



पश्चिम रेलवे
Western Railway

Name of Work: - AMC of Overhauling/Schedule maintenance and attending break down work of different types of Diesel Engine model BF12 L 513C, BF06M-1015CP and TCD2015-V08 fitted in various Track machines during POH at CPOH/ADI for 02 years 2026-2027 and 2027-2028.

WESTERN RAILWAY

CWM (CPOH)ADI, Track Machine,

Western Railway Vatva, Ahmedabad - 382440

(E-Tender No. CWM-CPOH-ADI-2026-27-1B)

Single ONLINE E-TENDER

(PARTICIPATION THROUGH E-TENDER ONLY)

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**TENDER DOCUMENT
NOT TRANSFERABLE**

CHECK LIST

CHECK LIST OF ITEMS TO BE COMPLIED BY TENDERERS BEFORE SUBMITTING THEIR TENDERS		
Sr. No.	Description	Done or Not
1	The tender shall be accompanied with the following: -	
	1 Earnest Money Deposit	
	2 Attested copies of documents towards fulfilling of Eligibility Criteria by the tenderer as per Tender.	
	3 Copy of Partnership deed/ resolution or documents etc. as Applicable has been attached.	
	4 Power of Attorney as applicable has been attached.	
	5 Any other relevant documents as applicable have to be attached.	
2	Declaration regarding no relative being employed on Western Railway at Annexure- C has been filled.	
3	Address for correspondence	
4	All deviation/conditions to be quoted by tenderer should normally be in Performa at Annexure A, failing, which, these are liable to be not Considered.	
5	The tenderer are advised to read Clauses regarding changes in GCC before quoting their rates for this tender.	
6	Tenderer shall submit adequate documentary proof of having fulfilled the eligibility criteria. There will be no back reference to confirm credentials, except for the purpose of verifying the certificates submitted along with the tender.	
7.	This check is is only indicative and not exhaustive. The tenderer should read entire tender document carefully before submission of the tender.	

SECTION – 1

TENDER NOTICE

SECTION:-1
TENDER NOTICE

CWM (CPOH) ADI, Western Railway, Vatva, Ahmedabad - 382440, for and on behalf of the President of India, invites single Tender under single packet system through e-Tendering from the agencies fulfilling the eligibility criteria for following work-

Name of the work: AMC of Overhauling/Schedule maintenance and attending break down work of different types of Diesel Engine model BF12 L 513C, BF06M-1015CP and TCD2015-V08 fitted in various Track machines during POH at CPOH/ADI for 02 years 2026-2027 and 2027-2028.

Type of tender	: Single Tender (E-Tender)
Tender Notice No.	: As per NIT Header
Cost of tender documents	: Nil
Earnest Money Deposit	: As per NIT Header
Estimated cost of work	: As per NIT Header
Completion period	: As per NIT Header
e-Tender Closing Date & Time	: As per NIT Header.
e-Tender opening Date & Time	: As per NIT Header.
Validity of offer from date of opening	: As per NIT Header

Eligibility Criteria:

Technical Eligibility Criteria- Being Single Tender with authorized dealer of OEM (i.e., SOUTH CALCUTTA DIESELS PRIVATE LIMITED-KOLKATA authorized dealer of Deutz Engine), Technical Eligibility Criteria is not applicable.

Similar work means - Being Single Tender with authorized dealer of OEM, SIMILAR WORK is not applicable.

Definition of Similar Work: - N.A.

Financial Eligibility Criteria- Being Single Tender with authorized dealer of OEM (i.e., SOUTH CALCUTTA DIESELS PRIVATE LIMITED-KOLKATA authorized dealer of Deutz Engine), Financial Eligibility Criteria is not applicable.

SECTION – 2

Information and Instructions to Tenderer(s)

SECTION 2

Information and Instructions to Tenderer(s)

2.1 Information

In connection with the Invitation of Bids for AMC of Overhauling/Schedule maintenance and attending break down work of different types of Diesel Engine model BF12 L 513C, BF06M-1015CP and TCD2015-V08 fitted in various Track machines during POH at CPOH/ADI for 02 years 2026-2027 and 2027-2028. The CWM (CPOH) ADI, Western Railway, Vatva, Ahmedabad- 382440, acting on behalf of The President of India, issues this Tender Documents for the work as specified in the tender document.

- 2.1.1. Tenders other than in the form of E-tenders shall not be accepted against above Tenders. For this purpose, Tenderers are required to get themselves registered with IREPS website along with class III Digital signature certificates issued by CCA under IT Act-2000.
- 2.1.2. The tenderers downloading the documents from internet must keep themselves updated through the website from which the tender document is downloaded regarding corrigenda, if any, to the notice inviting tender or the tender document, which shall be uploaded in the same website. The offers received without such corrigenda published through website shall be liable to be rejected.
- 2.1.3. The Tenderer is advised to study the Tender Document carefully. The Tenderer shall also acquaint himself with the local conditions, nature of work and all other matters pertaining thereto.
- 2.1.4. The Tenderer must obtain for himself, on his own responsibility and at his own expense, all information which may be necessary for the purpose of making the Tender offer and entering into Contract.
- 2.1.5. The submission of the Tender shall be deemed to have been done after careful study and examination of the Tender Document with full understanding of the implications thereof. Any clarification required by a Tenderer shall be obtained from the Office of the Tender Inviting Authority on any working day during office hours.
- 2.1.6. Tender Inviting Authority's address for the purpose of the tender is given below:
Office of CWM (CPOH) ADI, Western Railway, Near Vinzol Railway Crossing, Vatva, Ahmedabad 382440.
- 2.1.7. A master copy of the document downloaded from the website mentioned above shall be kept in the office of the tender inviting authority. In case of any discrepancy between the tender document downloaded from the website and the master copy, the latter shall prevail and shall be binding on the tenderer. The offer received shall be deemed to have been submitted on the document as uploaded and appearing in the website mentioned above whose master copy is kept in the office of the tender inviting authority and the agreement shall also be prepared on the basis of master document kept in the office of tender inviting authority.
- 2.1.8. Any willful changes/deletion/addition in printing carried out in the tender documents shall be viewed very seriously, whether detected at the time of opening/award of tender or after award of work and the same may result in penal action including banning of further business with the defaulting tenderers. In addition, the tenderers are liable to be prosecuted for the same as per law.
- 2.1.9. Before participating in tender, the tendered(s) shall inspect the proposed site of work and acquaint himself with the site conditions, working hours, layout of land, trees and shrubs that he will have to cut, stacking space for materials, approach roads, /pathways available etc., and all relevant items connected with the execution of the work. No claim shall be entertained for the contractor making his own arrangement for the approaches/approach road from outside Railway land and contractor will bear the entire expenses such as road taxes payment for the right of way, etc. to outsiders and for construction of approaches/approach roads etc.
- 2.1.10. Tender must be submitted strictly according to the conditions/Instructions to the Tenderers.
- 2.1.11. Noncompliance with any of the conditions set forth herein above is liable to result in the tender being rejected.
- 2.1.12. Tender Forms shall embody the contents of the contract documents either directly or by reference.
- 2.1.13. The Tender Document includes all sections indicated below, and should be read in conjunction with any Addenda/ Corrigendum/s issued. Latest GCC complete which includes part I and part II with upto date correction slip upto the date of opening of the tender is also part of this tender document and is applicable on entire tender document. The tender document consists of Section as under:
 - a) SECTION -1: TENDER NOTICE
 - b) SECTION -2: INFORMATION AND INSTRUCTIONS TO TENDERER(S)
 - c) SECTION -3: GENERAL CONDITIONS OF TENDER
 - d) SECTION -4: SPECIAL CONDITIONS OF TENDER
 - e) SECTION -5: SCHEDULE OF WORK
 - f) SECTION -6: SCHEDULE OF QUANTITIES

- 2.1.15. General Conditions of Tender are the latest General Conditions of Contract (GCC) along with all the corrigenda and Annexures up to the date of opening of the tender/Additional Annexures issued by Railway Board and also available on Indian Railways website i.e. www.indianrailways.gov.in. In section 3, certain Paras of General conditions of the Contract (GCC) are reiterated. In case of any Contradiction is noticed between the Paras of the General Conditions of Tender provided in section 3 of the tender document and the latest General Conditions of Contract (GCC) issued by Railway Board as mentioned above, the latest General Conditions of Contract (GCC) up to the date of opening of the tender issued by Railway Board with up-to-date correction slips up to the date of opening of the tender shall be considered for the tender. In addition to above, few additional Annexure i.e., Annexure-A to K is also part of section 3 of the tender document. For any contradictions in provisions above, the decision of CPOH ADI will be final and binding on the agency.
- 2.1.16. Similarly, if there is any contradiction between the provisions of Section 3 GENERAL CONDITIONS OF TENDER and Section 4 SPECIAL CONDITIONS OF TENDER of the tender document, the provisions of the Section 4 SPECIAL CONDITIONS OF TENDER of the tender document will prevail over Section 3 GENERAL CONDITIONS OF TENDER. The decision of CPOH ADI will be final and binding on the agency.
- 2.1.17. Similarly, if there is any contradiction between the provisions of Section 2 Information and Instructions to Tenderer(s) and Section 3 GENERAL CONDITIONS OF TENDER or/and Section 4 SPECIAL CONDITIONS OF TENDER of the tender document, the provisions of the Section 3 GENERAL CONDITIONS OF TENDER or/and Section 4 SPECIAL CONDITIONS OF TENDER of the tender document will prevail over Section 2 INFORMATION AND INSTRUCTIONS TO TENDERER(S) as the case may be. The decision of CPOH ADI will be final and binding on the agency
- 2.1.18. Where there is any conflict in the description, Unit, rate etc. of items based on schedule of rates, as included in the "Schedule of items, Quantities and rate "incorporated in the tender/Contract document on the one hand and the Standard Schedule of Rates on the other hand, Standard schedule of rates should prevail.
- 2.1.19. Tenderer requiring any clarification of the Tender Document shall contact the CE/CPOH/ADI Vatva, Ahmedabad 382440, Western Railway in writing at the address Office of Chief Engineer - CPOH, Track Machine, Western Railway Vatva, Ahmedabad - 382440 or by email at cecpohadi@gmail.com The Railway may respond in writing, if found necessary, to any request for clarification, provided that such request is received no later than 15 days prior to the deadline for submission of tender.

2.2 Eligible Tenderers: As per Eligibility Criteria of this tender.

- 2.2.1. The Tenderer(s) should satisfy the Eligibility Criteria as laid down in the Section-I i.e. Tender Notice of the tender document and in support of eligibility criteria, the Tenderer(s) should have to submit documents as stipulated in the Clause 10, 11 & 12 of the Section 3 General Condition of the Tender and other relevant clauses of the General Conditions of the Tender along with their tenders.

2.3 Following documents in support of Credentials:

- a) List of personnel, organization available on hand and proposed to be engaged for the subject work.
- b) List of plant and machinery available on hand (own) and proposed to be inducted (own and hired to be given separately) for the subject work.
- c) List of works completed required as per eligibility criteria giving description of work, Organizations for whom executed, approximate value of contract, the time of award, date of award and date of scheduled completion of work. Date of actual start, actual completion and final value of contract should also be given.
- d) List of works on hand indicating description of work, contract value, and approximate value of balance yet to be done and date of award.

NOTE: -

1. In case of item (c) and (d) above, supportive documents/certificates from the organizations with whom they have worked/ are working should be enclosed.
 2. The financial turnover with private firm/employer is not banned. (CE (Works) CCG's letter no. W/118/0 Vol VII (W6) dated 19.02.2016.
- e) Declaration in Performa given about relatives employed in Western Railway.

2.4 Firm details, SIGNATURE OF TENDERS& DOCUMENTARY PROOF

- 2.4.1. The Tender must contain the full name, designation, and complete address of place of business of the person(s) signing the Tender. Tender(s) shall furnish "BRIEF DETAILS OF THE TENDERER(S)" (Annexure-E).

- 2.4.2. The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust/HUF etc.
- 2.4.3. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be.
- 2.4.4. For documents shall be submitted by the tenderer and other details regarding above, the tenderer(s) should read carefully Section 3 General Conditions of the tender Clause 14, 15, 16, 17 and 18 and different clauses of the tender document.

2.5 CARE IN SUBMISSION OF TENDERS

- 2.5.1. (i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.
- (ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017 (CGST)/ Integrated Goods and Services Tax Act, 2017 (IGST) / Union Territory Goods and Services Tax Act, 2017 (UTGST) / respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
- (iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the Contractor. The Contractor shall be responsible for deposition of applicable GST to the concerned authority.
- (iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.
- 2.5.2. When work is tendered for by a firm or company, the tender shall be signed by the individual legally authorized to enter into commitments on their behalf. The tenderer must reference clauses of the General Conditions of the contract for this.
- 2.5.3. Requisite Power of Attorney or such other documents empowering the individual or individuals to sign should be furnished along with the Tender. If the tenderer has earlier got it vetted through LO-WR then vetted copy shall be submitted.
- 2.5.4. The Railway will not be bound by any power of attorney granted by the tenderer or by changes in the composition of the firm made subsequent to the execution of the contract. It may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.
- 2.5.5. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. (As per Clause No.10.2 of Part I, GCC).
- 2.5.6. Please read the Clause 6 of Section 3 General Conditions of Tender carefully for Care in submission of the Tender and other para of the tender document.

2.6 Submission of Tender

- 2.6.1 The Tender shall be submitted e Tender online on the e-procurement website www.ireps.gov.in on or before the due date and time fixed for the receipt of e-bids as set forth in the tender document. Detailed guidelines for Tender submission are given online on the website.
- 2.6.2 Tenderer should quote his rates as per in Section-6, Schedule of Rates.

2.7 Deadline for Submission of Tender

- 2.7.1 Tender must be uploaded online no later than the date and time specified in tender notice/tender document.

2.8 Offer Validity Period:

- 2.8.1.** The Tender shall remain valid for a period of 60 days after the tender submission deadline date prescribed in the Tender Document. A tender valid for a shorter period shall be rejected considering as non responsive.
- 2.8.2.** In exceptional circumstances, the tenderer may requested to extend the period of validity of their Offer. The request and the responses shall be made in writing. A tenderer granting the request shall not be required or permitted to modify its bid.

2.9 Corrigendum:

- 2.9.1** The Railway reserves the right to issue any corrigendum to the tender up to 15 Days (fifteen days) prior to the due date of closing of the tender. Tenderers are also advised to check the website accordingly for the purpose of submitting their e-bids or revising their e-bids, if submitted earlier to the issue of corrigendum if any.

2.10 Earnest Money Deposit (EMD)

- 2.10.1.** The tender must be accompanied by a sum specified in Section I of the tender document as Earnest Money(EMD).
- 2.10.2.** The Earnest Money shall be deposited in cash through e-payment gateway as provided in the IREPS website.
- 2.10.3.** The Tenders without valid Tender fee/EMD will be summarily rejected.
- 2.10.4.** Earnest Money shall be forfeited in case of revocation of Tender or increase in rates or change (s) in any terms & conditions after opening of the tender and before the expiry of validity of the Tender.
- 2.10.5.** The EMD of all unsuccessful Tenderer(s) except that of the successful Tenderer(s) will be discharged/ returned after the award of the contract. The EMD of successful Tenderer(s) will be adjusted against the security deposit amount. No interest will be paid by Railway on the above EMD amount.
- 2.10.6.** The details regarding Earnest Money is further given in Clause 5 of the General Conditions of the Tender. Please read the clauses of the tender document carefully.

2.11 Security Deposit:

- 2.11.1.** For successful tenderer, the Earnest Money deposited by the tenderer with his tender will be retained by the Railways as part of security for the due and faithful fulfillment of the contract by the Contractor. The Security Deposit shall be 5% of the contract value. Security Deposit may be deposited by the Contractor before release of first on account bill in cash or Term Deposit Receipt issued from Scheduled Bank, or may be recovered at the rate of 6% of the bill amount till the full Security Deposit is recovered.
- 2.11.2.** No interest shall be payable upon the Earnest Money and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub-Clause 16.(4)(b) of the clause of the Section 3 General Conditions of the Tender Part-II will be payable with interest accrued thereon.
- 2.11.3.** Security Deposit Clause is explained in the clause no 16 of the Section 3 General Conditions of the Contract Part-II. Please read the clause and other relevant clauses in General Conditions of the Contract carefully.

2.12 Performance Guarantee

- 2.12.1.** The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty one) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 12% per annum shall be charged for the delay beyond 21(Twenty one) days, i.e. from 22nd day after the date of issue of LOA. Further, if the 60th day happens to be a declared holiday in the concerned office of the Railway, submission of PG can be accepted on the next working day.
- 2.12.2.** The successful bidder shall submit the Performance Guarantee (PG) in any of the following forms explained in Clause16 of the Section 3 General Conditions of the Contract Part-II , amounting to 5% of the contract value.
- 2.12.3.** The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily.
- 2.12.4.** In all other cases, if the Contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminated. In case contract is terminated railway shall be entitled to forfeit

Earnest Money Deposit and other dues payable against that contract. In case a tenderer has not submitted Earnest Money Deposit on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect. The failed Contractor shall be debarred from participating in re-tender for that work.

- 2.12.5.** If the successful tenderer fails to submit the Performance Guarantee after issuance of Letter of Acceptance (which constitute as a part of agreement) and execute the work, then the contract shall be rescinded and the full amount of Security Deposit and Performance Guarantee shall be recovered from his dues with the Railways. In case of non availability of any dues, the legal action to recover the amount of SD & PG will be taken against him and Money Suit will be filed in appropriate court/ authority. (CE/W) CCG's letter No. W.118/0/(W6) dated 18.11.2008)
- 2.12.6.** For further details regarding Performance Guarantee (PG), Please read the Clause 16.4 of the General Conditions of the Contract Part I and other clauses of the General Conditions of the Contract clauses carefully.

2.13 Price Variation clause

- 2.13.1.** Price Variation Clause shall be applicable only for Contracts of value (Contract Agreement value) Rs. 2 crores and more.
- 2.13.2.** For Price variation clause, the the percentages of labour component, material component, fuel component etc. components defined in column titled "Others Work" of table provided in Clause 46A.6 of Section 3 of the tender document and GCC shall be taken for payment of PVC under this contract.
- 2.13.3.** For the calculation of Price variation the rates for labour component shall be taken from Central Govt Minimum wages of labour for Skilled category, RBI index for 'FUEL AND LUBRICANT' shall be used for 'Fuel & Lubricants Component' of PVC, RBI index for 'MANUFACTURE OF ELECTRICAL EQUIPMENT' shall be used for 'Other Material Components' of PVC and RBI index for 'MANUFACTURE OF MACHINERY AND EQUIPMENT' shall be used for 'Plant Machinery & Spares' of PVC. The decision of CPOH ADI will be final and binding on the contractor.
- 2.13.4.** For further and other details on Price variation clause, please read Clause 46A, of the Section 3 General Condition of the Contract Part-II and other clauses of the Section 3 General Condition of the Contract carefully.

2.14 Deviations:

- 2.14.1.** Tenderer should submit their offer strictly in accordance with the terms and conditions of tender document. Tenderer should not quote any deviation from the tender document and should not quote any conditions.
- 2.14.2.** Nevertheless, as an exception, if any unavoidable deviation or conditions are quoted by the tenderers, financial impact of each of such conditions/deviations on their quoted unit rates, in terms of Rupee per unit rate, shall be clearly mentioned by the tenderer in the tender offer.
- 2.14.3.** If any of deviation/condition has no financial impact on the quoted rates, in such cases also, the tenderer must clearly mention its financial impact as 'Nil'. This is required for proper financial evaluation of such conditional/deviated offers.
- 2.14.4.** Conditional offer/offers with deviations, without quantified financial impact of each of condition/deviation on the quoted rates, shall be considered as "incomplete" and shall be summarily rejected. (CE(Works)-CCG letter No. W118/0/3 S.I(W-6) dated 27.06.2016).
- 2.14.5.** Deviations from the stipulations made in the Tender document will not normally be agreed to. Should the Tenderer for good and sufficient reasons be unable to comply entirely with the stipulations, he shall indicate the deviations desired by him in his bid document in the manner as prescribed in the tender document. Such deviations, if any shall be kept down to the minimum and reasons for deviation shall be indicated. TENDERER TO PLEASE NOTE THAT, DEVIATION, SHOULD BE INDICATED IN PERFORMA -A. NO CONDITION OF ANY KIND SHALL BE PUT IN. Any deviations/alterations made elsewhere in the tender documents shall not be considered.
- 2.14.6.** The Railway, however, reserves the right to: -
- REJECT THE TENDER IF ANY DEVIATION IS NOT ACCEPTABLE TO THEM AND THE TENDERER IS UNWILLING TO MODIFY SUCH DEVIATIONS IN THE MANNER ACCEPTABLE TO THE RAILWAY.
 - CONSIDER SUCH OF THE DEVIATIONS AS ARE ACCEPTABLE TO THE RAILWAY.

2.15 JOINT VENTURE

- 2.15.1.** Participation of Joint Venture Firms shall be applicable for Tenders of Value More than Rs. 10.00 Crore (Rupees Ten Crore) Each. As per Railway Board's letter No: 2002/CE-I/CT/37JV. Pt-VIII dated 14.12.2012; Joint venture Firm should not participate in the Tender value is less than Rs. 10 crore.
- 2.15.2.** All the members of the joint venture shall certify that they are not black listed or debarred by Railway or any other Ministry/ Department of the Government of India/State Government from participation in tenders/ contract on the date of opening of bids either in their individual capacity or the JV firm or partnership firm in which they were/are members/partners.
- 2.15.3.** For further details, please refer and read clause 17 of Section 3 General Conditions of the Tender and other clauses of Section 3 General Conditions of the Contract carefully.

2.16 Online Opening of TENDERS:

- 2.16.1. No Contractor shall be required to be present in the Railways office for any E-Tender opening process. They can obtain totally transparent bid tabulation statement by logging on to the IREPS.
- 2.16.2. The Railway does not guarantee opening of tenders at the specified date and time. Thus, the actual time and date of opening may, at the sole discretion of the Railway, be rescheduled to any future time and date without assigning any reasons thereof. Since this is an online bidding where the website does not permit submission of offers after the stipulated date and time of closing, it is ensured that no offers are submitted after the scheduled tender closing time and date. Thus, there is no scope for late / delayed tenders.

2.17 Evaluation of tenderer:

- 2.17.1. In evaluating the offers of each Tenderer, the Railway shall use the Eligibility criteria specified in the tender document. No other evaluation criteria or methodologies shall be permitted.
- 2.17.2. For evaluation of Tender's offer, it may be necessary to seek certain clarifications. Railway shall seek such clarification in writing or through FAX/E-mail
- 2.17.3. If it is found at any stage of the finalization of the tender or during actual execution of the work that the information furnished in this tender, including clarifications, is incorrect, the tenders are likely to be rejected.
- 2.17.4. There will be no post tender correspondence. Tender will be decided based on document submitted by tenderer along with the tender. Tenderer shall submit adequate documentary proof of having fulfilled the eligibility criteria. There will be no back reference to confirm credentials, except for the purpose of verifying the certificates submitted along with the tender.
- 2.17.5. If the tenderer do not submit any proof of meeting with eligibility criteria as laid down in the NIT and tender conditions, offer shall be treated as incomplete and shall be summarily rejected. (PCE CCG's letter no. W/118/0 (Policy)(L)(W6) dated 28.11.14 & 29.06.2016)
- 2.17.6. The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the railway there under.
- 2.17.7. In case of any wrong information submitted by tenderer, the contract shall be terminated, Earnest Money Deposit (EMD), Performance Guarantee (PG) and Security Deposit (SD) of contract forfeited and agency barred for doing business an entire Indian Railways for 5 (five) years.
- 2.17.8. Multiple L-1. In case of more than one L-1 bidders, tender may be awarded to tenderer having higher Bid Capacity. In case Bid Capacity is also the same, tenderer having done more value of similar work in last three previous financial years and the current financial year upto the date of opening of the tender, may be selected for the award. (Railway Board's letter no. 2017/Trans/01 /Policy dated: 08.02.2018)

2.18 Consideration of Tenders

- 2.18.1.** Right of Railway to Deal with Tenders: The Railway reserves the right of not to invite tenders for any of Railway work or works or to invite open or limited tenders and when tenders are called to accept a tender in whole or in part or reject any tender or all tenders without assigning reasons for any such action.

2.18.2. Please refer and read clause 7 of Section 3 General Conditions of the tender and other clauses of Section 3 General Conditions of the Contract carefully.

2.19 Execution of Contract Document

- 2.19.1.** The Tenderer whose tender is accepted shall be required to appear in person at the office of General Manager/General Manager (Construction), Chief Administrative Officer (Construction), Divisional Railway Manager/CWM CPOH/ ADI or concerned Engineer, as the case may be, or if tenderer is a firm or corporation, a duly authorized representative shall appear and execute the contract agreement within seven days of notice from Railways that the Contract Agreement is ready. The Contract Agreement shall be entered into by Railway only after submission of valid Performance Guarantee by the Contractor. Failure to do so shall constitute a breach of the agreement affected by the acceptance of the tender. In such cases the Railway may determine that such tenderer has abandoned the contract and there upon his tender and acceptance thereof shall be treated as cancelled and the Railway shall be entitled to forfeit the full amount of the Earnest Money and other dues payable to the Contractor under this contract. The failed Contractor shall be debarred from participating in the re-tender for that work.
- 2.19.2.** For contracts for specific works, the contract document required to be executed by the tenderer whose tender is accepted shall be an agreement as per specimen form Annexure-IV General Conditions of the Contract of the tender document.
- 2.19.3.** Please refer and read clause 8 of Section 3 General Conditions of the tender and other clauses of Section 3 General Conditions of the Contract carefully.

2.20 Vitiating:

- 2.20.1** The aspect of vitiating of tender with respect to variation in quantities should be checked and avoided. In case of vitiating of the tender (both for increase as well as decrease of value of contract agreement), sanction of the competent authority as per Railway Board's letter no. 2017/Trans/01 /Policy dated: 08.02.2018 should be obtained.

2.21 JURISDICTION OF COURTS:

- 2.21.1.** If any dispute arises between the parties with respect to this contract, any application or suit shall be instituted only in the court within the local limits of whose jurisdiction, the concerned Engineer Office is situated and both the parties shall be bound by this clause.
- 2.21.2.** All expenses in drawing up the agreement and the cost of stamp duty if any shall be borne by the Railway.

2.22 TENDER DOCUMENTS ARE NOT TRANSFERABLE.

2.23 Confidentiality

- 2.23.1.** Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the Tenderer(s) who submitted the proposals or to other persons not officially concerned with the process.

2.24 TAXES, ROYALTIES AND PATENT RIGHTS

- 2.24.1.** All taxes, royalty charges, etc. of whatever nature in connection with the work shall have to be borne by the Contractor. The Contractor will be required to obtain a royalty clearance certificate from the concerned Revenue Authorities/Collector and produce the same to the Engineer after completion of the supply but before release of the final bill.
- 2.24.2.** The Contractor shall defray the cost of all royalties, fees and other payments in respect of patents, patent rights and licenses which may be payable to patentee, licensee or other person or corporation and shall obtain all necessary licenses.
- 2.24.3.** The contractor shall indemnify, the Railway or any agent, servant or employee of the Railway against any action, claim or proceedings relating to infringement use of any patent or design any alleged patent or design rights and shall pay any royalties or other charges which may be payable in respect of any articles or materials or part

thereof included in the contract. In the event of any claim being made or action being brought against the Railway or any agent, servant or employee of the Railway in respect of any such matters, as aforesaid, The contractor shall indemnify notified thereof. Provided that such indemnify shall not apply when such infringement has taken place in complying with the specific direction issued by the Railway but the contractor shall pay any royalties or other charges payable in respect of any such use.

2.25 TECHNICAL PERSONNEL

- 2.25.1.** Technical supervisors of proven experience in execution shall be engaged by the tenderer on the work as per Section 4 of the tender document.
- 2.25.2.** The contractor may either supervise the execution of the works himself, if he is qualified Engineer as per tender conditions, or shall appoint a qualified and experienced Engineer/Technical Supervisor as per tender conditions to be approved by the Railway to act as his agent, who will also act as main Supervisor as mentioned in Section 4 of the tender document. If the contractor fails to appoint a suitable agent as directed by the Railway Engineer, the latter shall have full power to suspend the execution of works, until such date a suitable agent is appointed and the contractor shall be held responsible for the delay so caused to this works. The Railway reserves the right to stop the work in case the technical supervisor of tenderer is not available. (Railway Board's letter No. 2012/CE-I/CT/0/20 dtd. 10.05.2013). The other supervisors to be provided shall be dealt as per relevant clauses of section 4 of the tender document.

2.26 DEDUCTION FOR TAXES

- 2.26.1.** In respect of works, the contract value of which is more than Rs. 5000/- each, a deduction of 2% on the gross payment from each of the contractor's bills shall be made in terms of Section 194 (c) of the Income Tax Act of 1961. Surcharge on Income Tax if applicable will also be deducted as per the prevailing rates.
- 2.26.2.** All taxes as prescribed by Central or State Government from time to time shall be applicable. The contractor shall be fully responsible for payments of all such taxes without any liability of Railway administration. Deductions towards such taxes shall be made from the payments of the contractor in accordance with rules in force from time to time.
- 2.26.3.** In terms of Railway Board's letter no. 2016/AC-II/1/6 dated 12.05.2017 9RBA No. 55/2017) GST shall be implemented as per GST Act and Rules as applicable from time to time.
- 2.26.4.** Road Tax/Charges: Road Tax/Charges levied by Government for movement of vehicles of contractor, used in transportation, shall be borne by the contractor and no re-imbursement on this account will be made by the Railways.

2.27 SAFE METHODS

- 2.27.1.** The Contractor shall at all times, adopt such safe methods of working as will ensure safety of structures, equipment and labour. Safety rules that should be adhered to are given as guidelines in Annexure C and Section -4. If at any time, the Railway finds the safety arrangements inadequate or method of working unsafe, the Contractor shall take immediate corrective actions as directed by the Engineer's representative. Any directions in the matter shall in no way absolve the Contractor of his sole responsibility to adopt safe working methods. The Contractor is responsible for providing skilled personnel and adequate expert supervision so as to ensure complete safety.
- 2.27.2.** It is the responsibility of the Contractor to ensure safe working, loading, transportation and unloading of materials and equipment etc. Any loss or damage caused to adjacent Railway property will have to be made good by the contractor at his/their own cost, failing which recoveries shall be effected from the running bill of the contractor as per the General Conditions of Contract.
- 2.27.3.** The liability arising out of accidents, if any, to persons will be met by the contractors and the Railway will not be responsible for any damage or compensation thereof. The contractor shall follow the provisions laid down in Contract Labour Act, 1972.
- 2.27.4.** The contractor shall be entirely responsible for ensuring safety of his labour, vehicles, plant or equipment while working along or near the track and highways and shall programme his working so as not to interfere with the movement of trains and road traffic. No extra payment shall be allowed to the contractor for all safety

precautions to be observed during the execution of the work. The cost of all such precautions shall be deemed to be included in the rates for all items of the schedule.

2.28 Other Instructions

- 2.28.1. **INFLAMMABLE ARTICLES:** Inflammable materials, such as diesel, petrol, oil etc. shall be stored separately from the other materials and all precautions as required under the Indian Explosive Act. or any other Act shall be taken by the contractor(s) to prevent fires etc.
- 2.28.2. **CHANGE IN ADDRESS:** Any change in the address of the contractor shall be forthwith intimated in writing to the Railway. The Railway will not be responsible for any loss/ inconvenience suffered by the Contractor on account of his failure to comply with this.
- 2.28.3. **HANDING OVER WORK SITE:** The site of work shall be handed over to the contractor free of obstruction according to progress of work. Contractor however, shall not have any claim whatsoever against the Railway for any delay in the execution of the work, on this account except for extension of the completion period under the General Conditions of Contract.
- 2.28.4. **NOTICE TO PUBLIC BODIES:** The Contractor(s) shall give to the municipality, police and other authorities all notices that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures and pay all fees, taxes and charge which may be leviable on account of his/their operations in executing the Contract. He/they should make good any damage to adjoining premises whether public or private and supply and maintain any lights, etc. required at night.
- 2.28.5. **Procurement of Machinery by Contractor:** It is entirely contractor's responsibility and liability to find and procure all the machinery, tools and plants and their spare parts that are required in connection with execution of work unless and otherwise explicitly mentioned for in the tender document. Delay in procurement of such items due to their non-availability or import difficulties or any other cause, whatsoever shall not be taken as an excuse for slow progress or non-performance of the work.
- 2.28.6. **Foreign exchange requirements:** Any demand of foreign exchange for importing of equipments and materials shall not be accepted.
- 2.28.7. **Emergency Works:** In the event of any accident or failure occurring in the execution of work/ arising out of it which in the opinion of the Engineer requires immediate attention, the Railway may bring its own workmen or other agency/agencies to execute or partly execute the necessary work or carry out repairs if the Engineer-in-charge considers that the contractor(s) is/are not in a position to do so in time without giving any notice and charge the cost thereof, to be determined by the Engineer-in-charge, to the contractor.
- 2.28.8. **Non-Itemized Works:** Where items not covered by the schedules are to be executed the rates for such non-itemized works shall be negotiated before the commencement of such work or got executed through any other agency at the discretion of the Railway Administration.
- 2.28.9. **Lead and Lift on Railway/Contractor's Materials:** No lead and lift for the contractor's material is payable for the works executed under this contract.
- 2.28.10. **Accepted Rates:** The rates quoted by tenderer and accepted by the Railway Administration shall hold good till the completion of the work and no additional, individual claim shall be admissible on account of fluctuation in market rates, increase in taxes any other levies/tolls etc unless where explicitly provided for.
- 2.28.11. **Observance of Bonded Labour System (Abolition Ordinance Act, 1975):** The "Bonded Labour System (Abolition Ordinance, 1975)" would apply to the present contract. The contractors shall duly observe the provisions thereof.
- 2.28.12. **PRODUCTION OF TEST CERTIFICATES:** The contractor shall have to produce Test Certificates for items of material procured by him for use in the work as may be called for by the Engineer or his representative to establish that the materials conform to the specification for the works.

2.29 Check List

- 2.29.1. The Tenderer(s) are requested to duly fill in the CHECKLIST. The checklist is only a reminder of certain important items, to facilitate the Tenderer(s). This, however, does not relieve the Tenderer(s) of its responsibility to make sure that his proposal is otherwise complete in all respects.

SECTION – 3

GENERAL CONDITIONS OF TENDER

SECTION 3

GENERAL CONDITIONS OF TENDER

GENERAL CONDITIONS OF CONTRACT latest with upto date correction slip will form an integral part of the Tender /Contract along with the tender documents General Conditions of Contract is same as latest General Conditions of Contract (GCC) provided on the Indian Railway Website or Western Railway Website. Certain paras of the General Conditions of Contract (GCC) is reiterated herein. In case of any contradiction between the Paras of the General Conditions of Tender/Contract given herein and that provided on the Railway Website, the General Condition of Contract GCC provided on the Railway Website with latest correction slip before the date of opening of tender will suffice and prevail. In this case, the General condition of Contract GCC APRIL2022 is referred to.

In case of any contradiction between General conditions of contract and any other special condition & specifications of contract of this tender document, the special condition & specifications of contract of this tender document shall prevail. It is understood that that the tenderer(s) have thoroughly read, understood and accepted the conditions/special conditions & specifications of contract as well as other conditions of tender etc.

INDIAN RAILWAYS STANDARD GENERAL CONDITIONS OF CONTRACT GCC APRIL-2022

PART I

REGULATIONS FOR TENDERS AND CONTRACTS FOR THE GUIDANCE OF ENGINEERS & CONTRACTORS FOR WORKS CONTRACTS

MEANING OF TERMS

1.0 Applicability: These instructions and conditions of contract shall be applicable for all the tenders and contracts of railways for execution of 'Works' as defined in GFR 2017.

1.01 Order of Precedence of Documents: In a contract agreement, in case of any difference, contradiction, discrepancy, with regard to conditions of tender/contract, specifications, drawings, bill of quantities etc., forming part of the tender/contract, the following shall be the order of precedence:

- a. Letter of Award
- b. Bill(s) of Quantities
- c. Special Conditions of Contract
- d. Technical Specifications as given in tender documents
- e. Drawings
- f. Indian Railways Standard General Conditions of Contract updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.

- g. CPWD Specifications 2019 Vol I & II updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- h. Indian Railways Unified Standard Specification (IRUSS-2019) updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- i. Indian Railways Unified Standard Specifications (Works and Material) 2010 updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- j. IR Specifications/Guidelines updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.
- k. Relevant B.I.S. Codes updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.

1.1 Interpretation: These Instructions to Tenderers shall be read in conjunction with the Standard General Conditions of Contract which are referred to herein and shall be subject to modifications additions or suppression by Special Conditions of Contract and/or Special Specifications, if any, annexed to the Tender Forms.

1.2 Definition: In these Instructions to Tenderers, the following terms shall have the meanings assigned hereunder except where the context otherwise requires:

- (a) "Railway" shall mean the President of the Republic of India or the administrative officers of the Railway or Successor Railway authorized to deal with any matter, which these presents are concerned on his behalf.
- (b) "General Manager" shall mean the Officer-in-Charge of the general superintendence and control of the Zonal Railway/Production Unit and shall also include Addl. General Manager, General Manager (Construction) and shall mean and include their successors of the Successor Railway.
- (c) "Chief Engineer" shall mean the Officer-in-Charge of the Engineering Department of Railway and shall also include Chief Engineer (Construction), Chief Electrical Engineer, Chief Electrical Engineer (Construction), Chief Signal & Telecom Engineer, Chief Signal & Telecom Engineer (Construction), Chief Mechanical Engineer and shall mean and include their successors of the Successor Railway.
- (d) "Divisional Railway Manager" shall mean the Officer-in-Charge of a Division of Zonal Railway and shall mean and include Divisional Railway Manager of the Successor Railway.
- (e) "Engineer" shall mean the Divisional Engineer or Executive Engineer, Divisional Signal & Telecom Engineer, Divisional Electrical Engineer, Divisional Mechanical Engineer in executive charge of the works and shall include the superior officers, both Open Line and Construction Organisations, of Engineering, Signal & Telecom, Mechanical and Electrical Departments, i.e. the Senior Divisional Engineer/Deputy Chief Engineer, Senior Divisional Signal & Telecom Engineer / Dy. Chief Signal & Telecom Engineer, Senior Divisional Electrical Engineer / Deputy Chief Electrical Engineer, Senior Divisional Mechanical Engineer and shall mean & include the Engineers of the Successor Railway.
- (f) "Tenderer" shall mean the person / firm / co-operative or company whether incorporated or not who tenders for the works with a view to execute the works on contract with the Railway and shall include their representatives, successors and permitted assigns.

- (g) “Limited Tenders” shall mean tenders invited from all or some contractors on the approved or select list of contractors with the Railway.
- (h) “Open Tenders” shall mean the tenders invited in open and public manner and with adequate notice. “Works” shall mean the works contemplated in the drawings and Bill(s) of Quantities set forth in the tender forms and required to be executed according to the specifications.
- (j) “Specifications” shall mean the Specifications for Materials and Works of the Railway as specified under the authority of the Ministry of Railways or Chief Engineer or as amplified, added to or superseded by special specifications if any, appended to the Tender Forms.
- (k) Standard Bill(s) of Quantities (SSOR) shall mean the Bill(s) of Quantities adopted by the Railway, which includes-
1. “Unified Standard Bill(s) of Quantities of the Railway (USSOR)” i.e. the Standard Bill(s) of Quantities of the Railway issued under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents;
 2. “Delhi Bill(s) of Quantities (DSR)” i.e. the Standard Bill(s) of Quantities published by Director General/ Central Public Works Department, Government of India, New Delhi, as adopted and modified by the Railway under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.
- (l) “Drawings” shall mean the maps, drawings, plans and tracings, or prints thereof annexed to the Tender Forms.(m)
- (m) “Contractor’s authorized Engineer” shall mean a graduate engineer or equivalent, having more than 3 years’ experience in the relevant field of construction work involved in the contract, duly approved by the Engineer.
- (n) Date of inviting tender shall be the date of publishing tender notice on IREPS website if tender is published on website or the date of publication in newspaper in case tender is not published on website.
- (o) “Bill of Quantities” shall mean Schedule of Item(s) included in the tender document along with respective quantities.

1.3 Words importing the singular number shall also include the plural and vice versa where the context requires.

CREDENTIALS OF CONTRACTORS

2. Application for Registration:

- 2.1. Works of construction and of supply of material shall be entrusted for execution to contractors whose capabilities and financial status have been investigated and approved to the satisfaction of the Railway. A list of approved contractors shall be maintained in the Railway. The said list be revised periodically once in a year or so by giving wide publicity through advertisements etc. A contractor including a contractor who is already on the approved list shall apply to the concerned General Manager (Construction) / Chief Administrative Officer (Construction) / Principal Chief Engineer / Principal Chief Signal & Telecommunication Engineer / Principal

Chief Mechanical Engineer / Principal Chief Electrical Engineer/Divisional Railway Manager, furnishing particulars regarding:

- a. his position as an independent contractor specifying engineering organization available with details of partners / staff / engineers employed with qualifications and experience;
 - b. his capacity to undertake and carry out works satisfactorily as vouched for by a responsible official or firm; details about the transport equipment's, construction tools and plants etc. required for the work, maintained by him;
 - c. his previous experience of works similar to that to be contracted for, in proof of which original certificates or testimonials may be called for and their genuineness verified, if needs be, by reference to the signatories thereof;
 - d. his knowledge from actual personal investigation of the resources of the area/zone or zones in which he offers to work;
 - e. his ability to supervise the work personally or by competent and duly authorized agent;
 - f. his financial position;
- 2.2. An applicant shall clearly state the categories of works and the area/zone/division(s)/district(s) in which he desires registration in the list of approved contractors.
- 2.3. The selection of contractors for enlistment in the approved list would be done by a committee for different value of slabs as notified by Railway.
- 2.4. An annual fee as prescribed by the Railway from time to time would be charged from such approved contractors to cover the cost of sending notices to them and clerkage for tenders etc. Notices shall be sent to them on registered e-mail address and registered postal address.

TENDERS FOR WORKS

3. **Tender Form:** Tender Forms shall embody the contents of the contract documents either directly or by reference and shall be as per specimen form, Annexure-I. e-Tender Forms shall be issued free of cost to all tenderers.
4. **Omissions & Discrepancies:** Should a tenderer find discrepancies in or omissions from the drawings or any of the Tender Forms or should he be in doubt as to their meaning, he should at once notify the authority inviting tenders. The tender inviting authority may, if deemed necessary, clarify the same to all tenderers. It shall be understood that every endeavor has been made to avoid any error which can materially affect the basis of tender and successful tenderer shall take upon himself and provide for the risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof.

5. Bid Security:

- (1) (a) The tenderer shall be required to submit the Bid Security with the tender for the due performance with the stipulation to keep the offer open till such date as specified in the tender, under the conditions of tender. The Bid Security shall be as under:

Value of the work	Bid Security
For all works	2 % of the estimated cost of the work

Note:

- (i) The Bid Security shall be rounded off to the nearest ₹ 100. This Bid Security shall be applicable for all modes of tendering.
 - (ii) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security detailed above.
 - (iii) Labour Cooperative Societies shall submit only 50% of above Bid Security detailed above.
- b. It shall be understood that the tender documents have been issued to the tenderer and the tenderer is permitted to tender in consideration of stipulation on his part, that after submitting his tender he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to the Engineer. Should the tenderer fail to observe or comply with the said stipulation, the aforesaid amount shall be liable to be forfeited to the Railway.
- c. If his tender is accepted, this Bid Security mentioned in sub para (a) above will be retained as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation that may happen thereto while in their possession, nor be liable to pay interest thereon.
- (2) The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per **Annexure-VIA** and shall be valid for a period of 90 days beyond the bid validity period.
- (3) In case, submission of Bid Security in the form of Bank Guarantee, following shall be ensured:
- (i) A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (IREPS) while applying to the tender.
 - (ii) The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document before closing date for submission of bids. **(i.e. excluding the last date of submission of bids)**
 - (iii) Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid.
 - (iv) The Tender Security shall remain valid for a period of 90 days beyond the validity period for the Tender.
 - (v) The details of the BG, physically submitted should match with the details available in the scanned copy and the data entered during bid submission time, failing which the bid will be rejected
 - (vi) The Bank Guarantee shall be placed in an envelope, which shall be sealed. The envelope shall clearly bear the identification "Bid for the ***** Project" and shall clearly indicate the name and address of the Bidder. In addition, the Bid Due Date should be indicated on the right hand top corner of the envelope.

- (vii) The envelope shall be addressed to the officer and address as mentioned in the tender document.
- (viii) If the envelope is not sealed and marked as instructed above, the Authority assumes no responsibility for the misplacement or premature opening of the contents of the Bid submitted and consequent losses, if any, suffered by the Bidder.

6 Care in Submission of Tenders:

- (a)(i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.
- (a)(ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017(CGST)/ Integrated Goods and Services Tax Act, 2017(IGST)/ Union Territory Goods and Services Tax Act, 2017(UTGST)/ respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
- (a)(iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the Contractor. The Contractor shall be responsible for deposition of applicable GST to the concerned authority.
- (a)(iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/ SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.
- (b) When work is tendered for by a firm or company, the tender shall be signed by the individual legally authorized to enter into commitments on their behalf.
- (c) The Railway will not be bound by any power of attorney granted by the tenderer or by changes in the composition of the firm made subsequent to the execution of the contract. It may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.

6.1 The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. **In case of other than Company/Proprietary Firm, Annexure-V(A) shall also be submitted by the each member of a Partnership Firm/Joint Venture (JV)/Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be.** Non submission of above certificate(s) by the bidder shall result in **summarily** rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.

CONSIDERATION OF TENDERS

7 Right of Railway to Deal with Tenders: The Railway reserves the right of not to invite tenders for any of Railway work or works or to invite open or limited tenders and when tenders are called to accept a tender in whole or in part or reject any tender or all tenders without assigning reasons for any such action. In case if tender is accepted in part by Railway administration, Letter of Acceptance shall be issued as counter offer to the Tenderer, which shall be subject to acceptance by the Tenderer.

7A. Two Packets System of Tendering: With a view to assess the tenders technically without being Influenced by the financial bids, 'Two Packets System of tendering' shall be adopted wherein tender documents provide for the same.

7B. Pre Bid Conference: Intenders having advertised value more than Rs 50 Crore or as mentioned in the tender document, Railway shall conduct Pre Bid Conference(s) with the prospective bidders.

7C. Make in India Policy: Provisions of Make in India Policy 2017 issued by Govt. of India, as amended from time to time, shall be followed for consideration of tenders.

7D. Permission to Bid for a bidder from a country which shares Land boundary with India: Any bidder from the countries sharing a land border with India will be eligible to bid in any procurement of works (including turnkey projects) only if the bidder is registered with the Competent Authority. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), Government of India. For interpretation of this para, Department of Expenditure, Ministry of Finance, Government of India letter F.No.6/18/2019-PPD dated 23/07/2020 shall be referred.

7E Clarification of Bids: To assist in the examination, evaluation & comparison and pre-qualification of the Tender, the Railway may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Railway shall not be entertained or considered. The Railway request for clarification and the response of the bidder in this regard shall be in writing.

However, if a Bidder does not provide clarification of its bid by the date and time communicated in the Railway request for clarification, the bid shall be evaluated as per the documents submitted along with the bid.

8 Execution of Contract Document: The Tenderer whose tender is accepted shall be required to appear in person at the office of General Manager/General Manager (Construction), Chief Administrative Officer(Construction), Divisional Railway Manager or concerned Engineer, as the case may be, or if tenderer is a firm or corporation, a duly authorized representative shall appear (there would be no need for appear in person if agreement is signed digitally) and execute the contract agreement within seven days of notice from Railways that the Contract Agreement is ready. The Contract Agreement shall be entered into by Railway only after submission of valid Performance Guarantee by the Contractor. Failure to do so shall constitute a breach of the agreement affected by the acceptance of the tender. In such cases the Railway may determine that such tenderer has abandoned the contract and there upon his tender and acceptance thereof shall be treated as cancelled and the Railway shall be entitled to forfeit the full amount of the Earnest Money and

other dues payable to the Contractor under this contract. The failed Contractor shall be debarred from participating in the re-tender for that work.

9 Form of Contract Document: Every contract shall be complete in respect of the document it shall so constitute. Not less than 2 copies of the contract document shall be signed by the competent authority and the Contractor and one copy given to the Contractor (there would be no need of signing two copies if agreement is signed digitally).

- (a) For Zone Contracts, awarded on the basis of the percentage above or below the applicable chapter(s) of Standard Bill(s) of Quantities (SSOR) for the whole or part of financial year, the contract agreement required to be executed by the tenderer whose tender is accepted shall be as per specimen form, Annexure-II. During the currency of the Zone Contract, work orders as per specimen form Annexures-III, for works not exceeding ₹ 5, 00,000 each, shall be issued by the Divisional Railway Manager / Executive Engineer under the agreement for Zone Contract.
- (b) For contracts for specific works, the contract document required to be executed by the tenderer whose tender is accepted shall be an agreement as per specimen form Annexure-IV.

RAILWAY
TENDER FORM (First Sheet)

Tender No. _____

Name of Work _____

To

The President of India

Acting through the _____ Railway

1. I/We _____ have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of _____ days from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our "Bid Security". I/We offer to do the work for _____ Railway, at the rates quoted in the attached bill(s) of quantities and hereby bind myself/ourselves to complete the work in all respects within _____ months from the date of issue of letter of acceptance of the tender.
2. I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Standard Schedule of Rates (SSOR) with all correction slips up- to-date for the present contract.
3. A Bid Security of ₹ _____ has already been deposited online/ submitted as Bank Guarantee bond. Full value of the Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:
 - (a) I/We do not submit the Performance Guarantee within the time specified in the Tender document;
 - (b) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and
 - (c) I/We do not commence the work within fifteen days after receipt of orders to that effect.
- 4.(a) I/We am/are a Startup firm registered by Department of Industrial Policy and Promotion (DIPP) and my registration number is valid upto (Copy enclosed) and hence exempted from submission of Bid Security.
5. We are a Labour Cooperative Society and our Registration No. is with and hence required to deposit only 50% of Bid Security.
6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Signature of Tenderer(s)

Date_____ Address of the Tenderer(s)

TENDER FORM (Second Sheet)

1. Instructions to Tenderers and Conditions of Tender: The following documents form part of Tender /Contract:

- a) Tender Forms – First Sheet and Second Sheet
- b) Special Conditions/Specifications (enclosed)
- c) Bill(s) of quantities (enclosed)
- d) Standard General Conditions of Contract and Standard Specifications (Works and Materials) of Indian Railways as amended/corrected upto latest correction slips, copies of which can be seen in the office of _____ or obtained from the office of the Chief Engineer, Railway on payment of prescribed charges.
- e) Standard Bill(s) of Quantities (SSOR) as amended / corrected upto latest correction slips, copies of which can be seen in the office of _____ or obtained from the office of the Chief Engineer, _____ Railway on payment of prescribed charges.
- f) All general and detailed drawings pertaining to this work which will be issued by the Engineer or his representatives (from time to time) with all changes and modifications.

2. Drawings for the Work: The Drawing for the work can be seen in the office of the _____ and / or Chief Engineer, _____ Railway at any time during the office hours. The drawings are only for the guidance of Tenderer(s). Detailed working drawings (if required) based generally on the drawing mentioned above, will be given by the Engineer or his representative from time to time.

3. The Tenderer(s) shall quote his / their rates as a percentage above or below the Standard Bill(s) of Quantities (SSOR) of _____ Railway as applicable to _____ Division except where he/they are required to quote item rates and must tender for all the items shown in the Bill(s) of Quantities attached. The quantities shown in the attached Bill(s) of Quantities are given as a guide and are approximate only and are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Bill(s) of Quantities. The tenderer(s) shall quote rates / rebates only at specified place in Tender Form supplied by Railway. Any revision of rates / rebates submitted (quoted) through a separate letter whether enclosed with the bid (Tender Form) or submitted separately or mentioned elsewhere in the document other than specified place shall be summarily ignored and will not be considered.

4. Tenders containing erasures and / or alterations of tender documents are liable to be rejected. Any correction made by tender(s) in his/their entries must be attested by him / them.

5. The works are required to be completed within a period of _____ months from the date of issue of acceptance letter.

6. Bid Security:

(a) Subject to exemptions provided under para 5(1) (a) of Part-1 (ITT) of this document, the tender must be accompanied by a Bid Security as mentioned in tender documents, failing which the tender shall be summarily rejected.

(b) The Tenderer(s) shall keep the offer open for a minimum period of 60 days (in case of two packet system of tendering 90 days) from the date of closing of the Tender. It is understood that the tender documents have been issued to the Tenderer(s) and the Tenderer(s), is / are permitted to tender in consideration of the stipulation on his / their part that after submitting his / their tender subject to the period being extended further, if required by mutual agreement from time to time, he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to _____ Railway. Should the tenderer fail to

observe or comply with the foregoing stipulation, the amount deposited or Bank guarantee bond submitted as Bid Security for the due performance of the above stipulation, shall be forfeited to the Railway.

(c) If his tender is accepted,

- (I) the Bid Security mentioned in sub para(a) above deposited in cash through e-payment gateway will be retained as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract;
- (ii) the Bid Security mentioned in sub para(a) above submitted as Bank guarantee bond, will be encashed as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract.

The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation to the Bid Security that may happen thereto while in their possession, nor be liable to pay interest thereon.

(d) In case Contractor submits the Term Deposit Receipt/Bank Guarantee Bond towards either the Full Security Depositor the Part Security Deposit equal to or more than Bid Security, the Railway shall return the Bid Security so retained as per sub para(c) above, to the Contractor.

7. Rights of the Railway to deal with Tender: The authority for the acceptance of the tender will rest with the Railway. It shall not be obligatory on the said authority to accept the lowest tender or any other tender, and tenderer(s) shall neither demand any explanation for the cause of rejection of his/ their tender nor the Railway to assign reasons for declining to consider or reject any particular tender or tenders

8. If the tenderer(s) deliberately gives / give wrong information in his / their tender or creates / create circumstances for the acceptance of his / their tender, the Railway reserves the right to reject such tender at any stage.

9. If any partner(s) of a partnership firm expires after the submission of its tender or after the acceptance of its tender, the Railway shall deem such tender as cancelled/contract as terminated under clause 61 of the Standard General Conditions of Contract, unless the firm retains its character as per partnership agreement. If a sole proprietor expires after the submission of tender or after the acceptance of tender, the Railway shall deem such tender as cancelled / contract as terminated under clause 61 of the Standard General Conditions of Contract.

10. Eligibility Criteria:

10.1 Technical Eligibility Criteria: (SEE SECTION 1 FOR SIMILAR NATURE)

(a) The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

- (I) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or
- (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or
- (iii) One similar work each costing not less than the amount equal to 60% of advertised value of the tender.

(b)(1) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges – substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

- (i) Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or

- (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or
- (iii) One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender.

Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components.

- (b)(2) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity.
- (b)(3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing.

However, if required in tender documents by way of Special Conditions, a formal agreement duly notarized, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows:

The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract.

Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway.

In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract, with prior approval of Chief Engineer in writing.

Note for Item 10.1:

Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.

10.2. Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where

V= Advertised value of the tender in crores of Rupees

N= Number of years prescribed for completion of work for which bids have been invited.

The average annual contractual turnover shall be calculated as an average of “total contractual payments” in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.

The tenderers shall submit requisite information as per Annexure-VIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

- 10.3 Bid Capacity:** The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI.
- 10.4** No Technical and Financial credentials are required for tenders having advertised value up to Rs 50 lakh.
- 10.5** Credentials if submitted in foreign currency shall be converted into Indian currency i.e., Indian Rupee as under:

The conversion rate of US Dollars into Rupees shall be the daily representative exchange rates published by the Reserve Bank of India or entity authorized by RBI to do so for the relevant date or immediately previous date for which rates have been published. Where, relevant date shall be as on the last day of month previous to the one in which tender is invited. In case of any other currency, the same shall first be converted to US Dollars as on the last day of month previous to the one in which tender is invited, and the amount so derived in US Dollars shall be converted into Rupees at the aforesaid rate. The conversion rate of such currencies shall be the daily representative exchange rates published by the International Monetary Fund for the relevant date or immediately previous date for which rates have been published.

[Explanation for Para 10 of the Tender Form (Second Sheet) including Para 10.1 to 10.5 - Eligibility Criteria:

1. Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender.
2. In case a work is started prior to 07 (seven) years, ending last day of month previous to the one in which tender is invited, but completed in last 07 (seven) years, ending last day of month previous to the one in which tender is invited, the completed work shall be considered for fulfillment of credentials.
3. If a work is physically completed and completion certificate to this extent is issued by the concerned organization but final bill is pending, such work shall be considered for fulfillment of credentials.
4. In case of completed work, the value of final bill (gross amount) including the PVC amount (if paid) shall be considered as the completion cost of work. In case final bill is pending, only the total gross amount already paid including the PVC amount (if paid) shall be considered as the completion cost of work.

In case of substantially completed work, the total gross amount already paid including the PVC amount (if paid), as mentioned in the certificate, shall be considered as the cost of substantially completed work.

5. If a bidder has successfully completed a work as subcontractor and the work experience certificate has been issued for such work to the subcontractor by a Govt. Organization or public listed company as defined in Note for Item 10.1 Para 10 of the Tender Form (Second Sheet), the same shall be considered for the purpose of fulfillment of credentials.
6. In case a work is considered similar in nature for fulfillment of technical credentials, the overall cost including the PVC amount (if paid) of that completed work or substantially completed work, shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.
7. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of 0.3×0.2 * value of the work done in the previous entity. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.
8. In case of existing partnership firm, if any one or more partners quit the partnership firm, the credentials of remaining partnership firm shall be re-worked out i.e., the quitting partner(s) shall take away his credentials to the extent of his share on the date of quitting the partnership firm (e.g. in a partnership firm of partners A, B & C having share 30%, 30% & 40% respectively and credentials of Rs 10 crore; in case partner C quits the firm, the credentials of this partnership firm shall remain as Rs 6 crore). For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.
9. In case of existing partnership firm if any new partner(s) joins the firm, without any modification in the name and PAN/TAN no. of the firm, the credentials of partnership firm shall get enhanced to the extent of credentials of newly added partner(s) on the same principles as mentioned in item 6 above. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deeds, dissolution/splitting deeds and proof of surrender of PAN No.(s) in case of dissolution of partnership firm etc.
10. Any partner in a partnership firm cannot use or claim his credentials in any other firm without leaving the partnership firm i.e., In a partnership firm of A&B partners, A or B partner cannot use credentials of partnership firm of A&B partners in any other partnership firm or propriety firm without leaving partnership firm of A&B partners.
11. In case a partner in a partnership firm is replaced due to succession as per succession law, the proportion of credentials of the previous partner will be passed on to the successor.
12. If the percentage share among partners of a partnership firm is changed, but the partners remain the same, the credentials of the firm before such modification in the share will continue to be considered for the firm as it is without any change in their value. Further, in case a partner of partnership firm retires without taking away any credentials from the firm, the credentials of partnership firm shall remain the same as it is without any change in their value.
13. In a partnership firm "AB" of A&B partners, in case A also works as propriety firm "P" or partner in some other partnership firm "AX", credentials of A in propriety firm "P" or in other partnership firm "AX" earned after the date of becoming a partner of the firm AB shall not be added in partnership firm AB. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.
14. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.
15. In case company A is merged with company B, then company B would get the credentials of company A also.]

11. Tenderer Credentials:

Documents testifying tenderer previous experience and financial status should be produced along with the tender.

Tenderer(s) who is / are not borne on the approved list of the Contractors of _____ Railway shall submit along with his / their tender:

- (i) Certificates and testimonials regarding contracting experience for the type of job for which tender is invited with list of works carried out in the past.
- (ii) Certificates which may be an attested Certificate from the client, Audited Balance Sheet duly certified by the Chartered Accountant etc regarding contractual payments received in the past.
- (iii) The list of personnel / organization on hand and proposed to be engaged for the tendered work. Similarly list of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work.
- (iv) In case of other than Company/Proprietary Firm, Annexure-V(A) shall also be submitted by the each member of a Partnership Firm/Joint Venture (JV) /Hindu Undivided Family (HUF)/Limited Liability Partnership (LLP) etc. as the case may be. Non submission of a copy of certificate by the bidder shall result in summary rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested / digitally signed by which they/he/she/it is qualifying the Qualifying Criteria mentioned in the Tender Document.
- (v) The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the Railway thereunder.
- (vi) (a) In case of any information submitted by tenderer is found to be false, forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Bid Security besides banning of business for a period of up to two years.
(b) In case of any information submitted by tenderer is found to be false forged or incorrect after the award of contract, the contract shall be terminated. Bid Security, Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of up to two years.

12. Non-compliance with any of the conditions set forth therein above is liable to result in the tender being rejected.

13. Execution of Contract Documents: The successful Tenderer(s) shall be required to execute an agreement with the President of India acting through the _____ Railway for carrying out the work according to Standard General Conditions of Contract, Special Conditions / Specifications annexed to the tender and Standard Specifications (Works and Materials) of Railway as amended/corrected up to latest correction slips, mentioned in tender form (First Sheet).

14. Documents to be Submitted Along with Tender

- (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust/ Hindu Undivided Family HUF/Limited Liability Partnership (LLP) etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be.
- (ii) Following documents shall be submitted by the tenderer:

(a) Sole Proprietorship Firm:

- (i) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above..

(b) HUF:

(i) A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.

(ii) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above.

(c) Partnership Firm:

(i) All documents as mentioned in para 18 of the Tender Form (Second Sheet).

(d) Joint Venture (JV): All documents as mentioned in para 17 of the Tender Form (Second Sheet).

(e) Company registered under Companies Act 2013: The copies of

(i) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company

(ii) A copy of Certificate of Incorporation

(iii) A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company.

(iv) All other documents in terms Para 10 of the Tender Form (Second Sheet) above.

(f) LLP (Limited Liability Partnership): If the tender is submitted on behalf of a LLP registered under LLP Act-2008, the tenderer shall submit along with the tender:

(i) A copy of LLP Agreement

(ii) A copy of Certificate of Incorporation

(iii) A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP.

(iv) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract.

(v) All other documents in terms of Para 10 of the Tender Form (Second Sheet).

(g) Registered Society & Registered Trust: The tenderer shall submit:

(i) A copy of Certificate of Registration

(ii) A copy of Memorandum of Association of Society/Trust Deed

(iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust.

(iv) A copy of Rules & Regulations of the Society

(v) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above.

(vi) If it is NOT mentioned in the submitted tender that tender is being submitted on behalf of a Sole Proprietorship firm / Partnership firm / Joint Venture / Registered Company etc., then the tender shall be treated as having been submitted by the individual who has signed the tender.

- (vii) After opening of the tender, any document pertaining to the constitution of Sole Proprietorship Firm /Partnership Firm / Registered Company/ Registered Trust / Registered Society / HUF/LLP etc. shall be neither asked nor considered, if submitted. Further, no suo moto cognizance of any document available in public domain (i.e., on internet etc.) or in Railway's record/office files etc. will be taken for consideration of the tender, if no such mention is available in tender offer submitted.
- (viii) A tender from JV / Partnership firm etc. shall be considered only where permissible as per the tender conditions.
- (ix) The Railway will not be bound by any change of power of attorney or in the composition of the firm made subsequent to the submission of tender. Railway may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.

15. The tenderer whether sole proprietor / a company or a partnership firm / registered society / registered trust / HUF/ LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association / Board resolution, failing which tender shall be summarily rejected.

A separate power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, shall be submitted after award of work, specifically authorizing him/them to deal with all other contractual activities subsequent to signing of agreement, if required.

Note: A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostille certificate.

16. Employment/Partnership etc. of Retired Railway Employees:

(a) Should a tenderer

- i) be a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, whether in the executive or administrative capacity or whether holding a pensionable post or not, in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, OR
- ii) being partnership firm / joint venture (JV) / registered society / registered trust etc have as one of its partners/member a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, OR
- iii) being an incorporated company have any such retired Engineer of the gazetted rank or any other gazetted officer working before his retirement as one of its directors

AND

in case where such Engineer or officer had not retired from government service at least 1 year prior to the date of submission of the tender

THEN

the tenderer will give full information as to the date of retirement of such Engineer or gazetted officer from the said service and as to whether permission for taking such contract, or if the Contractor be a partnership firm or an incorporated company, to become a partner or director as the case may be, has been obtained by the tenderer or the Engineer or officer, as the case may be from the President of India or any officer, duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender.

- (b) In case, upon successful award of contract, should a tenderer depute for execution of the works under or to deal matters related with this contract, any retired Engineer of gazette rank or retired gazetted officer working before his retirement in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, and now in his employment, then the tenderer will ensure that retired Engineer or retired gazetted officer had retired from government service at least 1 year prior to the date of his employment with tenderer and in case he had retired from service within a year then he possesses the requisite permission from the President of India or any officer, duly authorized by him in this behalf, to get associated with the tenderer.
- (c) Should a tenderer or Contractor being an individual, have member(s) of his family or in the case of partnership firm/ company / joint venture (JV) / registered society / registered trust etc. one or more of his partner(s)/shareholder(s) or member(s) of the family of partner(s)/shareholder(s) having share of more than 1% in the tendering entity employed in gazetted capacity in the Engineering or any other department of the railway, then the tenderer at the time of submission of tender, will inform the authority inviting tenders the details of such persons.

Note:- If information as required as per 16.a), b), c) above has not been furnished, contract is liable to be dealt in accordance with provision of clause 62 of Standard General Condition of contract.

JOINT VENTURE (JV) IN WORKS TENDERS

17. Participation of Joint Venture (JV) in Works Tender: This Clause shall be applicable for works tenders wherein tender documents provide for the same.

17.1 Separate identity/name shall be given to the Joint Venture.

17.2 Number of members in a JV shall not be more than three, if the work involves only one department (say Civil or S&T or Electrical or Mechanical) and shall not be more than five, if the work involves more than one Department. One of the members of the JV shall be its Lead Member who shall have a majority (at least 51%) share of interest in the JV. The other members shall have a share of not less than 20% each in case of JV with upto three members and not less than 10% each in case of JV with more than three members. In case of JV with foreign member(s), the Lead Member has to be an Indian firm/company with a minimum share of 51%.

- 17.3A member of JV shall not be permitted to participate either in individual capacity or as a member of another JV in the same tender.
- 17.4 The tender form shall be purchased and submitted only in the name of the JV and not in the name of any constituent member. The tender form can however be submitted by JV or any of its constituent member or any person authorized by JV through Power of Attorney to submit tender.
- 17.5 Bid Security shall be submitted by JV or authorized person of JV either as :
- (i) Cash through e-payment gateway or as mentioned in tender document, or
 - (ii) Bank Guarantee bond either in the name of JV, or in the name of all members of JV as per MOU irrespective of their share in the JV if the JV has not been constituted legally till the date of submission of tender.
- 17.6 A copy of Memorandum of Understanding (MoU) duly executed by the JV members on a stamp paper, shall be submitted by the JV along with the tender. The complete details of the members of the JV, their share and responsibility in the JV etc. particularly with reference to financial, technical and other obligations shall be furnished in the MoU. (The MoU format for this purpose shall be finalized by the Railway in consultation with their Law Branch and shall be enclosed along with the tender).
- 17.7 Once the tender is submitted, the MoU shall not normally be modified / altered / terminated during the validity of the tender. In case the tenderer fails to observe/comply with this stipulation, the full Bid Security shall be liable to be forfeited.
- 17.8 Approval for change of constitution of JV shall be at the sole discretion of the Railway. The constitution of the JV shall not normally be allowed to be modified after submission of the tender bid by the JV, except when modification becomes inevitable due to succession laws etc., provided further that there is no change in qualification of minimum eligibility criteria by JV after change of composition. However, the Lead Member shall continue to be the Lead Member of the JV. Failure to observe this requirement would render the offer invalid.
- 17.9 Similarly, after the contract is awarded, the constitution of JV shall not be normally allowed to be altered during the currency of contract except when modification becomes inevitable due to succession laws etc. and minimum eligibility criteria should not get vitiated. Failure to observe this stipulation shall be deemed to be breach of contract with all consequential penal action as per contract conditions.
- 17.10 On award of contract to a JV, a single Performance Guarantee shall be submitted by the JV as per tender conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance etc. shall be accepted only in the name of the JV and no splitting of guarantees amongst the members of the JV shall be permitted.
- 17.11 On issue of LOA (Letter of Acceptance), the JV entity to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement submitted along with the tender, shall be got registered before the Registrar of the Companies under 'The Companies Act -2013' (in case JV entity is to be registered as Company) or before the Registrar/Sub-Registrar under the 'The Indian Partnership Act, 1932' (in case JV entity is to be registered as Partnership Firm) or under 'The LLP Act 2008' (in case JV entity is to be registered as LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the Railways before signing the contract agreement for the work. In case the tenderer fails to observe/comply with this stipulation within 60 days of issue of LOA, contract is

liable to be terminated. In case contract is terminated railway shall be entitled to forfeit the full amount of the Bid Security and other dues payable to the Contractor under this contract. The entity so registered, in the registered documents, shall have, inter-alia, following Clauses:

- 17.11.1 Joint And Several Liability - Members of the entity to which the contract is awarded, shall be jointly and severally liable to the Railway for execution of the project in accordance with General and Special Conditions of Contract. The members of the entity shall also be liable jointly and severally for the loss, damages caused to the Railways during the course of execution of the contract or due to non-execution of the contract or part thereof.
- 17.11.2 Duration of the Registered Entity - It shall be valid during the entire currency of the contract including the period of extension, if any and the maintenance period after the work is completed.
- 17.11.3 Governing Laws - The Registered Entity shall in all respect be governed by and interpreted in accordance with Indian Laws.
- 17.12 Authorized Member - Joint Venture members in the JV MoU shall authorize Lead member on behalf of the Joint Venture to deal with the Contract, sign the agreement or enter into contract in respect of the said tender, to receive payment, to witness joint measurement of work done, to sign measurement books and similar such action in respect of the said tender/contract. All notices/correspondences with respect to the contract would be sent only to this authorized member of the JV.
- 17.13 No member of the Joint Venture shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other members and that of the Railway in respect of the said tender/contract.
- 17.14 Documents to be enclosed by the JV along with the tender:
- 17.14.1 In case one or more of the members of the JV is/are partnership firm(s), following documents shall be submitted:
- (i) A notarized copy of the Partnership Deed,
 - (ii) A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper,
 - (iii) A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.
 - (iv) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract
- 17.14.2 In case one or more members is/are Proprietary Firm or HUF, the following documents shall be enclosed:
- (i) A copy of notarized affidavit on Stamp Paper declaring that his Concern is a proprietary Concern and he is sole proprietor of the Concern OR he who is signing the affidavit on behalf of HUF is in the

position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.

17.14.3 In case one or more members of the JV is/are companies, the following documents shall be submitted:

- (i) A copy of resolutions of the Directors of the Company, permitting the company to enter into a JV agreement,
- (ii) The copies of **MOA (Memorandum of Association) / AOA (Articles of Association)** of the company
- (iii) A copy of Certificate of Incorporation
- (iv) A copy of Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV Agreement on behalf of the company and create liability against the company

17.14.4 In case one or more members of the JV is/are LLP firm/s, the following documents shall be submitted:

- (i) A copy of LLP Agreement
- (ii) A copy of Certificate of Incorporation of LLP
- (iii) A copy of resolution passed by partners of LLP firm, permitting the Firm to enter into a JV agreement
- (iv) A copy of Authorization /copy of Power of Attorney issued by the LLP firm (backed by resolution passed by the Partners) in favour of the individual, to sign the tender and/or sign the MOU/ JV agreement on behalf of the LLP and create liability against the LLP.
- (v) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract.

17.14.5 In case one or more members of the JV is/are Society/s or Trust/s, the following documents shall be submitted:

- (i) A copy of Certificate of Registration
- (ii) A copy of Memorandum of Association of Society/Trust Deed
- (iii) A copy of Rules & Regulations of the Society
- (iv) A copy of Power of Attorney, in favour of the individual to sign the tender documents and create liability against the Society/Trust.

17.14.6 All other documents Para 10 of the Tender Form (Second Sheet) above

17.14.7 *A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostille certificate.*

17.15 **Credentials & Qualifying Criteria:** Technical, financial eligibility and Bid capacity of the JV shall be adjudged based on satisfactory fulfillment of the following criteria:

17.15.1 Technical Eligibility Criteria ('a' or 'b' mentioned hereunder):

(a) For works without composite components

The technical eligibility for major component of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'Lead member of the JV'.

Each other (non-lead) member(s) of JV, who is/ are not satisfying the technical eligibility for the work as per para 10.1 above, shall have technical capacity of minimum 10% of the cost of work i.e., each non-lead member of JV member must have satisfactorily completed or substantially completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of advertised value of the tender.

(b) For works with composite components

The technical eligibility for major component of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'Lead member of the JV' and technical eligibility for other component(s) of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'any member of the JV'.

Each other (non-lead) member(s) of JV, who is/ are not satisfying the technical eligibility for any component of the work as per para 10.1 above, shall have technical capacity of minimum 10% of the cost of any component of work mentioned in technical eligibility criteria. i.e., each other (non-lead) member of must have satisfactorily completed or substantially completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of cost of any component of work mentioned in technical eligibility criteria.

Note for Para 17.15.1:

- a) The Major component of the work for this purpose shall be the component of work having highest value. In cases where value of two or more component of work is same, any one work can be classified as Major component of work.
- b) Value of a completed work done by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying his/her compliance to the above-mentioned technical eligibility criteria in the tender under consideration.

17.15.2 Financial Eligibility Criteria

The JV shall satisfy the requirement of "Financial Eligibility" mentioned at para 10.2 above. The "financial capacity" of the lead partner of JV shall not be less than 51% of the financial eligibility criteria mentioned at para 10.2 above.

The arithmetic sum of individual "financial capacity" of all the members shall be taken as JV's "financial capacity" to satisfy this requirement.

Note: Contractual payment received by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying compliance of the above-mentioned financial eligibility criteria in the tender under consideration.

17.15.3 Bid Capacity

The JV shall satisfy the requirement of "Bid Capacity" requirement mentioned at para 10.3 above. The arithmetic sum of individual "Bid capacity" of all the members shall be taken as JV's "Bid capacity" to satisfy this requirement.

18. Participation of Partnership Firms in works tenders:

18.1. The Partnership Firms participating in the tender should be legally valid under the provisions of the Indian Partnership Act.

- 18.2. The partnership firm should have been in existence or should have been formed prior to submission of tender. Partnership firm should have either been registered with the Registrar or the partnership deed should have been notarized prior to date of tender opening as per the Indian Partnership Act, prior to submission of tender.
- 18.3. Separate identity / name should be given to the partnership firm. The partnership firm should have PAN / TAN number in its own name and PAN / TAN number in the name of any of the constituent partners shall not be considered. The valid constituents of the firm shall be called partners.
- 18.4. Once the tender has been submitted, the constitution of the firm shall not normally be allowed to be modified / altered / terminated during the validity of the tender as well as the currency of the contract except when modification becomes inevitable due to succession laws etc., in which case prior permission should be taken from Railway and in any case the minimum eligibility criteria should not get vitiated. The re-constitution of firm in such cases should be followed by a notary certified Supplementary Deed. The approval for change of constitution of the firm, in any case, shall be at the sole discretion of the Railways and the tenderer shall have no claims what-so-ever. Any change in the constitution of Partnership firm after submission of tender shall be with the consent of all partners and with the signatures of all partners as that in the Partnership Deed. Failure to observe this requirement shall render the offer invalid and full Bid Security shall be forfeited. If any Partner/s withdraws from the firm after submission of the tender and before the award of the contract, the offer shall be rejected and Bid Security of the tenderer will be forfeited. If any new partner joins the firm after Submission of tender but prior to award of contract, his / her credentials shall not qualify for consideration towards eligibility criteria either individually or in proportion to his share in the previous firm. In case the tenderer fails to inform Railway beforehand about any such changes / modification in the constitution which is inevitable due to succession laws etc. and the contract is awarded to such firm, then it will be considered a breach of the contract conditions liable for determination of the contract under Clause 62 of the Standard General Conditions of Contract.
- 18.5. A partner of the firm shall not be permitted to participate either in his individual capacity or as a partner of any other firm in the same tender.
- 18.6. The tender form shall be submitted only in the name of partnership firm. The Bid Security shall be submitted by partnership firm through e-payment gateway or as mentioned in tender document. The Bid Security submitted in the name of any individual partner or in the name of authorized partner (s) shall not be considered.
- 18.7. On issue of Letter of Acceptance (LOA) to the partnership firm, all the guarantees like Performance Guarantee, Guarantee for various Advances to the Contractor shall be submitted only in the name of the partnership firm and no splitting of guarantees among the partners shall be acceptable.
- 18.8. On issue of Letter of Acceptance (LOA), contract agreement with partnership firm shall be executed in the name of the firm only and not in the name of any individual partner.
- 18.9. In case the Letter of Acceptance (LOA) is issued to a partnership firm, the following undertakings shall be furnished by all the partners through a notarized affidavit, before signing of contract agreement.

(a) Joint and several liabilities:

The partners of the firm to which the Letter of Acceptance (LOA) is issued, shall be jointly and severally liable to the Railway for execution of the contract in accordance with General and Special Conditions of the Contract. The partners shall also be liable jointly and severally for the loss, damages caused to the Railway during the course of execution of the contract or due to non-execution of the contract or part thereof.

(b) Duration of the partnership deed and partnership firm agreement:

The partnership deed/partnership firm agreement shall normally not be modified/alterd/ terminated during the currency of contract and the maintenance period after the work is completed as contemplated in the conditions of the contract. Any change carried out by partners in the constitution of the firm without permission of Railway, shall constitute a breach of the contract, liable for determination of the contract under Clause 62 of the Standard General Conditions of Contract.

(c) Governing laws: The partnership firm agreement shall in all respect be governed by and interpreted in accordance with the Indian laws.

(d) No partner of the firm shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other partner/s and that of the Railway.

18.10 The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender:

- (i) A notarized copy of partnership deed or a copy of the Partnership deed registered with the Registrar.
- (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm.

An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determination under Clause 62 of the Standard General Conditions of Contract.

- (iii) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above.

18.11 Evaluation of eligibility of a partnership firm:

Technical and financial eligibility of the firm shall be adjudged based on satisfactory fulfillment of the eligibility criteria laid down in Para 10 of the Tender Form (Second Sheet) above.

19. Advances to Contractor –

If specifically provided in Tender Documents of tender having advertised value more than Rs 50 Crores, Railway shall make payment, as an Interest bearing advances, as per Contractor's request. These advances shall carry a simple interest _____ as indicated in the Tender documents. The payment and recovery of such advances shall be made as per manners prescribed in Clause 46.4 of the Standard General Conditions of Contract

(Signature) (Designation)

Signature of Tenderer(s)

_____ Railway

Date: _____

Date: _____

TENDER FORM (Third Sheet)**Name of Work:** _____**BILL OF QUANTITIES****1. Standard Bill(s) of Quantities (SSOR) Items:**

SL	Item No. of SSOR	Description of Item of Work	Approximate Quantity	Unit	Rates in Figures and Words to be filled by tenderer (₹)	Amount (₹)
1	2	3	4	5	6	7

2. Non Standard Bill(s) of Quantities (SSOR) Items:

SL	Item No.	Description of Item of Work	Approximate Quantity	Unit	Rates in Figures and Words to be filled by tenderer (₹)	Amount (₹)
1	2	3	4	5	6	7

The quantities shown in above Bill of Quantities are approximate and are as a guide to give the tenderer(s) an idea of quantum of work involved. The Railway reserves the right to increase/ decrease and/or delete or include any of the quantities given above and no extra rate will be allowed on this account.

I/We undertake to do the work at _____ % above/below the Standard Bill(s) of Quantities (SSOR) of the _____ Railway as applicable to _____ Division or at the rates quoted above for each item.

Dated _____

Signature of the Tenderer(s)

Note: Columns 1 to 5 shall be filled by the office of the Authority inviting tender. Columns 6 & 7 shall be filled by the Tenderer(s) only when percentage tenders are not invited.

ANNEXURE - II**AGREEMENT FOR ZONE CONTRACT**

CONTRACT AGREEMENT No. _____ DATED _____. ARTICLES OF AGREEMENT made this _____ day of _____ between the President of India acting through the _____, _____ Railway hereinafter called the "Railway" of the one part and _____ hereinafter called the "Contractor" of the other part.

WHEREAS the Contractor has agreed with the Railway during the period of ____ months from _____ to _____ for the performance of:

(a) New Works, additions and alterations to existing structures, special repair works and supply of building materials subject to the contract value for such works not exceeding ₹ _____.

(b) All ordinary repair and maintenance works at any site between kilometer _____ and kilometre _____ as will be set forth in the work orders (which work orders shall be deemed and taken to be part of this contract) that will be issued during the said period at ____% above/below the Standard Bill(s) of Quantities (SSOR) of the _____ Railway, corrected up to the latest correction slips and Standard Specifications of the _____ Railway corrected upto latest correction slips and the Special Conditions and Special Specifications, if any in conformity with the drawings (if any) that will be issued with the work order, aforesaid AND WHEREAS the performance of the said work is an act in which the public are interested.

NOW THIS INDENTURE PRESENTS WITNESSETH That in consideration of the payment to be made by the Railway, the Contractor will duly perform the works set forth in the said Work Order and shall execute the same with great promptness, care and accuracy, in a workman like manner to the satisfaction of the Railway and will complete the same on or before the respective dates specified therein in accordance with the said specifications and said drawings (if any) and said conditions of contract and will observe, fulfill and keep all the conditions therein mentioned, (which shall be deemed and taken to be part of this contract as if the same had been duly set forth herein), AND the Railway both here-by agree that if the Contractor shall duly perform the said work in the manner aforesaid and observe and keep the said terms and conditions, the Railway will pay or cause to be paid to the Contractor for the said works on the completion thereof the amount due in respect thereof at the rates specified above.

Contractor _____

Designation _____

Address _____

Railway _____

(For President of India)

Witnesses (to signature of Contractor):

Signature of witnesses with address _____

Date _____

Signature of witnesses with address _____

Date _____

ANNEXURE - III**WORK ORDER UNDER ZONE CONTRACT**

WORK ORDER NO. _____, DATED _____ UNDER CONTRACT AGREEMENT

NO. _____ DATED _____.

Name of Work _____ (SITE) _____

Schedule of Drawings _____

Authority _____ Allocation _____

The Contractor(s) _____ is / are hereby ordered to carry out the following works at _____% above/below the Standard Bill(s) of Quantities (SSOR) of _____, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents under Zone Contract Agreement here-in-before referred to:

SL	Item No.	Description of Item of Work	Approximate Quantity	Unit	Rates in Figures and Words (₹)	Amount (₹)
1	2	3	4	5	6	7
Total Approximate Value of Work = ₹ _____						

The works herein mentioned are required to be completed on or before _____ (Date). The quantities provided herein are approximate and subject to variation under Clause 42 of the Standard General Conditions of Contract updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.

Divisional Railway Manager/Divisional _____ Engineer

_____ Division

_____ Railway

Date _____

for President of India

I agree to complete the works herein set forth on or before the date specified under the Zone Contract Agreement herein before referred to in conformity with the drawings hereto annexed and in accordance with the General and Special (if any) Conditions of Contract updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the Standard Specifications of _____ Railway updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents .

I also agree to maintain such works for the period specified below from the date of completion:

(a) Repair and maintenance work including white/color washing: three calendar months from date of completion.

(b) All new works except earth work: Six calendar months from date of completion.

Contractor _____ (Signature) Railway: Designation _____

Address _____

For President of India)

Date _____ Date _____

Signature of Witnesses (to Signature of Contractor) with address

1. _____

2. _____

ANNEXURE - IV

 RAILWAY
CONTRACT AGREEMENT OF WORKS

CONTRACT AGREEMENT NO. _____ DATED _____

ARTICLES OF AGREEMENT made this _____ day of _____ 20____ between President of India acting through the Railway Administration hereafter called the "Railway" of the one part and _____ herein after called the "Contractor" of other part.

WHEREAS the Contractor has agreed with the Railway for performance of the works _____ set forth in the Bill(s) of Quantities hereto annexed upon the Standard General Conditions of Contract, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the Specifications of _____ updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the applicable Standard Bill(s) of Quantities (SSOR) of _____ updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents and the Special Conditions and Special Specifications, if any and in conformity with the drawings here-into annexed AND WHEREAS the performance of the said works is an act in which the public are interested.

NOW THIS INDENTURE WITNESSETH that in consideration to the payments to be made by the Railways, the Contractors will duly perform the said works in the said Bill(s) of Quantities set forth and shall execute the same with great promptness, care and accuracy in a workman like manner to the satisfaction of the Railway and will complete the same in accordance with the said specifications and said drawings and said conditions of contract on or before the ____ day of _____ 20__ and will maintain the said works for a period of ____ Calendar months from the certified date of their completion and will observe, fulfill and keep all the conditions therein mentioned (which shall be deemed and taken to be part of this contract, as if the same have been fully set forth herein), AND the Railway, both hereby agree that if the Contractor shall duly perform the said works in the manner aforesaid and observe and keep the said terms and conditions, the Railway will pay or cause to be paid to the Contractor for the said works on the final completion thereof the amount due in respect thereof at the rates specified in the Bill(s) of Quantities hereto annexed.

Contractor _____ (Signature) Railway: Designation _____

Address _____ (For President of India)

Date _____ Date _____

Signature of Witnesses (to Signature of Contractor) with address:

Witnesses:

ANNEXURE-V(A)

Reference -Para 6.1 of ITT

(This certificate is to be given by attorney/authorized signatory/each member of Partnership firm/Joint Venture (JV)/Hindu Undivided Family (HUF)/Limited Liability Partnership (LLP) etc.)

I/We.....(Name), attorney/authorized signatory of the(constituent firm/constituent partner) and member/partner of the(tendering firm) hereby solemnly affirm and state as under:

1. I/we certify that.....(constituent firm/ constituent partner) is/are not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as HUF/member of the partnership firm/LLP/JV/Society/Trust.
2. I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority I/We hereby certify that I/we fulfil all the requirement in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed),

SEAL AND SIGNATURE
OF THE CONSTITUENT FIRM/CONSTITUENT PARTNER

Place:

Dated:

ANNEXURE – VI**Reference -Para 10.3 & 17.15.3 of Tender Form (Second Sheet) of Annexure I of ITT****TENDERER'S CREDENTIALS (BID CAPACITY)****RAILWAY**

For tenders having advertised value more than Rs 10 crore wherein eligibility criteria inclusive Bid Capacity also, the tenderer will be qualified only if its available bid capacity is equal to or more than the total bid value of the present tender. The available bid capacity shall be calculated as under:

Available Bid Capacity = $[A \times N \times 2] - 0.33 \times N \times B$

Where,

A = Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress.

N= Number of years prescribed for completion of work for which bids has been invited.

B = Existing commitments and balance amount of ongoing works with tenderer as per the prescribed proforma of Railway for statement of all works in progress and also the works which are awarded to tenderer but yet not started upto the date of inviting of tender.

Note:

(a) The Tenderer(s) shall furnish the details of -

- (i) Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender) for calculating A, and
- (ii) Existing commitments and balance amount of ongoing works with tenderer as per the prescribed proforma of Railway for statement of all works in progress and also the works which are awarded to tenderer but yet not started upto the date of inviting of tender for calculating B. In case of no works in hand, a 'NIL' statement should be furnished.

The submitted details for (i) and (ii) above should be duly verified by Chartered Accountant.

(b) In case if a bidder is JV, the tenderer(s) must furnish the details of

- (i) Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender) by each member of JV for calculating A, and
- (ii) Existing commitments and balance amount of ongoing works with each member of JV either in individual capacity or as a member of other JV as per the prescribed proforma of Railway for statement of all works in progress and also the works which are awarded to each member of JV either in individual capacity or as a member of other JV but yet not started upto the date of inviting of tender for calculating B. In case of no works in hand, a 'NIL' statement should be furnished.

The submitted details for (i) and (ii) above should be duly verified by Chartered Accountant.

- (c) Value of a completed work/work in progress/work awarded but yet not started for a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying his/her compliance to the above mentioned bid capacity in the tender under consideration.
- (d) The arithmetic sum of individual "bid capacity" of all the members shall be taken as JV's "bid capacity".
- (e) In case, the tenderer/s failed to submit the above statement along with offer, their/his offer shall be considered as incomplete and will be rejected summarily.
- (f) The available bid capacity of tenderer shall be assessed based on the details submitted by the tenderer. In case, the available bid capacity is lesser than estimated cost of work put to tender, his offer shall not be considered even if he has been found eligible in other eligibility criteria/tender requirement.

Para 5 of the Instructions to Tenderers

(Bid Security)

Bank Guarantee Bond from any scheduled commercial bank of India

(On non-judicial stamp paper, which should be in the name of the Executing Bank).

Name of the Bank: -----

President of India,

Acting through,

..... Railway,

Beneficiary: Railway

Date:.....

Bank Guarantee Bond No.:

Date:-----

In consideration of the President of India acting through----- (Designation & address of Contract Signing Authority), Railway, (hereinafter called "The Railway") having invited the bid for_____through Notice inviting tender (NIT) No._____, We have been informed that [Insert name of the Bidder]..... (hereinafter called "the Bidder") intends to submit its bid (hereinafter called "the Bid") .

WHEREAS, the Bidder is required to furnish Bid Security for the sum of [Insert required Value of Bid Security], in the form of Bank Guarantee, according to conditions of Bid.

AND

WHEREAS,[Insert Name of the Bank], with its Branch[Insert Address] having its Headquarters office at..... [Insert Address], hereinafter called the Bank, acting through[Insert Name and Designation of the authorized persons of the Bank], have, at the request of the Bidder, agreed to give guarantee for Bid Security as hereinafter contained, in favour of the Railway:

1. KNOW ALL MEN that by these present that I/We the undersigned [Insert name(s) of authorized representatives of the Bank], being fully authorized to sign and incur obligations for and on behalf of the Bank, confirm that the Bank, hereby, unconditionally and irrevocably guarantee to pay to the Railway full amount in the sum of [Insert required Value of Bid Security] as above stated.
2. The Bank undertakes to immediately pay on presentation of demand by the Railway any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Railway on the Bank shall be final, conclusive and binding, absolute and unequivocal on the Bank notwithstanding any disputes raised/ pending before any Court, Tribunal, Arbitration or any Authority or any threatened litigation by the Bidder or Bank.
3. The Bank shall pay the amount as demanded immediately on presentation of the demand by Railway without any reference to the Bidder and without the Railway being required to show grounds or give reasons for its demand of the amount so demanded.
4. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Bidder.
5. The Bank agrees that no change, addition, modifications to the terms of the Bid document or to any documents, which have been or may be made between the Railway and the Bidder, will in any way absolve the Bank from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification made by Railway at any time.
6. This guarantee will remain valid and effective from.....[insert date of issue]till[insert date, which should be minimum 90 days beyond the expiry of validity of Bid]. Any demand in respect of this Guarantee should reach the Bank within the validity period of Bid Security.
7. The Bank Guarantee is unconditional and irrevocable.
8. The expressions Bank and Railway herein before used shall include their respective successors and assigns.
9. The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the Railway. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No.758.

10. The Bank hereby confirms that it is on the SFMS (Structured Financial Messaging System) and shall invariably send the advice of this Bank Guarantee to the following bank details –

IFSC CODE	SBIN000RAIL
IFSC TYPE	BRANCH
BANK NAME	STATE BANK OF INDIA
BRANCH NAME	RAIL
CITY NAME	NAVI MUMBAI
ADDRESS	SECTOR-11, CBD BELAPUR, NAVI MUMBAI
DISTRICT	NAVI MUMBAI
STATE	MAHARASHTRA
BG ENABLED	YES

11. The Guarantee shall be valid in addition to and without prejudice to any other security Guarantee(s) of Bidder in favour of the Railway. The Bank, under this Guarantee, shall be deemed as Principal Debtor of the Railway.

Date

Place

.....

Bank's Seal and authorized signature(s)

[Name in Block letters]

[Designation with Code No.].....

[P/Attorney] No.

Witness:

1 Signature, Name & Address & Seal

2 Signature, Name& address & Seal

Bank's Seal

[P/Attorney]No.

Note: All italicized text is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.

Reference -Para 10.2 & 17.15.2 of Tender Form (Second Sheet) of Annexure I of ITT

Each Bidder or each member of a JV must fill in this form separately:

NAME OF BIDDER/JV PARTNER:

Annual Contractual Turnover Data for the Previous 3/4 Years (Contractual Payment only)			
Year	Amount Currency	Exchange Rate	Indian National Rupees Equivalent
Average Annual Contractual Turnover for last 3 years			

1. The average annual contractual turnover shall be calculated as an average of “total contractual payments” in the previous three financial years. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.
2. The information supplied shall be substantiated by data in the audited balance sheets and profit and loss accounts for the relevant years in respect of the bidder or all members constituting the bidder.
3. Contents of this form should be certified by a Chartered Accountant duly supported by Audited Balance Sheet duly certified by the Chartered Accountant.

SEAL AND SIGNATURE OF THE BIDDER

Certified that all figures and facts submitted in this form have been furnished after full consideration of all observations/notes in Auditor’s reports._____

(Signature of Chartered Accountant)

Name of CA:_____

Registration No: _____

(Seal)

Part II

STANDARD GENERAL CONDITIONS OF CONTRACT

- 1. (1) Definitions:** In these Standard General Conditions of Contract, the following terms shall have the meaning assigned hereunder except where the context otherwise requires:
- (a) "Railway" shall mean the President of the Republic of India or the Administrative Officers of the Railway or of the Successor Railway authorized to deal with any matters which these presents are concerned on his behalf.
 - (b) "General Manager" shall mean the Officer in-charge of the General Superintendence and Control of the Railway and shall also include Addl. General Manager, the General Manager (Construction) and shall mean and include their successors, of the successor Railway.
 - (c) "Chief Engineer" shall mean the Officer in-charge of the Engineering Department of Railway and shall also include Chief Engineer (Construction), Chief Signal & Telecommunication Engineer, Chief Signal & Telecommunication Engineer (Construction), Chief Electrical Engineer, Chief Electrical Engineer (Construction), Chief Mechanical Engineer and shall mean & include their successors, of the Successor Railway.
 - (d) "Divisional Railway Manager" shall mean the Officer in-charge of a Division of the Railway and shall mean and include the Divisional Railway Manager of the Successor Railway.
 - (e) "Engineer" shall mean the Divisional Engineer or the Executive Engineer, Divisional Signal & Telecom Engineer, Divisional Electrical Engineer, Divisional Mechanical Engineer in executive charge of the works and shall include the superior officers of Open Line and Construction organizations on the Railway of the Engineering, Signal & Telecom, Electrical and Mechanical Departments, i.e. the Senior Divisional Engineer/Deputy Chief Engineer, Senior Divisional Signal & Telecom Engineer / Dy. Chief Signal & Telecom Engineer, Senior Divisional Electrical Engineer / Deputy Chief Electrical Engineer, Senior Divisional Mechanical Engineer and shall mean & include the Engineers of the Successors Railway.
 - (f) "Engineer's Representative" shall mean the Assistant Engineer, Assistant Signal & Telecommunication Engineer and Assistant Electrical Engineer, Assistant Mechanical Engineer in direct charge of the works and shall include any Sr. Section/Junior Engineer of Civil Engineering/ Signal and Telecommunication Engineering/Mechanical Engineering/Electrical Engineering Departments appointed by the Railway and shall mean and include the Engineer's Representative of the Successor Railway.
 - (g) "Contractor" shall mean the Person/Firm/LLP/Trust/Co-operative Society or Company whether incorporated or not who enters into the contract with the Railway and shall include their executors, administrators, successors and permitted assigns.
 - (h) "Contract" shall mean and include the Agreement, the Work Order, the accepted Bill(s) of Quantities or Chapter(s) of Standard Bill(s) of Quantities (SSOR) of the Railway modified by the tender percentage for items of works quantified, or not quantified, the Standard General Conditions of Contract, the Special Conditions of Contracts, if any; the Drawing, the Specifications, the Special Specifications, if any and Tender Forms, if any.
 - (i) "Works" shall mean the works to be executed in accordance with the contract.
 - (j) "Specifications" shall mean the Standard Specifications for Materials & Works of Railway as specified by Railway under the authority of the Chief Engineer or as amplified, added to or superseded by Special Specifications, if any.
 - (k) Standard Bill(s) of Quantities (SSOR) shall mean the Bill(s) of Quantities adopted by the Railway, which includes-
 - 1. "Unified Standard Bill(s) of Quantities of the Railway (USSOR)" i.e. the Standard Bill(s) of Quantities of the Railway issued under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents;
 - 2. "Delhi Bill(s) of Quantities (DSR)" i.e. the Standard Bill(s) of Quantities published by Director General/ Central Public Works Department, Government of India, New Delhi, as adopted and modified by the Railway under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.

- (l) "Drawing" shall mean the maps, drawings, plans and tracings or prints there of annexed to the contract and shall include any modifications of such drawings and further drawings as may be issued by the Engineer from time to time.
- (m) "Constructional Plant" shall mean all appliances or things of whatsoever nature required for the execution, completion or maintenance of the works or temporary works (as hereinafter defined) but does not include materials or other things intended to form or forming part of the permanent work.
- (n) "Temporary Works" shall mean all temporary works of every kind required for the execution completion and/or maintenance of the works.
- (o) "Site" shall mean the lands and other places on, under, in or through which the works are to be carried out and any other lands or places provided by the Railway for the purpose of the contract.
- (p) "Period of Maintenance" shall mean the specified period of maintenance from the date of completion of the works, as certified by the Engineer.
- (q) 'Contractor's authorized Engineer' shall mean a graduate Engineer or equivalent, having more than 3 years experience in the relevant field of construction work involved in the contract, duly approved by Engineer.
- (r) Date of inviting tender shall be the date of publishing tender notice on IREPS website if tender is published on website or the date of publication in newspaper in case tender is not published on website.
- (s) "Bill of Quantities" shall mean Schedule of Item(s) included in the tender document along with respective quantities and rates, accepted by the Railway.

(2) Singular and Plural: Words importing the singular number shall also include the plural and vice versa where the context requires.

1.(3) Headings and Marginal Headings: The headings and marginal headings in these Standard General Conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof the contract.

GENERAL OBLIGATIONS

2.(1) Execution Co-Relation and Intent of Contract Documents: The contract documents shall be signed in triplicate by the Railway and the Contractor. The contract documents are complementary and what is called for by anyone shall be as binding as if called for by all, the intention of the documents is to include all labour and materials, equipments and transportation necessary for proper execution of work. Materials or works not covered by or properly inferable from any heading or class of the specifications shall not be supplied by the Railway to the Contractors unless distinctly specified in the contract documents. Materials or works described in words which so applied have a well-known technical or trade meaning, shall be held to refer to such recognized standards.

2.(2) If a work is transferred from the jurisdiction of one Railway to another Railway or to a Project authority or vice versa while contract is in subsistence, the contract shall be binding on the Contractor and the Successor Railway/Project in the same manner & take effect in all respects as if the Contractor and the Successor Railway/Project were parties thereto from the inception and the corresponding officer or the Competent Authority in the Successor Railway/Project will exercise the same powers and enjoy the same authority as conferred to the Predecessor Railway/Project under the original contract/agreement entered into.

2.(3) If for administrative or other reasons the contract is transferred to the Successor Railway, the contract shall, notwithstanding any things contained herein contrary there to, be binding on the Contractor and the

Successor Railway in the same manner and take effect in all respects as if the Contractor and the Successor Railway had been parties thereto from the date of this contract.

3.(1) Law Governing the Contract: The contract shall be governed by the law for the time being in force in the Republic of India.

3.(2) Compliance to Regulations and Bye-Laws: The Contractor shall conform to the provision of any statute relating to the works and regulations and bye-laws of any local authority and of any water and lighting companies or undertakings, with whose system the work is proposed to be connected and shall before making any variation from the drawings or the specifications that may be necessitated by so confirming give to the Engineer notice specifying the variation proposed to be made and the reason for making the variation and shall not carry out such variation until he has received instructions from the Engineer in respect thereof. The Contractor shall be bound to give all notices required by statute, regulations or bye-laws as aforesaid and to pay all fees and taxes payable to any authority in respect thereof.

3.(3) Environmental and Forest clearances:

The Railway represents and warrants that the environmental and forest clearances pertaining to the work commensurate with the progress of work/agreed programme, will be obtained by Engineer. In the event of any delay in securing respective clearances leading to delay in execution of work, the Contractor shall be entitled to Extension of Time for the period of such delay in accordance with the provisions of Clause-17A(ii).

4. Communications to be in Writing: All notices, communications, reference and complaints made by the Railway or the Engineer or the Engineer's Representative or the Contractor inter-se concerning the works shall be in writing or e-mail on registered e-mail IDs i.e. the e mail id provided for correspondence in the contract agreement, otherwise email id registered with IREPS and no notice, communication, reference or complaint not in writing or through e-mail, shall be recognized.

5. Service of Notices on Contractors: The Contractor shall furnish to the Engineer the name, designation and address of his authorized agent and all complaints, notices, communications and references shall be deemed to have been duly given to the Contractor, if delivered to the Contractor or his authorized agent or left at or posted to the address so given and shall be deemed to have been so given in the case of posting on day on which they would have reached such address in the ordinary course of post/e-mail or on the day on which they were so delivered or left. In the case of contract by partners, any change in the constitution of the firm shall be forthwith notified by the Contractor to the Engineer.

6. Occupation and Use of Land: No land belonging to or in the possession of the Railway shall be occupied by the Contractor without the permission of the Railway. The Contractor shall not use, or allow to be used the site for any purposes other than that of executing the works. Whenever non-railway bodies/persons are permitted to use railway premises with competent authority's approval, conservancy charges as applicable from time to time may be levied.

7. Assignment or Subletting of Contract: The Contractor shall not assign or sublet the contract or any part thereof or allow any person to become interested therein in any manner whatsoever without the special permission

in writing of the Chief Engineer, save as provided below. Any breach of this condition shall entitle the Railway to rescind the contract under Clause 62 of these Conditions and also render the Contractor liable for payment to the Railway in respect of any loss or damage arising or ensuing from such cancellation; provided always that execution of the details of the work by petty Contractor under the direct and personal supervision of the Contractor or his agent shall not be deemed to be sub-letting under this clause.

In case Contractor intends to subcontract part of work, he shall submit a proposal in writing seeking permission of Chief Engineer for the same. While submitting the proposal to railway, Contractor shall ensure the following:

- (a)(i) The contractor shall not sub- contract the works comprising more than 40% (forty percent) of the Contract Price and shall carry out works for at least 60% (sixty percent) of the total contract Price directly under its own supervision And through its own personnel. The parties expressly agree that- for the purposes of computing the value of sub-contracts under this Clause 3.2.1, the Contract Price shall exclude any sub-contract for the procurement of goods and equipment like [rails, sleepers and track fittings, signaling and telecommunication & Power Supply equipment]. The Parties agree that all obligations and liabilities under this Agreement for the entire Railway Project shall at all-time remain with the Contractor. {The Parties agree that works equal to at least 30% (thirty per cent) of the Contract Price shall be discharged solely by The Lead Member.}\$

Procurement of material, hire of equipment or engagement of labour by prime contractor or procuring entity will not mean sub-contracting.

\$ May be deleted if the Contractor is not a Consortium/Joint Venture.

- (ii) The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract in last 5 years, ending date of submission of proposal by Contractor to Railway, costing not less than 35% value of work to be subletted, through a works contract. For fulfilment of above, Work Experience Certificate issued by a Govt. Department/Organisation shall be considered. Further, Work Experience Certificate issued by a Public listed company shall be considered provided the company is having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, registered at least 5 years back from the date of submission of proposal by Contractor to Railway and work experience certificate issued by a person authorized by the Public Listed Company to issue such certificates.

Note: for subletting of work costing up to Rs 50 lakh no previous work experience shall be asked for by the Railway.

In case contractor submits subcontractor's work experience certificate issued by public listed company, the contractor shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.

- (iii) There is no banning of business with the sub-contractor in force over IR.

- (b) The Contractor shall provide to the Engineer a copy of the agreement to be entered into by Contractor with subcontractor. No subcontractor shall be permitted without a formal agreement between Contractor and subcontractor. This agreement shall clearly define the scope of work to be carried out by subcontractor and the terms of payment in clear & unambiguous manner.
- (c) On receipt of approval from Chief Engineer, Contractor shall enter into a formal agreement legally enforceable in Court of Law with subcontractor and submit a copy of the same to the Engineer.
- (d) The Contractor shall intimate to the Engineer not less than 7 days in advance, the intended date of commencement of subcontractor's work.
- (e) Once having entered into above arrangement, Contractor shall discontinue such arrangement, if he intends to do so at his own or on the instructions of Railway, with prior intimation to Chief Engineer.
- (f) The Contractor shall indemnify railway against any claim of subcontractor.
- (g) The Contractor shall release payment to the Sub-contractor(s) promptly and shall endeavour to resolve all issues amicably and speedily with the Sub-contractor(s), so that the execution of work is not affected in any manner whatsoever.
- (h) In addition to issuance of work experience certificate to Contractor, the Engineer, when, based on documents, is satisfied that subcontracted work has been carried out by subcontractor, shall issue work experience certificate to the subcontractor also for the portion of work subcontracted and successfully completed by the sub-contractor.

Note: Work Experience Certificate to the subcontractor shall be issued only when the contractor's work is complete and contractor is entitled for the issuance of Work Experience Certificate. However, in the same contract, when the Chief Engineer, based on documents, is satisfied that the subcontractor has successfully carried out subletted work; without issuance of work experience certificate to subcontractor at this stage, the Chief Engineer can, only once, consider the successfully completed subletted work for the fulfilment of eligibility for further subletting of work to the subcontractor in the same contract. When the contractor's work is complete and contractor is entitled for the issuance of work experience certificate, the subcontractor shall be issued one Work Experience Certificate for the total scope of work executed by the subcontractor in the contract.
- (i) The responsibility of successful completion of work by subcontractor shall lie with Contractor. Subcontracting will in no way relieve the Contractor to execute the work as per terms of the Contract.
- (j) Further, in case Engineer is of the view that subcontractor's performance is not satisfactory, he may instruct the Contractor to remove the subcontractor from the work and Contractor has to comply with the above instructions with due promptness. Contractor shall intimate the actual date of discontinuation of subcontract to Engineer. No claim of Contractor whatsoever on this account shall be entertained by the Railway and this shall be deemed as 'excepted matter' (matter not arbitrable).
- (k) The permitted subcontracting of work by the Contractor shall not establish any contractual relationship between the sub-contractor and the Railway and shall not relieve the Contractor of any responsibility under the Contract.

8. Assistance by Railway for the Stores to be obtained by the Contractor: Owing to difficulty in obtaining certain materials (including Tools & Plant) in the market, the Railway may have agreed without any liability therefore to endeavour to obtain or assist the Contractor in obtaining the required quantities of such materials as may be specified in the Tender. In the event of delay or failure in obtaining the required quantities of the aforesaid material, the Contractor shall not be deemed absolved of his own responsibility and shall keep in touch with the day to day position regarding their availability and accordingly adjust progress of works including employment of labour and the Railway shall not in any way be liable for the supply of materials or for the non-supply thereof for any reasons whatsoever nor for any loss or damage arising in consequence of such delay or non-supply.

9. Railway Passes: No free railway passes shall be issued by the Railway to the Contractor or any of his employee/worker.

- 10. Carriage of Materials:** No forwarding orders shall be issued by the Railway for the conveyance of Contractor's materials, tools and plant by train which may be required for use in the works and the Contractor shall pay full freight charges at public tariff rates therefor.
- 11. Use of Ballast Trains:** The Railway may agree to allow the Contractor use of the ballast or material trains under such conditions as shall be specially prescribed, provided that the Contractor shall pay for the use thereof charges calculated at public tariff rates on the marked carrying capacity of each vehicle subject to specified minimum charge per day or part of day and provided further that the Contractor shall indemnify the Railway against any claims or damages arising out of the use or misuse thereof and against any liabilities under the Workmen's Compensation Act, 1923 or any statutory amendments thereto.
- 12. Representation on Works:** The Contractor shall, when he is not personally present on the site of the works place, keep a responsible agent at the works during working hours who shall on receiving reasonable notice, present himself to the Engineer and orders given by the Engineer or the Engineer's representative to the agent shall be deemed to have the same force as if they had been given to the Contractor. Before absenting himself, the Contractor shall furnish the name and address of his agent for the purpose of this clause and failure on the part of the Contractor to comply with this provision at anytime will entitle the Railway to rescind the contract under Clause 62 of these Conditions.
- 13. Relics and Treasures:** All gold, silver, oil, other minerals of any description, all precious stones, coins, treasures, relics, antiquities and other similar things which shall be found in or upon the site shall be the property of the Railway and the Contractor shall duly preserve the same to the satisfaction of the Railway and shall from time to time deliver the same to such person or persons as the Railway may appoint to receive the same.
- 14. Excavated Material:** The Contractor shall not sell or otherwise dispose of or remove except for the purpose of this contract, the sand, stone, clay ballast, earth, trees, rock or other substances or materials which may be obtained from any excavation made for the purpose of the works or any building or produced upon the site at the time of delivery of the possession thereof but all the substances, materials, buildings and produce shall be the property of the Railway provided that the Contractor may, with the permission of the Engineer, use the same for the purpose of the works either free of cost or pay the cost of the same at such rates as may be determined by the Engineer.
- 15. Indemnity by Contractors:** The Contractor shall indemnify and save harmless the Railway from and against all actions, suit, proceedings, losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the Railways by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.
- 16. (1) Security Deposit:** The Security Deposit shall be 5% of the contract value. The Bid Security submitted by the Contractor with his tender will be retained/encashed by the Railways as part of security for the due and faithful fulfillment of the contract by the Contractor. Provided further that, if Contractor submits the Cash or Term Deposit Receipt issued from a Scheduled commercial bank of India or irrevocable Bank Guarantee Bond from a Scheduled commercial bank of India, either towards the Full Security Depositor the Part Security Deposit equal to or more than Bid Security, the Railway shall return the Bid Security, to the Contractor.

Balance of Security Deposit may be deposited by the Contractor in cash or Term Deposit Receipt issued from Scheduled commercial bank of India or irrevocable Bank Guarantee bond issued from Scheduled commercial bank of India, or may be recovered at the rate of 6% of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the Railway may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Guarantee) may not exceed 10% of the total value of the contract.

The Irrevocable Bank Guarantee submitted towards Security deposit shall be initially valid up to the stipulated date of Maintenance period plus 60 days and shall be extended from time to time, depending upon extension of contract granted in terms of Clause 17A and 17B of the Standard General Conditions of Contract.

Note: Security Deposit deposited in cash by the Contractor or recovered from the running bills of a Contractor or submitted by contractor as Term Deposit Receipt(s) can be refunded/returned to the contractor, in lieu of irrevocable Bank Guarantee bond issued from scheduled commercial bank of India, to be submitted by him, for an amount equal to or more than the already available Security Deposit, provided however that, in a contract of value less than Rs. 50 Crore, such refund/ return of the already available Security Deposit is

permitted up to two times and in a contract of value equal to or more than Rs. 50 Crore, such refund / return of the already available Security Deposit is permitted up to three Times.

16. **(2) (i) Refund of Security Deposit:** Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following:
- (a)** Final Payment of the Contract as per clause 51.(1) **and**
 - (b)** Execution of Final Supplementary Agreement or Certification by Engineer that Railway has No Claim on Contractor **and**
 - (c)** Maintenance Certificate issued, on expiry of the maintenance period as per clause 50.(1), in case applicable.
16. **(2) (ii) Forfeiture of Security Deposit:** Whenever the contract is rescinded as a whole under clause 62 (1) of these conditions, the Security Deposit already with railways under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 62 (1) of these conditions, the Security Deposit shall not be forfeited.
16. **(3)** No interest shall be payable upon the Bid security and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub-Clause 16.(4)(b) of this clause will be payable with interest accrued thereon.

16. **(4) Performance Guarantee**

The procedure for obtaining Performance Guarantee is outlined below:

(a) The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty one) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 12% per annum shall be charged for the delay beyond 21 (Twenty one) days, i.e. from 22nd day after the date of issue of LOA. Further, if the 60th day happens to be a declared holiday in the concerned office of the Railway, submission of PG can be accepted on the next working day.

In all other cases, if the Contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminated. In case contract is terminated railway shall be entitled to forfeit Bid security and other dues payable to contractor against that particular contract, subject to maximum PG amount. In case a tenderer has not submitted bid security on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect.

The failed Contractor shall be debarred from participating in re-tender for that work.

(b) The successful bidder shall submit the performance Guarantee (PG) amounting to 5% of the original contract value and Additional Performance Guarantee as per clause 16(4)(h) in any of the following forms

(i) A deposit of Cash;

(ii) Irrevocable Bank Guarantee;

(iii) Insurance Surety Bond as per Annexure-XVII

Note:

In case of extension of Date of Completion, selected bidder needs to submit extended insurance Surety Bond/Fresh insurance Surety Bond/Fresh Performance Security, in any form as given above, before expiry of existing Insurance Surety Bond.

- (iv) Government Securities including state loan Bonds at 5% below the market value;
 - (v) Pay Orders and Demand Drafts tendered by any Scheduled Commercial Bank of India;
 - (vi) Guarantee Bonds executed or deposits Receipts tendered by any Scheduled Commercial Bank of India;
 - vii) Deposit in the Post Office Saving bank;
 - (viii) Deposit in the National Savings Certificate;
 - (ix) Twelve years National Defense Certificates;
 - (x) Ten years Defense Deposits;
 - (xi) National Defence Bonds and
 - (xii) Unit Trust Certificates at 5% below market value or at the face value whichever is less. Also, FDR in favour of FA&CAO (free from any encumbrance) may be accepted.
- (c) The Performance Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid upto the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the Contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60 days.
- (d) The value of PG to be submitted by the Contractor is based on original contract value and shall not change due to subsequent variation(s) in the original contract value.
- (e) The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily.
- (f) Whenever the contract is rescinded, the Performance Guarantee already submitted for the contract shall be encashed.
- (g) The Engineer shall not make a claim under the Performance Guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
- (i) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee.

(ii) Failure by the Contractor to pay President of India any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer.

(iii) The Contract being determined or rescinded under clause 62 of these conditions.

(h) If a tender is accepted on the quoted rates of bidder which is below the advertised tender value, an additional performance security shall be submitted by the bidder as below:

Bid quoted in % of advertised cost	Additional Performance Guarantee (%)
Below 0 - 5% (inclusive)	Nil
Below 5%	5%

17. Force Majeure Clause: If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, serious loss or damage by fire, explosions, epidemics/pandemics, strikes, lockouts or acts of God (hereinafter, referred to as events) provided, notice of the happening of any such event is given by either party to the other within 30 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and works under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Engineer as to whether the works have been so resumed or not shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 120 days, either party may at its option terminate the contract by giving notice to the other party.

17A. Extension of Time in Contracts: Subject to any requirement in the contract as to completion of any portion or portions of the works before completion of the whole, the Contractor shall fully and finally complete the whole of the works comprised in the contract (with such modifications as may be directed under conditions of this contract) by the date entered in the contract or extended date in terms of the following clauses:

- (i) **Extension due to Modification:** If any modifications have been ordered which in the opinion of the Engineer have materially increased the magnitude of the work, then such extension of the contracted date of completion may be granted as shall appear to the Engineer to be reasonable in the circumstances, provided moreover that the Contractor shall be responsible for requesting such extension of the date as may be considered necessary as soon as the cause thereof shall arise.
- (ii) **Extension for Delay not due to Railway or Contractor:** If in the opinion of the Engineer, the progress of work has any time been delayed by any act or neglect of Railway's employees or by other Contractor employed by the Railway under Sub-Clause (4) of Clause 20 of these Conditions or in executing the work not forming part of the contract but on which Contractor's performance necessarily depends or by reason of proceeding taken or threatened by or dispute with adjoining or to neighbouring owners or public

authority arising otherwise through the Contractor's own default etc. or by the delay authorized by the Engineer pending arbitration or in consequences of the Contractor not having received in due time necessary instructions from the Railway for which he shall have specially applied in writing to the Engineer or his authorized representative then upon happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer within 15 days of such happening, but shall nevertheless make constantly his best endeavours to bring down or make good the delay and shall do all that may be reasonably required of him to the satisfaction of the Engineer to proceed with the works. The Contractor may also indicate the period for which the work is likely to be delayed and shall be bound to ask for necessary extension of time.

- (iii) **Extension for Delay due to Railways:** In the event of any failure or delay by the Railway to hand over the Contractor possession of the lands necessary for the execution of the works or to give the necessary notice to commence the works or to provide the necessary drawings or instructions or any other delay caused by the Railway due to any other cause whatsoever, then such failure or delay shall in no way affect or vitiate the contract or alter the character thereof or entitle the Contractor to damages or compensation therefor, but in any such case, the Railway may grant such extension or extensions of the completion date as may be considered reasonable.

The Contractor shall indicate the period for which the work is likely to be delayed and shall seek extension of time as may be considered necessary under clause 17A(i) or/and 17A(ii) or/ and 17A(iii) above, as soon as the cause thereof shall arise and, in any case, not less than 15 days before the expiry of the date fixed for completion of the works. The Engineer shall consider the same and shall grant and communicate such extension of time as in his opinion is reasonable having regard to the nature and period of delay and the type and quantum of work affected thereby. No other compensation shall be payable for works so carried forward to the extended period of time; the same rates, terms and conditions of contract being applicable, as if such extended period of time was originally provided in the original contract itself.

The non-submission of request for extension or submission of request within less than 15 days before the expiry of the date fixed for completion of the works, shall make him ineligible for extension under these sub clauses, subject to final decision of Engineer.

- 17B** Extension of Time with Liquidated Damages (LD) for delay due to Contractor: The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract and the works must be completed not later than the date(s) as specified in the contract. If the Contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in Clause 17 and 17-A, the Railway may, if satisfied that the works can be completed by the Contractor within reasonable short time thereafter, allow the Contractor for further extension of time (Proforma at Annexure-VII) as the Engineer may decide. On such extension the Railway will be entitled without prejudice to any other right and remedy available on that behalf, to recover from the Contractor as agreed damages and not by way of penalty for each week or part of the week, a sum calculated at the rate of Liquidated Damages as decided by Engineer, between 0.05% to 0.30% of contract value of the works for each week or part of the week.

For the purpose of this Clause, the contract value of the works shall be taken as value of work as per contract agreement including any supplementary work order/contract agreement issued. Provided also, that the total amount of liquidated damages under this condition shall not exceed 5% of the contract value or of the total value of the item or groups of items of work for which a separate distinct completion period is specified in the contract.

Provided further, that if the Railway is not satisfied that the works can be completed by the Contractor and in the event of failure on the part of the contractor to complete the work within

further extension of time allowed as aforesaid, the Railway shall be entitled without prejudice to any other right or remedy available in that behalf, to appropriate the contractor's Security Deposit and rescind the contract under Clause 62 of these Conditions, whether or not actual damage is caused by such default.

NOTE:

In a contract, where extension(s) of time have been allowed once under clause 17B, further request(s) for extension of time under clause 17A can also be considered under exceptional circumstances. Such extension(s) of time under clause 17A shall be without any Liquidated damages, but the Liquidated damages already recovered during extension(s) of time granted previously under clause 17B shall not be waived. However, Price variation during such extension(s) shall be dealt as applicable for extension(s) of time under clause 17B.

17C Bonus for Early Completion of Work: In case of open tenders having advertised value more than Rs 50 crore and original period of completion 12 months or more, when there is no reduction in original scope of work by more than 10%, and no extension granted on either railway or Contractor's account, Contractor shall be entitled for a bonus of 1% for each 30 days early completion of work. The period of less than 30 days shall be ignored while working out bonus. The maximum bonus shall be limited to 5% of original contract value. The completion date shall be reckoned as the date of issuance of completion certificate by engineer.

18.(1) Illegal Gratification: Procuring authorities as well as bidders, contractors and consultants should observe the highest standard of ethics and should not include in the following prohibited practices, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:

- (i) "Corrupt practice": making offers, solicitation or acceptance of bribe, rewards of gifts or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement Process or contract execution;
- (ii) "Fraudulent practice": any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in execution of the contract;
- (iii) "Anti-competitive practice": any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of The Competition Act, 2002, between two or more bidders, with or without the knowledge of procuring entity, that may impair transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels;
- (iv) "Coercive practice": any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process affect the execution of a contract;
- (v) "Conflict of interest" (COI): any personal, financial, or business relationship between the bidder and personal of the procuring entity who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of the procuring entity directly or indirectly;
- (vi) "Undue Advantage": improper use of information obtained by the bidder from the procuring entity with an intent to gain an unfair advantage in the procurement process or for personal gain. This also includes if the bidder (or his allied firm) provided services for the need assessment/procurement planning of the tender process in which he is participating;

- (vii) "Obstructive practice": materially impede the procuring entity's investigation of a procurement process either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making statements or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to such investigation or from pursuing the investigation; or by impeding the procuring entity's rights of audit or access to information;

18.(2) Punitive Provisions:

Without prejudice to and in addition to the rights of the procuring entity to other penal provisions as per the bid documents or contract, if the procuring entity comes to a conclusion that a (prospective) bidder/contractor directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the procuring entity may take appropriate measures including one or more of the following:

- (i) If his bids are under consideration in any procurement

(a) Forfeiture or encashment of bid security;

(b) calling off of any pre-contract negotiations; and

(c) rejection and exclusion of the bidder from the procurement process

- (ii) If a contract has already been awarded

(a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;

(b) Forfeiture or encashment of any other security or bond relating to the procurement

(c) Recovery of payments including advance payments, if any, made by the procuring entity along with interest thereon at the prevailing rate;

- (iii) Provisions in addition to above:

(a) Removal from the list of enlisted contractors and banning/ debarment of the bidder from participation in future procurements of the procuring entity for a period not less than one year;

(b) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;

(c) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

Any question or dispute as to the commission of any such offence or compensation payable to the Railway under this Clause shall be settled by the General Manager of the Railway, in such a manner as he shall consider fit & sufficient and his decision shall be final & conclusive.

EXECUTION OF WORKS

19.(1) Contractor's understanding: It is understood and agreed that the Contractor has, by careful examination, satisfied himself as to the nature and location of the work, the conformation of the ground, the character,

quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the progress of the works, the general and local conditions, the labour conditions prevailing therein and all other matters which can in any way affect the works under the contract.

19.(2) Commencement of Works: The Contractor shall commence the works within 15 days after the receipt by him of an order in writing to this effect from the Engineer and shall proceed with the same with due expedition and without delay

19.(3) Accepted Programme of Work: The Contractor who has been awarded the work shall as soon as possible but not later than 30 days after the date of receipt of the acceptance letter in respect of contracts with initial completion period of two years or less or not later than 90 days for other contracts have to submit the detailed programme of work indicating the time schedule of various items of works in the form of Bar Chart/PERT/CPM. He shall also submit the details of organisation (in terms of labour and supervisors), plant and machinery that he intends to utilize (from time to time) for execution of the work within stipulated date of completion. The programme of work amended as necessary by discussions with the Engineer, shall be treated as the agreed programme of the work for the purpose of this contract and the Contractor shall endeavor to fulfill this programme of work. The progress of work will be watched accordingly and the liquidated damages will be with reference to the overall completion date. Nothing stated herein shall preclude the Contractor in achieving earlier completion of item or whole of the works than indicated in the programme.

In Contracts for works of New Line/Gauge Conversion/Doubling/Railway Electrification, finalized through Tenders having advertised value more than Rs. 100 crores, the Contractor shall submit a detailed time programme to the Engineer within 30 days after issue of LOA. The program shall include the physical and Financial Progress vis-à-vis program and forecast cash flow adopting Project Management Software such as Primavera/Sure Track/MS Project etc. The program must identify the milestones, interface requirements and program reporting elements. The Contractor shall supply, free of cost one set of authorized software to the Engineer and the soft copy of structured program for the project. This shall be updated every month. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress. Each programme shall include:

The order in which the Contractor intends to carry out the Works, including the anticipated timing of each stage, Contractor's Documents, procurement, manufacture of Plant, delivery to Site, construction, erection and testing, each of these stages for work by each Subcontractor, if any, the sequence and timing of inspections and tests specified in the Contract, and a supporting report which includes:

a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and

details showing the Contractor's reasonable estimate for the number of each class of Contractor's Personnel & Equipment, required on the Site for each major stage.

Unless the Engineer, within 21 days after receiving a programme, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the programme, subject to his other obligations under the Contract. The Engineer shall be entitled to rely upon the programme when planning their activities.

If, at any time, the Engineer gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contract or to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Engineer within 15 days in accordance with this Sub-Clause.

19.(4) Setting out of Works: The Contractor shall be responsible for the correct setting out of all works in relation to original points, lines and levels of reference at his cost. The Contractor shall execute the work true to alignment, grade, levels and dimensions as shown in the drawing and as directed by the Engineer's representative and check these at frequent intervals. The Contractor shall provide all facilities like labour and instruments and shall co-operate with the Engineer's representative for checking of all alignment, grades, levels and dimensions. If, at any time, during the progress of the works any error appear or arise in any part of the work, the Contractor, on being required so to do by the Engineer's representative shall, at his own cost rectify such errors, to the satisfaction of the Engineer's representative.

Such checking shall not absolve the Contractor of his own responsibility of maintaining accuracy in the work. The Contractor shall carefully protect and preserve all bench marks, sight rails, pegs and other things used in setting out the work.

20.(1) Compliance to Engineer's Instructions: The Engineer shall direct the sequence in which the several parts of the works shall be executed and the Contractor shall execute without delay all orders given by the Engineer from time to time; but the Contractor shall not be relieved thereby from responsibility for the due performance of the works in all respects.

20.(2) Alterations to be Authorized: No alterations in or additions to or omissions or abandonment of any part of the works shall be deemed authorized, except under written instructions from the Engineer.

20.(3) Extra Works: Should works over and above those included in the contract require to be executed at the site, the Contractor shall have no right to be entrusted with the execution of such works which may be carried out by another Contractor or Contractors or by other means at the option of the Railway.

20.(4) Separate Contracts in Connection with Works: The Railway shall have the right to let other contracts in connection with the works. The Contractor shall afford other Contractors reasonable opportunity for the storage of their materials and the execution of their works and shall properly connect and coordinate his work with theirs. If any part of the Contractor's work depends upon proper execution or result upon the work of another Contractor(s), the Contractor shall inspect and promptly report to the Engineer any defects in such works that render it unsuitable for such proper execution and results. The Contractor's failure so to inspect and report shall constitute an acceptance of the other Contractor's work as fit and proper for the reception of his work, except as to defects which may develop in the other Contractor's work after the execution of his work.

21. Instruction of Engineer's Representative: Any instructions or approval given by the Engineer's representative to Contractor in connection with the works shall bind the Contractor as though it had been given by the Engineer provided always as follows:

(a) Failure of the Engineer's representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or material and to order the removal or breaking up thereof.

(b) If the Contractor shall be dissatisfied by reason of any decision of the Engineer's representative, he shall be entitled to refer the matter to the Engineer who shall there upon confirm or vary such decision.

22.(1) Adherence to Specifications and Drawings: The site and the detailed drawings shall be made available to the contractor commensurate with the accepted programme of work submitted under clause 19(3). The whole of the works shall be executed in perfect conformity with the specifications and drawings of the contract. If Contractor performs any works in a manner contrary to the specifications or drawings or any of them and without such reference to the Engineer, he shall bear all the costs arising or ensuing therefrom and shall be responsible for all loss to the Railway.

- 22.(2) Drawings and Specifications of the Works:** The Contractor shall keep one copy of Drawings and Specifications at the site, in good order, and such contract documents as may be necessary, available to the Engineer or the Engineer's Representative.
- 22.(3) Ownership of Drawings and Specifications:** All Drawings and Specifications and copies thereof furnished by the Railway to the Contractor are deemed to be the property of the Railway. They shall not be used on other works and with the exception of the signed contract set, shall be returned by the Contractor to the Railway on completion of the work or termination of the Contract.
- 22.(4) Compliance with Contractor's Request for Details:** The Engineer shall furnish with reasonable promptness, after receipt by him of the Contractor's request, additional instructions by means of drawings or otherwise, necessary for the proper execution of the works or any part thereof. All such drawings and instructions shall be consistent with the Contract Documents and reasonably inferable there from.
- 22.(5) Meaning and Intent of Specification and Drawings:** If any ambiguity arises as to the meaning and intent of any portion of the Specifications and Drawings or as to execution or quality of any work or material, or as to the measurements of the works the decision of the Engineer thereon shall be final subject to the appeal (within 7 days of such decision being intimated to the Contractor) to the Chief Engineer who shall have the power to correct any errors, omissions, or discrepancies in aforementioned items and whose decision in the matter in dispute or doubt shall be final and conclusive.
- 23. Working during Night:** The Contractor shall not carry out any work between sun-set and sun-rise without the previous permission of the Engineer. However, if the Engineer is satisfied that the work is not likely to be completed in time except by resorting to night work, he may order the same without confirming any right on the Contractor for claiming any extra payment for the same.
- 24. Damage to Railway Property or Private Life and Property:** The Contractor shall be responsible for all risk to the work and for trespass and shall make good at his own expense all loss or damage whether to the works themselves or to any other property of the Railway or the lives, persons or property of others from whatsoever cause in connection with the works until they are taken over by the Railway, although all reasonable and proper precautions may have been taken by the Contractor. In case the Railway shall be called upon to make good any costs, loss or damages, or to pay any compensation, including that payable under the provisions of the Workmen's Compensation Act or any statutory amendments thereof to any person or persons sustaining damages as aforesaid by reason of any act, or any negligence or omissions on the part of the Contractor; the amount of any costs or charges including costs and charges in connection with legal proceedings, which the Railway may incur in reference thereto, shall be charged to the Contractor. The Railway shall have the power and right to pay or to defend or compromise any claim of threatened legal proceedings or in anticipation of legal proceedings being instituted consequent on the action or default of the Contractor, to take such steps as may be considered necessary or desirable to ward off or mitigate the effect of such proceedings, charging to Contractor, as aforesaid; any sum or sums of money which may be paid and any expenses whether for

reinstatement or otherwise which may be incurred and the propriety of any such payment, defense or compromise, and the incurring of any such expenses shall not be called in question by the Contractor.

25. Sheds, Storehouses and Yards: The Contractor shall at his own expense provide himself with sheds, storehouses and yards in such situations and in such numbers as in the opinion of the Engineer is requisite for carrying on the works and the Contractor shall keep at each such sheds, storehouses and yards a sufficient quantity of materials and plant in stock as not to delay the carrying out of the works with due expedition and the Engineer and the Engineer's representative shall have free access to the said sheds, storehouses and yards at any time for the purpose of inspecting the stock of materials or plant so kept in hand, and any materials or plant which the Engineer may object to shall not be brought upon or used in the works, but shall be forthwith removed from the sheds, storehouses or yards by the Contractor. The Contractor shall at his own expenses provide and maintain suitable mortar mills, soaking vats or any other equipment necessary for the execution of the works..

26. Provision of Efficient and Competent Staff at Work Sites by the Contractor:

26.1 The Contractor shall place and keep on the works at all times efficient and competent staff to give the necessary directions to his workmen and to see that they execute their work in sound & proper manner and shall employ only such supervisors, workmen & Labourers in or about the execution of any of these works as are careful and skilled in the various trades.

26.2 The Contractor shall at once remove from the works any agents, permitted sub-contractor, supervisor, workman or Labour who shall be objected to by the Engineer and if and whenever required by the Engineer, he shall submit a correct return showing the names of all staff and workmen employed by him.

26.3 In the event of the Engineer being of the opinion that the Contractor is not employing on the works a sufficient number of staff and workmen as is necessary for proper completion of the works within the time prescribed, the Contractor shall forthwith on receiving intimation to this effect deploy the additional number of staff and labour as specified by the Engineer within seven days of being so required and failure on the part of the Contractor to comply with such instructions will entitle the Railway to rescind the contract under Clause 62 of these conditions.

26A. Deployment of Qualified Engineers at Work Sites by the Contractor:

26A.1 The Contractor shall also employ qualified Graduate Engineer(s) or equivalent, or qualified Diploma Engineer(s), as prescribed in the tender documents.

26A.2 In case the Contractor fails to employ the Engineer, as aforesaid in Para 26A.1, he shall be liable to pay liquidated damages at the rates, as prescribed in the tender documents.

26A.3 No. of qualified Engineers required to be deployed by the Contractor for various activities contained in the works contract shall be specified in the tender documents as 'Special Condition of Contract'.

27.(1) Workmanship and Testing: The whole of the works and/or supply of materials specified and provided in the contract or that may be necessary to be done in order to form and complete any part

thereof shall be executed in the best and most substantial workman like manner with materials of the best and most approved quality of their respective kinds, agreeable to the particulars contained in or implied by the specifications and as referred to in and represented by the drawings or in such other additional particulars, instructions and drawings given during the carrying on of the works and to the entire satisfaction of the Engineer according to the instructions and directions which the Contractors may from time to time receive from the Engineer. The materials may be subjected to tests by means of such machines, instruments and appliances as the Engineer may direct and wholly at the expense of the Contractor.

27.(2) Removal of Improper Work and Materials: The Engineer or the Engineer's Representative shall be entitled to order from time to time:

- (a) The removal from the site, within the time specified in the order, of any materials which in his opinion are not in accordance with the specifications or drawings.
- (b) The substitution of proper and suitable materials, and
- (c) the removal and proper re-execution, notwithstanding any previous tests thereof or on account payments therefore, of any work which in respect of materials or workmanship is not in his opinion in accordance with the specifications and in case of default on the part of the Contractor in carrying out such order, the Railway shall be entitled to rescind the contract under Clause 62 of these conditions.
- (d) The provision of Construction and Demolition Waste Management Rule 2016 issued by Ministry of Environment Forest and Climate Change dated 29.03.2016 and published in the Gazette of India, Part – II, Section -3, Sub-section (ii) are binding upon the Contractor. Contractor shall implement these provisions at worksites, for which no extra payment will be payable.

28. Facilities for Inspection: The Contractor shall afford the Engineer and the Engineer's Representative every facility for entering in and upon every portion of the work at all hours for the purpose of inspection or otherwise and shall provide all labour, materials, planks, ladders, pumps, appliances and things of every kind required for the purpose and the Engineer and the Engineer's Representative shall at all times have free access to every part of the works and to all places at which materials for the works are stored or being prepared.

29. Examination of Work before Covering Up: The Contractor shall give 7 days' notice to the Engineer or the Engineer's Representative whenever any work or materials are intended to be covered up in the earth, in bodies or walls or otherwise to be placed beyond the reach of measurements in order that the work may be inspected or that correct dimensions may be taken before being so covered, placed beyond the reach of measurement in default whereof, the same shall at the option of the Engineer or the Engineer's Representative be uncovered and measured at the Contractor's expense or no allowance shall be made for such work or materials.

30. Temporary Works: All temporary works necessary for the proper execution of the works shall be provided and maintained by the Contractor and subject to the consent of the Engineer shall be removed by him at his

expenses when they are no longer required and in such manner as the Engineer shall direct. In the event of failure on the part of the Contractor to remove the temporary works, the Engineer will cause them to be removed and cost as increased by supervision and other incidental charges shall be recovered from the Contractor. If temporary huts are provided by the Contractor on the Railway land for labour engaged by him for the execution of works, the Contractor shall arrange for handing over vacant possession of the said land after the work is completed; if the Contractor's labour refuse to vacate, and have to be evicted by the Railway, necessary expenses incurred by the Railway in connection therewith shall be borne by the Contractor.

31.(1) Contractor to Supply Water for Works: Unless otherwise provided in the Contract, the Contractor shall be responsible for the arrangements to obtain supply of water necessary for the works.

31.(2) Water Supply from Railway System: The Railway may supply to the Contractor part or whole of the quantity of the water required for the execution of works from the Railway's existing water supply system at or near the site of works on specified terms and conditions and at such charges as shall be determined by the Railway and payable by the Contractor, provided that the Contractor shall arrange, at his own expense, to effect the connections and lay additional pipelines and accessories on the site and that the Contractor shall not be entitled to any compensation for interruption or failure of the water supply.

31.(3) Water Supply by Railway Transport: In the event of the Railway arranging supply of water to the Contractor at or near the site of works by travelling water tanks or other means, the freight and other charges incurred thereby, including demurrage charges that may be levied, shall be paid by the Contractor in addition to the charges referred to in Sub-Clause (2) of the Clause provided that the Contractor shall not be entitled to any compensation for interruption or failure of the water supply.

31.(4)(a) Contractor to Arrange Supply of Electric Power for Works: Unless otherwise provided in the contract, the Contractor shall be responsible for arrangements to obtain supply of Electric Power for the works.

(b) Electric Supply from the Railway System: The Railway may supply to the Contractor part or whole of the electric power wherever available and possible, required for execution of works from the Railway's existing electric supply systems at or near the site of works on specified terms and conditions and such charges as shall be determined by the Railway and payable by the Contractor provided the cost of arranging necessary connections to the Railway's Electric Supply systems and laying of underground/overhead conductor, circuit protection, electric power meters, transmission structure, shall be borne by the Contractor and that the Contractor shall not be entitled to any compensation for interruption or failure of the Electric supply system.

32. Property in Materials and Plant: The materials and plant brought by the Contractor upon the site or on the land occupied by the Contractor in connection with the works and intended to be used for the execution thereof shall immediately be deemed to be the property of the Railway. Such of them as during the progress of the works are rejected by the Engineer under Clause 25 of these conditions or are declared by him not to be needed for the execution of the works or such as on the grant of the certificate of completion remain unused shall immediately on such rejection, declaration or grant cease to be deemed the property of the Railway and the Contractor may then (but not before) remove them from the site or the said land. This clause shall not in any way

diminish the liability of the Contractor nor shall the Railway be in any way answerable for any loss or damage which may happen to or in respect of any such materials or plant either by the same being lost, stolen, injured or destroyed by fire, tempest or otherwise.

- 33.(1) Tools, Plant and Materials Supplied by Railway:** The Contractor shall take all reasonable care of all tools, plant and materials or other property whether of a like description or not belonging to the Railway and committed to his charge for the purpose of the works and shall be responsible for all damage or loss caused by him, his agents, permitted sub-contractor, or his workmen or others while they are in his charge. The Contractors shall sign accountable receipts for tools, plants and materials made over to him by the Engineer and on completion of the works shall hand over the unused balance of the same to the Engineer in good order and repair, fair wear and tear excepted, and shall be responsible for any failure to account for the same or any damage done thereto.
- 33.(2) Hire of Railway's Plant:** The Railway may hire to the Contractor such plant as concrete mixers, compressors and portable engines for use during execution of the works on such terms as may be specified in the special conditions or in a separate agreement for Hire of Plant.
- 34.(1) Precaution During Progress of Works: During the** execution of works, unless otherwise specified, the Contractor shall at his own cost provide the materials for and execute all shoring, timbering and strutting works as is necessary for the stability and safety of all structures, excavations and works and shall ensure that no damage, injury or loss is caused or likely to be caused to any person or property.
- 34.(2) Roads and Water Courses:** Existing roads or water courses shall not be blocked cut through, altered, diverted or obstructed in any way by the Contractor, except with the permission of the Engineer. All compensations claimed for any unauthorized closure, cutting through, alteration, diversion or obstruction to such roads or water courses by the Contractor or his agent or his staff shall be recoverable from the Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India.
- 34.(3) Provision of Access to Premises:** During progress of work in any street or thoroughfare, the Contractor shall make adequate provision for the passage of traffic, for securing safe access to all premises approached from such street or thoroughfare and for any drainage, water supply or means of lighting which may be interrupted by reasons of the execution of the works and shall react and maintain at his own cost barriers, lights and other safeguards as prescribed by the Engineer, for the regulation of the traffic, and provide watchmen necessary to prevent accidents. The works shall in such cases be executed night and day, if so ordered by the Engineer and with such vigour so that the traffic way be impeded for as short a time as possible.
- 34.(4) Safety of Public:** The Contractor shall be responsible to take all precautions to ensure the safety of the public whether on public or railway property and shall post such look out men as may, in the opinion of the Engineer, be required to comply with regulations appertaining to the work. Contractor shall ensure placement of barricading / partitions at the place of work to ensure safety of habitants of adjacent area, failing which Engineer may advise stoppage of work as per his discretion.

34.(5) Display Board: The Contractor shall be responsible for displaying the details of works i.e. name of work, approximate cost, expected date of completion, name and address of the Contractor and address of Engineer on a proper steel Board of size not less than 1m x 1m.

35. Use of Explosives: Explosives shall not be used on the works or on the site by the Contractor without the permission of the Engineer and then also only in the manner and to the extent to which such permission is given. Where explosives are required for the works, they shall be stored in a special magazine to be provided by and at the cost of the Contractor in accordance with the Explosive Rules. The Contractor shall obtain the necessary license for the storage and the use of explosives. All operations in which or for which explosives are employed shall be at the sole risk and responsibility of the Contractor and the Contractor shall indemnify the Railway in respect thereof.

36.(1) Suspension of Works: The Contractor shall on the order of the Engineer, suspend the progress of the works or any part thereof for such time or times and in such manner as the Engineer may consider necessary and shall during such suspension properly protect and secure the work so far as is necessary in the opinion of the Engineer. If such suspension is:

- a. Provided for in the contract, or
- b. Necessary for the proper execution of the works or by the reason of weather conditions or by some default on the part of the Contractor, and or
- c. Necessary for the safety of the works or any part thereof.
- d. Necessary for the safety of adjoining public or other property or safety of the public or workmen or those who have to be at the site, or
- e. Necessary to avoid disruption of traffic and utilities, as also to permit fast repair and restoration of any damaged utilities, or
- f. Due to instruction of The National Green Tribunal or any other statutory authority due to high level of pollution in the city of worksite.

36.(2) The Contractor shall not be entitled to the extra costs, if any, incurred by him during the period of suspension of the works, but in the event of any suspension ordered by the Engineer for reasons other than aforementioned and when each such period of suspension exceeds 14 days, the Contractor shall be entitled to such extension of time for completion of the works as the Engineer may consider proper having regard to the period or periods of such suspensions and to such compensations as the Engineer may consider reasonable in respect of salaries or wages paid by the Contractor to his employees during the periods of such suspension.

36.(3) Suspension Lasting More than 3 Months: If the progress of the works or any part thereof is suspended on the order of the Engineer for more than three months at a time, the Contractor may serve a written notice on the Engineer requiring permission within 15 days from the receipt thereof to proceed with the works or that part thereof in regard to which progress is suspended and if such permission is not granted within that time the Contractor by further written notice so served may, but is not bound to, elect to treat the suspension where it affects part only of the works as an omission of such part or where it affects the whole of the works, as an abandonment of the contract by the Railway.

37. Rates for Items of Works:

The rates, entered in the accepted Bill(s) of Quantities of the Contract are intended to provide for works duly and properly completed in accordance with the General and Special (if any) Conditions of the Contract and the Specifications and drawings together with such enlargements, extensions, diminutions, reductions, alterations or additions as may be ordered in terms of Clause 42 of these conditions and without prejudice to the generality thereof and shall be deemed to include and cover superintendence and labour, supply, including full freight of materials, stores, patterns, profiles, moulds, fittings, centerings, scaffolding, shoring props, timber, machinery, barracks, tackle, roads, pegs, posts, tools and all apparatus and plant required on the works, except such tools, plant or materials as may be specified in the contract to be supplied to the Contractor by the Railway, the erection, maintenance and removal of all temporary works and buildings, all watching, lighting, bailing, pumping and draining, all prevention of or compensation for trespass, all barriers and arrangements for the safety of the public or of employees during the execution of works, all sanitary and medical arrangements for labour camps as may be prescribed by the Railway, the setting of all work and of the construction, repair and upkeep of all centre lines, bench marks and level pegs thereon, site clearance, all fees duties, royalties, rent and compensation to owners for surface damage or taxes and impositions payable to local authorities in respect of land, structures and all material supplied for the work or other duties or expenses for which the Contractor may become liable or may be put to under any provision of law for the purpose of or in connection with the execution of the contract and all such other incidental charges or contingencies as may have been specially provided for in the Specifications.

However, if rates of existing GST or cess on GST for Works Contract is increased or any new tax /cess on Works Contract is imposed by Statute after the date of opening of tender but within the original date of completion/date of completion extended under clause 17 & 17A and the Contractor thereupon properly pays such taxes/cess, the Contractor shall be reimbursed the amount so paid.

Further, if rates of existing GST or cess on GST for Works Contract is decreased or any tax/cess on Works Contract is decreased / removed by Statute after the date of opening of tender, the reduction in tax amount shall be recovered from Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India.

38. Demurrage and Wharfage Dues: Demurrage charges calculated in accordance with the scale in force for the time being on the Railway and incurred by the Contractor failing to load or unload any goods or materials within the time allowed by the Railway for loading as also wharfage charges, of materials not removed in time, as also charges due on consignments booked by or to him shall be paid by the Contractor, failing which such charges shall be debited to the Contractor's account in the hands of the Railway and shall be deducted from any sums which may become due to him in terms of the contracts.

39.(1) Rates for Extra Item(s) of Works:

(a) Standard Schedule of Rates (SSOR) Items: Any item of work carried out by the Contractor on the instructions of the Engineer which is not included in the accepted Bill(s) of Quantities but figures in the Standard Schedule of Rates (SSOR), shall be executed at the rates set forth in the "Standard Schedule of Rates (SSOR)" modified by the tender percentage as accepted in the contract for that chapter of Standard Schedule of Rates (SSOR).

For item(s) not covered in this sub clause, the rate shall be decided as agreed upon between the Engineer and the Contractor before the execution of such items of work as per sub clause (b).

(b) Other Items: For any item of work to be carried out by the Contractor but not included in the accepted Bill(s) of Quantities and also not covered under sub clause (a) above, the Contractor shall be bound to notify the Engineer at least seven days before the necessity arises for the execution of such items of works that the accepted Bill(s) of Quantities does not include rate or rates for such extra work involved. The rates payable for such items shall be decided at the meeting to be held between the Engineer and Contractor, in as short a period as possible after the need for the special item has come to the notice. In case the Contractor fails to attend the meeting after being notified to do so or in the event of no settlement being arrived at, the Railway shall be entitled to execute the extra works by other means and the Contractor shall have no claim for loss or damage that may result from such procedure.

The assessment of rates for extra item(s) shall be arrived at based on the prevailing market rates of labour, machinery & materials and by taking guidance from the following documents in order of priority:

- i. Analysis of Rates for "Unified Standard Schedule of Rates of Indian railways (USSOR)"
- ii. Analysis of Rates for "Delhi Schedule of rates issued by CPWD (DSR)"
- iii. Market Analysis

39.(2) Provided that if the Contractor commences work or incurs any expenditure in regard thereto before the rates as determined and agreed upon as lastly hereuntofore-mentioned, then and in such a case the Contractor shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of determination of the rates as aforesaid according to the rates as shall be fixed by the Engineer. However, if the Contractor is not satisfied with the decision of the Engineer in this respect, he may appeal to the Chief Engineer within 30 days of getting the decision of the Engineer, supported by analysis of the rates claimed. The Chief Engineer's decision after hearing both the parties in the matter would be final and binding on the Contractor and the Railway.

40.(1) Handing over of Works: The Contractor shall be bound to hand over the works executed under the contract to the Railway complete in all respects to the satisfaction of the Engineer. The Engineer shall determine the date on which the work is considered to have been completed, in support of which his certificate shall be regarded as sufficient evidence for all purposes. The Engineer shall determine from time to time, the date on which any particular section of the work shall have been completed, and the Contractor shall be bound to observe any such determination of the Engineer.

40.(2) Clearance of Site on Completion: On completion of the works, the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and works clean and in a workman like condition to the satisfaction of the Engineer. No final payment in settlement of the accounts for the works shall be paid, held to bedue or shall be made to the Contractor till, in addition to any other condition necessary for final payment, site clearance shall have been affected by him, and such clearance may be made by the Engineer at the expense of the Contractor in the event of his failure to comply with this provision within 7 days after receiving notice to that effect. Should it become necessary for the Engineer to have the site cleared at the expenses of the Contractor, the Railway shall not be held liable for any loss or damage to such of the Contractor's property as may be on the site and due to such removal there from which removal may be affected by means of public sales of such materials and property or in such a way as deemed fit and convenient to the Engineer.

40A: Offloading of Part(s) of Work: At the final stage of completion/ commissioning of work, in case the contractor fails to complete the final part(s) of the work and the value of such part(s) of the work is limited to 5% of the original contract value, the Engineer may allow/decide for offloading of such part(s) of works, either after the Contractor's request in writing to do so or after serving a 14 (Fourteen) days suo-moto notice (as per annexure- VIIA), if the Engineer is of the opinion that :-

- (i) Such Offloading of works (up to 5% of original contract value) would enable successful completion of contract/work,
- (ii) Termination/ Part termination of the contract at this stage is not be in the interest of the Railway/work,, and
- (iii) The anticipated additional cost for execution of such works through other mode would not be substantial and can be recovered from the pending dues of the contractor;

The Contractor shall be informed, in due course, by the Engineer of the mode and cost of execution of such offloaded work through other agency(ies) (as per annexure- VIIB). The extra expenditure so incurred in execution of the offloaded work, shall be recovered from subsequent Bill(s) or any other dues of the Contractor, but not exceeding the value of Performance Guarantee available in the contract. There shall be no other repercussion of such offloading on execution of the balance contract. The Contractor shall have no claim on account of above mentioned offloading of works.

VARIATIONS IN EXTENT OF CONTRACT

- 41. Modification to Contract to be in Writing:** In the event of any of the provisions of the contract required to be modified after the contract documents have been signed, the modifications shall be made in writing and signed by the Railway and the Contractor and no work shall proceed under such modifications until this has been done. Any verbal or written arrangement abandoning, modifying, extending, reducing or supplementing the contract or any of the terms thereof shall be deemed conditional and shall not be binding on the Railway unless and until the same is incorporated in a formal instrument and signed by the Railway and the Contractor, and till then the Railway shall have the right to repudiate such arrangements.
- 42.(1) Powers of Modification to Contract:** The Engineer on behalf of the Railway shall be entitled by order in writing to enlarge or extend, diminish or reduce the works or make any alterations in their design, character position, site, quantities, dimensions or in the method of their execution or in the combination and use of materials for the execution thereof or to order any additional work to be done or any work not to be done and the Contractor will not be entitled, to any compensation for any increase/reduction in the quantities of work but will be paid only for the actual amount of work done and for approved materials supplied against a specific order.
- 42.(2)(i)** Unless otherwise specified in the special conditions of the contract, the accepted variation in quantity of each individual item of the contract would be upto 25% of the quantity originally contracted, except in case of foundation work (in which no variation limit shall apply). However, the rates for the increased quantities shall be as per sub- para (iii) below.
- (ii) The Contractor shall be bound to carry out the work at the agreed rates and shall not be entitled to any claim or any compensation whatsoever upto the limit of 25% variation in quantity of individual item of works.
- (iii) In case an increase in quantity of an individual item by more than 25% of the agreement quantity is considered unavoidable, then same shall be executed at following rates
- Quantities operated in excess of 125% but upto 140% of the agreement quantity of the concerned item, shall be paid at 98% of the rate awarded for that item in that particular tender;
 - Quantities operated in excess of 140% but upto 150% of the agreement quantity of the concerned item shall be paid at 96% of the rate awarded for that item in that particular tender;
 - Variation in quantities of individual items beyond 150% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.
 - Variation to quantities of Minor Value Item:

The limit for varying quantities for minor value items shall be 100% (as against 25% prescribed for other items). A minor value item for this purpose is defined as an item whose original agreement value is less than 1 % of the total original agreement value.

(d)(i) Quantities operated upto and including 100% of the agreement quantity of the concerned minor value item, shall be paid at the rate awarded for that item in that particular tender;

(d)(ii) Quantities operated in excess of 100% but upto 200% of the agreement quantity of the concerned minor value item, shall be paid at 98% of the rate awarded for that item in that particular tender;

(d)(iii) Variation in quantities of individual minor value item beyond 200% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.

(iv) In case of earthwork, the variation limit of 25% shall apply to the gross quantity of earthwork items and variation in the quantities of individual classifications of soil shall not be subject to this limit.

(v) As far as Standard Bill(s) of Quantities (SSOR) items are concerned, the variation limit of 25% would apply to the value of SSOR schedule(s) as a whole and not on individual SSOR items. However, in case of Non Standard Bill(s) of Quantities (SSOR) items, the limit of 25% would apply on the individual items irrespective of the manner of quoting the rate (single percentage rate or individual item rate).

42.(3) Valuation of Variations: The enlargements, extensions, diminution, reduction, alterations or additions referred to in Sub-Clause (2) of this Clause shall in no degree affect the validity of the contract; but shall be performed by the Contractor as provided therein and be subject to the same conditions, stipulations and obligations as if they had been originally and expressively included and provided for in the Specifications and Drawings and the amounts to be paid therefor shall be calculated in accordance with the accepted Bill(s) of Quantities. Any extra items/quantities of work falling outside the purview of the provisions of Sub-Clause (2) above shall be paid for at the rates determined under Clause-39 of these Conditions.

CLAIMS

43.(1) Quarterly Statement of Claims: The Contractor shall prepare and furnish to the Engineer once in every quarter commencing from the month following the month of issue of Letter of Acceptance, an account giving full and detailed particulars of all claims for any additional expenses to which the Contractor may consider himself entitled to and of all extra or additional works ordered by the Engineer which he has executed during the preceding quarter and no claim for payment for such work will be considered which has not been included in such particulars.

43.(2) Signing of "No Claim" Certificate : The Contractor shall not be entitled to make any claim whatsoever against the Railway under or by virtue of or arising out of this contract, nor shall the Railway entertain or consider any such claim, if made by the Contractor, after he shall have signed a "No Claim" Certificate in favour of the Railway in such form as shall be required by the Railway after the works are finally measured up. The Contractor shall be

debarred from disputing the correctness of the items covered by "No Claim" Certificate or demanding a clearance to arbitration in respect thereof.

MEASUREMENTS, CERTIFICATES AND PAYMENTS

44. Quantities in Bill(s) of Quantities Annexed to Contract: The quantities set out in the accepted Bill(s) of Quantities with items of works quantified are the estimated quantities of the works and they shall not be taken as the actual and correct quantities of the work to be executed by the Contractor in fulfillment of his obligations under the contract.

45(i). Measurement of Works by Railway: The Contractor shall be paid for the works at the rates in the accepted Bill(s) of Quantities and for extra works at rates determined under Clause 39 of these Conditions on the measurements taken by the Engineer or the Engineer's representative in accordance with the rules prescribed for the purpose by the Railway. The quantities for items the unit of which in the accepted Bill(s) of Quantities is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for items the unit of which in the accepted Bill(s) of Quantities is single, the quantities shall be calculated to two places of decimals. Such measurements will be taken of the work in progress from time to time and at such intervals as in the opinion of the Engineer shall be proper having regard to the progress of works. The date and time on which 'on account' or 'final' measurements are to be made shall be communicated to the Contractor who shall be present at the site and shall sign the results of the measurements (which shall also be signed by the Engineer or the Engineer's representative) recorded in the official measurements book as an acknowledgement of his acceptance of the accuracy of the measurements. Failing the Contractor's attendance, the work may be measured up in his absence and such measurements shall, notwithstanding such absence, be binding upon the Contractor whether or not he shall have signed the measurement books provided always that any objection made by him to measurement shall be duly investigated and considered in the manner set out below:

- a. It shall be open to the Contractor to take specific objection to any recorded measurements or Classification on any ground within seven days of the date of such measurements. Any re-measurement taken by the Engineer or the Engineer's representative in the presence of the Contractor or in his absence after due notice has been given to him in consequence of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and Classification of the measurements.
- b. If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.

45(ii). Measurement of Works by Contractor's Authorized Representative (in case the contract provides for the same):

- a. The Contractor shall be paid for the works at the rates in the accepted Bill(s) of Quantities and for extra works at rates determined under Clause 39 of these Conditions on the measurements taken by the Contractor's

authorized Engineer in accordance with the rules prescribed for the purpose by the Railway. The quantities for items the unit of which in the accepted Bill(s) of Quantities is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for items the unit of which in the accepted Bill(s) of Quantities is single, the quantities shall be calculated to two places of decimals. Such measurements will be taken of the work in progress from time to time. The date and time on which 'on account' or 'final' measurements are to be made shall be communicated to the Engineer.

The date and time of test checks shall be communicated to the Contractor who shall be present at the site and shall witness the test checks, failing the Contractor's attendance the test checks may be conducted in his absence and such test checks shall notwithstanding such absence be binding upon Contractor provided always that any objection made by Contractor to test check shall be duly investigated and considered in the manner set out below:

- i. It shall be open to the Contractor to take specific objection to test checks of any recorded measurement within 7 days of date of such test checks. Any re-test check done by the concerned Railway's authority in the presence of the Contractor or in his absence after due notice given to him in consequence of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and classification of the measurements.
 - ii. If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.
- b. **Incorrect measurement, actions to be taken:** If in case during test check or otherwise, it is detected by the Engineer that agency has claimed any exaggerated measurement or has claimed any false measurement for the works which have not been executed; amounting to variation of 5% or more of claimed gross bill amount, action shall be taken as following:
- (i) On first occasion of noticing exaggerated/ false measurement, Engineer shall recover liquidated damages equal to 10% of claimed gross bill value.
 - (ii) On any next occasion of noticing any exaggerated/false measurement, railway shall recover liquidated damages equal to 15% of claimed gross bill value. In addition the facility of recording of measurements by Contractor as well as release of provisional payment shall be withdrawn. Once withdrawn, measurements shall be done by railway as per clause 45(i) above.

46.(1) "On-Account " Payments: The Contractor shall be entitled to be paid from time to time by way of "On-Account" payment only for such works as in the opinion of the Engineer he has executed in terms of the contract. All payments due on the Engineer's/Engineer's Representative's certificates of measurements or Engineer's certified "Contractor's authorized Engineer's measurements" shall be subject to any deductions which may be made under these presents and shall further be subject to, unless otherwise required by Clause 16 of these Conditions, a retention of six percent by way of Security Deposits, until the amount of Security Deposit by way of such retentions shall amount to 5% of the total value of the contract provided always that the Engineer may by any certificate make any correction or modification in any previous certificate which shall have been issued by him and

that the Engineer may withhold any certificate, if the works or any part thereof are not being carried out to his satisfaction.

46.(2) Rounding off Amounts: The total amount due on each certificate shall be rounded off to the nearest rupee, i.e. sum less than 50 paise shall be omitted and sums of 50 paise and more upto ₹1 will be reckoned as ₹ 1.

46.(3) On Account Payments not Prejudicial to Final Settlement: "On-Account" payments made to the Contractor shall be without prejudice to the final making up of the accounts (except where measurements are specifically noted in the Measurement Book as "Final Measurements" and as such have been signed by the Contractor and Engineer/Engineer's Representative) and shall in no respect be considered or used as evidence of any facts stated in or to be inferred from such accounts nor of any particular quantity of work having been executed nor of the manner of its execution being satisfactory.

46.(4) If payment(s) of Advances are applicable in the contract, as mentioned in the Tender Documents, Railway shall make payment(s) of Interest bearing advances, on the request of contractor. The payment and recovery of such Advances shall be made as under:

(a): Mobilisation Advance –

This shall be limited to 10% of the Contract value and shall be paid in 2 stages :

Stage 1– 5% of Contract Value on signing of the contract agreement.

Stage 2 – 5% on mobilization of site-establishment, setting up offices, bringing in equipment and actual commencement of work.

The stage 1 of advance shall be payable immediately after signing of contract agreement.

The stage 2 of advance shall be payable at the time of mobilisation, only after submission of an utilization certificate by the contractor that the Stage 1 advance has been properly utilized in the contract.

These Advances shall be payable against irrevocable guarantee (Bank Guarantee, FDRs) from a scheduled commercial bank of India of at least 110% of the value of the sanctioned advance amount (covering principal plus interest).

(b): Advance Against Machinery and Equipment –

This advance shall be limited to a maximum of 10% of the contract value against new Machinery & Equipment, involving substantial outlay, brought to site and essentially required for the work. This advance shall not exceed 75% of the purchase price of such Equipment and shall be payable when Equipment is hypothecated to the President of India by a suitable bond or alternatively covered by an irrevocable Bank Guarantee from a scheduled commercial bank of India for full cost of the Plant & Equipment in a form acceptable to Railways. The Plant & Equipment shall be insured for the full value and for the entire period, they are required for the work. This Plant & Equipment shall not be removed from the site of work without prior written permission of the Engineer. No advance should be given against old Plant & Machinery.

The advances under sub clause (a) and (b) above, are subject to the following conditions -

- (i) The full amount of Advances shall be recovered from contractor dues. The recovery shall commence when the value of contract executed reaches 15% of original contract value and shall be completed when the value of work executed reaches 85% of the original contract value. The installments on each "on account bill" will be on pro-rata basis.

Interest shall be recovered on the advance outstanding for the period commencing from the date of payment of advance till date of particular on-account bill (through which recovery of principal is effected) and adjusted fully against on-account bill along with pro-rata principal recovery. In the event of any short-fall, the same shall be carried forward to the next on-account bill and shall attract interest.

- (ii) The advances shall be used by the Contractor for the purpose of the Contract, and for the purpose for which they are paid. Under no circumstances, shall the advances be diverted for other purposes. Any such diversion shall be construed as a breach of the Contract and the Contractor shall be asked to return the advance at once and pay interest at 15% per annum till the advance is recovered back from him. The Contractor shall return the advance and pay the interest in one go without demur. The Contractor, if required by the Engineer shall provide the details of utilisation of Mobilisation advance.
- (iii) If the Contractor is found to have contravened the provision, it will constitute a breach of contract and Railway shall be entitled to terminate the contract and forfeit his Performance Guarantee as well as Security Deposit.
- (iv) In cases, where the Contract is rescinded as per clause 62 of the contract or short closed under any other condition(s) of the contract, without making full recovery of advances and accrued interest thereon, by the Railway, such balance of advances and accrued interest thereon shall immediately become due and payable by the Contractor to the Railway. The same shall be recovered from any due of Contractor with the Government of India.

46.(5) Manner of Payment: Unless otherwise specified payments to the Contractor will be transferred electronically to his bank account.

46A. Price Variation Clause (PVC):

46A.1 Applicability: Price Variation Clause (PVC) shall be applicable only in tender having advertised value above **Rs. 2 Crores**. Provided further that, in a contract where PVC is applicable, following shall be outside the purview of price adjustments (i.e. shall be excluded from the gross value of the work for the purpose of price variation) :

- a) Materials supplied by Railway to the Contractors, either free or at fixed rate;
- b) Any extra item(s) included in subsequent variation falling outside the purview of the Bill(s) of Quantities of tender, under clause 39. (1)(b) of these Standard General Conditions, unless applicability of PVC and 'Base Month' has been specially agreed, while fixing the rates of such extra item(s).

46A.2 Base Month: The Base Month for 'Price Variation Clause' shall be taken as month 28 days prior to closing of tender including extensions, if any, unless otherwise stated elsewhere. The quarter for applicability of PVC shall commence from the month following Base month. The Price Variation shall be based on the average Price Index of the quarter under consideration.

46A.3 Validity:

Rates accepted by Railway Administration shall hold good till completion of work and no additional individual claim shall be admissible except:

- a. Payment/recovery for increase/decrease in GST on works contract or imposition/removal of any tax/cess on Works Contract as per Clause 37,
- b. Payment/recovery for overall market situation as per Price Variation Clause given hereunder.

46A.4 Components of various items in a contract on which variation in prices be admissible, shall be steel, cement, ferrous material, non-ferrous material, insulators, zinc and other materials, labour, plant & machinery, fuel, explosives, detonators etc. Adjustment for variation in prices of these items shall be determined in the manner prescribed.

46A.5 No price variation shall be admissible for fixed components.

46A.6 The percentages of various components in various type of works shall be as specified for all item (s)/ Bill(s) of Quantities in tender document and the same shall be fixed as per table & classifications given below:

I). For Civil Engineering Works

SN	Classification		1A, 2 & 3A	4A	5A	6A	7	8A	9A	1B, 3B, 4B, 5B, 6B 8B & 9B	1C, 3C, 4C, 5C, 6C, 8C & 9C	3D, 4D, 5D, 6D, 8D & 9D	3E, 4E, 5E, 6E, 8E & 9E
	Components												
1	Fixed	*	15	15	15	15	15	15	15	15	15	15	15
2	Labour	L _c	20	25	30	20	50	20	20	0	0	10	25
3	Steel	S _c	0	0	0	0	0	0	0	85	0	50	0
4	Cement	C _c	0	0	15	0	0	0	0	0	85	0	0
5	Plant Machinery & Spares	PM _c	30	15	5	20	15	20	30	0	0	10	30
6	Fuel & Lubricants	F _c	25	15	5	15	15	20	15	0	0	10	20
7	Other materials	M _c	10	15	30	30	5	25	20	0	0	5	10
8	Detonators & Explosive	E _c	0	15	0	0	0	0	0	0	0	0	0
Total			100	100	100	100	100	100	100	100	100	100	100

*It shall not be considered for any price variation.

The classification mentioned in the table above represents following type of item(s) in the work(s) -

1 Earthwork in Formation

1A All Item(s) excluding 1B or/and 1C

1B Item(s) for supply of Steel

1C Item(s) for supply of Cement

2 Ballast Supply Works

3 Tunnelling Works (Without Explosives)

3A All Item(s) excluding 3B or/and 3C or/and 3D or/and 3E

3B Item(s) for supply of Steel

3C Item(s) for supply of Cement or/and Grout

3D Item(s) for Fabrication & Erection of Structures including supply of Steel

3E Item(s) for Fabrication & Erection of Structures excluding supply of Steel.

4 Tunnelling Works (With explosives)

- 4A All Item(s) excluding 4B or/and 4C or/and 4D or/and 4E
 4B Item(s) for supply of Steel
 4C Item(s) for supply of Cement or/and Grout
 4D Item(s) for Fabrication & Erection of Structures including supply of Steel
 4E Item(s) for Fabrication & Erection of Structures excluding supply of Steel.

5 Building Works

- 5A All Item(s) excluding 5B or/and 5C or/and 5D or/and 5E
 5B Item(s) for supply of Steel
 5C Item(s) for supply of Cement
 5D Item(s) for Fabrication & Erection of Structures including supply of Steel
 5E Item(s) for Fabrication & Erection of Structures excluding supply of Steel.

6 Bridges & Protection work

- 6A All Item(s) excluding 6B or/and 6C or/and 6D or/and 6E
 6B Item(s) for supply of Steel
 6C Item(s) for supply of Cement
 6D Item(s) for Fabrication, Assembly, Erection & Launching of Girders including supply of Steel
 6E Item(s) for Fabrication, Assembly, Erection & Launching of Girders excluding supply of Steel

7 Permanent Way linking**8 Platform, Passenger Amenities**

- 8A All Item(s) excluding 8B or/and 8C or/and 8D or/and 8E
 8B Item(s) for supply of Steel item/fittings
 8C Item(s) for supply of Cement Item
 8D Item(s) for Fabrication & Erection of Structures including supply of Steel
 8E Item(s) for Fabrication & Erection of Structures excluding supply of Steel

9 Any Other Works not covered in Classification 1 to 8

- 9A All Item(s) excluding 9B or/and 9C or/and 9D or/and 9E
 9B Item(s) for supply of Steel
 9C Item(s) for supply of Cement or/and Grout
 9D Item(s) for Fabrication & Erection of Structures including supply of Steel
 9E Item(s) for Fabrication & Erection of Structures excluding supply of Steel

46A.7 Formulae: The Amount of variation in prices in various components (labour, material etc.) shall be worked out by the following formulae:

$$\begin{aligned}
 \text{(i) } L &= \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (L_Q - L_B) \times L_C}{L_B \times 100} \\
 \text{(ii) } M &= \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (M_Q - M_B) \times M_C}{M_B \times 100} \\
 \text{(iii) } F &= \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (F_Q - F_B) \times F_C}{F_B \times 100} \\
 \text{(iv) } E &= \frac{(W) \times (E_Q - E_B) \times E_C}{E_B \times 100} \\
 \text{(v) } PM &= \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (PM_Q - PM_B) \times PM_C}{PM_B \times 100}
 \end{aligned}$$

$$(vi) S = \frac{(W \text{ or } W_S \text{ or } W_{SF}) \times (S_Q - S_B) \times S_C}{S_B \times 100}$$

$$(vii) C = \frac{(W \text{ or } W_C) \times (C_Q - C_B) \times C_C}{C_B \times 100}$$

(II) For Railway Electrification Works:

$$(viii) T = [0.4136 \times (C_Q - C_B) / C_B] \times 85$$

$$(ix) R = [0.94 \times (R_T - R_0) / R_0 + 0.06 \times (Z_T - Z_0) / Z_0] \times 85$$

$$(x) N = [(P_T - P_0) / P_0] \times 85$$

$$(xi) I = [(I_T - I_0) / I_0] \times 85$$

$$(xii) G = [(M_Q - M_B) / M_B] \times 85$$

$$(xiii) Er = [(L_Q - L_B) / L_B] \times 85$$

Where,

L Amount of price variation in Labour

M Amount of price variation in Materials

F Amount of price variation in Fuel

E Amount of price variation in Explosives

PM Amount of price variation in Plant, Machinery and Spares

S Amount of price variation in Steel Supply Item

C Amount of price variation in Cement Supply Item

T Percentage variation payable on the gross value of bill of Concreting (Bill(s) of Quantities for concrete items)

R Percentage variation payable on the gross value of bill of Ferrous Items (Bill(s) of Quantities for ferrous items)

N Percentage variation payable on the gross value of bill of Non-Ferrous Items (Bill(s) of Quantities for non-ferrous items)

I Percentage variation payable on the gross value of bill of Insulator (Bill(s) of Quantities for Insulator items)

G Percentage variation payable on the gross value of bill of General Works (Bill(s) of Quantities for General items)

Er Percentage variation payable on the gross value of erection (Bill(s) of Quantities for Erection Item)

Lc % of Labour Component in the item(s)

Mc % of Material Component in the item(s)

Fc % of Fuel Component in the item(s)

Ec % of Explosive Component in the item(s)

PMc % of Plant, Machinery and Spares Component in the item(s)

Sc % of Steel Supply item Component in the item(s)

Cc % of Cement Supply item Component in the item(s)

W Gross value of work done by Contractor as per on-account bill(s) excluding the Gross value of work under W_S or/and W_C or/and W_{SF} or/and W_F or/and W_{SFL} or/and W_{FL} and cost of materials supplied by Railway either free or at fixed rate,

W_S Gross value of work done by Contractor for item(s) of supply of steel.

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W _C	Gross value of work done by Contractor for item(s) of supply of cement and /or supply of grout material.
W _{SF}	Gross value of work done by Contractor for item(s) of Fabrication & Erection of Structures including supply of Steel.
W _F	Gross value of work done by Contractor for Fabrication & Erection of Structures excluding supply of Steel.
W _{SFL}	Gross value of work done by Contractor for item(s) of Fabrication, Assembly, Erection / Launching of Girders including supply of Steel.
W _{FL}	Gross value of work done by Contractor for item(s) of Fabrication, Assembly, Erection / Launching of Girders excluding supply of Steel.
L _B	Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the base period
L _Q	Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration
M _B	Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the base period
M _Q	Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration
F _B	The average of official prices of Diesel available on the official website of ‘Petroleum Planning and Analysis cell’ under Ministry of Petroleum and Natural Gas for Delhi, Kolkata, Mumbai & Chennai, for the base period
F _Q	The average of official prices of Diesel available on the official website of ‘Petroleum Planning and Analysis cell’ under Ministry of Petroleum and Natural Gas for Delhi, Kolkata, Mumbai & Chennai, for the 3 months of the quarter under consideration
E _B	Index number of Monthly Whole Sale Price Index for the category ‘Explosive’ of (g). Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the base period.
E _Q	Index number of Monthly Whole Sale Price Index for the category ‘Explosive’ of (g). Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the average price index of 3 months of the quarter under consideration.
PM _B	Index Number of Wholesale Prices in India by Groups and Sub Groups (Averages) for ‘Manufacture of machinery for mining, quarrying and construction’– published in RBI (Reserve Bank of India) Bulletin, for the base period.
PM _Q	Index Number of Wholesale Prices in India by Groups and Sub Groups (Averages) for ‘Manufacture of machinery for mining, quarrying and construction’– published in RBI (Reserve Bank of India) Bulletin, for the average price index of 3 months of the quarter under consideration.
S _B	The average rate provided by the Joint Plant Committee for the relevant category of steel item as mentioned in Clause 46A.9; for the base period.
S _Q	The average rate provided by the Joint Plant Committee for the relevant category of steel item as mentioned in Clause 46A.9; for the 3 months of the quarter under consideration.
C _B	Index No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the base period
C _Q	No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the average price index of the 3 months of the quarter under consideration
R _T	IEEMA price index for Steel Blooms (size 150mmx150mm) for the month which is two months prior to date of inspection of material.
R _O	IEEMA price index for Steel Blooms (size 150mmx150mm) for the month which is one month prior to date of opening of tender.

P _T	IEEMA price index for Copper wire rods for the month which is two months prior to date of inspection of material.
P ₀	IEEMA price index for Copper wire rods for the month which is one month prior to date of opening of tender.
Z _T	IEEMA price index for Zinc for the month which is two months prior to date of inspection of material
Z ₀	IEEMA price index for Zinc for the month which is one month prior to date of opening of tender
I _T	RBI wholesale price index for the sub-group “Insulators” for the month which is two months prior to date of inspection of material
I ₀	RBI wholesale price index for the sub-group “Insulators” for the month which is one month prior to date of opening of tender

(III) SIGNALING & TELECOMMUNICATION WORKS:

The following expressions and meanings are assigned to the value of the work done for signalling and telecommunication works:

SIGWK = Value of signalling works for a stage payment of the item signalling works;

INVSIG = Value of inventory for signalling works for a stage payment of the item inventory for signalling works;

INTGTESTSIG = Value of integrated testing and commission for signalling works of the Railway Project;

COMWK = Value of telecommunication works for a stage payment of the item telecommunication works;

INVCOM = Value of inventory for telecommunication works for a stage payment of the item inventory for telecommunication works; and

INTGTESTCOM = Value of integrated testing and commission for telecommunication works of the Railway Project.

(b) Price adjustment for changes in cost of signalling works and telecommunication works shall be paid in accordance with the following formula:

$$(i) \text{ VSIGWK} = 0.85 \text{ SIGWK} \times [\text{PELEX} \times (\text{ELEX}_i - \text{ELEX}_0) / \text{ELEX}_0 + \text{POFC} \times (\text{OFC}_i - \text{OFC}_0) / \text{OFC}_0 + \text{PLB} \times (\text{LB}_i - \text{LB}_0) / \text{LB}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0 + \text{S30C} \times (\text{P30C}_i - \text{P30C}_0) / \text{P30C}_0 + \text{S24C} \times (\text{P24C}_i - \text{P24C}_0) / \text{P24C}_0 + \text{S19C} \times (\text{P19C}_i - \text{P19C}_0) / \text{P19C}_0 + \text{S12C} \times (\text{P12C}_i - \text{P12C}_0) / \text{P12C}_0 + \text{S9C} \times (\text{P9C}_i - \text{P9C}_0) / \text{P9C}_0 + \text{S6C} \times (\text{P6C}_i - \text{P6C}_0) / \text{P6C}_0 + \text{S4C} \times (\text{P4C}_i - \text{P4C}_0) / \text{P4C}_0 + \text{S2C} \times (\text{P2C}_i - \text{P2C}_0) / \text{P2C}_0 + \text{S12C2.5} \times (\text{P12C2.5}_i - \text{P12C2.5}_0) / \text{P12C2.5}_0 + \text{S2C2.5} \times (\text{P2C2.5}_i - \text{P2C2.5}_0) / \text{P2C2.5}_0 + \text{S2C25} \times (\text{P2C25}_i - \text{P2C25}_0) / \text{P2C25}_0 + \text{QC} \times (\text{PQC}_i - \text{PQC}_0) / \text{PQC}_0];$$

$$(ii) \text{ VINVSIG} = 0.85 \text{ SIGWK} \times [\text{PELEX} \times (\text{ELEX}_i - \text{ELEX}_0) / \text{ELEX}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0];$$

$$(iii) \text{ VINTGTESTSIG} = 0.85 \text{ INTGTESTSIG} \times [\text{PLB} \times (\text{LB}_i - \text{LB}_0) / \text{LB}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0];$$

$$(iv) \text{ VCOMWK} = 0.85 \text{ COMWK} \times [\text{PELEX} \times (\text{ELEX}_i - \text{ELEX}_0) / \text{ELEX}_0 + \text{POFC} \times (\text{OFC}_i - \text{OFC}_0) / \text{OFC}_0 + \text{PLB} \times (\text{LB}_i - \text{LB}_0) / \text{LB}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0 + \text{S30C} \times (\text{P30C}_i - \text{P30C}_0) / \text{P30C}_0 + \text{S24C} \times (\text{P24C}_i - \text{P24C}_0) / \text{P24C}_0 + \text{S19C} \times (\text{P19C}_i - \text{P19C}_0) / \text{P19C}_0 + \text{S12C} \times (\text{P12C}_i - \text{P12C}_0) / \text{P12C}_0 + \text{S9C} \times (\text{P9C}_i - \text{P9C}_0) / \text{P9C}_0 + \text{S6C} \times (\text{P6C}_i - \text{P6C}_0) / \text{P6C}_0 + \text{S4C} \times (\text{P4C}_i - \text{P4C}_0) / \text{P4C}_0 + \text{S2C} \times (\text{P2C}_i - \text{P2C}_0) / \text{P2C}_0 + \text{S12C2.5} \times (\text{P12C2.5}_i - \text{P12C2.5}_0) / \text{P12C2.5}_0 + \text{S2C2.5} \times (\text{P2C2.5}_i - \text{P2C2.5}_0) / \text{P2C2.5}_0 + \text{S2C25} \times (\text{P2C25}_i - \text{P2C25}_0) / \text{P2C25}_0 + \text{QC} \times (\text{PQC}_i - \text{PQC}_0) / \text{PQC}_0 + \text{PCEQP} \times (\text{CEQP}_i - \text{CEQP}_0) / \text{CEQP}_0];$$

$$(v) \text{ VINVCOM} = 0.85 \text{ SIGWK} \times [\text{PELEX} \times (\text{ELEX}_i - \text{ELEX}_0) / \text{ELEX}_0 + \text{PCEQP} \times (\text{CEQP}_i - \text{CEQP}_0) / \text{CEQP}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0];$$

$$(vi) \text{ VINTGTESTCOM} = 0.85 \text{ INTGTESTCOM} \times [\text{PLB} \times (\text{LB}_i - \text{LB}_0) / \text{LB}_0 + \text{POTH} \times (\text{OTH}_i - \text{OTH}_0) / \text{OTH}_0].$$

Where

VSIGWK = Increase or decrease in the cost of signalling works during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

VINVSIG = Increase or decrease in the cost of inventory for signalling during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

VINTGTESTSIG = Increase or decrease in the cost of integrated testing and commissioning of signalling works of the Railway Project during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

VCOMWK = Increase or decrease in the cost of communication works during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

VINVCOM = Increase or decrease in the cost of inventory for telecommunications works during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

VINTGTESTCOM = Increase or decrease in the cost of integrated testing and commissioning of telecommunication works of the Railway Project during the period under consideration due to changes in the rates for relevant components as specified in sub-paragraph (h);

PCEQP, PELEX, PIC, PLB, POFC, and POTH are the percentages of communication equipment, electronics, PVC insulated cables, labour, optical fibre cables, and other materials respectively;

CEQP_o = The wholesale price index as published by the Ministry of Commerce and Industry, Government of India (hereinafter called “WPI”) for communication equipment for the month of the Base Month;

CEQP_i = The WPI for communication equipment for the average price index of the 3 months of the quarter under consideration;

ELEX_o = The WPI for electronics for the month of the Base Month;

ELEX_i = The WPI for electronics for the average price index of the 3 months of the quarter under consideration;

P30C_i = Price payable per Km as adjusted in accordance with price variation Clause for size 30C x 1.5 sq mm signalling cable

P30C_o = Price per Km of cable as per purchase order/ Contract agreement.

S30C = Percentage of size 30C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

P24C_i = Price payable per Km as adjusted in accordance with price variation Clause for size 24C x 1.5 sq mm signalling cable

P24C_o = Price per Km of cable as per purchase order/ Contract agreement.

S24C = Percentage of size 24C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

P19C_i = Price payable per Km as adjusted in accordance with price variation Clause for size 19C x 1.5 sq mm signalling cable

P19C_o = Price per Km of cable as per purchase order/ Contract agreement.

S19C = Percentage of size 19C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

P12C_i = Price payable per Km as adjusted in accordance with price variation Clause for size 12C x 1.5 sq mm signalling cable

P12C_o = Price per Km of cable as per purchase order/ Contract agreement.

S12C = Percentage of size 12C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

P9C_i = Price payable per Km as adjusted in accordance with price variation Clause for size 9C x 1.5 sq mm signalling cable

P9C_o = Price per Km of cable as per purchase order/ Contract agreement.

S9C = Percentage of size 9C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P6C_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 6C x 1.5 sq mm signalling cable

$P6C_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S6C$ = Percentage of size 6C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P4C_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 4C x 1.5 sq mm signalling cable

$P4C_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S4C$ = Percentage of size 4C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P2C_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 2C x 1.5 sq mm signalling cable

$P2C_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S2C$ = Percentage of size 2C x 1.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P12C2.5_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 12C x 2.5 sq mm signalling cable

$P12C2.5_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S12C2.5$ = Percentage of size 12C x 2.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P2C2.5_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 2C x 2.5 sq mm signalling cable

$P2C2.5_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S2C2.5$ = Percentage of size 2C x 2.5 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

$P2C25_i$ = Price payable per Km as adjusted in accordance with price variation Clause for size 2C x 25 sq mm signalling cable

$P2C25_o$ = Price per Km of cable as per purchase order/ Contract agreement.

$S2C25$ = Percentage of size 2C x 25 sq mm signalling cable shall govern the price adjustment of the contract price for signalling and telecommunication works.

PQC_i = Price payable per Km as adjusted in accordance with price variation Clause for size 0.9mm dia, 6 Quad cable.

PQC_o = Price per Km of cable as per purchase order/ Contract agreement.

QC = Percentage of size 0.9mm dia, 6 Quad cable shall govern the price.

LBo = The consumer price index for industrial workers – All India, published by Labour Bureau, Ministry of Labour, Government of India, (hereinafter called “CPI”) for the month of the Base Month;

LBi = The CPI for industrial workers – All India for the average price index of the 3 months of the quarter under consideration;

OFC_o = The WPI for fibre cables for the month of the Base Month;

OFC_i = The WPI for fibre cables for the average price index of the 3 months of the quarter under consideration;

OTH_o = The WPI for all commodities for the month of the Base Month; and

OTH_i = The WPI for all commodities for the average price index of the 3 months of the quarter under consideration.

(c) The following percentages shall govern the price adjustment of the Contract Price for signalling and telecommunication works:

Works Component	Signalling			Telecommunication		
	Signalling Works	Signalling inventory	Integrated testing and Commissioning	Telecommunication Works	Telecomm inventory	Integrated testing and Commissioning
Electronics (PELEX)	***%	***%	-	***%	***%	-
Communication Equipment (PCEQP)	-	-	-	***%	***%	-
Optical Fibre Cable (POFC)	***%	-	-	***%	-	-
30C x 1.5 sq mm signalling cable(S30C)	***%	-	-	***%	-	-
24C x 1.5 sq mm signalling cable (S24C)	***%	-	-	***%	-	-
19Cx 1.5 sq mm signalling cable (S19C)	***%	-	-	***%	-	-
12C x 1.5 sq mm signalling cable (S12C)	***%	-	-	***%	-	-
9C x 1.5 sq mm signalling cable (S9C)	***%	-	-	***%	-	-
6C x 1.5 sq mm signalling cable (S6C)	***%	-	-	***%	-	-
4C x 1.5 sq mm signalling cable (S4C)	***%	-	-	***%	-	-
2C x 1.5 sq mm signalling cable (S2C)	***%	-	-	***%	-	-
12C x 2.5 sq mm signalling cable (S12C2.5)	***%	-	-	***%	-	-
2C x 2.5 sq mm signalling cable (S2C2.5)	***%	-	-	***%	-	-
2C x 25 sq mm signalling cable (S2C25)	***%	-	-	***%	-	-
0.9 mm dia, 6Quad cable (QC)	***%	-	-	***%	-	-
Labour (PLB)	***%	-	***%	***%	***%	***%
Other materials	***%	***%	***%	***%	***%	***%

Total	100 %	100 %	100 %	100 %	100 %	100%
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(Note- the percentages may be finalized by tendering authority depending on BOQ)

FORMULAE FOR SIGNALING & TELECOM CABLE

The price payable for signalling cables is variable as per Price Variation Formula given below:

For Signalling Copper Cables:

$$P_i = P_o + CuF (Cu - Cu_o) + CCFcu(CC - CCo) + FeF (Fe - Fe_o)$$

For Telecom Copper Cables For Jelly Filled, 0.9 mm dia, 6 quad cable

$$P_i = P_o + CuF (Cu - Cu_o) + AlFcu(Al - Alo) + CCFcu (CC - CCo) + FeF (Fe - Fe_o)$$

For Aluminium Power Cables:

$$P_i = P_o + AlF (Al - Alo) + CCFAl(CC - CCo) + FeF (Fe - Fe_o)$$

Where,

P_i = Price payable per KM as adjusted in accordance with Price variation clause.

P_o = Price per KM of cable as per Purchase order.

CuF = Variation factor for Copper

Cu_o = Price of copper Rod in Rs. Per MT

$CCFCu$ = Variation factor for PVC Compound for Copper Signalling & Telecom cable

CCo = Price of PVC Compound in Rs. Per MT

AlF = Variation factor for Aluminium

Alo = Price of EC grade LME Aluminium rods (Properzi rods) in Rs. Per MT.

$CCFAl$ = Variation factor for PVC Compound for Aluminium power cable

FeF = Variation factor for Steel

Fe_o = Price of Steel for Armour (Flat strip 4 mm. x 0.8mm/ Round 1.4mm dia) in Rs. Per MT

(Prices per MT for Cu_o , CCo , Fe_o , Alo as applicable on the 1st working day of the month, one month prior to the deadline for submission of bids. The above prices and indices are as published by IEEMA vide circular reference no. IEEMA (PVC) /CABLE --/--/-- one month prior to the deadline for submission of bids.)

Cu = Price of Copper Rod in Rs. Per MT.

C_c = Price of PVC Compound in Rs. Per MT.

Fe = Price of Steel for Armouring (Flat strip 4mm x 0.8 mm/ Round 1.4mm dia) in Rs. Per MT.

Al = Price of EC grade LME Aluminium rods (Properzi rods) in Rs. Per MT.

(Prices per MT for Cu , CC , Fe , Al as prevailing on 1st working day of the calendar month covering the date One month prior to the date of inspection call letter will be applicable for the calculation of updated price. The above prices and indices are as published by IEEMA vide circular reference no. IEEMA (PVC) /CABLE --/--/-- one month prior to the date of inspection.)

The value of variation factors for copper, steel and PVC Compound are different for different sizes of signalling cables. Accordingly, the PVC formula for some of the types of signalling cable is as given under:-

Underground Railway Signalling Cable unscreened and armoured copper conductor

Size 30 C x 1.5 sq.mm.

$$P30C_i = P30C_o + 0.391(Cu - C_{uo}) + 0.557(CC - CCo) + 0.425(Fe - Fe_o)$$

For armouring, price of steel flat strip of size 4mmx0.8mm is to be taken into consideration.

Size 24C x 1.5 sq.mm

$$P24C_i = P24C_o + 0.313(Cu - C_{uo}) + 0.481(CC - CCo) + 0.398(Fe - Fe_o)$$

For armouring, value of steel flat strip of size 4mmx0.8mm is to be taken into consideration.

Size 19C x 1.5 sq.mm

$$P19C_i = P19C_o + 0.248(Cu - C_{uo}) + 0.395(CC - CCo) + 0.343(Fe - Fe_o)$$

For armouring, value of steel flat strip of size 4mmx0.8mm is to be taken into consideration.

Size 12C x 1.5 sq.mm

$$P12C_i = P12C_o + 0.157(Cu - C_{uo}) + 0.277(CC - CCu) + 0.289(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 9C x 1.5 sq.mm

$$P9C_i = P9C_o + 0.117(Cu - C_{uo}) + 0.241(CC - CCu) + 0.383(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 6Cx 1.5 sq.mm

$$P6C_i = P6C_o + 0.078(Cu - C_{uo}) + 0.199(CC - CCu) + 0.329(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 4Cx1.5 sq.mm

$$P4C_i = P4C_o + 0.052(Cu - C_{uo}) + 0.152(CC - CCo) + 0.277(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 2C x 4 sq.mm(multistrand)

$$P2C_i = P2C_o + 0.073(Cu - C_{uo}) + 0.156(CC - CCo) + 0.3(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 12C x 2.5 sq.mm

$$P12C2.5_i = P12C2.5_o + 0.282(Cu - C_{uo}) + 0.371(CC - CCo) + 0.342(Fe - Fe_o)$$

For armouring, value of steel flat strip of size 4mmx0.8mm is to be taken into consideration.

Size 2C x 2.5 sq.mm

$$P2C2.5_i = P2C2.5_o + 0.047(Cu - C_{uo}) + 0.139(CC - CCo) + 0.277(Fe - Fe_o)$$

For armouring, value of steel wire size 1.4mm dia is to be taken into consideration.

Size 2C x 25 sq.mm PVC insulated, armoured, Aluminium power cable

$$P2C25_i = P2C25_o + 0.146(Al - A_{lo}) + 0.303(CC - CCo) + 0.306(Fe - Fe_o)$$

For armouring, value of steel flat strip of size 4mmx0.8mm is to be taken into consideration.

For Jelly filled, 0.9mm dia, 6 quad cable

$$PQC_i = PQC_o + 0.135(Al - A_{lo}) + 0.139(Cu - C_{uo}) + 0.515(CC - CCo) + 0.693(Fe - Fe_o)$$

For PVC Compound Grade CW-22, is to be taken into consideration.

46A.8 The demands for escalation of cost shall be allowed on the basis of provisional indices as mentioned above in Clause 46A.7. Any adjustment needed to be done based on the finally published indices shall be made as and when they become available.

46A.9(1) Relevant categories of steel for the purpose of operating Price Variation formula as mentioned in this Clause shall be as under:

SL	Classification	Rates to be used for calculating S_Q or S_B
1.	Reinforcement bars and other rounds	Average of per tonne rates of 10mm dia TMT & 25mm dia TMT; confirming IS1786; Fe 500
2.	All types and sizes of angles, channels and joists	Average of per tonne rates of 'Angle 75x75x6mm, Mild Steel Plate 10mm thickness and Channel 150x75mm; confirming IS2062, E250 Gr "A"
3.	All types and sizes of plates	Average of per tonne rates of 'MS Plates 10mm thickness and 25mm thickness; confirming IS2062, E250 Gr "A"
4.	Any other section of steel not covered in the above categories	Average of price for the 3 categories covered under SL 1, 2 & 3 in this table.

(2). Relevant city for referring "JPC (Joint Plant Committee)" rates of steel items (S_Q / S_B) in different Zonal Railways shall be as under :

SL	City	Railway
1.	Delhi	Northern , North Central, North Eastern, North Western
2.	Kolkata	Eastern, East Central, East Coast, Northeast Frontier, South Eastern, Southeast Central
3.	Mumbai	Central, Western, West Central
4.	Chennai	Southern, South Central&South Western

46A.10 Price Variation during Extended Period of Contract

The price adjustment as worked out above, i.e. either increase or decrease shall be applicable upto the stipulated date of completion of work including the extended period of completion where such extension has been granted under Clause 17-A of the Standard General Conditions of Contract.

However, where extension of time has been granted due to Contractor's failure under Clause 17-B of the Standard General Conditions of Contract, price adjustment shall be done as follows:

- a)** In case the indices increase above the indices applicable to the last month of original completion period or the extended period under Clause 17-A, the price adjustment for the period of extension granted under Clause 17-B shall be limited to the amount payable as per the Indices applicable to the last month of the original completion period or the extended period under Clause 17-A of the Standard General Conditions of Contract; as the case may be.

b) In case the indices fall below the indices applicable to the last month of original/ extended period of completion under Clause 17-A, as the case may be; then the lower indices shall be adopted for the price adjustment for the period of extension under Clause 17-B of the Standard General Conditions of Contract.

47. Maintenance of Works: The Contractor shall at all times during the progress and continuance of the works and also for the period of maintenance specified in the Tender Form after the date of issue of the certificate of completion by the Engineer or any other earlier date subsequent to the completion of the works that may be fixed by the Engineer, be responsible for and effectively maintain and uphold in good substantial, sound and perfect condition all and every part of the works and shall make good from time to time and at all times as often as the Engineer shall require, any damage or defect that may during the above period arise in or be discovered or be in any way connected with the works, provided that such damage or defect is not directly caused by errors in the contract documents, act of providence or insurrection or civil riot, and the Contractor shall be liable for and shall pay and make good to the Railway or other persons legally entitled thereto whenever required by the Engineer so to do, all losses, damages, costs and expenses they or any of them may incur or be put or be liable to by reasons or in consequence of the operations of the Contractor or of his failure in any respect.

48. (1) Certificate of Completion of Works: As soon as in the opinion of the Engineer, the work has been completed and has satisfactorily passed any final test or tests that may be prescribed, the Engineer shall issue a certificate of completion duly indicating the date of completion in respect of the work and the period of maintenance of the work shall commence from the date of completion mentioned in such certificate. The certificate, inter alia, should mention that the work has been completed in all respects and that all the contractual obligations have been fulfilled by the Contractor and that there is no due from the Contractor to Railways against the contract concerned. The Engineer may also issue such a certificate indicating date of completion with respect to any part of the work (before the completion of the whole of work), which has been both completed to the satisfaction of the Engineer and occupied or used by the Railway. When any such certificate is given in respect of part of a work, such part shall be considered as completed and the period of maintenance of such part shall commence from the date of completion mentioned in the completion certificate issued for that part of the work.

48. (2) Contractor not Absolved by Completion Certificate: The Certificate of Completion in respect of the works referred to in Sub-Clause (1) of this Clause shall not absolve the Contractor from his liability to make good any defects, imperfections, shrinkages or faults which may appear during the period of maintenance specified in the tender arising in the opinion of the Engineer from materials or workmanship not in accordance with the drawings or specifications or instruction of the Engineer, which defects, imperfections, shrinkages or faults shall upon the direction in writing of the Engineer be amended and made good by the Contractor at his own cost; and in case of default on the part of Contractor, the Engineer may employ labour and materials or appoint another Contractor to amend and make good such defects, imperfections, shrinkages and faults and all expenses consequent thereon and incidental thereto shall be borne by the Contractor and shall be recoverable from any moneys due to him under the contract.

48 (3) Final Supplementary Agreement: After the work is completed or otherwise concluded by the parties with mutual consent, and taken over by the Railway as per terms and conditions of the contract agreement, and there

is unequivocal no claim on either side under the Contract other than as mentioned in item 4 of Annexure XIV, the parties shall execute the Final Supplementary Agreement as per Annexure XIV.

49. Approval only by Maintenance Certificate: No certificate other than Maintenance Certificate, if applicable, referred to in Clause 50 of the Conditions shall be deemed to constitute approval of any work or other matter in respect of which it is issued or shall be taken as an admission of the due performance of the contract or any part thereof.

50. (1) Maintenance Certificate: The Contract shall not be considered as completed until a Maintenance Certificate, if applicable, shall have been signed by the Engineer stating that the works have been completed and maintained to his satisfaction. The Maintenance Certificate shall be given by the Engineer upon the expiration of the period of maintenance or as soon thereafter as any works ordered during such period pursuant to Sub Clause (2) to Clause 48 of these Conditions shall have been completed to the satisfaction of the Engineer, and full effect shall be given to this Clause notwithstanding the taking possession of or using the works or any part thereof by the Railway.

The Competent Authority to issue above Maintenance Certificate shall normally be the authority who is competent to sign the contract. If this Competent Authority is of the rank lower than JA Grade, then a JA Grade Officer (concerned with the work) should issue the Certificate. The Certificate, inter alia, should mention that the work has been completed in all respects and that all the contractual obligations have been fulfilled by the Contractor and that there is no due from the Contractor to Railways against the contract concerned

50. (2) Cessation of Railway's Liability: The Railway shall not be liable to the Contractor for any matter arising out of or in connection with the contract for execution of the works unless the Contractor has made a claim in writing in respect thereof before the issue of the Maintenance Certificate under this clause.

50.(3) Unfulfilled Obligations: Notwithstanding the issue of the Maintenance Certificate the Contractor and (subject to Sub-Clause (2) of this Clause) the Railway shall remain liable for the fulfillment of any obligation incurred under the provision of the contract prior to the issue of the Maintenance Certificate which remains unperformed at the time such Certificate is issued and for the purposes of determining the nature and extent of any such obligations, the contract shall be deemed to remain in force between the parties thereto.

51.(1) Final Payment: On the Engineer's certificate of completion in respect of the works, adjustment shall be made and the balance of account based on the Engineer or the Engineer's representative's certified measurements or Engineer's certified "contractor's authorized engineer's measurements" of the total quantity of work executed by the Contractor up to the date of completion and on the rates accepted in Bill(s) of Quantities and for extra works on rates determined under Clause 39 of these Conditions shall be paid to the Contractor subject always to any deduction which may be made under these presents and further subject to the Contractor having signed delivered to the Engineer enclosing either a full account in detail of all claims he may have on the Railway in respect of the works or having delivered No Claim Certificate and the Engineer having after the receipt of such account given a certificate in writing that such claims are not covered under excepted matter i.e.. Clauses 7(j), 8, 18, 22(5), 39.1, 39.2, 40A, 43(2), 45(i)(a), 55, 55-A(5), 57, 57A, 61(1), 61(2) and 62(1), 63(iv) and 63.2.11 of the Standard General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract, that the whole of the works to be done under the provisions of the Contracts have been completed, that they have been inspected by him since their completion and found to be in good and substantial order, that all properties, works and things, removed,

disturbed or injured in consequence of the works have been properly replaced and made good and all expenses and demands incurred by or made upon the Railway for or in the respect of damage or loss by from or in consequence of the works, have been satisfied agreeably and in conformity with the contract.

51.(2) Post Payment Audit: It is an agreed term of contract that the Railway reserves to itself the right to carry out a post-payment audit and/ or technical examination of the works and the Final Bill including all supporting vouchers, abstracts etc. and to make a claim on the Contractor for the refund of any excess amount paid to him till the release of security deposit or settlement of claims, whichever is later, if as a result of such examination any over-payment to him is discovered to have been made in respect of any works done or alleged to have been done by him under the contract.

51-A. Production of Vouchers etc. by the Contractor:

- (i) For a contract of more than one crore of rupees, the Contractor shall, whenever required, produce or cause to be produced for examination by the Engineer any quotation, invoice, cost or other account, book of accounts, voucher, receipt, letter, memorandum, paper of writing or any copy of or extract from any such document and also furnish information and returns verified in such manner as may be required in any way relating to the execution of this contract or relevant for verifying or ascertaining cost of execution of this contract (the decision of the Engineer on the question of relevancy of any documents, information or return being final and binding in the parties). The Contractor shall similarly produce vouchers etc., if required to prove to the Engineer, that materials supplied by him, are in accordance with the specifications laid down in the contract.
- (ii) If any portion of the work in a contract of value more than one crore of rupees be carried out by a sub-contractor or any subsidiary or allied firm or company (as per Clause 7 of the Standard General Conditions of Contract), the Engineer shall have power to secure the books of such sub-contractor or any subsidiary or allied firm or company, through the Contractor, and such books shall be open to his inspection.
- (iii) The obligations imposed by Sub Clause (i) & (ii) above is without prejudice to the obligations of the Contractor under any statute rules or orders binding on the Contractor.

52. Withholding and Lien in Respect of Sums Claimed: Whenever any claim or claims for payment of a sum of money arises out of or under the contract against the Contractor, the Railway shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any, deposited by the Contractor and for the purpose aforesaid, the Railway shall be entitled to withhold the said cash Security Deposit or the Security if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the Contractor, the Railway shall be entitled to withhold and have a lien to the extent of the such claimed amount or amounts referred to supra, from any sum or sums found payable or which at any time thereafter may become payable to the Contractor under the same contract or any other contract with this or any other Railway or any Department of the Central Government pending finalization or adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above, by the Railway will be kept withheld or retained as such by the Railways till the claim arising out of or

under the contract is determined by the arbitrator (if the contract governed by the Arbitration Clause) or by the competent court as the case may be and that the Contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to supra and duly notified as such to the Contractor. For the purpose of this clause, where the Contractor is a partnership firm or a company, the Railway shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner / company, as the case may be whether in his individual capacity or otherwise.

52-A Lien in Respect of Claims in other Contracts:

(i) Any sum of money due and payable to the Contractor (including the Security Deposit returnable to him) under the contract may be withheld or retained by way of lien by the Railway, against any claim of this or any other Railway or any other Department of the Central Government in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with this or any other Department of the Central Government.

(ii) However, recovery of claims of Railway in regard to terminated contracts may be made from the Final Bill, Security Deposits and Performance Guarantees of other contract or contracts, executed by the Contractor. The Performance Guarantees submitted by the Contractor against other contracts, if required, may be withheld and encashed. In addition, 10% of each subsequent 'on-account bill' may be withheld, if required, for recovery of Railway's dues against the terminated contract.

(iii) It is an agreed term of the contract that the sum of money so withheld or retained under this Clause by the Railway will be kept withheld or retained as such by the Railway till the claim arising out of or under any other contract is either mutually settled or determined by arbitration, if the other contract is governed by Arbitration Clause or by the competent court as the case may be and Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this Clause and duly notified as such to the Contractor.

53. Signature on Receipts for Amounts: Every receipt for money which may become payable or for any security which may become transferable to the Contractors under these presents, shall, if signed in the partnership name by anyone of the partners of a Contractor's firm be a good and sufficient discharge to the Railway in respect of the moneys or security purported to be acknowledged thereby and in the event of death of any of the Contractor, partners during the pendency of the contract, it is hereby expressly agreed that every receipt by anyone of the surviving Contractor partners shall if so signed as aforesaid be good and sufficient discharge as aforesaid provided that nothing in this Clause contained shall be deemed to prejudice or effect any claim which the Railway may hereafter have against the legal representative of any Contractor partner so dying for or in respect to any breach of any of the conditions of the contract, provided also that nothing in this clause contained shall be deemed to prejudice or effect the respective rights or obligations of the Contractor partners and of the legal representatives of any deceased Contractor partners inter se.

LABOUR

54. Wages to Labour: The Contractor shall be responsible to ensure compliance with the provision of the Minimum Wages Act, 1948 (hereinafter referred to as the “said Act”) and the Rules made thereunder in respect of any employees directly or through petty Contractors or sub-contractors employed by him for the purpose of carrying out this contract.

If, in compliance with the terms of the contract, the Contractor supplied any labour to be used wholly or partly under the direct orders and control of the Railways whether in connection with any work being executed by the Contractor or otherwise for the purpose of the Railway such labour shall, for the purpose of this Clause, still be deemed to be persons employed by the Contractor.

If any moneys shall, as a result of any claim or application made under the said Act be directed to be paid by the Railway, such money shall be deemed to be moneys payable to the Railway by the Contractor and on failure by the Contractor to repay the Railway any moneys paid by it as aforesaid within seven days after the same shall have been demanded, the Railways shall be entitled to recover the same from Contractor’s bills/Security Deposit or any other dues of Contractor with the Government of India.

54-A. Apprentices Act: The Contractor shall be responsible to ensure compliance with the provisions of the Apprentices Act, 1961 and the Rules and Orders issued thereunder from time to time in respect of apprentices directly or through petty Contractors or sub-contractors employed by him for the purpose of carrying out the Contract.

If the Contractor directly or through petty Contractors or sub-contractors fails to do so, his failure will be a breach of the contract and the Railway may, in its discretion, rescind the contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation of the provisions of the Act.

55. Provisions of Payments of Wages Act: The Contractor shall comply with the provisions of the Payment of Wages Act, 1936 and the rules made thereunder in respect of all employees employed by him either directly or through petty Contractors or sub-contractors in the works. If in compliance with the terms of the contract, the Contractor directly or through petty Contractors or sub-contractors shall supply any labour to be used wholly or partly under the direct orders and control of the Engineer whether in connection with the works to be executed hereunder or otherwise for the purpose of the Engineer, such labour shall nevertheless be deemed to comprise persons employed by the Contractor and any moneys which may be ordered to be paid by the Engineer shall be deemed to be moneys payable by the Engineer on behalf of the Contractor and the Engineer may on failure of the Contractor to repay such money to the Railways deduct the same from any moneys due to the Contractor in terms of the contract. The Railway shall be entitled to recover the same from Contractor’s bills/Security Deposit or any other dues of Contractor with the Government of India all moneys paid or payable by the Railway by way of compensation of aforesaid or for costs of expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this Clause shall be final and binding upon the Contractor.

55-A. Provisions of Contract Labour (Regulation and Abolition) Act, 1970:

- 55-A. (1)** The Contractor shall comply with the provision of the contract labour (Regulation and Abolition) Act, 1970 and the Contract labour (Regulation and Abolition) Central Rules 1971 as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and the Rules.
- 55-A (2)** The Contractor shall obtain a valid license under the aforesaid Act as modified from time to time before the commencement of the work and continue to have a valid license until the completion of the work. Any failure to fulfill the requirement shall attract the penal provision of the Act.
- 55-A (3)** The Contractor shall pay to the labour employed by him directly or through sub-contractors the wages as per provision of the aforesaid Act and the Rules wherever applicable. The Contractor shall notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour, indirectly engaged on the works including any engaged by sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- 55-A (4)** In respect of all labour directly or indirectly employed in the work for performance of the Contractor's part of the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and Rules wherever applicable.
- 55-A (5)** In every case in which, by virtue of the provisions of the aforesaid Act or the rules, the Railway is obliged to pay any amount of wages to a workman employed by the Contractor or his sub-contractor in execution of the work or to incur any expenditure on account of the contingent liability of the Railway due to the Contractor's failure to fulfill his statutory obligations under the aforesaid Act or the rules, the Railway will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred and without prejudice to the rights of the Railway under the Section 20, Sub-Section (2) and Section 2, Sub-Section (4) of the aforesaid Act, the Railway shall be at liberty to recover such amount or part thereof from Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India. The Railway shall not be bound to contest any claim made against it under Sub-Section (1) of Section 20 and Sub-Section (4) of Section 21 of the aforesaid Act except on the written request of the Contractor and upon his giving to the Railway full security for all costs for which the Railway might become liable in contesting such claim. The decision of the Chief Engineer regarding the amount actually recoverable from the Contractor as stated above shall be final and binding on the Contractor.

55-B. Provisions of Employees Provident Fund and Miscellaneous Provisions Act, 1952:

The Contractor shall comply with the provisions of Para 30 & 36-B of the Employees Provident Fund Scheme, 1952; Para 3 & 4 of Employees' Pension Scheme, 1995; and Para 7 & 8 of Employees Deposit Linked Insurance Scheme, 1976; as modified from time to time through enactment of "Employees Provident Fund & Miscellaneous Provisions Act, 1952", wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and the Rules.

- 55.C** (i) Contractor is to abide by the provisions of various labour laws in terms of above clause 54, 55, 55-A and 55-B of Indian Railways Standard General Conditions of Contract. In order to ensure the same, an application has been developed and hosted on website 'www.shramikkalyan.indianrailways.gov.in'. Contractor shall register his

firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The registration/updation in Portal shall be done as under:

- (a) Contractor shall apply for onetime registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Engineer shall approve the contractor's registration in the portal within 7 days of receipt of such request.
 - (b) Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all Letter of Acceptances (LoAs) issued in his favour.
 - (c) The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoAs) /Contract Agreements on shramikkalyan portal within 15 days of issue of any LoA for approval of concerned Engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.
 - (d) After approval of LoA by Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on shramikkalyan portal on monthly basis.
 - (e) It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour & payments made thereof after each wage period.
- (ii) While processing payment of any 'On Account Bill' or 'Final Bill' or release of 'Advances' or 'Performance Guarantee / Security deposit', contractor shall submit a certificate to the Engineer or Engineer's representatives that "I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in Railway's Shramikkalyan portal at 'www.shramikkalyan.indianrailways.gov.in' till __Month, __Year."

55-D. Provisions of "The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996" and "The Building and Other Construction Workers' Welfare Cess Act, 1996":

The tenderers, for carrying out any construction work, shall get themselves registered with the Registering Officer under Section-7 of the Building and Other Construction Workers Act, 1996 and Rules made thereto by the concerned State Govt., and submit Certificate of Registration issued by Registering Officer of the concerned State Govt. (Labour Dept.). The Cess shall be deducted from contractor's bills as per provisions of the Act.

56. Reporting of Accidents: The Contractor shall be responsible for the safety of all employees directly or through petty Contractors or sub-contractor employed by him on the works and shall report serious accidents to any of them however and wherever occurring on the works to the Engineer or the Engineers Representative and shall make every arrangements to render all possible assistance.

57. Provision of Workmen's Compensation Act: In every case in which by virtue of the provisions of Section 12 Sub-Section (1) of the Workmen's Compensation Act 1923, Railway is obliged to pay compensation to a workman directly or through petty Contractor or sub-contractor employed by the Contractor in executing the work, Railway will recover from the Contractor the amount of the compensation so paid, and, without prejudice to the rights of Railway under Section 12 Sub-section (2) of the said Act, Railway shall be at liberty to recover such amount or any part thereof from Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India. Railway shall not be bound to contest any claim made against it

under Section 12 Sub-Section (1) of the said Act except on the written request of the Contractor and upon his giving to Railway full security for all costs for which Railway might become liable in consequence of contesting such claim.

57-A. Provision of Mines Act: The Contractor shall observe and perform all the provisions of the Mines Act, 1952 or any statutory modifications or re-enactment thereof for the time being in force and any rules and regulations made thereunder in respect of all the persons directly or through the petty Contractors or sub-contractors employed by him under this contract and shall indemnify the Railway from and against any claims under the Mines Act, or the rules and regulations framed thereunder, by or on behalf of any persons employed by him or otherwise.

58. Railway not to Provide Quarters for Contractors: No quarters shall normally be provided by the Railway for the accommodation of the Contractor or any of his staff employed on the work. In exceptional cases where accommodation is provided to the Contractor at the Railway's discretion, recoveries shall be made at such rates as may be fixed by the Railway for the full rent of the buildings and equipments therein as well as charges for electric current, water supply and conservancy.

59.(1) Labour Camps: The Contractor shall at his own expense make adequate arrangements for the housing, supply of drinking water and provision of latrines and urinals for his staff and workmen, directly or through the petty Contractors or sub-contractors and for temporary creche (Bal-Mandir) where 50 or more women are employed at a time. Suitable sites on Railway land, if available, may be allotted to the Contractor for the erection of labour camps, either free of charge or on such terms and conditions that may be prescribed by the Railway. All camp sites shall be maintained in clean and sanitary conditions by the Contractor at his own cost.

59.(2) Compliance to Rules for Employment of Labour: The Contractor(s) shall conform to all laws, bye-laws rules and regulations for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through petty contractors or sub-contractors on the works.

59.(3) Preservation of Peace: The Contractor shall take requisite precautions and use his best endeavours to

- i. Prevent any riotous or unlawful behaviour by or amongst his workmen and other employed directly or through the petty Contractors or sub-contractors on the works and for the preservation of peace and protection of the inhabitants and
- ii. Security of property in the neighbourhood of the works. In the event of the Railway requiring the maintenance of a Special Police Force at or in the vicinity of the site during the tenure of works, the expenses thereof shall be borne by the Contractor and if paid by the Railway shall be recoverable from the Contractor.

59.(4) Sanitary Arrangements: The Contractor shall obey all sanitary rules and carry out all sanitary measures that may from time to time be prescribed by the Railway Medical Authority and permit inspection of all sanitary arrangements at all times by the Engineer, the Engineer's Representative or the Medical Staff of the Railway. Should the Contractor fail to make the adequate sanitary arrangements, these will be provided by the Railway and the cost thereof recovered from the Contractor.

- 59.(5) Outbreak of Infectious Disease:** The Contractor shall remove from his camp such labour and their families as refuse protective inoculation and vaccination when called upon to do so by the Engineer or the Engineer's Representative on the advice of the Railway Medical Authority. Should cholera, plague, or other infectious disease break out, the Contractor shall burn the huts, beddings, clothes and other belongings of or used by the infected parties and promptly erect new huts on healthy sites as required by the Engineer, failing which within the time specified in the Engineer's requisition, the work may be done by the Railway and the cost thereof recovered from the Contractor.
- 59.(6) Treatment of Contractor's Staff in Railway Hospitals:** The Contractor and his staff, other than labourers and their families requiring medical aid from the railway hospital and dispensaries will be treated as private patients and charged accordingly. The Contractors' labourers and their Families will be granted free treatment in railway hospitals and dispensaries where no other hospitals or dispensaries are available provided the Contractor pays the cost of medicines, dressing and diet money according to the normal scale and additional charges for special examinations such as pathological and bacteriological examination, X-Ray, etc. and for surgical operation.
- 59.(7) Medical Facilities at Site:** The Contractor shall provide medical facilities at the site as may be prescribed by the Engineer on the advice of the Railway Medical Authority in relation to the strength of the Contractor's resident staff and workmen.
- 59. (8) Use of Intoxicants:** The sale of ardent spirits or other intoxicating beverages upon the work or in any of the buildings, encampments or tenements owned, occupied by or within the control of the Contractor or any of his employees shall be forbidden and the Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.
- 59.(9) Restrictions on the Employment of Retired Engineers of Railway Services Within One Year of their Retirement:** The Contractor shall not, if he is a retired Government Engineer of Gazetted rank, himself engage in or employ or associate a retired Government Engineer of Gazetted rank, who has not completed one year from the date of retirement, in connection with this contract in any manner whatsoever without obtaining prior permission of the President and if the Contractor is found to have contravened this provision it will constitute a breach of contract and administration will be entitled to terminate the contract and forfeit his Performance Guarantee as well as Security Deposit.
- 60.(1) Non-Employment of Labourers below the age of 15:** The Contractor shall not employ children below the age of 15 as labourers directly or through petty Contractors or sub-contractors for the execution of work.
- 60.(2) Medical Certificate of Fitness for Labour:** It is agreed that the Contractor shall not employ a person above 15 and below 19 years of age for the purpose of execution of work under the contract unless a medical certificate of fitness in the prescribed form (Proforma at Annexure-VIII) granted to him by a certifying surgeon certifying that he is fit to work as an adult, is obtained and kept in the custody of the Contractor or a person nominated by him in this behalf and the person carries with him, while at work; a token giving a reference to such certificate. It is further agreed that the responsibility for having the adolescent examined medically at the time of appointment or periodically till he attains the age of 19 years shall devolve entirely on the Contractor

and all the expenses to be incurred on this account shall be borne by him and no fee shall be charged from the adolescent or his parent for such medical examination.

60.(3) Period of Validity of Medical Fitness Certificate: A certificate of fitness granted or renewed for the above said purposes shall be valid only for a period of one year at a time. The certifying surgeon shall revoke a certificate granted or renewed if in his opinion the holder of it, is no longer fit for work in the capacity stated therein. Where a certifying surgeon refuses to grant or renew a certificate or revoke a certificate, he shall, if so required by the person concerned, state his reasons in writing for doing so.

60.(4) Medical Re-Examination of Labourer: Where any official appointed in this behalf by the Ministry of Labour is of the opinion that any person employed in connection with the execution of any work under this contract in the age group 15 to 19 years is without a certificate of fitness or is having a certificate of fitness but no longer fit to work in the capacity stated in the certificate, he may serve on the Contractor, or on the person nominated by him in this regard, a notice requiring that such persons shall be examined by a certifying surgeon and such person shall not if the concerned official so directs, be employed or permitted to do any work under this contract unless he has been medically examined and certified that he is fit to work in the capacity stated in the certificate.

EXPLANATIONS:

1. Only Qualified Medical Practitioners can be appointed as "Certifying Surgeons" and the term "Qualified Medical Practitioners" means a person holding a qualification granted by an authority specified in the Schedule to the Indian Medical Degrees Act, 1916 (VII of 1916) or in the Schedule to the Indian Medical Council Act, 1933 (XXVII) of 1933.
2. The Certifying surgeon may be a medical officer in the service of State or Municipal Corporation.

DETERMINATION OF CONTRACT

61.(1) Right of Railway to Determine the Contract: The Railway shall be entitled to determine and terminate the contract at any time should, in the Railway's opinion, the cessation of work becomes necessary owing to paucity of funds or from any other cause whatever, in which case the value of approved materials at site and of work done to date by the Contractor will be paid for in full at the rate specified in the contract. Notice in writing from the Railway of such determination and the reasons therefor shall be conclusive evidence thereof.

61.(2) Payment on Determination of Contract: Should the contract be determined under sub clause (1) of this clause and the Contractor claims payment for expenditure incurred by him in the expectation of completing the whole of the work, the Railways shall admit and consider such claims as are deemed reasonable and are supported by vouchers to the satisfaction of the Engineer. The Railway's decision on the necessity and propriety of such expenditure shall be final and conclusive.

61.(3) The Contractor shall have no claim to any payment of compensation or otherwise, howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of determination of contract.

62.(1) Determination of Contract owing to Default of Contractor:

If the Contractor should:

- (i) Becomes bankrupt or insolvent, or
- (ii) Make an arrangement for assignment in favour of his creditors, or agree to carry out the contract under a Committee of Inspection of his creditors, or
- (iii) Being a Company or Corporation, go into liquidation (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), or
- (iv) Have an execution levied on his goods or property on the works, or
- (v) Assign the contract or any part thereof otherwise than as provided in Clause 7 of these Conditions, or
- (vi) Abandon the contract, or
- (vii) Persistently disregard the instructions of the Engineer, or contravene any provision of the contract, or
- (viii) Fail to adhere to the agreed programme of work by a margin of 10% of the stipulated period, or
- (ix) Fail to Execute the contract documents in terms of Para 8 of the Instructions to Tenderers.
- (x) Fails to submit the documents pertaining to identity of JV and PAN in terms of Clause 17.11 of Tender Form (Second Sheet) of Annexure I available in the Instructions to Tenderers.
- (xi) Fail to remove materials from the site or to pull down and replace work after receiving from the Engineer notice to the effect that the said materials or works have been condemned or rejected under Clause 25 and 27 of these Conditions, or
- (xii) Fail to take steps to employ competent or additional staff and labour as required under Clause 26 of the Conditions, or
- (xiii) Fail to afford the Engineer or Engineer's representative proper facilities for inspecting the works or any part thereof as required under Clause 28 of the Conditions, or
- (xiv) Promise, offer or give any bribe, commission, gift or advantage either himself or through his partner, agent or servant to any officer or employee of the Railway or to any person on his or on their behalf in relation to the execution of this or any other contract with this Railway.
- (xv) Fail to adhere to the provisions of Para 16 of Tender Form (Second Sheet) of Annexure I of the Instructions to Tenderers, or provision Clause 59(9) of these Conditions.
- (xvi) Submits copy of fake documents / certificates in support of credentials, submitted by the tenderer

Then and in any of the said Clause, the Engineer on behalf of the Railway may serve the Contractor with a notice (Proforma at Annexure-IX) in writing to that effect and if the Contractor does not within seven days after the delivery to him of such notice proceed to make good his default in so far as the same is capable of being made good and carry on the work or comply with such directions as aforesaid of the entire satisfaction of the Engineer, the Railway shall be entitled after giving 48 hours' notice (Proforma at Annexure-X or XII, as the case may be) in writing under the hand of the Engineer to rescind the contract as a whole or in part or parts (as may be

specified in such notice) and after expiry of 48 hours'notice, a final termination notice (Proforma at Annexure-XI or XIII, as the case may be) should be issued.

Note: Engineer at his discretion may resort to the part termination of contract with notices (Proforma at Annexure- IX, XII and XIII), only in cases where progress of work is more than or equal to 80% of the original scope of work.

62.(2) Right of Railway after Rescission of Contract owing to Default of Contractor: In the event of any or several of the courses, referred to in Sub-Clause(1) of this Clause, being adopted:

- a. The Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any commitments or made any advances on account of or with a view to the execution of the works or the performance of the contract and Contractor shall not be entitled to recover or be paid any sum for any work thereto for actually performed under the contract unless and until the Engineer shall have certified the performance of such work and the value payable in respect thereof and the Contractor shall only be entitled to be paid the value so certified.
- b. In the contract which has been rescinded as a whole, the Security Deposit already with railways under the contract shall be encashed/ forfeited and the Performance Guarantee already submitted for the contract shall be encashed. The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm. Further the authorized representative of failed Contractor cannot be accepted as authorized representative in new contract.
- c. In the contract rescinded in part or parts,
 - i. The full Performance Guarantee for the contract shall be recovered. No additional Performance Guarantee shall be required for balance of work being executed through the part terminated contract. The contract value of part terminated contract stands reduced to the balance value of work under the contract.
 - ii. The Security Deposit of part terminated contract shall be dealt as per clause 16(2) of these Conditions.
 - iii. The defaulting Contractor shall not be issued any completion certificate for the contract.
 - iv. The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.
 - v. Further the authorized representative of failed Contractor will not be accepted as authorized representative in new contract.
- d. The Engineer or the Engineer's Representative shall be entitled to take possession of any materials, tools, implements, machinery and buildings on the works or on the property on which these are being or ought to have been executed, and to retain and employ the same in the further execution of the works or any part

thereof until the completion of the works without the Contractor being entitled to any compensation for the use and employment thereof or for wear and tear or destruction thereof.

- e. The Engineer shall as soon as may be practicable after removal of the Contractor fix and determine ex-parte or by or after reference to the parties or after such investigation or enquiries as he may consider fit to make or institute and shall certify what amount (if any) had at the time of rescission of the contract been reasonably earned by or would reasonably accrue to the Contractor in respect of the work then actually done by him under the contract and what was the value of any unused, or partially used materials, any constructional plant and any temporary works upon the site. The legitimate amount due to the Contractor after making necessary deductions and certified by the Engineer should be released expeditiously.

SETTLEMENT OF DISPUTES – INDIAN RAILWAY ARBITRATION AND CONCILIATION RULES

63. Conciliation of Disputes:

- i. This clause is applicable in the tender having advertised value less than or equal to Rs 50 Crore.
- ii. All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the "Chief Engineer" or "Divisional Railway Manager" through "Notice of Dispute" provided that no such notice shall be served later than 30 days after the date of issue of Completion Certificate by the Engineer. Chief Engineer or Divisional Railway Manager shall, within 30 days after receipt of the Contractor's "Notice of Dispute", notify the name of conciliator(s) to the Contractor.
- iii. The Conciliator(s) shall assist the parties to reach an amicable settlement in an independent and impartial manner within the terms of contract.
- iv. If the parties reach agreement on a settlement of the dispute, they shall draw up and sign a written settlement agreement duly signed by Engineer In-charge, Contractor and conciliator(s). When the parties sign the settlement agreement, it shall be final and binding on the parties.
- v. The parties shall not initiate, during the conciliation proceedings, any arbitral or judicial proceedings in respect of a dispute that is the subject matter of the conciliation proceedings.
- vi. The conciliation proceedings shall be terminated as per Section 76 of 'The Arbitration and Conciliation Act, 1996.

63.1 Matters Finally Determined by the Railway: All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the GM and the GM shall, within 120 days after receipt of the Contractor's representation, make and notify decisions on all matters referred to by the Contractor in writing provided that matters for which provision has been made in Clauses 7(j), 8, 18, 22(5), 39.1, 39.2, 40A, 43(2), 45(i)(a), 55, 55-A(5), 57, 57A, 61(1), 61(2), 62(1), 63(iv) and 63.2.11 of Standard General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract, shall be deemed as 'excepted matters' (matters not arbitrable) and decisions of

the Railway authority, thereon shall be final and binding on the Contractor; provided further that 'excepted matters' shall stand specifically excluded from the purview of the Dispute Adjudication Board (DAB) and Arbitration.

63.2 Dispute Adjudication Board (DAB): This clause is applicable in the tender having advertised value more than Rs 50 Crore.

63.2.1 Any dispute/s if not settled with the Engineer, shall be referred to DAB.

The DAB shall consist of a panel of three Retired Railway Officers, retired not below senior administrative grade (SAG). The DAB shall be formed within 90 days of signing of Contract Agreement. For this purpose, a panel of DAB members shall be maintained in the General Manager's office. The complete panel, which shall not be less than five members, shall be sent by Chief Engineer to the Contractor to nominate one member of the DAB from the panel as Contractor's nominee within two weeks of receipt of the panel. On receipt of Contractor's nominee, the Chief Engineer shall nominate one member from the same panel as Railway nominee for the DAB. Both above nominees shall jointly select presiding member of the DAB from the same panel.

63.2.2 The appointment of DAB shall be effectuated by way of a tri-partite agreement among the Railway, Contractor and the respective DAB members. The terms of the remuneration of each member shall be as fixed by Ministry of Railways from time to time. Each party shall be responsible for paying one-half of this remuneration.

63.2.3 If one or more of the members appointed refuses to act as DAB member, or is unable or unwilling to perform his functions as DAB member for any reason whatsoever or dies or in the opinion of the Chief Engineer fails to act without undue delay, the parties shall terminate the mandate of such DAB member and thereupon new DAB member shall be appointed in the same manner, as the outgoing DAB member had been appointed.

63.2.4 The appointment of any member may be terminated by mutual agreement of both Parties, but not by the Railway or the Contractor acting alone. Unless otherwise agreed by both the Parties, the appointment of the DAB (including each member) shall expire upon expiry of this Contract Agreement.

63.2.5 Before start of DAB proceedings, each DAB member shall give the following certificate to the Railway and the Contractor:

"I have no any past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind. Further, I have no any past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality."

63.2.6 DAB proceedings shall be conducted as decided by the DAB. The DAB shall give its decision within 90 days of a Dispute referred to it by any of the Parties, duly recording the reasons before arriving at the decision. The DAB shall decide the issue within terms and conditions of the contract. This time limit shall be extendable subject to the Parties mutual agreement.

63.2.7 The DAB decision shall not be binding on both the Parties. In case any party is not satisfied by the decision of DAB, then the aggrieved party may approach Arbitral Tribunal for arbitration proceedings.

63.2.8 No dispute shall be referred to Arbitral Tribunal unless the same has been referred to DAB for adjudication. However, in case DAB is not formed due to any reason, the disputes can be directly referred to Arbitral Tribunal to adjudicate the dispute.

63.2.9 In the specific cases of any misconduct by any of the members of the DAB, the parties shall have the right to specifically bring it to the notice of the DAB such conduct, through a statement filed with necessary documents in

proof of such misconduct and the DAB, after taking NOTICE of such conduct initiate the replacement of the member concerned, in the same manner the member to be replaced was appointed.

63.2.10 Once the decision is given by DAB, DAB cannot review the decision at its own or on the request of one party, unless both parties agree for review of decision by DAB.

63.2.11 In case DAB decision is not challenged by either party within 180 days of receipt of decision of DAB, the decision shall be considered as final and parties would be barred for referring the same to Arbitral Tribunal for adjudication.

63.2.12 The obligation of the Railway and the Contactor shall not be altered by reasons of issue being or under reference to DAB.

63.2.13 The DAB shall conduct the proceedings at any convenient venue which shall be decided by DAB in consultations with parties.

63.2.14 It is a term of this contract that the Parties shall not approach any Court of Law for settlement of such disputes or differences unless an attempt has first been made by the parties to settle such disputes or differences through DAB and Arbitral Tribunal.

64.(1) : Demand for Arbitration:

64.(1)(i): In the event of any dispute or difference between the parties hereto as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question, dispute or difference on any account or as to the withholding by the Railway of any certificate to which the Contractor may claim to be entitled to, or if the Railway fails to make a decision within 120 days, then and in any such case, but except in any of the "excepted matters" referred to in Clause 63.1 of these Conditions, the Contractor, after 120 days but within 180 days of his presenting his final claim on disputed matters shall demand in writing that the dispute or difference be referred to arbitration.

64.(1)(i)(a): In the event of any dispute or difference between the parties hereto as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question, dispute or difference on any account or as to the withholding by the Railway of any certificate to which the Contractor may claim to be entitled to, or if the Railway fails to make a decision within 120 days, then and in any such case, but except in any of the "excepted matters" referred to in Clause 63.1 of these Conditions, the Contractor, after 120 days but within 180 days of his presenting his final claim on disputed matters shall demand in writing that the dispute or difference be referred to arbitration.

64.(1)(i)(b): Arbitration as a method of dispute resolution should not be routinely or automatically included in procurement contacts/tenders, especially in large contracts.

64.(1)(i)(c): As a norm, arbitration as a method of dispute resolution may be restricted to disputes with a value less than Rs. 10 crore. This figure is with reference to the value of the dispute (not the value of the contract, which may be much higher).

64.(1)(i)(d): Inclusion of arbitration clauses covering disputes with a value exceeding Rs. 10 crore, should be based on careful application of mind and recording of reasons and with the approval of an officer not below the rank of Senior Administrative Grade (SAG) or the Accepting Authority of the tender whichever is higher.

- 64.(1)(ii)(a):** The demand for arbitration shall specify the matters which are in question, or subject of the dispute or difference as also the amount of claim item-wise. Only such dispute or difference, in respect of which the demand has been made, together with counter claims or set off, given by the Railway, shall be referred to arbitration and other matters shall not be included in the reference.
- 64.(1)(ii)(b):** The parties may waive off the applicability of Sub-Section 12(5) of Arbitration and Conciliation (Amendment) Act 2015, if they agree for such waiver in writing, after dispute having arisen between them, in the format given under Annexure XV of these conditions.
- 64.(1)(iii)(a):** The Arbitration proceedings shall be assumed to have commenced from the day, a written and valid demand for arbitration is received by the Railway.
- 64.(1)(iii)(b):** The claimant shall submit his claims stating the facts supporting the claims alongwith all the relevant documents and the relief or remedy sought against each claim within a period of 30 days from the date of appointment of the Arbitral Tribunal.
- 64.(1)(iii)(c):** The Railway shall submit its defence statement and counter claim(s), if any, within a period of 60 days of receipt of copy of claims from Tribunal, unless otherwise extension has been granted by Tribunal.
- 64.(1)(iii)(d):** Place of Arbitration: The place of arbitration would be within the geographical limits of the Division of the Railway where the cause of action arose or the Headquarters of the concerned Railway or any other place with the written consent of both the parties.
- 64.(1)(iv):** No new claim shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defense thereof during the course of arbitration proceedings subject to acceptance by Tribunal having due regard to the delay in making it.
- 64.(1)(v):** If the Contractor(s) does/do not prefer his/their specific and final claims in writing, within a period of 90 days of receiving the intimation from the Railways that the final bill is ready for payment, he/they will be deemed to have waived his/their claim(s) and the Railway shall be discharged and released of all liabilities under the contract in respect of these claims.
- 64.(2): Obligation During Pendency of Arbitration:** Work under the contract shall, unless otherwise directed by the Engineer, continue during the arbitration proceedings, and no payment due or payable by the Railway shall be withheld on account of such proceedings, provided, however, it shall be open for Arbitral Tribunal to consider and decide whether or not such work should continue during arbitration proceedings.
- 64.(3) : Appointment of Arbitrator:**
- 64.(3)(a):** The Arbitral Tribunal shall consist of a panel of three arbitrators. General Manager/Additional General Manager will appoint two arbitrators, one railway nominee and other from among the contractor's nominee. Contractor can recommend his nominee either from approved panel of Railways or from approved panel of Indian Council of Arbitration (ICA) within 30 days from the date of dispatch of approval of written and valid acceptance of demand for arbitration by the General Manager/Additional General Manager.
- 64.(3)(a)(i):** If contractor wants to choose his nominee from Railway panel, the Railway will send a panel of at least four (4) names of retired Railway Officers empanelled to work as Arbitrator within 30 days from the day when a written and valid demand for arbitration is received by the General Manager/Additional General Manager. Contractor will be asked to suggest to General Manager/Additional General Manager at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager/Additional General Manager shall appoint at least one out of them as the Contractor's nominee within 30 days from the receipt of the names of Contractor's nominees. The railway panel shall be provided free of cost to the contractor.

64.3(a)(ii): If contractor wants to choose his nominee from Indian Council of Arbitration panel, Contractor will send at least 2 names of Arbitrators from the ICA panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager/Additional General Manager shall appoint at least one out of them as the Contractor's nominee within 30 days from the receipt of the names of Contractor's nominees. Nomination and appointment of arbitrators from ICA panel shall be as per the ICA Rules for Domestic Commercial Arbitration and amended from time to time.

Some general guidelines of ICA Rules for Domestic Commercial Arbitration are as under:-

- i. Contractor may access the ICA's panel of arbitration through ICA's official webpage:
<https://icaindia.co.in/pdf/Engineers.pdf>.
- ii. A formal request for nomination shall be submitted to ICA, accompanied by:-
 - a. A brief Statement of Claim outlining the nature and quantum of the disputes.
 - b. A copy of the relevant contract and any supporting documents.
 - c. A copy of the notice intimating the other party of the initiation of arbitration proceedings, with proof of delivery (if any).
- iii. Ad-hoc appointment fees for the nomination and appointment of arbitrators shall be as per the ICA Rules for Domestic Commercial Arbitration and revised from time to time and shall be submitted along with the request.

64.3(a)(iii): The serving railway officer working in arbitral tribunal in the ongoing arbitration cases as per clause 64.3(a)(i) and clause 64.3(a)(ii) above, can continue as arbitrator in the tribunal even after his retirement.

64.3(b): Two selected arbitrators are free to select presiding arbitrator (3d arbitrator) within thirty (30) days from the date of their appointment. The presiding arbitrator may be selected from approved panel of Railways or approved panel of Indian Council of Arbitration (as per mutual agreement), which will be approved by General Manager/Additional General Manager. General Manager/Additional General Manager shall complete this exercise of appointing the Arbitral Tribunal within 30 days from the receipt of the names of all the three arbitrators.

64.3(c)(i): If one or more of the arbitrators appointed as above refuses to act as arbitrator, withdraws from his office as arbitrator, or vacates his/their office/offices or is/are unable or unwilling to perform his functions as arbitrator for any reason whatsoever or dies or in the opinion of the General Manager/Additional General Manager fails to act without undue delay, the General Manager/Additional General Manager shall appoint new arbitrator/arbitrators to act in his/their place in the same manner in which the earlier arbitrator/arbitrators had been appointed. Such re-constituted Tribunal may, at its discretion, proceed with the reference from the stage at which it was left by the previous arbitrator (s).

64.3(c)(ii): (a) The Arbitral Tribunal shall have power to call for such evidence by way of affidavits or otherwise as the Arbitral Tribunal shall think proper, and it shall be the duty of the parties hereto to do or cause to be done all such things as may be necessary to enable the Arbitral Tribunal to make the award without any delay.

The proceedings shall normally be conducted on the basis of documents and written statements.

(b) Before proceeding into the merits of any dispute, the Arbitral Tribunal shall first decide and pass its orders over any plea submitted/objections raised by any party, if any, regarding appointment of Arbitral Tribunal, validity of arbitration agreement, jurisdiction and scope of the Tribunal to deal with the dispute

(s) submitted to arbitration, applicability of time 'limitation' to any dispute, any violation of agreed procedure regarding conduct of the arbitral proceedings or plea for interim measures of protection and record its orders in day to day proceedings. A copy of the proceedings duly signed by all the members of tribunal should be provided to both the parties.

64.3(c)(iii): (i) Qualification of Railway Empanelled Arbitrator (s):

(a) Retired Railway Officers not below SA Grade level, one year after his date of retirement.

(b) Age of arbitrator at the time of appointment shall be below 70 years.

- (c) Persons not involved in any current vigilance/CBI cases or against whom disciplinary or prosecution proceedings are not in process.
- (d) Persons who had not been imposed a major penalty or two or more minor penalties or against whom administrative action has not been taken three times or more or
- (e) Persons who have not been imposed one minor Penalty and against whom two administrative actions have not been taken as a result of vigilance/CBI action while in service on Railways.

(ii) An arbitrator may be appointed notwithstanding the total number of arbitration cases in which he has been appointed in the past.

(iii) While appointing arbitrator(s) under Sub-Clause 6 .Q)@), 64.(3)(a)(i), 64.(3)(a)(ii) & 64.(3)(b) above, due care shall be taken that he/they is/are not the one/those who had an opportunity to deal with the matters to which the contract relates or who in the course of his/their duties as Railway servant(s) expressed views on all or any of the matters under dispute or differences. A certification to this effect as per annexure- XVI shall be taken from Arbitrators also. The proceedings of the Arbitral tribunal or the award made by such Tribunal will, however, not be invalid merely for the reason that one or more arbitrator had, in the course of his service, opportunity to deal with the matters to which the contract relates or who in the course of his/their duties expressed views on all or any of the matters under dispute.

64.(3)(d)(i): The arbitral award shall state item wise, the sum and reasons upon which it is based. The analysis and reasons shall be detailed enough so that the award could be inferred therefrom.

64.(3)(d)(ii): A party may apply for corrections of any computational errors, any typographical or clerical errors or any other error of similar nature occurring in the award of a Tribunal and interpretation of a specific point of award to Tribunal within 60 days of receipt of the award.

64.(3)(d)(iii): A party may apply to Tribunal within 60 days of receipt of award to make an additional award as to claims presented in the arbitral proceedings but omitted from the arbitral award.

64.(4): Any ruling on award shall be made by a majority of members of Tribunal. In the absence of such a majority, the views of the Presiding Arbitrator shall prevail.

64.(5): Where the arbitral award is for the payment of money, no interest shall be payable on whole or any part of the money for any period till the date on which the award is made.

64.(6): The cost of arbitration shall be borne by the respective parties. If all the three arbitrators are selected from the Railway Panel, the fee of the arbitrators shall be determined as per the rates fixed/revised by Railway Board from time to time and the fee shall be borne equally by both the parties, provided parties sign an agreement in the format given at Annexure XV to these conditions after/ while referring these disputes to Arbitration. However, if any of the three arbitrators is selected from the Panel of Indian Council of Arbitration (ICA), the fee of the arbitrators shall be determined as per the rates fixed/revised by the Indian Council of Arbitration from time to time and the fee shall be borne equally by both the parties, provided parties sign an agreement in the format given at Annexure XV to these conditions after/ while referring these disputes to Arbitration.

As per Advance Correction Slip No. 10 (No. 2022 I CE-A CT I GC C -2022 I P OLTCY New Delhi, Dated 04.03.2025).

64.(7) Subject to the provisions of the aforesaid Arbitration and Conciliation Act 1996 and the rule thereunder and relevant para of General Conditions of Contract (GCC) and any statutory modifications thereof shall apply to the appointment of arbitrators and arbitration proceedings under this Clause.

64.(8) In case arbitration award is challenged by a party in the Court of Law, 75% of award amount, pending adjudication by Court of Law, shall be made by party to other party. In case payment is to be made by Railway to Contractor, the terms & conditions as incorporated in the Ministry of Railways letter No. 2016/CE(I)/CT/ARB/3(NITI Aayog)/Pt. dated 08th Mar, 2017 as amended from time to time, shall be followed. In case Contractor has to pay to the Railway, then 75% of the award amount shall be deducted by the Railway from the Contractor's bills, Performance Guarantee/ Security Deposit or any other dues of Contractor with the Government of India.

PART-II ANNEXURES**ANNEXURE – VII**

Reference Para 17B

Registered Acknowledgement Due

PROFORMA FOR TIME EXTENSION

No. _____

Dated: _____

Sub: (i) _____ (name of work).

0 Acceptance letter no. _____

1 Understanding/Agreement no. _____

Ref: _____ (Quote specific application of Contractor for extension
to the _____ date received)

- . From the

Dear Sir,

1. The stipulated date for completion of the work mentioned above _____
is

progress made so far and the present rate of progress, it is unlikely that the work will be completed by the above date (or 'However, the work was not completed on this date').

2. Expecting that you may be able to complete the work if some more time is given, the competent authority, although not bound to do so, hereby extends the time for completion from _____ to _____.

3. Please note that an amount equal to the liquidated damages for delay in the completion of the work after the expiry of _____ (give here the stipulated date for completion with/without any liquidated damage fixed earlier) will be recovered from you as mentioned in Clause 17-B of the Standard General Conditions of Contract for the extended period, notwithstanding the grant of this extension. You may proceed with the work accordingly.

4. The above extension of the completion date will also be subject to the further condition that no increase in rates on any account will be payable to you.

5. Please intimate within a week of the receipt of this letter your acceptance of the extension of the conditions stated above.

6. Please note that in the event of your declining to accept the extension on the above said conditions or in the event of your failure after accepting or acting upto this extension to complete the work by _____ (here mention the extended date), further action will be taken in terms of Clause 62 of the Standard General Conditions of Contract.

Yours faithfully

For and on behalf of the President of India

ANNEXURE – VIIA

(Reference Clause 40(A)

Registered Acknowledgement Due

PROFORMA OF 14 DAYS NOTICE FOR OFFLOADING OF PART OF CONTRACT WORK_____ **RAILWAY**

(Without Prejudice)

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

In spite of repeated instructions to you by the subordinate offices as well as by this office through various letters of even no. _____, dated _____; you have failed to show adequate progress of work so as to complete the contract within the original / extended date of completion of contract and part(s) of contract work are yet to be started/ still lagging behind the agreed program of work, listed as under:

(Details of part(s) of work which is delayed and can be executed independently, to be mentioned).

2. Your attention is invited to this office/Chief Engineer's office letter no. _____, dated _____ in reference to your representation, dated _____.

3. As you have failed to abide by the instructions issued to commence the work /to show adequate progress of work, you are hereby given 14 days' notice in accordance with Clause 40A of the Standard General Conditions of Contract to deploy adequate resources i.e. *(the details of resource requirement, to be mentioned)* and commence / to make good the progress for part(s) of works detailed above, failing which action as provided in Clause 40A of the Standard General Conditions of Contract shall be commenced after expiry of 14 days' notice period viz. to offload few/ all part(s) of work mentioned above to any of the existing or new contractor without your participation and at your Risk & Cost, not exceeding the value of Performance Guarantee of this contract, which may please be noted.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

ANNEXURE – VIIB

(Reference Clause 40(A)
Registered Acknowledgement Due

NOTICE FOR PART OF CONTRACT WORK OFFLOADED

_____ **RAILWAY**

(Without Prejudice)

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

1. Fourteen days' notice under Clause 40A of the Standard General Conditions of Contract was given to you under this office letter of even no., dated _____; but you have taken no/inadequate action to deploy adequate resources to commence the part(s) of work/show adequate progress of the part(s) of work, mentioned therein.

As you have failed to abide by the instructions issued to commence the part(s) of work/show adequate progress of the part(s) of work even at the lapse of 14 days' notice period under Clause 40A of the Standard General Conditions of Contract, few part(s) of the work under the contract have been offloaded and being executed by other mode(s) at the cost detailed below:

Or,

1. Please refer your request letter no..... dated, wherein it was requested under clause 40 A of the Standard General Conditions of Contract to offload part(s) of works at your risk & cost. The details of part(s) of the work under the contract which have been offloaded and being executed by other mode(s) at the cost detailed below:

(List of Part(s) of work offloaded, Details of mode of execution of such offloaded work alongwith approximate cost thereof to be mentioned)

2. The final measurement of work(s) already executed for above part(s) of work recorded as per clause 45 (A) or/and 45 (B) of the Standard General Conditions of Contract is enclosed herewith.

3. The Bill(s) of Quantities for Part(s) of work offloaded is enclosed herewith.

4. The additional cost in execution of offloaded work through mode(s) mentioned in para (1) above is determined as Rs. _____, over & above the cost of execution under this contract (including the PVC amount payable as per contract, as on the date of issue of this notice). This additional cost shall be recovered from your next on account bill(s) or any other dues payable to you under contract.

5. The Contract value gets reduced to Rs.....:

6. You are requested to continue with the balance work in the contract subsequent to offloading of above part(s) of work.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

ANNEXURE – VIII
Reference Para 60.(2)

CERTIFICATE OF FITNESS

(a) Serial Number _____

(b) Date _____

Name of person examined _____

Father's Name: son/daughter of _____

Residing at _____

Sex _____

Residence: _____

Physical fitness _____

Identification marks _____

Date of birth, if available, and/or certified age _____

I certify that I have personally examined (name) _____ who is desirous of being employed in a factory or on a work requiring manual labour and that his/her age as nearly as can be ascertained from my examination, is ____ years.

I certify that he/she is fit for employment in a factory or on a work requiring manual labour as an adult/child.

Reasons for :

Refusal to grant certificate, or _____

Revoking the certificate _____

Signature or left hand

Thumb impression of the person examined.

Signature of Certifying Surgeon

Note: In case of physical disability, the exact details and cause of the physical disability should be clearly stated.

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – IX

(Reference Clause 62. (1)

Registered Acknowledgement Due

**PROFORMA OF 7 DAYS NOTICE FOR WORKS AS A WHOLE/ IN PARTS
(DETAILS OF PART OF WORK TO BE MENTIONED)**

_____ RAILWAY

(Without Prejudice)

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

In spite of repeated instructions to you by the subordinate offices as well as by this office through various letters of even no. _____, dated _____; you have failed to start work/show adequate progress and/or submit detailed programme for completing the work/ part of work (details of part of work to be mentioned).

2. Your attention is invited to this office/Chief Engineer's office letter no. _____, dated _____ in reference to your representation, dated _____.

3. As you have failed to abide by the instructions issued to commence the work /to show adequate progress of work you are hereby given 7 days' notice in accordance with Clause 62 of the Standard General Conditions of Contract to commence works / to make good the progress, failing which further action as provided in Clause 62 of the Standard General Conditions of Contract viz. to terminate your Contract and complete the balance work without your participation will be taken.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – X

Reference Para 62(1)

Registered Acknowledgement Due

PROFORMA OF 48 HRS. NOTICE FOR WHOLE WORK

_____ **RAILWAY**

(Without Prejudice)

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

Seven days' notice under Clause 62 of the Standard General Conditions of Contract was given to you under this office letter of even no., dated _____; but you have taken no action to commence the work/show adequate progress of the work.

2. You are hereby given 48 hours' notice in terms of Clause 62 of the Standard General Conditions of Contract to commence works / to make good the progress of works, failing which and on expiry of this period your above contract will be rescinded and the work under this contract will be carried out independently without your participation and your Security Deposit shall be forfeited and Performance Guarantee shall also be encashed and any other consequences which may please be noted.

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – XI

Reference Para 62.(1)

Registered Acknowledgement Due/Standard Correspondence through IR-WCMS/Email on registered IREPS Email.

PROFORMA OF TERMINATION NOTICE

_____ **RAILWAY**

(Without Prejudice)

No. _____

Dated _____

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

Forty eight hours (48 hrs.) notice was given to you under this office letter of even no., dated _____; but you have taken no action to commence the work/show adequate progress of the work.

Since the period of 48 hours' notice has already expired, the above contract stands rescinded in terms of Clause 62 of the Standard General Conditions of Contract and the balance work under this contract will be carried out independently without your participation. Your participation as well as participation of every member/partner in any manner as an individual or a partnership firm/JV is hereby debarred from participation in the tender for executing the balance work and your Security Deposit shall be forfeited and Performance Guarantee shall also be encashed.

The final measurements of work executed by you against the said contract will be taken/started on _____ at _____ hrs. at site The measurement will continued till all the measurement are taken. You are advised to be present at site on the above mentioned date and time to witness the measurements, otherwise measurements will be taken ex-parte and thereafter, variation (addendum & corrigendum) & final bill of work executed till date of termination based on ex-parte final measurements shall also be processed ex-parte.

Yours faithfully

For and on behalf of the President of India

(Advance correction slip no. 8 dated 20.12.2024)

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – XII

Reference Para 62.(1)

Registered Acknowledgement Due

PROFORMA OF 48 HRS. NOTICE FOR PART OF THE WORK.....

(DETAILS OF PART OF WORK TO BE MENTIONED)

_____ RAILWAY

(Without Prejudice)

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

1. Seven days' notice under Clause 62 of the Standard General Conditions of Contract was given to you under this office letter of even no., dated _____; but you have taken no action to commence the work/show adequate progress of the part of work.....(details of part to be mentioned).
2. You are hereby given 48 hours' notice in terms of Clause 62 of the Standard General Conditions of Contract to commence works / to make good the progress of works, failing which and on expiry of this period your above part of work.....(Details of part to be mentioned) in contract will be rescinded and the work will be carried out independently without your participation.
3. Your full Performance Guarantee for the contract shall be forfeited and you shall not be issued any completion certificate for the contract. However, no additional Performance Guarantee shall be required for balance of work being executed through the part terminated contract.
4. The contract value of part terminated contract shall stands reduced to

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – XIII

Reference Para 62.(1)

Registered Acknowledgement Due

PROFORMA OF TERMINATION NOTICE FOR PART OF THE WORK..... (DETAILS OF PART OF WORK TO BE MENTIONED)

_____ RAILWAY

(Without Prejudice)

No. _____

Dated _____

To

M/s _____

Dear Sir,

Contract Agreement No. _____

In connection with _____

Forty eight hours (48 hrs.) notice was given to you under this office letter of even no., dated _____; but you have taken no action to commence the work/show adequate progress of the part of work.....(details of part to be mentioned).

Your above part of work in contract(details of part to be mentioned) stands rescinded in terms of Clause 62 of the Standard General Conditions of Contract and the same will be carried out independently without your participation. Your participation as well as participation of every member/partner in any manner as an individual or a partnership firm/JV is hereby debarred from participation in the tender for executing the balance work

Your full Performance Guarantee for the contract shall be forfeited and you shall not be issued any completion certificate for the contract. However, no additional Performance Guarantee shall be required for balance of work being executed through the part terminated contract.

The contract value of part terminated contract stands reduced to

Kindly acknowledge receipt.

Yours faithfully

For and on behalf of the President of India

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE – XIV

Reference Para 48.(3)

FINAL SUPPLEMENTARY AGREEMENT

- Articles of agreement made this day _____ in the year _____ between the President of India, acting through the _____ Railway Administration having his office at _____ herein after called the Railway of the one part and _____ of the second part.
- Whereas the party hereto of the second part executed an agreement with the party hereto of the first part being agreement Number _____ dated _____ for the performance _____ herein after called the 'Principal Agreement'.
- And whereas it was agreed by and between the parties hereto that the works would be completed by the party hereto of the second part on _____ date last extended and whereas the party hereto of the second part has executed the work to the entire satisfaction of the party hereto of the first part.
- And whereas the party hereto of the first part already made payment to the party hereto of the second part diverse sums from time to time aggregating to ₹ _____ including the Final Bill bearing voucher No. _____ dated _____ of value _____ duly adjusted as per price variation clause, if applicable (the receipt of which is hereby acknowledged by the party hereto of the second part in full and final settlement of all his /its claims under the principal agreement.

And whereas the party hereto of the second part have received sum of ₹ _____ through the Final Bill bearing voucher No. _____ dated _____ duly adjusted as per price variation clause (PVC), if applicable (the receipt of which is hereby acknowledged by the party thereto of the second part) from the party hereto of the first part in full and final settlement of all his/its disputed claims under principal agreement.

Now, it is hereby agreed by and between the parties in the consideration of sums already paid by the party hereto of the first part to the party hereto of the second part against all outstanding dues and claims for all works done under the aforesaid principal agreement excluding the Security Deposit, the party hereto of the second part have no further dues of claims against the party hereto of the first part under the said Principal Agreement. It is further agreed by and between the parties that the party hereto of the second part has accepted the said sums mentioned above in full and final satisfaction of all its dues and claims under the said Principal Agreement.

(Applicable in case Final Supplementary Agreement is signed after release of Final Payment)

Or

And whereas the party hereto of the first part already made payment to the party hereto of the second part diverse sums from time to time aggregating to ₹ _____ through various On Account Bills (the receipt of which is hereby acknowledged by the party hereto of the second part).

And whereas the party hereto of the second part have received sum of ₹ _____ through various On Account Bills (the receipt of which is hereby acknowledged by the party thereto of the second part) from the party hereto of the first part and party hereto of the second part have accepted final measurements recorded on Page No..... to Page No.... of Measurement Book No.....and corresponding Final Bill duly adjusted as per price variation clause (PVC), if applicable, for full and final settlement of all his/its disputed claims under principal agreement.

Now, it is hereby agreed by and between the parties in the consideration of sums already paid through various On Account Bills and sums to be paid through Final Bill duly adjusted as per price variation clause (PVC), if applicable, based on accepted final measurements including the Security Deposit by the party hereto of the first part to the party hereto of the second part against all outstanding dues and claims for all works done under the aforesaid principal agreement, the party hereto of the second part have no further dues of claims against the party hereto of the first part under the said Principal Agreement.

(Applicable in case Final Supplementary Agreement is signed before release of Final Payment)

It is further agreed and understood by and between the parties that the arbitration clause contained in the said principal agreement shall cease to have any effect and/or shall be deemed to be non-existent for all purposes.

Signature of the Contractor/s

for and on behalf of the President of India

Witnesses

ADDRESS: _____

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE-XV

Reference Para 64.3 & 64.6

Agreement towards Waiver under Section 12(5) and Section 31A (5) of Arbitration and Conciliation (Amendment) Act

I/we..... (Name of agency/Contractor) with reference to agreement no..... raise disputes as to the construction and operation of this contract, or the respective rights and liabilities, withholding of certificate and demand arbitration in respect of following claims :

Brief of claim:

- i. Claim 1- Detailed at Annexure-
- ii. Claim 2 –
- iii. Claim 3 –

I/we..... (post of Engineer) with reference to agreement no..... hereby raise disputes as to the construction and operation of this contract, or the respective rights and liabilities, withholding of certificate and demand arbitration in respect of following claims:

I/we.....do/do not agree to waive off applicability of section 12(5) of Arbitration and Conciliation (Amendment) Act.

Signature of Claimant_____ Signature of Respondent _____

Agreement under Section 31(5)

I/we..... (Name of claimant) with reference to agreement no..... hereby waive off the applicability of sub section 31-A (2) to 31-A (4) of the Arbitration and Conciliation (Amendment) Act. We further agree that the cost of arbitration will be shared by the parties as per Clause 64(6) of the Standard General Conditions of Contract.

Signature of Claimant_____ Signature of Respondent_____

*Strike out whichever not applicable.

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE-XVI

Reference Para 64.(3)

Certification by Arbitrators appointed under Clause 63 & 64 of Indian Railways General Conditions of Contract

1. Name:
2. Contact Details:
3. Prior experience (Including Experience with Arbitrations):
4. **I do not have more than ten on-going Arbitration cases with me.**
5. I hereby certify that I have retired from Railways w.e.f. ____ and empanelled as Railway Arbitrator as per 'The Arbitration and Conciliation Act- 1996'.
6. I have no any past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind.

Or
I have past or present relationship in relation to the subject matter in dispute, whether financial, business, professional or other kind. The list of such interests is as under:
7. I have no any past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality in terms of The Arbitration and Conciliation Act-1996.

Or
I have past or present relationship with or interest in any of the parties whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to my independence or impartiality in terms of The Arbitration and Conciliation Act-1996. The details of such relationship or interests are as under:
8. There are no concurrent Circumstances which are likely to affect my ability to devote sufficient time to the arbitration and in particular to finish the entire arbitration within twelve months.

Or
There are Circumstances which are likely to affect my ability to devote sufficient time to the arbitration and in particular to finish the entire arbitration within twelve months. The list of such circumstances is as under:

Sign. of Tenderer(s)

For CWM CPOH ADI

B. New Annexure – XVII, Part-II of GCC-2022 shall be read as under:-

ANNEXURE-XVII

Reference Para 16.(4)

Insurance Surety Bond for Performance Security

Name of the issuer of surety bond:

President of India,
Acting
through.....,
.....
Railway.

Date:.....
.....

Surety Bond No:
Amount of Bond:

Issue Date:.....
Expiry Date:.....

WHEREAS, In consideration of the President of India acting through(*Designation & address of contract signing authority*),.....Railway,....., (hereinafter called “The Railway”) having accepted the bid of M/S XXXXX hereinafter called the contractor, for the work of XXX” under invitation for bids No XXXX Dated XXXXX, Vide Letter of Acceptance No.....

AND

WHEREAS, the contractor is required to furnish Performance Security for the sum of ₹. XXXX (**Rupees XXXX Only**), in the form of Surety Bond, being a condition precedent to the signing of the contract agreement.

SB No:

Date:

WHEREAS, we, _____, (*Name of insurance company*) hereinafter called the Surety, acting through [*Designation(s) of the authorised person of the Surety*], have, at the request of the M/s. XXXX contractor, agreed to give Bond for performance security/ additional performance security as hereinafter contained:

1. KNOW ALL MEN by these present that I/We, the undersigned [*Insert name(s) of authorized representatives of the Surety*], being fully authorized to sign and incur obligations for and on behalf of the Surety, confirm that the Surety, hereby, unconditionally and irrevocably Bond to pay the Railway the full amount in the sum of **XXXX (Rupees XXXX Only)** as above stated.
2. The Surety undertakes to immediately pay on presentation of demand by the Railway any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Railway on the Surety shall be final, conclusive and binding, absolute and unequivocal notwithstanding any disputes raised/pending before any Court, tribunal, arbitration or any authority or any threatened litigation by the Bidder or Bank.
3. On payment of any amount less than aforementioned full amount, as per demand of the Railway, the Bond shall remain valid for the balance amount i.e. the aforementioned full amount less the payment made to the Railway.
4. The Surety shall pay the amount as demanded immediately on presentation of the demand by Railway without any reference to the contractor and without the Railway being required to show grounds or give reasons for its demand or the amount demanded.
5. The Surety Bond shall be unconditional and irrevocable.
6. The Bond hereinbefore shall not be affected by any change in the constitution of the Surety or in the constitution of the Contractor.
7. The Surety agrees that no change, addition, modifications to the terms of the Contract Agreement or to any documents, which have been or may be made between the Railway and the Contractor, will in any way release us from the liability under this Bond; and the Surety, hereby, waives any requirement for notice of any such change, addition or modification to the Surety.
8. This Bond is valid and effective from the date of its issue, which is [*insert date of issue*]. The Bond and our obligations under it will expire on **XXXX (Expiry Date)**. All demands for payment under the Bond must be received by us on or before that date.
9. The Surety agrees that the Railways right to demand payment of aforementioned full amount in one instance or demand payments in parts totalling up to the aforementioned full amount in several instances will be valid until either the aforementioned full amount is paid to the Railway or the Bond is released by Railway before the Expiry date.
10. The Surety agrees that its obligation to pay any amount demanded by the Railway before the expiry of this Bond will continue until the amount demanded has been paid in full.
11. The expressions Surety and Railway hereinbefore used shall include their respective successors, administrators and assigns.



12. The Surety hereby undertakes not to revoke the Bond during its currency, except with the previous consent in writing of the Railway. This Bond is subject to the Uniform Rules for Demand Bonds, ICC Publication No. 758.
13. We, the Surety Insurer, further agree that the Authority shall be the sole judge to decide as to whether the Bidder is in default of due and faithful fulfilment and compliance with the terms and conditions contained in the Bidding Documents including, inter alia, the failure of the Bidder to keep its Bid open during the Bid validity period set forth in the said Documents, and the decision of the Authority that the Bidder is in default as aforesaid shall be final and binding on us, notwithstanding any differences between the Authority and the Bidder or any dispute pending before any Court, tribunal, arbitrator or any other authority.
14. The Bond shall be in addition to and without prejudice to any other security Bond (s) of the contractor in favour of the Railway available with the Railway. The Surety, under this Bond, shall be deemed as Principal Debtor of the Railway.

Notwithstanding anything to the contrary contained in these presents,

- a. Our liability under this Surety Bond shall not exceed **XXXX (Rupees XXXXX Only)**.
- b. This Surety Bond shall be valid up to **XXXX (being the date of expiry)**;
- c. Unless the bank is served a written claim or demand on or before **XXXX [date of expiry]** all rights under this Bond shall be forfeited and the Surety shall be relieved and discharged from all liabilities under this Bond irrespective of whether or not the original Surety bond is returned to the Surety.

Dated the day of 2024

15. The Insurance Surety Bond shall be verified by sending mail to [customer.care@sbigeneral.in].

Place.....

Bank's Seal and authorized signature(s)

[Name in Block letters]

[Designation with Code No.]

[P/Attorney] No.

Witness

1.

2.

* * * * *

[Note: All italicized texts are for guidance on how to prepare this Insurance Surety Bond and shall be deleted from the final document.]

STATEMENT OF DEVIATION

Sr. No.	Part (Special Conditions of Contract or Additional Special Conditions of Contract & Schedule of Items)	Clause NO.	Railway Clause	Proposed Clause by tenderer	Reason/Remarks for deviation.	Financial Impact

 Signature of Tenderer(s)

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure - B**FORM OF IRREVOCABLE GUARANTEE BOND FOR PERFORMANCE GUARANTEE (PG).**

(The Bank Guarantee(BGs) to be submitted by the suppliers/contractors should be sent directly to “ The Sr.AFA (W&S) Western Railway CPOH, Vatva Goods Yard ,Near Vinzol level Crossing No. 5, Vatva Ahmedabad, Gujarat 382345” by the issuing Bank under Registered Post A. D.).

To,
The President of India, Through the Sr. AFA (W&S),
Western Railway, CPOH, Vatva Goods Yard,Near Vinzol level Crossing No. 5, Vatva Ahmedabad.

1. In consideration of the President of India (hereinafter called “the Government”) having agreed to accept from.....hereinafter called "the said Contractor/s”), under the terms and conditions of an Agreement/
Acceptance letter no. dated made
between.....and(hereinafter called "the said Agreement”) the Performance Guarantee for the due fulfillment by the Contractor/s of the terms and conditions in the said Agreement on production of Bank Guarantee for Rs.....Rupees..... only).

We, (indicate the name of the Bank hereinafter referred to as “the Bank”) at the request ofcontractor/s do hereby under take to pay the Government an amount not exceeding Rs against any loss or damage caused to or suffered by or would be caused to or suffered by Government by reason of any breach by said Contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We..... indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from the Government stating that the amount claimed is by way of loss or damage caused to or suffered by the Government by reason of breach by the said contractor/s of any of the terms or conditions contained in the said agreement or by reason of the contractor/s failure to perform the Agreement, any such demand made on the Bank shall be conclusive as regards the amount due and payable to the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

3. We undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by contractor(s)/ suppliers(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractors(s)/ supplier(s) shall have no claim against us for making such payment.

4. We,.....(indicate the name of the bank) further agree that the guarantee herein contained

Sign. of Tenderer(s)

For CWM CPOH ADI

shall remain in full force and effect during the period that would be taken for the performance of the said Agreement, including Maintenance/ Warrantee Period, and it shall continue to be enforceable till dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till office/Department/ Ministry of Railway certifies that the terms and conditions of the Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharged this guarantee, unless a demand or claim under this guarantee is made on us in writing on or before the we shall discharge from all liability under this guarantee thereafter.

5. We, (indicate name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone from any time or from time to time any of the powers exercisable by the Government against the said contract and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the contractor/s or for any forbearance act or omission on the part of the Government or indulgence by the Government to the said contractor(s) or such any matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to change in the constitution of the bank or the Contractor(s)/ Supplier(s).

7. We, (indicate the name of Bank) undertake not to revoke this guarantee during its currency except with the previous consent of the Government in writing.

Dated this day of 2010.

For _____

(Indicate the name of the Bank)

Signature of Tenderer

For Principal Chief Engineer

Sign. of Tenderer(s)

For CWM CPOH ADI

ANNEXURE-C**SAFETY RULES**

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground or from solid construction except for such short period work as can be done safely from ladders. When a ladder is used an extra labour shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable foot holds and hand-holds shall be provided on the ladder and the ladder shall be given an inclination not steeper than 1/4 to 1 (1/4 horizontal to one vertical).
2. Scaffolding or staging more than 3.5 meters above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached bolted, braced and otherwise secured at least 1 meter high above the floor or platform or staging and extending along the entire length thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platform gangways and stairways should be so constructed that they should not sag unduly or unequally, and where the height of the platform or the gangway or the stairway is more than 3.5 meters above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in the para above.
4. Safe means of access shall be provided to all working platform and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 10 metres in length while the width between side rails in swung ladder shall in no case be less than 300 mm for ladders up to and including 3.5 metres in length. For longer ladders this width should be increased by at least 20 mm for each additional metre of length. Uniform steps spacing shall not exceed 300 mm. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any persons or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of the defense of every suit, action or other proceeding at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any suits, action or proceedings to any such persons or which may with the consent of the contractor be paid to compromise any claim by any such persons.
5. All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the persons employed on the site and maintained in a condition suitable for immediate use, and the Contractor should take adequate steps to ensure proper use of equipment by those concerned.

In addition,

- (i) Workers engaged in painting etc which is injurious to the eyes shall be provided with protective goggles;
- (ii) Workers engaged in welding works shall be provided with protective goggles;

Additional condition for safety at work site:-

- (i) The contractor shall not start any work without the presence of railway supervisor or his representative and contractor's supervisor at site.
- (ii) There shall be an assurance register kept at each site. Which will have to be signed by both, i.e. Railway Supervisor or his representative as well as the contractor's supervisor as a token of their having understood the safety precautions to be observed at site."

Annexure D

CERTIFICATE OF NO RELATIVE BEING AN EMPLOYEE OF WESTERN RAILWAY

I/WE THE UNDER SIGNED HEREBY SOLEMNLY DECLARE AND CERTIFY THAT I /WE DO NOT HAVE ANY OF OUR RELATIVE/RELATIVES EMPLOYED IN THE WESTERN RAILWAY EXCEPT FOR THE NAMES BELOW:

1.....

2.....

3.....

4.....

NOTE: - NAMES, DESIGNATION, NAME OF OFFICE, HEADQUARTER OF THE TENDERER'S RELATIVE IN WESTERN RAILWAY TO BE MENTIONED BY THE TENDERER/TENDERERS IN 1, 2, 3 AND SO ON ABOVE.

SIGNATURE OF TENDERER/TENDERERS

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure-E

WESTERN RAILWAY	
Details of firm.	
1. Full name of Contractor/s: Construction firm and year Of Establishment.	
2. Registered Head Office :- Address: -	
3. Branch Office in India: -	
4. Constitution of firm give full details including name of Partners/Executive/s power of Attorney holders etc.	
5. Particulars of Registration with Government Semi- Government Organization, Public sector undertaking and local bodies etc.	
The information furnished above shall be supported by authentic documents including registration number of the firm. The copies of documents submitted shall be duly attested by a Gazetted officer.	
Signature of the Contractor/s: -	

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure- F**Similar Work Completion Certificate** Fill up one form per contract

S No	Item Description	Remarks
1	Name of Work	
2	Contract awarding authority.	
3	Contract agreement no. (A copy to be furnished in Technical bid of the tender)	
4	Name of firm whom Tender is awarded	
5	Date of award of Tender	
6	Original value of contract.	
7	Original date of completion.	
8	Actual date of completion.	
9	Final Value of Contract.	
10	Total Payment made to Contractor.	
11	Whether worked as main contractor or approved sub-contractor	
12	Whether worked in individual capacity or in a joint venture.	
13	If the work was executed as a joint venture firm, the share of each partner must be given.	
14	Whether arbitration demanded or not (Yes/No)	
15	Description of the similarity in accordance with clause 10 of Section I	
16	Performance of contractor/ Any other remark	

Seal & Signature of issuing Authority

The Tenderer shall attach a copy of the Certificate(s) issued by the employer in support of having executed similar work, failing which the claim of the bidder shall be liable to be rejected (in case of experience as a sub-contractor, the employer shall be the owner of the Project who has engaged the main Contractor).

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure-G

WESTERN RAILWAY										
Details of works under execution or tendered for.										
SN	Name of Work	Organiz ation for whom work is being done/Tendered	Place	Tender ed cost	Work in Progress		Work tendered for			Remarks
					Date of comm encem ent of	Expec ted date of compl etion	Estt cost	Date when decisi on is expect ed	Stipul ated date of compl etion	
1	2	3	4	5	6	7	8	9	10	11

Note :- The information furnished above shall be authentic documents. The copies of documents submitted should be duly attested by a Gazetted Officer.

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure-H

[illegible]

Annexure-I

WESTERN RAILWAY				
List of personnel to be employed on this work				
Sr. No.	Name & Designation	Qualification	Professional Experience	Remarks
N.B.:- 1. Proof supporting above details to be attached.				
Signature of the Contractor/s				

Sign. of Tenderer(s)

For CWM CPOH ADI

Annexure - J

On Non – Judicial stamp paper (Stamp Duty as per Stamp Act with latest amendments as applicable in the state where MOU executed)

MEMORANDUM OF UNDERSTANDING FOR JOINT VENTURE AGREEMENT

This memorandum of understanding executed this _____ day of _____ 20____ between _____ (Name of Co.) _____ a company registered under the companies Act 1956 having its registered office at _____ represented through its Director/Authorized Representative (hereinafter referred to as _____ which expression shall unless repugnant to the context thereof includes its successors) of the **FIRST PART**

AND/OR

M/s. _____ a partnership firm constituted under the Indian partnership Act 1932, having its registered office at _____ represented through its partner Shri _____ / Authorized representative Shri _____ (hereinafter referred to as _____ which expression shall unless repugnant to the context thereof includes its successors of the **FIRST PART**.

AND/OR

M/s. _____ a proprietary concerned having its registered office at _____ represented through its sole proprietor Shri _____ (hereinafter referred to as _____ which expression shall unless repugnant to the context thereof includes its successors of **FIRST PART**.

Whereas, the party of the first part i.e. M/s _____ *details to be supplied of the expertise in their field*. Whereas, the party of the second part i.e. M/s _____ *details to be supplied of the expertise in their field*. Whereas, the party of the third part i.e. M/s _____ *details to be supplied of the expertise in their field*.

AND whereas parties to this **MOU**, have agreed to co-operate with each other to associate jointly and to form a Joint Venture Firm to participate in the WR Tender of Indian Railways.

Now, therefore, in consideration of the premises and mutual promises and of the undertaking contained herein, it is hereby agreed as follows:

a. The purpose of MOU:-

M/s _____ and _____ agree to co- operate with each other for the purpose of joint participation in the WR Tender and in the event, the contract is awarded, to jointly execute the contract. The board interfaces and scope of work of each party is set forth below:

b. The name of the joint Venture firm shall be _____

c. The parties, hereto, represent that:

i. They are in possession of all approvals and valid authorization for the purpose of execution of this **MOU**.

Sign. of Tenderer(s)

For CWM CPOH ADI

- ii. They have not entered into agreement/MOU of equal or similar nature with any third party for the WRTender.

That each of the parties of the **JV**, agrees and undertake to place at the disposal of the **JV**, benefits of its individual experience, technical knowledge and skill and shall in all respects bear its share of the responsibility, including the provision of information advice and other assistance required in connection with the works. The share and the participation of the partners in the JV shall broadly be follows:

M/s _____ %M/s_ %M/s_ %

“That M/s _____ shall be the lead member of J.V. firm who shall have a majority (at least 51%) share of interest in the JV firm. The other members shall have a share of not less than 20 % each (in case JVfirm with upto three member)/ The other member shall have a share of not less than 10% each (in case of JV firm with more than three members). In case of JV firm with foreign member(s), the lead member has to be an Indian firm with a minimum share of 51%” (strikes out which is not applicable)

And all rights, interest, liabilities, obligations, work experience and risks (net profits or net losses) arising out of the contract shall be shared or borne by the parties in proportionate to this shares. Each of the parties shall bound by guarantees, sureties required for the work as well as its proportionate share in working capital and other financial requirements.

d. The parties to this MOU undertakes:

- (i) That after submission of the tender, the MOU shall not be modified/ altered/ terminated during the validity of the tender including extension and maintenance period except when modification become inevitable due to succession laws etc., but in no case the minimum eligibility criteria would be vitiated.
- (ii) That after the contract is awarded the constitution of JV firm shall not be altered during the currency of contract except when modification becomes inevitable due to succession laws etc., “but in no case the minimum eligibility criteria would be vitiated
- (iii) That with respect of the WR Tender neither party, nor any subsidiary company of either party, nor any joint venture company or any other entry, in which the party/parties, is or are in any way interested, shall compete together with or through any third party, nor shall be parties advise, consult for, engage in or otherwise assist in any way person or entity or any affiliate thereof in respect of any orders or contracts related to this tender.
- (iv) That non of the members of joint ventures is black listed and/or debarred by the Railways or and other ministry or department of Govt. of India/ state Govt. from participation in contract/ under in the past either in individual capacity or the JV firm or partnership firm in which they were/ are members/ partners.

e. JOINT & SEVERAL LIABILITY

In respect of the WR Tender, all commercial terms shall comply each part on back to basis specifications of the WR Tender or any other mutually agreed terms with the Owner/ Customer. The parties hereto shall, if awarded the contract for which the joint venture is formed, be jointly and severally liable to the Indian Railways for execution of the project in accordance with the contract. The parties hereto also undertake to be liable jointly

and severally for the loss, damages caused to the Indian Railways in course of execution or due to non-execution of the contract or part thereof arising out of the contract.

- f. Shri_____be authorized partner/person on behalf of the Joint Venture to deal with tender, to sign the agreement or enter into contract in respect of the said tender, to receive payment, to witness joint measurement of work done, to sign measurement books and similar such action in respect of WR tender/contract. All notices/correspondence with respect to the contracts would be sent only to this authorized partner/person of the J.V. Firm.
- g. Notwithstanding anything herein, in respect of the WR Tender, with regard to the internal relationship, the inter se liabilities between the parties shall be in proportion to their respective scope of work and shall be subject to the provision of this MOU.
- h. **Responsibility:**
Each party shall assume and accept full responsibility for the scope of work and the obligation imposed in the contract and in this MOU as if it was, with regard to this scope of work, an independent partner contracting individually with the customer. In the event of any defect and damage or any claim arising from the customer under the contract or any third party in relation to or as a consequence of any failure to meet the performance specifications the party, within whose scope of work the claim arises, shall be entirely responsible for the claim and shall indemnify and hold harmless the other party from any liability, demand, claim burden cost expense attorney's fees and costs arising from thereof.
- i. **Assignability:**
No party to the Joint Venture has right to assign or transfer the interest, right or liability in the contract without the written consent of the other party and that of the Railway.
- j. **Use of Machinery, Instruments, Labour Forces, etc.**
The parties here to undertake that whatever the machinery, instruments, Labour force (including unskilled, skilled, inspectors Engineers etc.) they possess at the time of entering into Joint Venture Agreement or which subsequently shall come in their possession and if such machinery, instruments, labour force is required for the speedy and efficient execution of the work, the party/parties having the control over the said machinery, instrument labour force etc. without having any regard to their share of profit and loss agreed to between the parties in Joint venture Agreement shall hand over the same at the disposal of the other party who is actually executing the work for the purpose of execution of the contract without any hindrances and obstacle.
- k. **Duration of MOU**
It shall be valid during entire currency of contract including the period of extension, if any and also till the maintenance period is over or till all the contractual liabilities including warranty/guarantee obligations are discharged completely.
- l. **Applicable Law**
The MOU and any arrangement/agreements regarding the performance shall be constructed and interpreted in accordance with and governed by the Laws of India and shall be subject to the exclusive jurisdiction of the courts at the place where MOU is signed between the parties.
- m. **Settlement of Disputes**

In the event of disputes arising from this MOU, the parties to the MOU undertakes to endeavor to settle the said disputes amongst them amicably. However, if the parties fail to resolve the disputes amongst them amicably, the said disputes arising out of or in connection with the present MOU shall be resolved through Arbitration as per the provisions enshrined under the Arbitration and conciliation Act. 1996 or/ and any statutory modifications made thereafter.

- n. All communication or notices provided for herein shall be in the English language and be delivered, mailed or tele-faxed to the parties addresses as indicated below:

M/s _____ M/s _____

All correspondence and notices to the Joint Venture firm shall be addressed to the Lead Member i.e. M/s _____/Shri _____ at the address stated therein below:

M/s _____

Such communication or notices shall be deemed to have been duly given when so delivered or, if mailed, when received at destination.

- o. Each party shall have full and sole responsibility to bear the expense of and effect the payment of any taxes, duties, special insurance, fees or assessments of any nature whatsoever (Including personal income taxes levied or imposed or any of its employees or personnel or any of its sub-contractor's employees or personnel) including penalties and interest, if any, levied in connection with the execution of this **MOU**.

In witness whereof, the parties have caused this MOU to be executed by their respective authorized representative on the date and year mentioned herein above.

Signature:-

Signature:-

Signature:-

Shri _____ of

Shri _____ of

Shri _____

M/s _____

M/s _____

M/s _____

Witnesses:-

1) Name

Address:

2) Name

Address:

Annexure – K**Current Contract Commitments/works in progress for calculation of Bid Capacity in accordance with Para****10.3 (Annexure VI) of GCC**

Bidders and each partner of the JV should provide information **(Affidavit duly notarized)** on their current commitments on all contract that has been awarded, or letter of acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Contract Commitments (for calculating “B” as per the bid capacity formula)

S	Descr	Contra	Name &	Value	Date of	Date of	Stipulat	Date of	Balance	Value of	Proporti
N	ption	tt no. &	address of	of	award	complete	e ed	openin	Period	balance	on
	of	date	employer/	contra	of	of	period	g of	for	work	Amount
	Work		Tel./Fax/E	ct in	contract	contract	of	this	complet	on date	of
			-mail	Rs.	t		complet	tender	ion of	opening	contract
							ion in		the work		to be
							years=((In		executed
							g-f)/365		years)=(in "N"
									g-i)/365		years**
a	b	c	d	e	f	g	h	i	j	k	L

“Certified that current commitments on all the contracts that have been awarded or for which a letter of intent or acceptance has been received or for the works in progress or the works approaching completion, value of outstanding work has been indicated in the above table correctly. It is further certified that if later on the Railway discovers that information provided in the table is incorrect then the Railway will treat our bid invalid and it will be liable for rejection”

Name of Chartered Accountant Address of Chartered Accountant

Sign. of Tenderer(s)

For CWM CPOH ADI

****Note for Column (l)**

- (i) *In case the balance period for completion of the work (assessed at column j) is less than the period of completion of the present tender, full value of balance work as contained in column (k) shall be taken in column (l).*
- (ii) *In case the balance period for completion of the work (assessed at column j) is more than the period of completion of the present tender, the proportionate Amount to be filled in column (l) shall be calculated as:*

Value of balance work as on date of opening (value in column k) X N Balance Period for completion (value in column j)

SECTION – 4

SPECIAL CONDITIONS OF CONTRACT

SECTION 4

Special Conditions of contract

1. Only authorized dealer of OEM of DEUTZ make engines i.e. M/s. SOUTH CALCUTTA DIESELS PRIVATE LIMITED-KOLKATA is eligible to participate in this tender.
2. Complete engine excluding the peripheral items will be given for overhauling. A joint inspection will be carried out in CPOH workshop before dispatch of engine and accordingly missing items list will be prepared.
3. The engine to be overhauled shall be picked up from CPOH workshop, VTA, Ahmedabad.
4. The contract shall be valid for FY-2026-27 & 2027-28.
5. The bidder has to submit rates schedule wise on IREPS portal & also item wise rates in the Annexures attached with NIT. In the event of any discrepancy, variation, or inconsistency between the schedule item-wise rates quoted on the IREPS portal (within the Financial Tabulation tab) and the detailed breakdown specified in the tender Annexures, the item-wise rates provided in the Annexures shall take absolute precedence and shall be considered final for evaluation and award purposes. Because the financial reasonableness of the offer is strictly assessed on an item-by-item basis (item-wise LAR basis), the comprehensive item-wise rate breakup furnished within the Annexures shall be considered for evaluation. Consequently, for all schedule items—including any additional or multi-item structures where the individual rates originate from the Annexures—the itemized rates shall dictate the valuation over any figures displayed on the IREPS portal.
6. Overhauling shall be carried out at the Premises of OEM's authorized Service Centre.
7. The engine to be sent for overhauling shall be jointly inspected by firm's representative & Railway representative at CPOH. A joint note shall be prepared indicating details of engine and including special features of engine & parameters and accessories / spares required for overhauling and commissioning the engine on Track machine.
8. Schedule for dispatch of released engine from CPOH/VTA to South Calcutta Diesels Pvt. Ltd. Shall be followed as under: -
 - 8.1 On arrival of machine to be overhauled at CPOH/VTA, Firm's representative shall be intimated immediately after the removal of the engine from the machine.
 - 8.2 Engine shall be jointly inspected by Firm's service engineer and Railways for preparation of the list of commissioning items and to ascertain the reusability of peripheral components within 7 days of receipt of information about availability of the engine for inspection.
 - 8.3 The engine requiring overhauling should be dispatched to the Service Centre by Firm within three days of joint inspection by CPOH representative and service engineer. Transit insurance shall be liability of contractor. All types of transit risks shall be liability of contractor. Necessary road permit (Form 38) and assistance for loading and unloading of engine at CPOH workshop will be provided by Railway. The loading and unloading of engine at CPOH workshop, VTA, Ahmedabad will be done by the Railway. In case of any damage/theft etc. during transit, declared cost of engine shall be recovered from contractor. The Railways shall declare & certify value of engine being sent to Service center through certificate.
 - 8.4 The contractor shall arrange to dismantle the engine at their workshop at the earliest maximum up to 7 days after receipt of the engine.

- 8.5 The contractor shall inform the Railway representative for the inspection of the dismantled parts of the engine & accordingly final decision will be taken for the reusability or new parts to be provided on the engine after the joint inspection.
- 8.6 The contractor then provides the list of items to Railway for the approval. After the approval contractor shall arrange to overhaul the engine.
9. The repair shall be carried out as per instructions, guidelines and methodology approved by OEM.
10. The Overhauling of the engine shall be completed within 30 days from the date of approval granted to the firm by the Railway's and within 50 days if 2 engines are being repaired simultaneously. Any additional delay will attract a penalty of ½% (half percent) per week of the overhauling cost of the engine.
11. On completion of overhauling, the testing shall be done at OEM premises at no load condition and after installation of the engine on the machine at CPOH Workshop at load condition and test report be submitted.
12. The test certificate with test observations will be provided by firm for recorded parameters against no load testing at service center and Parameters against load testing of engine.
13. The overhauled engine shall be warranted for 1000 hours from date of commissioning of overhauled engine. For any complaint from the Railways SSE/CPOH/VTA shall inform location of engine once machine is dispatched to Zonal Railways. It shall be responsibility of the firm to attend the complaints at location of machine.
14. The service engineer shall be deputed by firm for fitting engine accessories & commissioning of engine at CPOH/VTA. Unskilled staff shall be provided by CPOH.
15. Schedule of commissioning of overhauled engine shall be followed as under: -
 - 15.1 Overhauled engine to be fixed on machine shall be jointly inspected within 24 hrs after information received from CPOH Workshop through Fax/email/SMS/Whatsapp by service engineer of firm with CPOH representative. The list of commissioning items required shall also be prepared. Items for which rates are given by firm will be supplied on terms and conditions of agreement. Any additional item will be dealt separately.
 - 15.2 The overhauled engine shall be fixed & commissioned on machine at CPOH/VTA within 07 days from the date of joint inspection of engine.
 - 15.3 If the engine is not commissioned within the stipulated time, a penalty @ ½% of complete overhauling cost of the particular engine per week shall be imposed.
 - 15.4 The cost of parts replaced, parts supplied for commissioning of engine and labour charges shall be as per accepted rate.
16. Invoices to be made on the prices accepted and signed contract between CPOH/VTA and firm.
17. Freight and Transit Insurance will be arranged by the contractor.
18. GST as per prevailing rate as per HSN code shall be applicable.
19. **All the release spares shall be submitted to the CPOH VTA Store with the overhauled**

engine.

20. **The supported documents such as GST invoice of OEM for the newly provided spares shall be submitted to the CPOH along with the overhauled engine.**
21. **Payment: 100% payment shall be made upon receipt of a completion and commissioning certificate from the Engineer-in-Charge of the Track Machine/ CPOH/ADI confirming successful execution of the overhauled engine.**
22. **Security Deposit & Performance guarantee will be refunded only after satisfactory completion of warranty period of the last overhauled engine (under the contract) from the date of repairing/overhauling and submission of No-Claim Certificate by the firm as per extant rules of Railway as applicable time to time.**
23. In case of failure during warranty period, engine shall be repaired within 5 days, but if engine requires attention for more than 5 days, then penalty of total cost of overhauling will be charged to the agency. In case of failure for more than one time (no matter minor or major repair), then penalty of Rs. 10000 per day will be levied till the engine is made fully function maximum up to total cost of overhauling. If any failure lead to idling of the machine for more than 07 days, then agency shall provide free of cost overhauled engine to Railway within 07 days.
23. Warranty services, Faults and failures identified in service shall be responded to by the OEM or Authorized Dealer of Deutz make Engines within 12 hours of notification by CPOH ADI, Western Railway & arrange to attend by Deutz India Pacific Limited or his authorized dealer anywhere in India, within 3 days of receipt of information.

SECTION – 5

SCHEDULE OF WORK

SECTION 5

Scope of work: -

- a. Indian Railway is having various on Track Machines for the maintenance of track. Many of On Track machines are powered by the Deutz make Engines. CPOH ADI is responsible for the major over hauling schedules of WR, CR, NWR and WCR prescribed in IRTMM. Maintenance and servicing and overhauling of all Deutz Make Engines is performed and managed by CPOH ADI.
- b. This document details the services to be carried out overhauling of Deutz make engine by the OEM/Authorized dealer of Deutz Make Engines. Maintenance of the Deutz Make Engines requires specialized staff and equipment as well as extensive knowledge of the machine.
- c. Equipment Servicing The objective of any work on the engines is to:
 - i) Maximize (and increase) the life expectancy of the Deutz make Engines
 - ii) Maximize life expectancy of the fleet.
 - iii) Optimize availability and reliability of the fleet.
- d. Scope of work- The Scope of work are for the purpose of carrying out of checking, repairing and maintenance and overhauling of Deutz make Engines fitted on the Track Machines working on the WR, CR, NWR and WCR as when called upon to do so by CPOH-ADI.
- e. MAJOR OVERHAUL: The Major Overhaul is the complete overhaul of the engine and its major components as detailed in the reference documents and this Technical Requirements including:
 - i) Disassembly of the equipment as far as is necessary to replace mandatory components or carry out required inspections of parts to be reused or replaced on condition.
 - ii) Disassembly and overhaul of all sub-assemblies including the after cooler assembly.
 - iii) Inspection of components and reporting of condition including recommendations for additional works where necessary.
 - iv) Replacement of any items due for replacement before the next Major Overhaul (Spares for Replacement will be supplied by Western Railway, as per the list given by OEM after inspection).
 - v) Re-assembly of the equipment, incorporating all the new mandatory spare parts.
 - vi) Any additional works directed by the Engineer.
 - vii) Fill with new engine oil.
 - viii) Testing and certification.
- f. Inspection and Re-use of Components: All engine components / parts that are removed during engine disassembly, and are to be reused in the service, shall be inspected in accordance with the OEM Workshop Manuals.
- g. SERVICES INCLUDED- The OEM or Authorized Dealer of Deutz make Engines shall:
 - i. Carry out overhauling, services as required included servicing or repair to accessories /sub-assemblies / reconditioning of components of all parts, in accordance with the Technical Requirements. Supply all labour and tools as required for the relevant service.
 - ii. Carry out all inspections required by the Technical Requirements and recommend to CPOH-ADI any additional works required as a result of inspections.
 - iii. Provide engineering support to CPOH-ADI throughout the life of the Contract.
 - iv. Provide all written reports as required by the Technical Requirements, including strip down, build, test and commissioning reports.

- v. On completion of each service, carry out all prescribed tests and provide a certificate of completion as referred to in the reference documentation as referred to in the reference documentation.
- h. ON CALL SUPPORT
 - i. The OEM or Authorized Dealer of Deutz Make Engines shall provide 24 hour 7 days a week support to Deutz Make Engines as part of ensuring the on-going reliability of the Track Machines.
 - ii. The OEM or Authorized Dealer of Deutz Make Engines shall have sufficient suitably qualified and skilled people available to attend the respective Service Centre.
 - iii. The support to outlying locations will require the OEM or Authorized Dealer of Deutz Make Engines to attend, diagnose, and remedy faults while the equipment remains attached to the Track Machine and before the Track Machine is timetabled to return to working.
- i. OTHER ENGINEERING SUPPORT -The OEM or Authorized Dealer of Deutz Make Engines shall provide engineering support for the duration of the Contract. The OEM or Authorized Dealer of Deutz make Engines shall Manage with and / or on behalf of CPOH - ADI engineering issues including
 - i. Identification of parts and equipment faults and investigating suitable solutions;
 - ii. Review and investigate equipment and component performance and trends;
 - iii. Review failure modes and options for repair and improvements.
- j. DOCUMENTATION
 - i. Service Documentation: The OEM or Authorized Dealer of Deutz make Engines shall provide the following documentation with each piece of serviced equipment.
 - ii. Listing of parts replaced;
 - iii. A condition report including any measurements taken and details of any non-mandatory parts replaced; details of any parts replaced because replacement was due before next overhaul.
 - iv. Certificate of completion confirming all works have been carried out in accordance with the Technical Requirements, and as directed.
 - v. Any documentation or reports as required in other parts of the Technical Requirements; vii. Details of all modifications to the equipment carried out as part of the service.
- k. QUALITY ASSURANCE
 - i. The OEM or Authorized Dealer of Deutz make Engines shall be subject to regular quality audits by the Engineer's Representative at which the OEM or Authorized Dealer of Deutz make Engines shall make available all equipment calibration certificates, documentation of parts authenticity, proof of adherence to the Technical Requirements, quality of workmanship and any other information required by the Engineer.
- l. Safety Rules: PRECAUTIONS WHILE WORKING IN THE VICINITY OF TRACK:
 - i. The contractor shall not allow any road vehicle belonging to him or his suppliers etc., to ply in railway land next to the running line without permission. The permission will be subject to the following obligatory conditions:
 - 1) The road vehicles and drivers will ply only between sunrise and sunset.
 - 2) Nominated vehicles and drivers will be utilized for work in the presence of at least one flagman and one supervisor certified for such work.
 - 3) The vehicles shall ply 6m. clear of track. Any movement/work at less than 6m and up to minimum 3.5 clear of track center, shall be done only in the presence of railway employee authorized by the Engineer-in-charge. No part of the road vehicle will be allowed at less than 3.5m from track Centre. Cost of such railway employee shall be borne by the railway.
 - 4) The contractor shall remain fully responsible for ensuring safety & in case of any accident, shall bear cost of all damages to this equipment & men and damages to Railway and its passengers.
 - m. All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the persons employed on the site and maintained in a condition suitable for immediate use, and the Contractor should take adequate steps to ensure proper safety measures for men & equipment deployed on work.

SECTION-6

SCHEDULE OF QUANTITIES

Sign. of Tenderer(s)

For CWM/CPOH/ADI

SCHEDULE OF QTY

Name of work: AMC of Overhauling/Schedule maintenance and attending break down work of different types of Diesel Engine model BF12 L 513C, BF06M-1015CP and TCD2015-V08 fitted in various Track machines during POH at CPOH/ADI for 02 years 2026-2027 & 2027-2028.					
Sch/Item No.	Item Description	Unit	Quantity	Unit rate including GST	All inclusive rate in Rs.
Schedule A	Overhauling of DEUTZ make Engine Model no. BF12L 513C for the year 2026-27				
NS-1	Supply of spare parts likely to be supplied for the year 2026-27 must Change for Overhauling spares of model no BF12L 513C (Spare parts having 18% GST) As per attached Annexure-A	Numbers	10	6,143,791.54	61,437,915.40
NS-2	Supply of spare parts likely to be supplied for the year 2026-27 for other schedule maintenance with replacing of peripheral spares and break-down spares of model no BF12L 513C (Spare parts having 18% GST) (Conditional Basis Material) Annexure-E	Lumpsum	1	14,400,000.00	14,400,000.00
NS-3	Repair of engine, components, labour charges and spares model no BF12L 513C for the year 2026-27 (including GST) Annexure-F	Numbers	18	787,566.22	14,176,191.96
Total of Schedule A					90,014,107.36
Schedule B	Service Engineers charges for the year 2026-27				
NS-1	Service Engineers charges per day of 8 hours for carrying out the preventive schedule maintenance (or) for attending the breakdown of DEUTZ engines of Ballast Cleaning machines, Duomatic machines, with this Railway as and when called upon to do so by Railways for the year 2026-27. (including 18% GST)	Per day	148	17,534.80	2,595,150.40
NS-2	Traveling charges for service engineer from Kolkata to the work site and back in shortest route for the year 2026-27.(including 18% GST)	Kilometre	50112	10.03	502,623.36
NS-3	Transportation Charges of complete engine from CPOH/VTA to agency site PUNE and back. ((including GST)	Kilometre	12800	39.90	510,720.00
Total of Schedule B					3,608,493.76
Schedule C	Overhauling of DEUTZ make engines Model no BF12L 513C, BF06M-1015CP and TCD2015V0 for the year 2027-28				
NS-1	Supply of spare parts likely to be supplied for the year 2027-28 must Change for Overhauling spares of model no BF12L 513C (Spare parts having 18% GST) As per Attached Annexure-A	Numbers	4	6,758,137.30	27,032,549.20

Sign. of Tenderer(s)

For CWM/CPOH/ADI

NS-2	Supply of spare parts likely to be supplied for the year 2027-28 including must Change of Overhauling spares of model no BF06M-1015 for New BCM (Spare parts having 18% GST) Annexure-B	Number s	1	5,980,465.38	5,980,465.38
NS-3	Supply of spare parts likely to be supplied for the year 2027-28 including must Change of Overhauling spares of model no BF06M-1015 for DUOMATIC(Spare parts having 18% GST) Annexure-C	Number s	1	6,509,576.20	6,509,576.20
NS-4	Supply of spare parts likely to be supplied for the year 2027-28 for other schedule maintenance with replacing of periphreal spares and break-down spares (Spare parts having 18% GST) for Engines Model No. BF12 L 513C & BF06M-1015CP(Conditional Basis Material) Annexure-E	Lumpsu m	1	10,200,000.00	10,200,000.00
NS-5	Supply of spare parts likely to be supplied for the year 2027-28. Overhauling spares of model no TCD2015V08 (Spare parts having 18% GST) Annexure-D	Lumpsu m	1	12,000,000.00	12,000,000.00
NS-6	Repair of engine, components, labour charges and spares model no BF12L 513C for the year 2027-28 (including 18% GST) Annexure-F	Number s	6	851,748.78	5,110,492.68
NS-7	Repair of engine, components, labour charges and spares model no BF06M-1015 (New DUO & New BCM) for the year 2027-28 (including 18% GST) Annexure-F	Number s	4	818,340.62	3,273,362.48
NS-8	Repair of engine, components, labour charges and spares model no.TCD2015V08 for the year 2027-28 (including 18% GST) Annexure-F	Number s	4	1,405,223.06	5,620,892.24
Total of Schedule C					75,727,338.18
Schedule D	Service Engineers charges for the year 2027-28				
NS-1	Service Engineers charges per day of 8 hours for carrying Engineers charges per day of 8 hours for carrying out the preventive schedule maintenance (or) for attending the breakdown of DEUTZ engines of Ballast Cleaning machines, Duomatic machines, with this Railway as and when called upon to do so by Railways for the year 2027-28. (including 18% GST)	Per day	116	18,937.82	2,196,787.12
NS-2	Traveling charges for service engineer from Kolkata to the work site and back in shortest route for the year 2027-28. (including 18% GST)	Kilometr e	38976	10.62	413,925.12
NS-3	Transportation Charges of complete engine from CPOH/VTA to agency site PUNE and back. (including GST)	Kilometr e	10240	39.90	408,576.00

Sign. of Tenderer(s)

For CWM/CPOH/ADI

Total of Schedule D									3,019,288.24
Grand Total									₹ 172,369,227.54

Annexure-A**Must change spares Price List of 1 no. Deutz Engines Model No. BF12 L 513C (18% GST)**

Sl. No.	Description	HSN Code	GST %	Figure No.	Qty	2026-27 Basic Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Basic Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	BLANKING COVER	84099990	18	0148-01-001	1	5,331.00	6,290.58	5,864.00	6,919.52
2	BLANKING COVER	84099990	18	0148-01-006	1	1,564.00	1,845.52	1,720.00	2,029.60
3	CORE HOLE CATCH	73182990	18	0148-01-009	1	934.00	1,102.12	1,027.00	1,211.86
4	BUSHING	40169990	18	0148-01-015	1	1,903.00	2,245.54	2,093.00	2,469.74
5	BUSHING	40169990	18	0148-01-016	6	1,420.00	10,053.60	1,562.00	11,058.96
6	COMPRESSION SPRING	84099990	18	0148-01-021	1	5,054.00	5,963.72	5,559.00	6,559.62
7	RUBBER HOSE	40093100	18	0148-01-02149331	1	17,764.00	20,961.52	19,540.00	23,057.20
8	MAIN BEARING	84833000	18	0148-01-028	7	6,806.00	56,217.56	7,487.00	61,842.62
9	RADIAL SHAFT SEALING RING	84842000	18	0148-01-043	1	12,572.00	14,834.96	13,829.00	16,318.22
10	RUBBER RING	40169960	18	0148-01-048	1	1,894.00	2,234.92	2,083.00	2,457.94
11	HOSE CLIP	40093100	18	0148-01-165	4	641.00	3,025.52	705.00	3,327.60
12	RUBBER SLEEVE	40169960	18	0148-01-166	1	6,012.00	7,094.16	6,613.00	7,803.34
13	VACUUM HOSE	40093100	18	0148-01-167	1	28,374.00	33,481.32	31,211.00	36,828.98
14	VALVE INSERT	84818090	18	0148-01-183	2	35,296.00	83,298.56	38,826.00	91,629.36
15	RUBBER SLEEVE	40169960	18	0148-01-198	1	6,528.00	7,703.04	7,181.00	8,473.58
16	RUBBER SLEEVE	40169960	18	0148-01-201	1	2,998.00	3,537.64	3,298.00	3,891.64
17	SHIM	84099990	18	0148-01-2297	2	5,682.00	13,409.52	6,250.00	14,750.00
18	RUBBER SLEEVE	40169990	18	0148-01-270	1	8,672.00	10,232.96	9,539.00	11,256.02

Sign. of Tenderer(s)

For CWM/CPOH/ADI

19	RADIAL SHAFT SEALING RING	84842000	18	0148-01-368	1	8,447.00	9,967.46	9,292.00	10,964.56
20	RUBBER SLEEVE	40169960	18	0148-01-482	1	6,012.00	7,094.16	6,613.00	7,803.34
21	CYLINDER	84099990	18	0148-04-001	12	79,123.00	1,120,381.68	87,035.00	1,232,415.60
22	INTERMEDIATE RING	40169990	18	0148-04-002	12	3,090.00	43,754.40	3,399.00	48,129.84
23	GROOVED BALL BEARING	84828000	18	0148-05-048	1	21,335.00	25,175.30	23,469.00	27,693.42
24	CON ROD BEARING {STD}	84833000	18	0148-06-003	12	4,132.00	58,509.12	4,545.00	64,357.20
25	PISTON	84099990	18	0148-07-001	12	115,569.00	1,636,457.04	127,126.00	1,800,104.16
26	INLET VALVE	84818090	18	0148-08-001	12	8,167.00	115,644.72	8,984.00	127,213.44
27	VALVE SEAT RING	84818090	18	0148-08-002	12	2,722.00	38,543.52	2,994.00	42,395.04
28	OUTLET VALVE	84818090	18	0148-08-003	12	6,734.00	95,353.44	7,407.00	104,883.12
29	VALVE SEAT RING	84818090	18	0148-08-004	12	3,506.00	49,644.96	3,857.00	54,615.12
30	VALVE GUIDE	84818090	18	0148-08-011	12	2,701.00	38,246.16	2,971.00	42,069.36
31	VALVE GUIDE	84818090	18	0148-08-012	12	3,738.00	52,930.08	4,112.00	58,225.92
32	SHIM RING (2.9 MM)	84099990	18	0148-08-031	12	9,570.00	135,511.20	10,527.00	149,062.32
33	VALVE SHAFT SEAL	84842000	18	0148-08-047	24	1,593.00	45,113.76	1,752.00	49,616.64
34	VALVE TAPPET	84818090	18	0148-11-001	24	6,319.00	178,954.08	6,951.00	196,852.32
35	O-RING	40169990	18	0148-11-002	2	2,275.00	5,369.00	2,503.00	5,907.08
36	EXCHANGE FILTER	84212300	18	0148-15-021	2	4,604.00	10,865.44	5,064.00	11,951.04
37	LOCKING PLATE	84099990	18	0148-15-022	1	1,870.00	2,206.60	2,057.00	2,427.26
38	HOSE CLIP	40093100	18	0148-15-023	2	860.00	2,029.60	946.00	2,232.56
39	CLAMPING SECTION	84099990	18	0148-15-162	2	8,699.00	20,529.64	9,569.00	22,582.84
40	GASKET	40169990	18	0148-16-009	2	215.00	507.40	237.00	559.32

Sign. of Tenderer(s)

For CWM/CPOH/ADI

41	GASKET	4016999 0	18	0148-16-028	2	519.00	1,224.84	571.00	1,347.56
42	HOSE CLIP	4009310 0	18	0148-16-031	4	553.00	2,610.16	608.00	2,869.76
43	RUBBER HOSE	4009310 0	18	0148-16-032	2	9,344.00	22,051.84	10,278.00	24,256.08
44	CONNECTION PIECE	8409999 0	18	0148-17-004	1	5,629.00	6,642.22	6,192.00	7,306.56
45	RADIAL SHAFT SEALING RING	8484200 0	18	0148-18-020	1	6,089.00	7,185.02	6,698.00	7,903.64
46	BEARING BUSH	8483300 0	18	0148-18-021	1	9,042.00	10,669.56	9,946.00	11,736.28
47	RUBBER SLEEVE	4016996 0	18	0148-21-014	12	1,349.00	19,101.84	1,484.00	21,013.44
48	INJECTION LINE	8409999 0	18	0148-21-030	1	14,877.00	17,554.86	16,365.00	19,310.70
49	HOSE CLIP	4009310 0	18	0148-22-107	4	1,201.00	5,668.72	1,321.00	6,235.12
50	RUBBER SLEEVE	4016996 0	18	0148-22-108	2	7,664.00	18,087.04	8,430.00	19,894.80
51	RUBBER SLEEVE	4016996 0	18	0148-22-207	4	16,037.00	75,694.64	17,641.00	83,265.52
52	TENSION SPRING	8409999 0	18	0148-29-041	1	2,081.00	2,455.58	2,289.00	2,701.02
53	O-RING	4016999 0	18	0148-33-129	1	1,903.00	2,245.54	2,093.00	2,469.74
54	AIR COMPRESSOR	8409999 0	18	0148-33-135	1	347,399.0 0	409,930.82	382,139.0 0	450,924.02
55	HOSE CLIP	4009310 0	18	0148-33-185	4	641.00	3,025.52	705.00	3,327.60
56	VACUUM HOSE	4009310 0	18	0148-33-186	1	36,447.00	43,007.46	40,092.00	47,308.56
57	VACUUM HOSE	4009310 0	18	0148-33-187	1	49,833.00	58,802.94	54,816.00	64,682.88
58	GROOVED BALL BEARING	8482800 0	18	0148-39-123	1	8,699.00	10,264.82	9,569.00	11,291.42
59	RADIAL SHAFT SEALING RING	8484200 0	18	0148-39-125	1	6,851.00	8,084.18	7,536.00	8,892.48
60	O-RING	4016999 0	18	0148-39-127	1	1,335.00	1,575.30	1,469.00	1,733.42
61	LOCKING PLATE	8409999 0	18	0148-39-129	1	368.00	434.24	405.00	477.90
62	GROOVED NUT	7318299 0	18	0148-39-130	1	3,875.00	4,572.50	4,263.00	5,030.34

Sign. of Tenderer(s)

For CWM/CPOH/ADI

63	RADIAL SHAFT SEALING RING	84842000	18	0148-39-131	1	6,136.00	7,240.48	6,750.00	7,965.00
64	SHAFT SEALING RING	84842000	18	0148-39-171	2	6,274.00	14,806.64	6,901.00	16,286.36
65	GROOVED BALL BEARING	84828000	18	0148-39-174	2	5,442.00	12,843.12	5,986.00	14,126.96
66	RUBBER BUFFER	40169960	18	0148-39-198	5	4,612.00	27,210.80	5,073.00	29,930.70
67	RADIAL SHAFT SEALING RING	84842000	18	0148-39-201	1	9,712.00	11,460.16	10,683.00	12,605.94
68	SHIM	84099990	18	0148-39-208	1	2,217.00	2,616.06	2,439.00	2,878.02
69	CLAMPING SHEET	84099990	18	0148-40-004	2	2,184.00	5,154.24	2,402.00	5,668.72
70	CLAMPING SECTION	84099990	18	0148-40-017	1	8,699.00	10,264.82	9,569.00	11,291.42
71	SEALING PROFILE	40169990	18	0148-40-019	2	1,086.00	2,562.96	1,195.00	2,820.20
72	WASHER	73182200	18	0148-40-023	8	1,508.00	14,235.52	1,659.00	15,660.96
73	STOPPER	85114000	18	0148-40-037	2	1,212.00	2,860.32	1,333.00	3,145.88
74	STOPPER	85114000	18	0148-40-040	2	4,612.00	10,884.32	5,073.00	11,972.28
75	STOPPER	85114000	18	0148-40-043	2	1,257.00	2,966.52	1,383.00	3,263.88
76	STOPPER	85114000	18	0148-40-047	1	577.00	680.86	635.00	749.30
77	SECTIONAL RUBBER	40169990	18	0148-40-139	2	1,397.00	3,296.92	1,537.00	3,627.32
78	CLAMPING SECTION	84099990	18	0148-40-145	2	10,035.00	23,682.60	11,039.00	26,052.04
79	RUBBER BUFFER	40169960	18	0148-40-179	10	2,308.00	27,234.40	2,539.00	29,960.20
80	RECTANGULAR RING	40169990	18	0148-41-084	4	1,212.00	5,720.64	1,333.00	6,291.76
81	COLLAR NUT	73182990	18	0148-41-088	48	554.00	31,378.56	609.00	34,493.76
82	REPAIR KIT	84149020	18	0148-43-000	2	59,284.00	139,910.24	65,212.00	153,900.32
83	HEXAGON HEAD SCREW	73182990	18	0148-43-001	8	8,374.00	79,050.56	9,211.00	86,951.84
84	STAND FOOT	40169960	18	0148-46-005	1	103,573.00	122,216.14	113,930.00	134,437.40

Sign. of Tenderer(s)

For CWM/CPOH/ADI

85	CABLE HARNESS	85444299	18	0148-48-081	1	56,980.00	67,236.40	62,678.00	73,960.04
86	RADIAL SHAFT SEALING RING	84842000	18	0148-51-013	1	2,908.00	3,431.44	3,199.00	3,774.82
87	CLUTCH DISK	84099990	18	0148-52-121	1	236,149.00	278,655.82	259,764.00	306,521.52
88	BALL SOCKET	84099990	18	0148-52-127	1	5,585.00	6,590.30	6,144.00	7,249.92
89	BALL STUD	73182990	18	0148-52-128	1	21,422.00	25,277.96	23,564.00	27,805.52
90	SHAFT SEALING RING	84842000	18	0148-52-132	1	11,538.00	13,614.84	12,692.00	14,976.56
91	GROOVED BALL BEARING	84828000	18	0148-52-133	1	17,991.00	21,229.38	19,790.00	23,352.20
92	SHAFT SEALING RING	84842000	18	0148-52-6431	1	6,507.00	7,678.26	7,158.00	8,446.44
93	SHAFT SEALING RING	84842000	18	0148-52-6433	1	4,362.00	5,147.16	4,798.00	5,661.64
94	LOCK/YOKE	73182990	18	0148-56-003	3	78.00	276.12	86.00	304.44
95	JOINT	84099990	18	0148-56-004	1	17,071.00	20,143.78	18,778.00	22,158.04
96	REVERSING LEVER	84099990	18	0148-56-005	2	28,602.00	67,500.72	31,462.00	74,250.32
97	BUSHING	40169990	18	0148-56-007	1	5,394.00	6,364.92	5,933.00	7,000.94
98	WASHER	73182200	18	0148-56-008	1	254.00	299.72	279.00	329.22
99	HOSE CLIP	40093100	18	0148-58-001	4	860.00	4,059.20	946.00	4,465.12
100	RUBBER SLEEVE	40169960	18	0148-58-002	2	32,758.00	77,308.88	36,034.00	85,040.24
101	RUBBER SLEEVE	40169960	18	0148-58-016	2	9,943.00	23,465.48	10,937.00	25,811.32
102	HOSE CLIP	40093100	18	0148-58-017	4	474.00	2,237.28	521.00	2,459.12
103	GASKET SET	40169990	18	0148-90-001	1	192,842.00	227,553.56	212,126.00	250,308.68
104	Deutz Oil (20 LTR.)(DQC-II)	27101980	18	0148-90-6332	2	8,573.00	20,232.28	9,430.00	22,254.80
TOTAL							₹ 6,143,791.54		₹ 6,758,137.30

Sign. of Tenderer(s)

For CWM/CPOH/ADI

Annexure-B**Must Change Price List of Deutz Engines Spares of Model No.BF06M-1015CP (18% GST) for New BCM**

Sl. No.	NEW Description	HSN Code	GST %	FIGURE NO.	Qty	2027-28 Rate Each (Rs.)	Amount of 2027-28 inclusive GST
1	BEARING BUSH	84828000	18	0165A-01-013	1	3,951.00	4,662.18
2	BEARING BUSH	84828000	18	0165A-01-014	3	3,233.00	11,444.82
3	COMPRESSION SPRING	84099990	18	0165A-01-026	1	5,034.00	5,940.12
4	RADIAL SHAFT SEALING RING	84842000	18	0165A-01-029	1	24,878.00	29,356.04
5	OIL SEPARATOR	84099990	18	0165A-01-051	1	88,314.00	104,210.52
6	HOSE CLIP	40093100	18	0165A-01-053	8	552.00	5,210.88
7	RUBBER SLEEVE	40169960	18	0165A-01-054	4	7,487.00	35,338.64
8	RADIAL SHAFT SEALING RING	84842000	18	0165A-01-093	1	25,008.00	29,509.44
9	SEALING RING	40169990	18	0165A-01-127	2	2,638.00	6,225.68
10	CYLINDER LINER	84099990	18	0165A-01-161	6	62,578.00	443,052.24
11	CRANKSHAFT BEARING (STD)	84833000	18	0165A-05-004	8	11,130.00	105,067.20
12	SHIM	84099990	18	0165A-05-005	2	5,722.00	13,503.92
13	CON ROD BEARING (STD)	84833000	18	0165A-05-006	6	13,724.00	97,165.92
14	PISTON	84099990	18	0165A-07-001	6	88,484.00	626,466.72
15	VALVE SHAFT SEAL	84842000	18	0165A-08-004	24	1,297.00	36,731.04
16	VALVE GUIDE	84818090	18	0165A-08-005	24	3,927.00	111,212.64
17	VALVE SEAT RING	84818090	18	0165A-08-009	12	8,415.00	119,156.40
18	VALVE SEAT RING	84818090	18	0165A-08-010	12	3,824.00	54,147.84
19	INLET VALVE	84818090	18	0165A-08-011	12	20,522.00	290,591.52
20	OUTLET VALVE	84818090	18	0165A-08-012	12	7,235.00	102,447.60
21	CYLINDER HEAD SEAL (1 NOTCH)	40169990	18	0165A-08-016	6	16,673.00	118,044.84

Sign. of Tenderer(s)

For CWM/CPOH/ADI

22	CYLINDER HEAD SEAL (2 NOTCH)	40169990	18	0165A-08-017	6	17,187.00	121,683.96
23	CYLINDER HEAD SEAL (3 NOTCH)	40169990	18	0165A-08-018	6	17,187.00	121,683.96
24	GASKET	40169990	18	0165A-08-028	6	2,744.00	19,427.52
25	ADJUSTMENT SCREW	73182990	18	0165A-11-006	10	11,591.00	136,773.80
26	VALVE TAPPET	84818090	18	0165A-11-010	12	18,593.00	263,276.88
27	EXCHANGE FILTER	84212300	18	0165A-15-001	1	9,057.00	10,687.26
28	RUBBER HOSE	40093100	18	0165A-16-073	2	9,308.00	21,966.88
29	PRESSURE VALVE	84818090	18	0165A-17-084	6	58,536.00	414,434.88
30	PUMPING ELEMENT	84138190	18	0165A-17-086	6	98,580.00	697,946.40
31	Gasket Kit	40169990	18	0165A-17-121	2	13,955.00	32,933.80
32	NOZZLE	84099990	18	0165A-19-002	6	18,593.00	131,638.44
33	FUEL EXCHANGE FILTER	84212300	18	0165A-20-010	2	5,180.00	12,224.80
34	INJECTION LINE	84099990	18	0165A-21-001	1	29,496.00	34,805.28
35	INJECTION LINE	84099990	18	0165A-21-002	1	28,726.00	33,896.68
36	INJECTION LINE	84099990	18	0165A-21-003	1	28,726.00	33,896.68
37	PLEATED HOSE	40093100	18	0165A-22-082	1	155,868.00	183,924.24
38	O-RING	40169990	18	0165A-33-004	2	9,488.00	22,391.68
39	SUCTION INTAKE PIPE	84099990	18	0165A-33-012	1	80,717.00	95,246.06
40	FILLER LOCK	84099990	18	0165A-36-003	1	13,977.00	16,492.86
41	RUBBER SLEEVE	40169990	18	0165A-36-014	2	33,697.00	79,524.92
42	HOSE CLIP	40093100	18	0165A-36-081	8	4,691.00	44,283.04
43	RUBBER SLEEVE	40169960	18	0165A-36-082	1	31,321.00	36,958.78
44	RUBBER SLEEVE	40169960	18	0165A-36-084	2	20,202.00	47,676.72
45	HOSE CLIP	40093100	18	0165A-36-085	4	5,580.00	26,337.60
46	CONNECTION SLEEVE	40169960	18	0165A-36-092	1	54,427.00	64,223.86

47	RUBBER SLEEVE	40169960	18	0165A-36-094	1	31,321.00	36,958.78
48	COOLANT PUMP	84138190	18	0165A-37-025	1	299,093.00	352,929.74
49	SERVICE PARTS	84099990	18	0165A-38-015	1	4,756.00	5,612.08
50	RADIAL SHAFT SEALING RING	84842000	18	0165A-39-043	1	19,620.00	23,151.60
51	GASKET	40169990	18	0165A-41-041	1	25,846.00	30,498.28
52	REPAIR KIT	84149020	18	0165A-43-008	1	78,994.00	93,212.92
53	GASKET	40169990	18	0165A-43-010	2	15,886.00	37,490.96
54	GASKET SET	40169990	18	0165A-90-001	1	179,788.00	212,149.84
55	Deutz Oil (20LTR)(DQC-III)	27101980	18	0165A-90-6336	2	11,709.00	27,633.24
56	COOLING SYSTEM PROTECTION (20 LTR.)	34039900	18	0165A-90-7991	2	29,752.00	70,214.72
57	NARROW V-BELT SET	40169990	18	0165A-44-129	1	13,210.00	15,587.80
58	EYEBOLT	73182990	18	0165A-44-131	1	17,968.00	21,202.24
TOTAL							₹ 5,980,465.38

Annexure-C**Must Change Price List of Deutz Engines Spares of Model No.BF06M-1015CP For DUOMATIC Machines (18% GST)**

Sl. No.	NEW Description	HSN Code	GST %	GST %	Qty	2027-28 Rate Each (Rs.)	Rate for 2027-28 inclusive GST
1	BEARING BUSH	84828000	18	0165-01-013	1	3,951.00	4,662.18
2	BEARING BUSH	84828000	18	0165-01-014	3	3,233.00	11,444.82
3	RADIAL SHAFT SEALING RING	84842000	18	0165-01-029	1	24,878.00	29,356.04
4	CYLINDER LINER	84099990	18	0165-01-161	6	62,578.00	443,052.24
5	OIL SEPARATOR	84212300	18	0165-01-051	1	63,605.00	75,053.90
6	HOSE CLIP	40093100	18	0165-01-053	8	552.00	5,210.88
7	RUBBER SLEEVE	40169960	18	0165-01-054	4	7,487.00	35,338.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

8	RADIAL SHAFT SEALING RING	84842000	18	0165-01-093	1	25,008.00	29,509.44
9	SEALING RING	40169990	18	0165-01-127	2	2,638.00	6,225.68
10	CRANKSHAFT BEARING (STD)	84833000	18	0165-05-004	8	11,130.00	105,067.20
11	SHIM	84099990	18	0165-05-005	2	5,722.00	13,503.92
12	CON ROD BEARING (STD)	84833000	18	0165-05-006	6	13,724.00	97,165.92
13	PISTON	84099990	18	0165-07-001	6	88,484.00	626,466.72
14	VALVE SHAFT SEAL	84842000	18	0165-08-004	24	1,297.00	36,731.04
15	VALVE GUIDE	84818090	18	0165-08-005	24	3,927.00	111,212.64
16	VALVE SEAT RING	84818090	18	0165-08-009	12	8,415.00	119,156.40
17	VALVE SEAT RING	84818090	18	0165-08-010	12	3,824.00	54,147.84
18	INLET VALVE	84818090	18	0165-08-011	12	20,522.00	290,591.52
19	OUTLET VALVE	84818090	18	0165-08-012	12	7,235.00	102,447.60
20	CYLINDER HEAD SEAL (1 NOTCH)	40169990	18	0165-08-016	6	16,673.00	118,044.84
21	CYLINDER HEAD SEAL (2 NOTCH)	40169990	18	0165-08-017	6	17,187.00	121,683.96
22	CYLINDER HEAD SEAL (3 NOTCH)	40169990	18	0165-08-018	6	17,187.00	121,683.96
23	GASKET	40169990	18	0165-08-028	6	2,744.00	19,427.52
24	ADJUSTMENT SCREW	73182990	18	0165-11-006	10	11,591.00	136,773.80
25	VALVE TAPPET	84818090	18	0165-11-010	12	18,593.00	263,276.88
26	EXCHANGE FILTER	84212300	18	0165-15-001	1	9,057.00	10,687.26
27	RUBBER HOSE	40093100	18	0165-16-073	2	9,308.00	21,966.88
28	NOZZLE	84099990	18	0165-19-002	6	18,593.00	131,638.44
29	FUEL EXCHANGE FILTER	84212300	18	0165-20-010	2	5,180.00	12,224.80
30	INJECTION LINE	84099990	18	0165-21-001	1	29,496.00	34,805.28
31	INJECTION LINE	84099990	18	0165-21-002	1	28,726.00	33,896.68
32	INJECTION LINE	84099990	18	0165-21-003	1	28,726.00	33,896.68

Sign. of Tenderer(s)

For CWM/CPOH/ADI

33	PLEATED HOSE	40093100	18	0165-22-082	1	155,868.00	183,924.24
34	O-RING	40169990	18	0165-33-004	2	9,488.00	22,391.68
35	FILLER LOCK	84099990	18	0165-36-003	1	13,977.00	16,492.86
36	RUBBER SLEEVE	40169960	18	0165-36-014	2	31,321.00	73,917.56
37	REPAIR KIT / WATER PUMP	84138190	18	0165-37-025	1	230,569.00	272,071.42
38	RADIAL SHAFT SEALING RING	84842000	18	0165-39-043	1	19,620.00	23,151.60
39	REPAIR KIT	84149020	18	0165-43-008	1	78,994.00	93,212.92
40	NARROW V-BELT SET	40169990	18	0165-44-129	1	13,210.00	15,587.80
41	GASKET SET	40169990	18	0165-90-001	1	179,788.00	212,149.84
42	DEUTZ OIL(20Ltr)(DQC-III)	27101980	18	0165-90-6336	2	11,709.00	27,633.24
43	COOLING SYSTEM PROTECTION (20 LTR.)	34039900	18	0165-90-7991	2	29,752.00	70,214.72
44	PACKING COMPOUND	32141000	18	0165-02-031	2	8,590.00	20,272.40
45	GASKET	40169990	18	0165-16-121	1	215.00	253.70
46	GASKET	40169990	18	0165-16-131	1	608.00	717.44
47	RUBBER HOSE	40093100	18	0165-16-135	1	9,308.00	10,983.44
48	PRESSURE VALVE	84818090	18	0165-17-084	6	58,536.00	414,434.88
49	PUMPING ELEMENT	84138190	18	0165-17-086	6	98,580.00	697,946.40
50	Gasket Kit	40169990	18	0165-17-121	2	13,955.00	32,933.80
51	RUBBER SLEEVE	40169960	18	0165-22-136	1	11,493.00	13,561.74
52	Repair Kit	84149020	18	0165-33-1511	2	214,940.00	507,258.40
53	VACUUM HOSE	40093100	18	0165-33-012	1	33,377.00	39,384.86
54	HOSE CLIP	40093100	18	0165-36-081	8	4,691.00	44,283.04
55	RUBBER SLEEVE	40169960	18	0165-36-082	1	31,321.00	36,958.78
56	RUBBER SLEEVE	40169960	18	0165-36-084	2	20,202.00	47,676.72
57	HOSE CLIP	40093100	18	0165-36-085	4	5,580.00	26,337.60

Sign. of Tenderer(s)

For CWM/CPOH/ADI

58	CONNECTION SLEEVE	40169960	18	0165-36-092	1	54,427.00	64,223.86
59	RUBBER SLEEVE	40169960	18	0165-36-094	1	31,321.00	36,958.78
60	GASKET	40169990	18	0165-41-041	1	25,846.00	30,498.28
61	GASKET	40169990	18	0165-43-010	2	15,886.00	37,490.96
62	NARROW V-BELTS	40169990	18	0165-44-010	1	9,179.00	10,831.22
63	EYEBOLT	73182990	18	0165-44-131	1	17,968.00	21,202.24
64	SHIM RING	84099990	18	0165-01-3706	6	11,220.00	79,437.60
65	COMPRESSION SPRING	84099990	18	0165-01-026	1	5,034.00	5,940.12
66	PROFILE HOSE	40093100	18	0165-38-015	1	3,660.00	4,318.80
67	VACUUM HOSE	40093100	18	0165-33-012A	1	49,637.00	58,571.66
TOTAL							6,509,576.20

Annexure-D**SPARE PARTS FOR DEUTZ ENGINE MODEL NO. TCD2015V08**

Sl. No.	NEW Description	Serpic HSN Code	GST %	FIGURE NO.	2027-28 Rate Each (Rs.)	2027-28 Rate inclusive GST
1	BUSHING	40169990	18	0165-01-002-V08	1,011.00	1,192.98
2	VENTING PIPE	84099990	18	0165-01-008-V08	26,142.00	30,847.56
3	BEARING BUSH	84828000	18	0165-01-013-V08	3,951.00	4,662.18
4	BEARING BUSH	84828000	18	0165-01-014-V08	3,233.00	3,814.94
5	NOZZLE	84099990	18	0165-01-016-V08	14,111.00	16,650.98
6	PRESSURE RELIEF VALVE	84818090	18	0165-01-017-V08	3,028.00	3,573.04
7	HEXAGON HEAD SCREW	73182990	18	0165-01-018-V08	5,823.00	6,871.14
8	BLANKING COVER	84099990	18	0165-01-020-V08	707.00	834.26
9	HEXAGON HEAD SCREW	73182990	18	0165-01-021-V08	14,207.00	16,764.26
10	LOCKING SCREW	73182990	18	0165-01-022-V08	6,129.00	7,232.22
11	SEALING RING	40169990	18	0165-01-023-V08	618.00	729.24

Sign. of Tenderer(s)

For CWM/CPOH/ADI

12	HOUSING	84099990	18	0165-01-024-V08	17,968.00	21,202.24
13	ADJUSTMENT SCREW	73182990	18	0165-01-025-V08	14,219.00	16,778.42
14	COMPRESSION SPRING	84099990	18	0165-01-026-V08	5,034.00	5,940.12
15	VALVE PISTON	84818090	18	0165-01-027-V08	15,440.00	18,219.20
16	RADIAL SHAFT SEALING RING	84842000	18	0165-01-029-V08	24,878.00	29,356.04
17	GASKET	40169990	18	0165-01-030-V08	3,824.00	4,512.32
18	REAR COVER	84099990	18	0165-01-031-V08	130,223.00	153,663.14
19	CENTERING SLEEVE	84099990	18	0165-01-032-V08	1,601.00	1,889.18
20	SEALING RING	40169990	18	0165-01-033-V08	205.00	241.90
21	CYLINDER SCREW	73182990	18	0165-01-034-V08	1,015.00	1,197.70
22	EYEBOLT	73182990	18	0165-01-036-V08	27,731.00	32,722.58
23	OIL DIPSTICK	73182990	18	0165-01-046-V08	69,145.00	81,591.10
24	O-RING	40169990	18	0165-01-047-V08	824.00	972.32
25	GUIDE TUBE	40169990	18	0165-01-048-V08	36,970.00	43,624.60
26	SEALING RING	40169990	18	0165-01-049-V08	163.00	192.34
27	THREADED SOCKET	84099990	18	0165-01-050-V08	9,552.00	11,271.36
28	OIL SEPARATOR	84212300	18	0165-01-051-V08	110,907.00	130,870.26
29	O-RING	40169990	18	0165-01-052-V08	1,151.00	1,358.18
30	HOSE CLIP	40093100	18	0165-01-053-V08	638.00	752.84
31	RUBBER SLEEVE	40169960	18	0165-01-054-V08	7,487.00	8,834.66
32	LOCKING SCREW	73182990	18	0165-01-060-V08	2,343.00	2,764.74
33	WASHER	73182200	18	0165-01-082-V08	205.00	241.90
34	CYLINDER SCREW	73182990	18	0165-01-083-V08	3,700.00	4,366.00
35	CYLINDER SCREW	73182990	18	0165-01-084-V08	3,407.00	4,020.26
36	CYLINDER SCREW	73182990	18	0165-01-091-V08	2,452.00	2,893.36

Sign. of Tenderer(s)

For CWM/CPOH/ADI

37	CYLINDER SCREW	73182990	18	0165-01-092-V08	1,164.00	1,373.52
38	RADIAL SHAFT SEALING RING	84842000	18	0165-01-093-V08	25,008.00	29,509.44
39	CYLINDER SCREW	73182990	18	0165-01-094-V08	5,195.00	6,130.10
40	LOCKING SCREW	73182990	18	0165-01-097-V08	2,343.00	2,764.74
41	SEALING RING	40169990	18	0165-01-098-V08	205.00	241.90
42	O-RING	40169990	18	0165-01-099-V08	3,372.00	3,978.96
43	O-RING	40169990	18	0165-01-100-V08	1,918.00	2,263.24
44	GASKET	40169990	18	0165-01-101-V08	24,236.00	28,598.48
45	BOLT	84099990	18	0165-01-104-V08	44,629.00	52,662.22
46	IDLER GEAR	84839000	18	0165-01-105-V08	241,458.00	284,920.44
47	SHIM	84099990	18	0165-01-106-V08	14,888.00	17,567.84
48	BUSHING	40169990	18	0165-01-108-V08	3,014.00	3,556.52
49	GASKET	40169990	18	0165-01-109-V08	13,254.00	15,639.72
50	WHEEL HOUSING COVER	84099990	18	0165-01-110-V08	66,948.00	78,998.64
51	HEXAGON HEAD SCREW	73182990	18	0165-01-111-V08	1,286.00	1,517.48
52	CYLINDER LINER	84099990	18	0165-01-161-V08	62,578.00	73,842.04
53	O-RING	40169990	18	0165-01-162-V08	8,233.00	9,714.94
54	CYLINDER SCREW	73182990	18	0165-01-165-V08	1,834.00	2,164.12
55	WASHER	73182200	18	0165-01-167-V08	3,115.00	3,675.70
56	BEARING BUSH	84828000	18	0165-01-4021-V08	11,657.00	13,755.26
57	BEARING BUSH	84828000	18	0165-01-4022-V08	11,524.00	13,598.32
58	BEARING BUSH	84828000	18	0165-01-4023-V08	11,421.00	13,476.78
59	BEARING BUSH	84828000	18	0165-01-4024-V08	10,460.00	12,342.80
60	BEARING BUSH	84828000	18	0165-01-4025-V08	10,826.00	12,774.68
61	GASKET	40169990	18	0165-02-001-V08	28,583.00	33,727.94

Sign. of Tenderer(s)

For CWM/CPOH/ADI

62	LOCKING SCREW	73182990	18	0165-02-003-V08	6,129.00	7,232.22
63	SEALING RING	40169990	18	0165-02-004-V08	618.00	729.24
64	WASHER	73182200	18	0165-02-005-V08	601.00	709.18
65	HEXAGON HEAD SCREW	73182990	18	0165-02-008-V08	770.00	908.60
66	WASHER	73182200	18	0165-02-011-V08	2,947.00	3,477.46
67	HEXAGON HEAD SCREW	73182990	18	0165-02-012-V08	1,084.00	1,279.12
68	CYLINDER SCREW	73182990	18	0165-05-002-V08	7,256.00	8,562.08
69	CLAMPING SLEEVE	84099990	18	0165-05-003-V08	649.00	765.82
70	CRANKSHAFT BEARING {STD}	84833000	18	0165-05-004-V08	40,968.00	48,342.24
71	CRANKSHAFT BEARING (1st U/S)	84833000	18	0165-05-004/1-V08	90,257.00	106,503.26
72	CRANKSHAFT BEARING (2nd U/S)	84833000	18	0165-05-004/2-V08	107,908.00	127,331.44
73	CRANKSHAFT BEARING (3rd U/S)	84833000	18	0165-05-004/3-V08	125,892.00	148,552.56
74	CRANKSHAFT BEARING (4th U/S)	84833000	18	0165-05-004/4-V08	141,876.00	167,413.68
75	SHIM (STD)	84099990	18	0165-05-005-V08	15,455.00	18,236.90
76	SHIM (1st U/S)	84099990	18	0165-05-005/1-V08	60,615.00	71,525.70
77	CON ROD BEARING (STD)	84833000	18	0165-05-006-V08	26,647.00	31,443.46
78	CON ROD BEARING (1st U/S)	84833000	18	0165-05-006/1-V08	43,632.00	51,485.76
79	CON ROD BEARING (2nd U/S)	84833000	18	0165-05-006/2-V08	62,284.00	73,495.12
80	CON ROD BEARING (3rd U/S)	84833000	18	0165-05-006/3-V08	80,265.00	94,712.70
81	GEAR RING	84839000	18	0165-05-051-V08	170,851.00	201,604.18
82	PISTON ROD	84099990	18	0165-06-001-V08	185,869.00	219,325.42
83	CON ROD SCREW	84833000	18	0165-06-002-V08	2,529.00	2,984.22
84	BIG END BUSH	84833000	18	0165-06-003-V08	3,718.00	4,387.24
85	PISTON	84099990	18	0165-07-001-V08	158,198.00	186,673.64
86	PISTON BOLT	84099990	18	0165-07-005-V08	31,430.00	37,087.40

Sign. of Tenderer(s)

For CWM/CPOH/ADI

87	LOCKING RING	40169990	18	0165-07-006-V08	1,481.00	1,747.58
88	PISTON RING SET	84099990	18	0165-07-007-V08	81,600.00	96,288.00
89	VALVE COTTER	84818090	18	0165-08-001-V08	530.00	625.40
90	VALVE SPRING	84818090	18	0165-08-003-V08	2,073.00	2,446.14
91	VALVE SHAFT SEAL	84842000	18	0165-08-004-V08	1,297.00	1,530.46
92	VALVE GUIDE	84818090	18	0165-08-005-V08	3,927.00	4,633.86
93	CORE HOLE CATCH	73182990	18	0165-08-006-V08	770.00	908.60
94	BLANKING COVER	84099990	18	0165-08-008-V08	857.00	1,011.26
95	VALVE SEAT RING	84818090	18	0165-08-009-V08	8,415.00	9,929.70
96	VALVE SEAT RING	84818090	18	0165-08-010-V08	3,824.00	4,512.32
97	INLET VALVE	84818090	18	0165-08-011-V08	20,522.00	24,215.96
98	OUTLET VALVE	84818090	18	0165-08-012-V08	7,235.00	8,537.30
99	CYLINDER HEAD	84099990	18	0165-08-013-V08	333,414.00	393,428.52
100	LOCKING AGENT	84099990	18	0165-08-014-V08	80,018.00	94,421.24
101	CYLINDER HEAD SCREW	73182990	18	0165-08-015-V08	17,801.00	21,005.18
102	CYLINDER HEAD SEAL (1Notch) {1.4mm}	40169990	18	0165-08-016-V08	16,673.00	19,674.14
103	CYLINDER HEAD SEAL 2Notch) {1.6mm}	40169990	18	0165-08-017-V08	17,187.00	20,280.66
104	CYLINDER HEAD SEAL (3Notch) {1.8mm}	40169990	18	0165-08-018-V08	17,187.00	20,280.66
105	CYLINDER SCREW	73182990	18	0165-08-019-V08	502.00	592.36
106	CYLINDER SCREW	73182990	18	0165-08-020-V08	1,184.00	1,397.12
107	CYLINDER SCREW	73182990	18	0165-08-021-V08	1,632.00	1,925.76
108	GASKET	40169990	18	0165-08-023-V08	3,233.00	3,814.94
109	FILLER LOCK	84099990	18	0165-08-024-V08	4,388.00	5,177.84
110	CYLINDER SCREW	73182990	18	0165-08-025-V08	1,015.00	1,197.70
111	PROFILE SEAL	40169990	18	0165-08-026-V08	2,129.00	2,512.22

Sign. of Tenderer(s)

For CWM/CPOH/ADI

112	CYLINDER HEAD COVER	84099990	18	0165-08-027-V08	14,410.00	17,003.80
113	GASKET	40169990	18	0165-08-028-V08	2,744.00	3,237.92
114	IDLER GEAR	84839000	18	0165-09-009-V08	147,206.00	173,703.08
115	CAMSHAFT	84831099	18	0165-10-001-V08	601,150.00	709,357.00
116	IDLER GEAR	84839000	18	0165-10-002-V08	147,206.00	173,703.08
117	TOOTHED WHEEL	84839000	18	0165-10-003-V08	309,402.00	365,094.36
118	CYLINDER PIN	84099990	18	0165-10-004-V08	165.00	194.70
119	SCREW	73182990	18	0165-10-005-V08	6,231.00	7,352.58
120	HEXAGON HEAD SCREW	73182990	18	0165-10-006-V08	754.00	889.72
121	GASKET	40169990	18	0165-10-007-V08	410.00	483.80
122	SEALING RING	40169990	18	0165-10-009-V08	205.00	241.90
123	CYLINDER SCREW	73182990	18	0165-10-010-V08	877.00	1,034.86
124	FRICTION DISC	84099990	18	0165-10-015-V08	33,137.00	39,101.66
125	TOOTHED WHEEL	84839000	18	0165-10-016-V08	202,495.00	238,944.10
126	FRICTION DISC	84099990	18	0165-10-017-V08	33,137.00	39,101.66
127	CLAMPING PIN	84099990	18	0165-10-018-V08	135.00	159.30
128	O-RING	40169990	18	0165-10-024-V08	5,957.00	7,029.26
129	HEXAGON HEAD SCREW	73182990	18	0165-10-025-V08	1,197.00	1,412.46
130	PAD THRUST BEARING	84099990	18	0165-10-026-V08	48,295.00	56,988.10
131	HEXAGON HEAD SCREW	73182990	18	0165-10-027-V08	601.00	709.18
132	TOOTHED WHEEL	84839000	18	0165-10-029-V08	146,208.00	172,525.44
133	CAMSHAFT	84831099	18	0165-10-030-V08	627,792.00	740,794.56
134	O-RING	40169990	18	0165-10-031-V08	5,957.00	7,029.26
135	O-RING	40169990	18	0165-10-031A-V08	2,198.00	2,593.64
136	LOCKING PIECE	85114000	18	0165-10-032-V08	61,283.00	72,313.94

Sign. of Tenderer(s)

For CWM/CPOH/ADI

137	CYLINDER SCREW	73182990	18	0165-11-001-V08	1,164.00	1,373.52
138	ROCKER ARM BRACKET	84099990	18	0165-11-002-V08	15,821.00	18,668.78
139	ROCKER ARM LATCH	84099990	18	0165-11-003-V08	20,837.00	24,587.66
140	HEXAGON NUT	73182990	18	0165-11-005-V08	148.00	174.64
141	ADJUSTMENT SCREW	73182990	18	0165-11-006-V08	11,591.00	13,677.38
142	OUTLET ROCKER ARM	84099990	18	0165-11-007-V08	49,293.00	58,165.74
143	PUSH ROD	84099990	18	0165-11-009-V08	9,425.00	11,121.50
144	VALVE TAPPET	84818090	18	0165-11-010-V08	18,593.00	21,939.74
145	O-RING	40169990	18	0165-14-001-V08	4,347.00	5,129.46
146	PLUG PIECE	85114000	18	0165-14-002-V08	40,392.00	47,662.56
147	O-RING	40169990	18	0165-14-003-V08	3,700.00	4,366.00
148	OIL PRESSURE PUMP	84138190	18	0165-14-004-V08	532,875.00	628,792.50
149	CYLINDER SCREW	73182990	18	0165-14-006-V08	1,834.00	2,164.12
150	CLAMPING BUSH	40169990	18	0165-14-007-V08	707.00	834.26
151	HEXAGON HEAD SCREW	73182990	18	0165-14-008-V08	2,343.00	2,764.74
152	EXCHANGE FILTER	84212300	18	0165-15-001-V08	9,057.00	10,687.26
153	O-RING	40169990	18	0165-15-002-V08	6,296.00	7,429.28
154	RING PIECE	84842000	18	0165-15-003-V08	63,615.00	75,065.70
155	O-RING	40169990	18	0165-15-004-V08	4,963.00	5,856.34
156	HOLLOW SCREW	73182990	18	0165-15-005-V08	15,521.00	18,314.78
157	NOZZLE	84099990	18	0165-15-006-V08	16,350.00	19,293.00
158	SEALING RING	40169990	18	0165-15-007-V08	635.00	749.30
159	THREADED SOCKET	84099990	18	0165-15-008-V08	8,628.00	10,181.04
160	OIL FILTER	84212300	18	0165-15-009-V08	134,550.00	158,769.00
161	SEALING RING	40169990	18	0165-15-010-V08	934.00	1,102.12

Sign. of Tenderer(s)

For CWM/CPOH/ADI

162	NOZZLE	84099990	18	0165-15-011-V08	38,634.00	45,588.12
163	GASKET	40169990	18	0165-15-041-V08	5,335.00	6,295.30
164	CYLINDER SCREW	73182990	18	0165-15-046-V08	1,253.00	1,478.54
165	CYLINDER SCREW	73182990	18	0165-15-047-V08	1,606.00	1,895.08
166	HOOD	84099990	18	0165-15-048-V08	126,649.00	149,445.82
167	LUBRICATING OIL COOLER	84099990	18	0165-15-049-V08	357,703.00	422,089.54
168	HEXAGON HEAD SCREW	73182990	18	0165-15-050-V08	2,361.00	2,785.98
169	O-RING	40169990	18	0165-15-051-V08	4,586.00	5,411.48
170	O-RING	40169990	18	0165-15-052-V08	1,818.00	2,145.24
171	GASKET	40169990	18	0165-16-001-V08	1,017.00	1,200.06
172	HEXAGON HEAD SCREW	73182990	18	0165-16-004-V08	506.00	597.08
173	HEXAGON HEAD SCREW	73182990	18	0165-16-005-V08	576.00	679.68
174	PLUG PIECE	85114000	18	0165-16-012-V08	35,972.00	42,446.96
175	O-RING	40169990	18	0165-16-013-V08	8,466.00	9,989.88
176	LUBRICATING OIL LINE	84099990	18	0165-16-044-V08	14,688.00	17,331.84
177	LUBRICATING OIL LINE	84099990	18	0165-16-051-V08	16,552.00	19,531.36
178	PIPE	84099990	18	0165-16-152-V08	13,422.00	15,837.96
179	NOZZLE	84099990	18	0165-16-065-V08	4,371.00	5,157.78
180	NOZZLE	84099990	18	0165-16-162-V08	1,063.00	1,254.34
181	SEALING RING	40169990	18	0165-16-163-V08	163.00	192.34
182	INJECTOR PUMP	84138190	18	0165-17-001-V08	248,121.00	292,782.78
183	O-RING	40169990	18	0165-17-002-V08	1,386.00	1,635.48
184	O-RING	40169990	18	0165-17-003-V08	1,386.00	1,635.48
185	O-RING	40169990	18	0165-17-004-V08	2,298.00	2,711.64
186	ROLLER TAPPETS	84099990	18	0165-17-009-V08	36,635.00	43,229.30

Sign. of Tenderer(s)

For CWM/CPOH/ADI

187	O-RING	40169990	18	0165-17-011-V08	4,461.00	5,263.98
188	FIXING BOLT	84099990	18	0165-17-012-V08	1,784.00	2,105.12
189	CYLINDER SCREW	73182990	18	0165-17-013-V08	1,588.00	1,873.84
190	NOZZLE	84099990	18	0165-19-002-V08	24,481.00	28,887.58
191	SEALING RING	40169990	18	0165-19-003-V08	1,152.00	1,359.36
192	INJECTOR VALVE	84818090	18	0165-19-004-V08	185,842.00	219,293.56
193	UNION SCREW	73182990	18	0165-19-006-V08	5,055.00	5,964.90
194	O-RING	40169990	18	0165-19-013-V08	3,769.00	4,447.42
195	FILTER HEAD	84212300	18	0165-20-008-V08	49,627.00	58,559.86
196	FUEL EXCHANGE FILTER	84212300	18	0165-20-010-V08	5,180.00	6,112.40
197	GASKET SET	40169990	18	0165-20-030-V08	21,907.00	25,850.26
198	TOOTHED WHEEL	84839000	18	0165-20-044-V08	180,510.00	213,001.80
199	CYLINDER SCREW	73182990	18	0165-20-046-V08	2,183.00	2,575.94
200	HEXAGON HEAD SCREW	73182990	18	0165-20-047-V08	833.00	982.94
201	COLLARED SLEEVE	84833000	18	0165-20-048-V08	18,320.00	21,617.60
202	SHAFT	84842000	18	0165-20-049-V08	27,977.00	33,012.86
203	FUEL SUPPLY PUMP	84138190	18	0165-20-050-V08	169,854.00	200,427.72
204	CYLINDER SCREW	73182990	18	0165-20-051-V08	961.00	1,133.98
205	SHIM PLATE	84099990	18	0165-20-057-V08	4,730.00	5,581.40
206	O-RING	40169990	18	0165-20-058-V08	5,652.00	6,669.36
207	IDLER GEAR	84839000	18	0165-20-061-V08	147,206.00	173,703.08
208	SEALING RING	40169990	18	0165-20-065-V08	157.00	185.26
209	O-RING	40169990	18	0165-20-066-V08	9,488.00	11,195.84
210	FUEL PRE-FILTER	84212300	18	0165-20-073-V08	159,196.00	187,851.28
211	FILTER CARTRIDGE	84212300	18	0165-20-075-V08	27,309.00	32,224.62

Sign. of Tenderer(s)

For CWM/CPOH/ADI

212	SUPPLY PUMP	84138190	18	0165-20-1961-V08	56,136.00	66,240.48
213	INJECTION LINE	84099990	18	0165-21-013-V08	44,301.00	52,275.18
214	INJECTION LINE	84099990	18	0165-21-014-V08	44,301.00	52,275.18
215	INJECTION LINE	84099990	18	0165-21-015-V08	44,301.00	52,275.18
216	INJECTION LINE	84099990	18	0165-21-016-V08	44,301.00	52,275.18
217	INJECTION LINE	84099990	18	0165-21-017-V08	44,301.00	52,275.18
218	INJECTION LINE	84099990	18	0165-21-018-V08	44,301.00	52,275.18
219	INJECTION LINE	84099990	18	0165-21-019-V08	44,301.00	52,275.18
220	INJECTION LINE	84099990	18	0165-21-020-V08	44,301.00	52,275.18
221	HEXAGON HEAD SCREW	73182990	18	0165-21-027-V08	250.00	295.00
222	PIPE CLIP	84099990	18	0165-21-028-V08	2,567.00	3,029.06
223	FUEL LINE	84099990	18	0165-21-041-V08	132,550.00	156,409.00
224	FLAT SEAL	40169990	18	0165-21-043-V08	3,429.00	4,046.22
225	HEXAGON HEAD SCREW	73182990	18	0165-21-044-V08	707.00	834.26
226	CLIP HALF	84099990	18	0165-21-080-V08	25,148.00	29,674.64
227	SEALING RING	40169990	18	0165-21-045-V08	102.00	120.36
228	FUEL LINE	84099990	18	0165-21-047-V08	11,325.00	13,363.50
229	O-RING	40169990	18	0165-21-052-V08	1,866.00	2,201.88
230	T-REDUCER	84099990	18	0165-21-055-V08	14,189.00	16,743.02
231	FUEL LINE	84099990	18	0165-21-056-V08	9,926.00	11,712.68
232	OVERFLOW VALVE	84818090	18	0165-21-066-V08	71,271.00	84,099.78
233	SEALING RING	40169990	18	0165-21-067-V08	2,533.00	2,988.94
234	HOLLOW SCREW	73182990	18	0165-21-068-V08	3,311.00	3,906.98
235	FUEL LINE	84099990	18	0165-21-069-V08	35,638.00	42,052.84
236	HEXAGON NUT	73182990	18	0165-21-070-V08	169.00	199.42

Sign. of Tenderer(s)

For CWM/CPOH/ADI

237	WASHER	73182200	18	0165-21-071-V08	226.00	266.68
238	CLIP HALF	84099990	18	0165-21-072-V08	9,463.00	11,166.34
239	WASHER	73182200	18	0165-21-073-V08	1,549.00	1,827.82
240	STUD BOLT	73182990	18	0165-21-074-V08	674.00	795.32
241	FUEL LINE	84099990	18	0165-21-075-V08	36,971.00	43,625.78
242	FUEL LINE	84099990	18	0165-21-077-V08	48,961.00	57,773.98
243	FUEL LINE	84099990	18	0165-21-078-V08	48,961.00	57,773.98
244	GASKET	40169990	18	0165-22-046-V08	1,784.00	2,105.12
245	PLEATED HOSE	40093100	18	0165-22-0576-V08	155,868.00	183,924.24
246	HOSE CLIP	40093100	18	0165-22-4127-V08	1,386.00	1,635.48
247	INTAKE MANIFOLD	84818090	18	0165-22-043-V08	452,942.00	534,471.56
248	INTAKE MANIFOLD	84818090	18	0165-22-047-V08	421,306.00	497,141.08
249	GASKET	40169990	18	0165-22-051-V08	1,665.00	1,964.70
250	GASKET	40169990	18	0165-22-058-V08	5,794.00	6,836.92
251	STUD BOLT	73182990	18	0165-22-059-V08	1,001.00	1,181.18
252	WASHER	73182200	18	0165-22-060-V08	233.00	274.94
253	HEXAGON NUT	73182990	18	0165-22-061-V08	304.00	358.72
254	HOSE CLIP	40093100	18	0165-22-062-V08	5,965.00	7,038.70
255	RUBBER SLEEVE	40169960	18	0165-22-063-V08	21,983.00	25,939.94
256	HOLDER	84099990	18	0165-22-071-V08	13,822.00	16,309.96
257	HEXAGON HEAD SCREW	73182990	18	0165-22-073-V08	235.00	277.30
258	LOCKING SCREW	73182990	18	0165-22-088-V08	3,975.00	4,690.50
259	SEALING RING	40169990	18	0165-22-089-V08	269.00	317.42
260	INTAKE MANIFOLD	84818090	18	0165-22-090-V08	145,208.00	171,345.44
261	HOSE CLIP	40093100	18	0165-22-091-V08	1,549.00	1,827.82

Sign. of Tenderer(s)

For CWM/CPOH/ADI

262	RUBBER SLEEVE	40169960	18	0165-22-092-V08	28,310.00	33,405.80
263	PLUG PIECE	85114000	18	0165-22-125-V08	35,972.00	42,446.96
264	O-RING	40169990	18	0165-22-160-V08	8,466.00	9,989.88
265	HEXAGON NUT	73182990	18	0165-22-165-V08	1,152.00	1,359.36
266	HEXAGON NUT	73182990	18	0165-22-166-V08	378.00	446.04
267	DUST DISCHARGE VALVE	84818090	18	0165-22-168-V08	19,655.00	23,192.90
268	GASKET	40169990	18	0165-22-190-V08	7,166.00	8,455.88
269	STUD BOLT	73182990	18	0165-22-192-V08	585.00	690.30
270	COMBINATION AIR FILTER	84212300	18	0165-22-247-V08	564,515.00	666,127.70
271	FILTER CARTRIDGE	84212300	18	0165-22-248-V08	71,140.00	83,945.20
272	SAFETY ELEMENT	84212300	18	0165-22-249-V08	86,323.00	101,861.14
273	GLOW PLUG	85114000	18	0165-26-001-V08	107,578.00	126,942.04
274	SEALING RING	40169990	18	0165-26-004-V08	607.00	716.26
275	SOLENOID VALVE	84818090	18	0165-26-005-V08	97,249.00	114,753.82
276	PIPE	84099990	18	0165-26-006-V08	15,717.00	18,546.06
277	HEXAGON HEAD SCREW	73182990	18	0165-26-007-V08	435.00	513.30
278	PLUG CONNECTOR	85114000	18	0165-26-020-V08	13,456.00	15,878.08
279	HOSE LINE	40093100	18	0165-26-022-V08	30,641.00	36,156.38
280	HOLLOW SCREW	73182990	18	0165-26-023-V08	2,533.00	2,988.94
281	SEALING RING	40169990	18	0165-26-024-V08	205.00	241.90
282	PIPE	84099990	18	0165-26-028-V08	17,319.00	20,436.42
283	AIR COMPRESSOR	84099990	18	0165-33-001-V08	1,258,700.00	1,485,266.00
284	WHEEL NUT	73182990	18	0165-33-002-V08	3,330.00	3,929.40
285	TOOTHED WHEEL	84839000	18	0165-33-003-V08	167,191.00	197,285.38
286	O-RING	40169990	18	0165-33-004-V08	9,488.00	11,195.84

Sign. of Tenderer(s)

For CWM/CPOH/ADI

287	STUD BOLT	73182990	18	0165-33-005-V08	739.00	872.02
288	ANGLED NOZZLE	84099990	18	0165-33-009-V08	4,761.00	5,617.98
289	HOSE CLIP	40093100	18	0165-33-010-V08	552.00	651.36
290	VACUUM HOSE	40093100	18	0165-33-012-V08	49,637.00	58,571.66
291	ADAPTER	84099990	18	0165-33-013-V08	29,441.00	34,740.38
292	O-RING	40169990	18	0165-33-014-V08	2,005.00	2,365.90
293	HEXAGON HEAD SCREW	73182990	18	0165-33-015-V08	587.00	692.66
294	VACUUM HOSE	40093100	18	0165-33-017-V08	23,815.00	28,101.70
295	O-RING	40169990	18	0165-33-023-V08	2,302.00	2,716.36
296	CYLINDER HEAD SEAL	40169990	18	0165-33-028-V08	45,531.00	53,726.58
297	LAMELLAR VALVE	84818090	18	0165-33-030-V08	201,270.00	237,498.60
298	DRIVER	84099990	18	0165-33-031-V08	13,092.00	15,448.56
299	TUBE	40169990	18	0165-33-043-V08	21,817.00	25,744.06
300	TUBE	40169990	18	0165-33-043/1-V08	54,788.00	64,649.84
301	SEALING RING	40169990	18	0165-33-046-V08	259.00	305.62
302	TUBE	40169990	18	0165-33-048-V08	20,484.00	24,171.12
303	TUBE	40169990	18	0165-33-048/1-V08	36,635.00	43,229.30
304	HOLLOW SCREW	73182990	18	0165-33-050-V08	3,311.00	3,906.98
305	GASKET	40169990	18	0165-37-001-V08	2,529.00	2,984.22
306	O-RING	40169990	18	0165-37-002-V08	5,957.00	7,029.26
307	O-RING	40169990	18	0165-37-003-V08	4,053.00	4,782.54
308	CYLINDER SCREW	73182990	18	0165-37-005-V08	1,269.00	1,497.42
309	Gasket	40169990	18	0165-37-006-V08	649.00	765.82
310	COOLANT INLET NOZZLES	84099990	18	0165-37-007-V08	57,166.00	67,455.88
311	SEALING RING	40169990	18	0165-37-008-V08	198.00	233.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

312	LOCKING SCREW	73182990	18	0165-37-009-V08	6,129.00	7,232.22
313	CYLINDER SCREW	73182990	18	0165-37-011-V08	1,269.00	1,497.42
314	COOLANT PUMP	84138190	18	0165-37-025-V08	419,637.00	495,171.66
315	CYLINDER SCREW	73182990	18	0165-38-005-V08	2,282.00	2,692.76
316	GASKET	40169990	18	0165-38-009-V08	2,198.00	2,593.64
317	SEALING RING	40169990	18	0165-38-010-V08	796.00	939.28
318	THERMOSTAT	84099990	18	0165-38-011-V08	15,135.00	17,859.30
319	OUTLET NOZZLES	84099990	18	0165-38-012-V08	107,908.00	127,331.44
320	CYLINDER SCREW	73182990	18	0165-38-013-V08	1,094.00	1,290.92
321	PROFILE HOSE	40093100	18	0165-38-015-V08	9,357.00	11,041.26
322	HOSE CLIP	40093100	18	0165-38-017-V08	274.00	323.32
323	HOSE CLIP	40093100	18	0165-38-018-V08	4,691.00	5,535.38
324	RUBBER SLEEVE	40169960	18	0165-38-019-V08	20,202.00	23,838.36
325	CONNECTION PIECE	84099990	18	0165-38-027-V08	15,352.00	18,115.36
326	HOLLOW SCREW	73182990	18	0165-38-028-V08	2,862.00	3,377.16
327	THERMOSTAT	84099990	18	0165-38-034-V08	22,057.00	26,027.26
328	CYLINDER SCREW	73182990	18	0165-38-037-V08	3,429.00	4,046.22
329	CYLINDER SCREW	73182990	18	0165-38-038-V08	3,561.00	4,201.98
330	CYLINDER SCREW	73182990	18	0165-38-039-V08	1,632.00	1,925.76
331	CYLINDER SCREW	73182990	18	0165-38-040-V08	2,282.00	2,692.76
332	CYLINDER SCREW	73182990	18	0165-38-041-V08	3,429.00	4,046.22
333	CYLINDER SCREW	73182990	18	0165-38-042-V08	1,632.00	1,925.76
334	SEALING RING	40169990	18	0165-38-043-V08	102.00	120.36
335	LOCKING SCREW	73182990	18	0165-38-044-V08	2,343.00	2,764.74
336	SEALING RING	40169990	18	0165-38-045-V08	184.00	217.12

337	LOCKING SCREW	73182990	18	0165-38-046-V08	1,220.00	1,439.60
338	CYLINDER SCREW	73182990	18	0165-39-041-V08	22,647.00	26,723.46
339	FLANGE	84099990	18	0165-39-042-V08	81,336.00	95,976.48
340	RADIAL SHAFT SEALING RING	84842000	18	0165-39-043-V08	19,620.00	23,151.60
341	COVER	84099990	18	0165-39-046-V08	57,475.00	67,820.50
342	GASKET	40169990	18	0165-39-047-V08	538.00	634.84
343	FAN SHAFT	84145990	18	0165-39-050-V08	173,521.00	204,754.78
344	SELF-LOCKING NUT	73182990	18	0165-41-006-V08	5,377.00	6,344.86
345	STUD BOLT	73182990	18	0165-41-008-V08	4,595.00	5,422.10
346	EXHAUST PIPE	84099990	18	0165-41-009-V08	273,765.00	323,042.70
347	STUD BOLT	73182990	18	0165-41-010-V08	4,595.00	5,422.10
348	EXHAUST PIPE	84099990	18	0165-41-013-V08	273,765.00	323,042.70
349	CLAMPING WASHER	73182200	18	0165-41-016-V08	68,904.00	81,306.72
350	GASKET	40169990	18	0165-41-041-V08	25,846.00	30,498.28
351	STUD BOLT	73182990	18	0165-41-043-V08	1,867.00	2,203.06
352	WASHER	73182200	18	0165-41-044-V08	1,094.00	1,290.92
353	HEXAGON NUT	73182990	18	0165-41-045-V08	1,351.00	1,594.18
354	COMPENSATOR	84099990	18	0165-41-049-V08	643,740.00	759,613.20
355	HEXAGON NUT	73182990	18	0165-41-050-V08	1,391.00	1,641.38
356	HEXAGON HEAD SCREW	73182990	18	0165-41-052-V08	2,452.00	2,893.36
357	GASKET	40169990	18	0165-41-053-V08	5,957.00	7,029.26
358	EXHAUST MANIFOLD	84099990	18	0165-41-081-V08	434,629.00	512,862.22
359	HEXAGON HEAD SCREW	73182990	18	0165-41-083-V08	2,351.00	2,774.18
360	INSULATING MAT	40169960	18	0165-41-084-V08	78,601.00	92,749.18
361	EXHAUST MANIFOLD	84099990	18	0165-41-085-V08	434,629.00	512,862.22

Sign. of Tenderer(s)

For CWM/CPOH/ADI

362	GASKET	40169990	18	0165-41-086-V08	2,899.00	3,420.82
363	EXHAUST MANIFOLD	84099990	18	0165-41-092-V08	434,629.00	512,862.22
364	EXHAUST MANIFOLD	84099990	18	0165-41-093-V08	434,629.00	512,862.22
365	EXHAUST TURBOCHARGER	84099990	18	0165-43-001-V08	1,785,122.00	2,106,443.96
366	HEAT PROTECTION PLATE	84099990	18	0165-43-014-V08	60,285.00	71,136.30
367	GENERATOR	85115000	18	0165-44-001-V08	383,427.00	452,443.86
368	VOLTAGE REGULATOR	84099990	18	0165-44-005-V08	58,190.00	68,664.20
369	FAN	84145990	18	0165-44-013-V08	27,214.00	32,112.52
370	STARTER MOTOR	85114000	18	0165-44-041-V08	237,236.00	279,938.48
371	V-BELT PULLEY	84835090	18	0165-44-128-V08	151,294.00	178,526.92
372	NARROW V-BELTS	40169990	18	0165-44-129-V08	9,122.00	10,763.96
373	HEXAGON HEAD SCREW	73182990	18	0165-44-130-V08	2,796.00	3,299.28
374	EYEBOLT	73182990	18	0165-44-131-V08	17,968.00	21,202.24
375	HEXAGON NUT	73182990	18	0165-44-132-V08	754.00	889.72
376	BALL DISC	73182990	18	0165-44-133-V08	1,152.00	1,359.36
377	TAPER SOCKET	84099990	18	0165-44-134-V08	1,683.00	1,985.94
378	METAL SHEET	84099990	18	0165-44-176-V08	65,280.00	77,030.40
379	STAND FOOT	40169960	18	0165-46-001-V08	281,030.00	331,615.40
380	RUBBER BUFFER	40169990	18	0165-46-030-V08	22,686.00	26,769.48
381	CABLE HARNESS	85444299	18	0165-48-041-V08	301,411.00	355,664.98
382	CONTROL UNIT	84099990	18	0165-48-046-V08	809,302.00	954,976.36
383	STAND FOOT	40169960	18	0165-46-004-V08	202,982.00	239,518.76
384	PLUG CONNECTOR	85114000	18	0165-48-091-V08	81,262.00	95,889.16
385	RELAY	84099990	18	0165-48-9245-V08	99,950.00	117,941.00
386	LEVEL SWITCH	84099990	18	0165-51-002-V08	109,907.00	129,690.26

Sign. of Tenderer(s)

For CWM/CPOH/ADI

387	TEMPERATURE SENSOR	84099990	18	0165-51-015-V08	26,952.00	31,803.36
388	PLUG CONNECTOR	85114000	18	0165-51-019-V08	20,320.00	23,977.60
389	TEMPERATURE SENSOR	84099990	18	0165-51-0196-V08	14,122.00	16,663.96
390	PRESSURE SENSOR	84099990	18	0165-51-026-V08	98,243.00	115,926.74
391	SPEED SENSOR	84831099	18	0165-51-029-V08	19,820.00	23,387.60
392	MESSAGE DISPLAY	84099990	18	0165-51-084-V08	357,703.00	422,089.54
393	SPEED SENSOR	84831099	18	0165-51-121-V08	20,202.00	23,838.36
394	SET OF PARTS	84099990	18	0165-51-124-V08	66,948.00	78,998.64
395	PRESSURE SENSOR	84099990	18	0165-51-7188-V08	43,632.00	51,485.76
396	CONNECTION HOUSING	84099990	18	0165-52-003-V08	815,045.00	961,753.10
397	GASKET SET	40169990	18	0165-90-001-V08	341,372.00	402,818.96
398	Deutz Oil(20Ltr)(DQC-III)	27101980	18	0165-90-6336-V08	11,709.00	13,816.62
399	Deutz Oil(210Ltr)(DQC-III)	27101980	18	0165-90-6337-V08	117,054.00	138,123.72
400	COOLING SYSTEM PROTECTION (20 Ltr.)	34039900	18	0165-90-7991-V08	29,752.00	35,107.36
401	Vent Plug	84099990	18	0165-20-006-V08	2,462.00	2,905.16
402	SEALING RING	40169990	18	0165-20-007-V08	101.00	119.18
403	FILTER ELEMENT	84212300	18	0165-20-029-V08	17,286.00	20,397.48
404	REPAIR KIT	84149020	18	0165-33-079-V08	98,978.00	116,794.04
405	NARROW V-BELT SET	40169990	18	0165-44-010-V08	13,210.00	15,587.80
406	IDLER GEAR	84839000	18	0165-39-051-V08	107,359.00	126,683.62
407	HEXAGON HEAD SCREW	73182990	18	0165-39-052-V08	707.00	834.26
408	AGGREGATE UNIT	84099990	18	0165-01-081-V08	1,752,754.00	2,068,249.72
409	INJECTION PUMP HOUSING	84138190	18	0165-17-005-V08	140,533.00	165,828.94
410	INJECTION PUMP HOUSING	84138190	18	0165-17-010-V08	140,533.00	165,828.94
411	CYLINDER/PISTON	84099990	18	0165-33-0577-V08	242,410.00	286,043.80

Sign. of Tenderer(s)

For CWM/CPOH/ADI

412	Piston Assembly	84099990	18	0165-33-020-V08	116,741.00	137,754.38
413	Lamina	84099990	18	0165-33-029-V08	19,629.00	23,162.22
414	Head Cover	84099990	18	0165-33-1416-V08	59,537.00	70,253.66
415	O-RING	40169990	18	0165-17-006-V08	4,461.00	5,263.98
416	COLLARED SLEEVE	84833000	18	0165-39-049-V08	22,336.00	26,356.48
417	PACKING COMPOUND	32141000	18	0165-02-047-V08	8,590.00	10,136.20
418	LOCKING AGENT	84099990	18	0165-20-045-V08	15,152.00	17,879.36
419	MOUNTING COMPOUND	34039900	18	0165-37-013-V08	15,935.00	18,803.30
420	PLUG CONNECTOR	85114000	18	0165-48-5236-V08	9,613.00	11,343.34
421	CONNECTING LINE	85444299	18	0165-48-5874-V08	251,848.00	297,180.64
422	SHIM RING	84099990	18	0165-01-3706-V08	11,220.00	13,239.60
423	CHARGE AIR LINE	84099990	18	0165-22-500-V08	147,587.00	174,152.66
424	THREADED SOCKET	84099990	18	0165-33-047-V08	1,099.00	1,296.82
425	NOZZLE	84099990	18	0165-33-073-V08	3,997.00	4,716.46

Annexure E

(A) Conditional spares Price List of 1 no. Deutz Engines Model No. BF12 L 513C (18% GST)

Sl. No.	Description	HSN Code	GST %	Figure No.	2026-27 Basic Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Basic Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	CYLINDER PIN	84099990	18	0148-01-003	83.00	97.94	91.00	107.38
2	CLAMPING PIN	84099990	18	0148-01-004	144.00	169.92	158.00	186.44
3	CYLINDER SCREW	73182990	18	0148-01-005	1,169.00	1,379.42	1,286.00	1,517.48
4	LOCKING SCREW	73182990	18	0148-01-008	11,997.00	14,156.46	13,197.00	15,572.46
5	LOCKING SCREW	73182990	18	0148-01-010	11,997.00	14,156.46	13,197.00	15,572.46
6	COVER	84099990	18	0148-01-013	26,991.00	31,849.38	29,690.00	35,034.20
7	LOCKING SCREW	73182990	18	0148-01-017	6,066.00	7,157.88	6,673.00	7,874.14

Sign. of Tenderer(s)

For CWM/CPOH/ADI

8	SEALING RING	401699 90	18	0148-01-018	619.00	730.42	681.00	803.58
9	CAP NUT	731829 90	18	0148-01-019	4,889.00	5,769.02	5,378.00	6,346.04
10	ADJUSTMENT SCREW	731829 90	18	0148-01-020	4,821.00	5,688.78	5,303.00	6,257.54
11	VALVE PISTON	848180 90	18	0148-01-022	8,927.00	10,533.86	9,820.00	11,587.60
12	LOCKING SCREW	731829 90	18	0148-01-025	1,047.00	1,235.46	1,152.00	1,359.36
13	LOCKING SCREW	731829 90	18	0148-01-027	1,132.00	1,335.76	1,245.00	1,469.10
14	MAIN BEARING (1U/S)	848330 00	18	0148-01-028/1	8,581.00	10,125.58	9,439.00	11,138.02
15	MAIN BEARING (2U/S)	848330 00	18	0148-01-028/2	9,804.00	11,568.72	10,784.00	12,725.12
16	MAIN BEARING (3U/S)	848280 00	18	0148-01-028/3	9,318.00	10,995.24	10,250.00	12,095.00
17	MAIN BEARING (4U/S)	848280 00	18	0148-01-028/4	8,236.00	9,718.48	9,060.00	10,690.80
18	SHIM	840999 90	18	0148-01-029	5,682.00	6,704.76	6,250.00	7,375.00
19	HEXAGON HEAD SCREW	731829 90	18	0148-01-031	4,336.00	5,116.48	4,770.00	5,628.60
20	OIL PIPE	840999 90	18	0148-01-034	35,525.00	41,919.50	39,078.00	46,112.04
21	CYLINDER SCREW	731829 90	18	0148-01-035	1,726.00	2,036.68	1,899.00	2,240.82
22	O-RING	401699 90	18	0148-01-036	1,579.00	1,863.22	1,737.00	2,049.66
23	BLANKING COVER	840999 90	18	0148-01-037	6,528.00	7,703.04	7,181.00	8,473.58
24	GASKET	401699 90	18	0148-01-040	1,093.00	1,289.74	1,202.00	1,418.36
25	PACKING COMPOUND	321410 00	18	0148-01-044	46,137.00	54,441.66	50,751.00	59,886.18
26	OIL PIPE	840999 90	18	0148-01-045	44,288.00	52,259.84	48,717.00	57,486.06
27	TAPPET BRIDGE	840999 90	18	0148-01-046	67,818.00	80,025.24	74,600.00	88,028.00
28	STOP BUSH	840999 90	18	0148-01-047	2,584.00	3,049.12	2,842.00	3,353.56
29	VALVE	848180 90	18	0148-01-050	1,894.00	2,234.92	2,083.00	2,457.94
30	PISTON COOLING NOZZLE	840999 90	18	0148-01-052	7,403.00	8,735.54	8,143.00	9,608.74
31	SPACER BUSHING	401699 90	18	0148-01-058	3,132.00	3,695.76	3,445.00	4,065.10
32	PACKING COMPOUND	321410 00	18	0148-01-079	11,538.00	13,614.84	12,692.00	14,976.56

Sign. of Tenderer(s)

For CWM/CPOH/ADI

33	OIL DIPSTICK	840999 90	18	0148-01-121	21,570.00	25,452.60	23,727.00	27,997.86
34	PIPE CLIP	840999 90	18	0148-01-128	3,621.00	4,272.78	3,983.00	4,699.94
35	THREADED SOCKET	840999 90	18	0148-01-132	9,589.00	11,315.02	10,548.00	12,446.64
36	GUIDE TUBE	401699 90	18	0148-01-134	23,992.00	28,310.56	26,391.00	31,141.38
37	HOLDER	840999 90	18	0148-01-135	1,201.00	1,417.18	1,321.00	1,558.78
38	HEXAGON HEAD SCREW	731829 90	18	0148-01-161	251.00	296.18	276.00	325.68
39	VENTING PIPE	840999 90	18	0148-01-162	22,030.00	25,995.40	24,233.00	28,594.94
40	SPRING WASHER	731822 00	18	0148-01-163	83.00	97.94	91.00	107.38
41	HEXAGON NUT	731829 90	18	0148-01-164	89.00	105.02	98.00	115.64
42	NOZZLE	840999 90	18	0148-01-168	10,545.00	12,443.10	11,600.00	13,688.00
43	SEALING RING	401699 90	18	0148-01-169	270.00	318.60	297.00	350.46
44	HOSE CLIP	400931 00	18	0148-01-170	350.00	413.00	385.00	454.30
45	RUBBER HOSE	400931 00	18	0148-01-171	1,433.00	1,690.94	1,576.00	1,859.68
46	VALVE DRIVE HOUSING	848180 90	18	0148-01-172	92,503.00	109,153.54	101,753.00	120,068.54
47	OIL SEPARATOR	842123 00	18	0148-01-173	208,758.00	246,334.44	229,634.00	270,968.12
48	O-RING	401699 90	18	0148-01-175	1,093.00	1,289.74	1,202.00	1,418.36
49	CYLINDER SCREW	731829 90	18	0148-01-177	784.00	925.12	862.00	1,017.16
50	CYLINDER SCREW	731829 90	18	0148-01-179	1,302.00	1,536.36	1,432.00	1,689.76
51	OIL SEPARATOR	842123 00	18	0148-01-192	84,429.00	99,626.22	92,872.00	109,588.96
52	HOSE CLIP	400931 00	18	0148-01-193	379.00	447.22	417.00	492.06
53	PIPE ELBOW	840999 90	18	0148-01-194	23,299.00	27,492.82	25,629.00	30,242.22
54	WASHER	731822 00	18	0148-01-196	1,508.00	1,779.44	1,659.00	1,957.62
55	O-RING	401699 90	18	0148-01-197	1,433.00	1,690.94	1,576.00	1,859.68
56	PIPE ELBOW	840999 90	18	0148-01-200	15,571.00	18,373.78	17,128.00	20,211.04
57	OIL SEPARATOR	842123 00	18	0148-01-202	84,429.00	99,626.22	92,872.00	109,588.96

Sign. of Tenderer(s)

For CWM/CPOH/ADI

58	HOSE CLIP	40093100	18	0148-01-203	553.00	652.54	608.00	717.44
59	O-RING	40169990	18	0148-01-204	1,004.00	1,184.72	1,104.00	1,302.72
60	MEMBRANE	40169960	18	0148-01-205	4,222.00	4,981.96	4,644.00	5,479.92
61	COVER	84099990	18	0148-01-241	6,918.00	8,163.24	7,610.00	8,979.80
62	PIPE CLIP	84099990	18	0148-01-245	1,674.00	1,975.32	1,841.00	2,172.38
63	HOSE CLIP	40093100	18	0148-01-248	379.00	447.22	417.00	492.06
64	HEXAGON HEAD SCREW	73182990	18	0148-01-266	275.00	324.50	303.00	357.54
65	OIL FILLING	84099990	18	0148-01-267	31,373.00	37,020.14	34,510.00	40,721.80
66	HOLDER	84099990	18	0148-01-269	1,201.00	1,417.18	1,321.00	1,558.78
67	WASHER	73182200	18	0148-01-271	1,508.00	1,779.44	1,659.00	1,957.62
68	OIL FILLING	84099990	18	0148-01-272	38,064.00	44,915.52	41,870.00	49,406.60
69	RUBBER HOSE	40093100	18	0148-01-356	17,764.00	20,961.52	19,540.00	23,057.20
70	RUBBER SLEEVE	40169960	18	0148-01-360	6,012.00	7,094.16	6,613.00	7,803.34
71	AGGREGATE UNIT	84099990	18	0148-01-361	997,654.00	1,177,231.72	1,097,419.00	1,294,954.42
72	O-RING	40169990	18	0148-01-376	1,093.00	1,289.74	1,202.00	1,418.36
73	GASKET	40169990	18	0148-01-377	1,754.00	2,069.72	1,929.00	2,276.22
74	SEALING RING	40169990	18	0148-01-379	577.00	680.86	635.00	749.30
75	CONNECTION PIECE	84099990	18	0148-01-380	52,131.00	61,514.58	57,344.00	67,665.92
76	PACKING COMPOUND	32141000	18	0148-01-441	46,137.00	54,441.66	50,751.00	59,886.18
77	HOSE CLIP	40093100	18	0148-01-481	641.00	756.38	705.00	831.90
78	VENTING LINE	73182990	18	0148-01-483	73,586.00	86,831.48	80,945.00	95,515.10
79	HEXAGON HEAD SCREW	73182990	18	0148-01-487	221.00	260.78	243.00	286.74
80	WASHER	73182200	18	0148-01-488	2,111.00	2,490.98	2,322.00	2,739.96
81	PIPE CLIP	84099990	18	0148-01-489	451.00	532.18	496.00	585.28
82	HEXAGON NUT	73182990	18	0148-01-490	89.00	105.02	98.00	115.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

83	RUBBER GROMMET	40169990	18	0148-01-499	1,257.00	1,483.26	1,383.00	1,631.94
84	ANGLED NOZZLE	84099990	18	0148-01-526	4,780.00	5,640.40	5,258.00	6,204.44
85	OIL PAN GASKET	40169990	18	0148-02-002	7,960.00	9,392.80	8,756.00	10,332.08
86	HEXAGON HEAD SCREW	73182990	18	0148-02-003	1,373.00	1,620.14	1,510.00	1,781.80
87	SPRING WASHER	73182200	18	0148-02-004	67.00	79.06	74.00	87.32
88	LOCKING AGENT	84099990	18	0148-02-017	11,538.00	13,614.84	12,692.00	14,976.56
89	HEXAGON HEAD SCREW	73182990	18	0148-02-046	290.00	342.20	319.00	376.42
90	SPRING WASHER	73182200	18	0148-02-047	83.00	97.94	91.00	107.38
91	WASHER	73182200	18	0148-02-048	602.00	710.36	662.00	781.16
92	HEXAGON HEAD SCREW	73182990	18	0148-02-050	463.00	546.34	509.00	600.62
93	HEXAGON HEAD SCREW	73182990	18	0148-02-054	508.00	599.44	559.00	659.62
94	INTERMEDIAT E RING	40169990	18	0148-04-003	3,210.00	3,787.80	3,531.00	4,166.58
95	INTERMEDIAT E RING	40169990	18	0148-04-004	6,344.00	7,485.92	6,978.00	8,234.04
96	O-RING	40169990	18	0148-04-005	5,542.00	6,539.56	6,096.00	7,193.28
97	INTERMEDIAT E RING	40169990	18	0148-04-006	14,416.00	17,010.88	15,858.00	18,712.44
98	CYLINDER SCREW	73182990	18	0148-05-003	7,284.00	8,595.12	8,012.00	9,454.16
99	CYLINDER SCREW	73182990	18	0148-05-041	5,653.00	6,670.54	6,218.00	7,337.24
100	BELT PULLEY	84835090	18	0148-05-042	239,901.00	283,083.18	263,891.00	311,391.38
101	TORSIONAL VIBRATION DAMPER	40169960	18	0148-05-043	710,468.00	838,352.24	781,515.00	922,187.70
102	GEAR RING	84839000	18	0148-05-050	171,527.00	202,401.86	188,680.00	222,642.40
103	HEXAGON HEAD SCREW	73182990	18	0148-05-051	3,506.00	4,137.08	3,857.00	4,551.26
104	HEXAGON HEAD SCREW	73182990	18	0148-05-063	589.00	695.02	648.00	764.64
105	BEARING FLANGE	84828000	18	0148-05-064	83,503.00	98,533.54	91,853.00	108,386.54
106	CON ROD	84833000	18	0148-06-001	113,030.00	133,375.40	124,333.00	146,712.94
107	BIG END BUSH	84833000	18	0148-06-002	1,593.00	1,879.74	1,752.00	2,067.36

Sign. of Tenderer(s)

For CWM/CPOH/ADI

108	CON ROD BEARING (1U/S)	84833000	18	0148-06-003/1	5,305.00	6,259.90	5,836.00	6,886.48
109	CON ROD BEARING (2U/S)	84833000	18	0148-06-003/2	5,331.00	6,290.58	5,864.00	6,919.52
110	CON ROD BEARING (3U/S)	84833000	18	0148-06-003/3	4,061.00	4,791.98	4,467.00	5,271.06
111	CON ROD BEARING (4U/S)	84833000	18	0148-06-003/4	4,061.00	4,791.98	4,467.00	5,271.06
112	CON ROD BEARING (5U/S)	84833000	18	0148-06-003/5	6,693.00	7,897.74	7,362.00	8,687.16
113	CENTERING PIECE	84099990	18	0148-06-004	169.00	199.42	186.00	219.48
114	CON ROD SCREW	84833000	18	0148-06-005	2,539.00	2,996.02	2,793.00	3,295.74
115	PISTON RING SET	84099990	18	0148-07-004	21,914.00	25,858.52	24,105.00	28,443.90
116	WASHER	73182200	18	0148-08-005	10,496.00	12,385.28	11,546.00	13,624.28
117	CYLINDER HEAD SCREW	73182990	18	0148-08-006	20,994.00	24,772.92	23,093.00	27,249.74
118	STUD BOLT	73182990	18	0148-08-007	1,302.00	1,536.36	1,432.00	1,689.76
119	STUD BOLT	73182990	18	0148-08-008	1,524.00	1,798.32	1,676.00	1,977.68
120	CYLINDER HEAD	84099990	18	0148-08-010	478,644.00	564,799.92	526,508.00	621,279.44
121	WASHER	73182200	18	0148-08-013	5,653.00	6,670.54	6,218.00	7,337.24
122	STUD BOLT	73182990	18	0148-08-014	416.00	490.88	458.00	540.44
123	GASKET	40169990	18	0148-08-015	1,201.00	1,417.18	1,321.00	1,558.78
124	HEXAGON HEAD SCREW	73182990	18	0148-08-017	428.00	505.04	471.00	555.78
125	SEALING CONE	40169990	18	0148-08-018	2,241.00	2,644.38	2,465.00	2,908.70
126	O-RING	40169990	18	0148-08-019	1,093.00	1,289.74	1,202.00	1,418.36
127	O-RING	40169990	18	0148-08-022	1,996.00	2,355.28	2,196.00	2,591.28
128	RETURN LINE	84099990	18	0148-08-023	10,403.00	12,275.54	11,443.00	13,502.74
129	WASHER	73182200	18	0148-08-025	1,508.00	1,779.44	1,659.00	1,957.62
130	HEXAGON HEAD SCREW	73182990	18	0148-08-027	243.00	286.74	267.00	315.06

Sign. of Tenderer(s)

For CWM/CPOH/ADI

13 1	SEALING PROFILE	401699 90	18	0148-08-028	1,846.00	2,178.28	2,031.00	2,396.58
13 2	VALVE COTTER	848180 90	18	0148-08-029	1,257.00	1,483.26	1,383.00	1,631.94
13 3	SPRING PLATE	401699 90	18	0148-08-030	2,883.00	3,401.94	3,171.00	3,741.78
13 4	SHIM RING (3.05 MM)	840999 90	18	0148-08-032	9,570.00	11,292.60	10,527.00	12,421.86
13 5	VALVE ROTATOR	848180 90	18	0148-08-033	6,136.00	7,240.48	6,750.00	7,965.00
13 6	SHIM RING (2.75 MM)	840999 90	18	0148-08-034	9,570.00	11,292.60	10,527.00	12,421.86
13 7	SHIM RING (2.6 MM)	840999 90	18	0148-08-035	9,570.00	11,292.60	10,527.00	12,421.86
13 8	SHIM RING (2.45 MM)	840999 90	18	0148-08-036	9,570.00	11,292.60	10,527.00	12,421.86
13 9	SHIM RING (2.3 MM)	840999 90	18	0148-08-037	9,570.00	11,292.60	10,527.00	12,421.86
14 0	FILLER	840999 90	18	0148-08-038	4,731.00	5,582.58	5,204.00	6,140.72
14 1	COMPRESSION SPRING	840999 90	18	0148-08-040	1,940.00	2,289.20	2,134.00	2,518.12
14 2	VALVE DRIVE HOUSING	848180 90	18	0148-08-041	14,877.00	17,554.86	16,365.00	19,310.70
14 3	GASKET	401699 90	18	0148-08-043	1,335.00	1,575.30	1,469.00	1,733.42
14 4	HEXAGON HEAD SCREW	731829 90	18	0148-08-044	577.00	680.86	635.00	749.30
14 5	CAMSHAFT	848310 99	18	0148-10-001	425,591.00	502,197.38	468,150.00	552,417.00
14 6	NOTCHED PIN	731829 90	18	0148-10-002	254.00	299.72	279.00	329.22
14 7	TOOTHED WHEEL	848390 00	18	0148-10-003	116,955.00	138,006.90	128,651.00	151,808.18
14 8	WASHER	731822 00	18	0148-10-004	1,364.00	1,609.52	1,500.00	1,770.00
14 9	HEXAGON HEAD SCREW	731829 90	18	0148-10-005	2,791.00	3,293.38	3,070.00	3,622.60
15 0	PROTECTIVE TUBE	401699 90	18	0148-11-003	4,266.00	5,033.88	4,693.00	5,537.74
15 1	PUSH ROD	840999 90	18	0148-11-004	7,058.00	8,328.44	7,764.00	9,161.52
15 2	O-RING	401699 90	18	0148-11-005	889.00	1,049.02	978.00	1,154.04
15 3	ROCKER ARM BRACKET	840999 90	18	0148-11-006	25,835.00	30,485.30	28,419.00	33,534.42
15 4	ROCKER ARM	840999 90	18	0148-11-007	23,992.00	28,310.56	26,391.00	31,141.38
15 5	ADJUSTMENT SCREW	731829 90	18	0148-11-008	8,144.00	9,609.92	8,958.00	10,570.44

Sign. of Tenderer(s)

For CWM/CPOH/ADI

156	HEXAGON NUT	73182990	18	0148-11-009	403.00	475.54	443.00	522.74
157	HEXAGON NUT	73182990	18	0148-11-010	338.00	398.84	372.00	438.96
158	OIL PRESSURE PUMP	84138190	18	0148-14-007	196,915.00	232,359.70	216,607.00	255,596.26
159	LOCKING SCREW	73182990	18	0148-15-006	2,767.00	3,265.06	3,044.00	3,591.92
160	SCREW FITTING	73182990	18	0148-15-008	7,339.00	8,660.02	8,073.00	9,526.14
161	SCREW FITTING	73182990	18	0148-15-012	7,339.00	8,660.02	8,073.00	9,526.14
162	BLANKING COVER	84099990	18	0148-15-019	24,666.00	29,105.88	27,133.00	32,016.94
163	HEXAGON HEAD SCREW	73182990	18	0148-15-020	144.00	169.92	158.00	186.44
164	OIL COOLER	84099990	18	0148-15-161	539,770.00	636,928.60	593,747.00	700,621.46
165	COVER PLATE	84099990	18	0148-15-164	44,288.00	52,259.84	48,717.00	57,486.06
166	HEXAGON HEAD SCREW	73182990	18	0148-15-165	153.00	180.54	168.00	198.24
167	COVER PLATE	84099990	18	0148-15-166	44,288.00	52,259.84	48,717.00	57,486.06
168	O-RING	40169990	18	0148-15-168	1,093.00	1,289.74	1,202.00	1,418.36
169	HEXAGON HEAD SCREW	73182990	18	0148-15-169	843.00	994.74	927.00	1,093.86
170	SPRING WASHER	73182200	18	0148-15-179	83.00	97.94	91.00	107.38
171	WASHER	73182200	18	0148-15-180	1,508.00	1,779.44	1,659.00	1,957.62
172	SPRING WASHER	73182200	18	0148-15-194	83.00	97.94	91.00	107.38
173	CLAMPING SECTION	84099990	18	0148-15-208	8,699.00	10,264.82	9,569.00	11,291.42
174	CLAMPING SECTION	84099990	18	0148-15-209	8,699.00	10,264.82	9,569.00	11,291.42
175	OIL COOLER	84099990	18	0148-15-243	818,880.00	966,278.40	900,768.00	1,062,906.24
176	MOUNTING BRACKET	84099990	18	0148-16-002	4,336.00	5,116.48	4,770.00	5,628.60
177	SEALING RING	40169990	18	0148-16-003	163.00	192.34	179.00	211.22
178	NOZZLE	84099990	18	0148-16-004	1,067.00	1,259.06	1,174.00	1,385.32
179	PIPE	84099990	18	0148-16-010	23,992.00	28,310.56	26,391.00	31,141.38
180	PIPE CLIP	84099990	18	0148-16-011	1,103.00	1,301.54	1,213.00	1,431.34

Sign. of Tenderer(s)

For CWM/CPOH/ADI

18 1	HEXAGON HEAD SCREW	731829 90	18	0148-16-012	251.00	296.18	276.00	325.68
18 2	PIPE CLIP	840999 90	18	0148-16-013	1,103.00	1,301.54	1,213.00	1,431.34
18 3	HEXAGON HEAD SCREW	731829 90	18	0148-16-014	629.00	742.22	692.00	816.56
18 4	SPRING WASHER	731822 00	18	0148-16-015	83.00	97.94	91.00	107.38
18 5	BRACKET	840999 90	18	0148-16-017	53,287.00	62,878.66	58,616.00	69,166.88
18 6	HOLDER	840999 90	18	0148-16-018	9,547.00	11,265.46	10,502.00	12,392.36
18 7	PIPE	840999 90	18	0148-16-020	20,183.00	23,815.94	22,201.00	26,197.18
18 8	HEXAGON HEAD SCREW	731829 90	18	0148-16-022	7,613.00	8,983.34	8,374.00	9,881.32
18 9	NOZZLE	840999 90	18	0148-16-023	4,387.00	5,176.66	4,826.00	5,694.68
19 0	PIPE	840999 90	18	0148-16-024	10,148.00	11,974.64	11,163.00	13,172.34
19 1	HEXAGON HEAD SCREW	731829 90	18	0148-16-029	275.00	324.50	303.00	357.54
19 2	PIPE	840999 90	18	0148-16-030	51,904.00	61,246.72	57,094.00	67,370.92
19 3	O-RING	401699 90	18	0148-16-035	944.00	1,113.92	1,038.00	1,224.84
19 4	PIPE	840999 90	18	0148-16-036	57,440.00	67,779.20	63,184.00	74,557.12
19 5	HEXAGON HEAD SCREW	731829 90	18	0148-16-041	629.00	742.22	692.00	816.56
19 6	FLANGE	840999 90	18	0148-16-042	95,983.00	113,259.94	105,581.00	124,585.58
19 7	O-RING	401699 90	18	0148-17-001	1,093.00	1,289.74	1,202.00	1,418.36
19 8	OIL RETURN PIPE	840999 90	18	0148-17-002	20,069.00	23,681.42	22,076.00	26,049.68
19 9	HOSE CLIP	400931 00	18	0148-17-003	350.00	413.00	385.00	454.30
20 0	HOSE CLIP	400931 00	18	0148-17-005	350.00	413.00	385.00	454.30
20 1	WASHER	731822 00	18	0148-17-014	7,985.00	9,422.30	8,784.00	10,365.12
20 2	INJECTOR PUMP	841381 90	18	0148-17-017	3,619,014.00	4,270,436.5 2	3,980,915.0 0	4,697,479.7 0
20 3	SUPPLY PUMP	841381 90	18	0148-17-046	19,838.00	23,408.84	21,822.00	25,749.96
20 4	SEALING RING	401699 90	18	0148-17-061	260.00	306.80	286.00	337.48
20 5	HOLLOW SCREW	731829 90	18	0148-17-083	1,047.00	1,235.46	1,152.00	1,359.36

Sign. of Tenderer(s)

For CWM/CPOH/ADI

206	SEALING RING	40169990	18	0148-17-084	122.00	143.96	134.00	158.12
207	LUBRICATING OIL LINE	84099990	18	0148-17-085	45,215.00	53,353.70	49,737.00	58,689.66
208	HEXAGON HEAD SCREW	73182990	18	0148-17-091	604.00	712.72	664.00	783.52
209	CYLINDER SCREW	73182990	18	0148-17-093	4,245.00	5,009.10	4,670.00	5,510.60
210	SPRING WASHER	73182200	18	0148-17-094	83.00	97.94	91.00	107.38
211	CYLINDER SCREW	73182990	18	0148-17-097	1,726.00	2,036.68	1,899.00	2,240.82
212	HEXAGON HEAD SCREW	73182990	18	0148-17-098	865.00	1,020.70	952.00	1,123.36
213	BUSHING	40169990	18	0148-17-099	1,914.00	2,258.52	2,105.00	2,483.90
214	WASHER	73182200	18	0148-17-100	7,985.00	9,422.30	8,784.00	10,365.12
215	WASHER	73182200	18	0148-17-101	3,578.00	4,222.04	3,936.00	4,644.48
216	CYLINDER SCREW	73182990	18	0148-17-107	1,441.00	1,700.38	1,585.00	1,870.30
217	DRIVE COUPLING	84099990	18	0148-17-110	371,379.00	438,227.22	408,517.00	482,050.06
218	INJECTION ADJUSTER	84099990	18	0148-18-001	748,528.00	883,263.04	823,381.00	971,589.58
219	BEARING RING	84828000	18	0148-18-022	71,283.00	84,113.94	78,411.00	92,524.98
220	BEARING BUSH	84828000	18	0148-18-023	4,245.00	5,009.10	4,670.00	5,510.60
221	O-RING	40169990	18	0148-18-024	1,364.00	1,609.52	1,500.00	1,770.00
222	TOOTHED WHEEL	84839000	18	0148-18-027	303,334.00	357,934.12	333,667.00	393,727.06
223	TOOTHED WHEEL	84839000	18	0148-18-029	303,334.00	357,934.12	333,667.00	393,727.06
224	PRESSURE PIECE	84099990	18	0148-19-001	1,364.00	1,609.52	1,500.00	1,770.00
225	HEXAGON NUT	73182990	18	0148-19-003	338.00	398.84	372.00	438.96
226	SEALING RING	40169990	18	0148-19-004	357.00	421.26	393.00	463.74
227	NOZZLE	84099990	18	0148-19-005	10,888.00	12,847.84	11,977.00	14,132.86
228	INJECTOR VALVE	84818090	18	0148-19-006	63,664.00	75,123.52	70,030.00	82,635.40
229	O-RING	40169990	18	0148-19-007	338.00	398.84	372.00	438.96
230	SEALING RING	40169990	18	0148-20-006	102.00	120.36	112.00	132.16

Sign. of Tenderer(s)

For CWM/CPOH/ADI

23 1	GASKET	401699 90	18	0148-20-007	660.00	778.80	726.00	856.68
23 2	FILTER CARTRIDGE	842123 00	18	0148-20-008	10,592.00	12,498.56	11,651.00	13,748.18
23 3	FUEL PRE- FILTER	842123 00	18	0148-20-009	88,578.00	104,522.04	97,436.00	114,974.48
23 4	SEALING RING	401699 90	18	0148-20-015	101.00	119.18	111.00	130.98
23 5	FINE FILTER	842123 00	18	0148-20-026	1,857.00	2,191.26	2,043.00	2,410.74
23 6	FILTER CARTRIDGE	842123 00	18	0148-20-027	2,812.00	3,318.16	3,093.00	3,649.74
23 7	COMPOSITE FUEL FILTER	842123 00	18	0148-20-028	98,267.00	115,955.06	108,094.00	127,550.92
23 8	HEXAGON HEAD SCREW	731829 90	18	0148-20-083	379.00	447.22	417.00	492.06
23 9	SPACER SLEEVE	840999 90	18	0148-20-084	227.00	267.86	250.00	295.00
24 0	PIPE CLIP	840999 90	18	0148-20-085	1,103.00	1,301.54	1,213.00	1,431.34
24 1	RING PIECE	848420 00	18	0148-20-088	8,103.00	9,561.54	8,913.00	10,517.34
24 2	PIPE	840999 90	18	0148-20-091	16,263.00	19,190.34	17,889.00	21,109.02
24 3	HOLDER	840999 90	18	0148-20-094	5,542.00	6,539.56	6,096.00	7,193.28
24 4	HOLDER	840999 90	18	0148-20-095	7,058.00	8,328.44	7,764.00	9,161.52
24 5	PIPE	840999 90	18	0148-20-112	21,452.00	25,313.36	23,597.00	27,844.46
24 6	PIPE	840999 90	18	0148-20-113	15,455.00	18,236.90	17,001.00	20,061.18
24 7	PIPE	840999 90	18	0148-20-114	13,033.00	15,378.94	14,336.00	16,916.48
24 8	PIPE	840999 90	18	0148-20-115	27,219.00	32,118.42	29,941.00	35,330.38
24 9	PIPE	840999 90	18	0148-20-115A	23,299.00	27,492.82	25,629.00	30,242.22
25 0	PIPE	840999 90	18	0148-20-116	31,373.00	37,020.14	34,510.00	40,721.80
25 1	PIPE	840999 90	18	0148-20-116A	39,082.00	46,116.76	42,990.00	50,728.20
25 2	PIPE	840999 90	18	0148-20-117	16,263.00	19,190.34	17,889.00	21,109.02
25 3	PIPE	840999 90	18	0148-20-118	14,877.00	17,554.86	16,365.00	19,310.70
25 4	HOLDER	840999 90	18	0148-20-119	2,722.00	3,211.96	2,994.00	3,532.92
25 5	ANGLE PIECE	840999 90	18	0148-20-137	42,678.00	50,360.04	46,946.00	55,396.28

25 6	PIPE CLIP	840999 90	18	0148-21-012	1,441.00	1,700.38	1,585.00	1,870.30
25 7	PIPE CLIP	840999 90	18	0148-21-013	1,441.00	1,700.38	1,585.00	1,870.30
25 8	PIPE CLIP	840999 90	18	0148-21-015	1,441.00	1,700.38	1,585.00	1,870.30
25 9	PIPE CLIP	840999 90	18	0148-21-029	1,639.00	1,934.02	1,803.00	2,127.54
26 0	INJECTION LINE	840999 90	18	0148-21-031	14,877.00	17,554.86	16,365.00	19,310.70
26 1	INJECTION LINE	840999 90	18	0148-21-032	14,877.00	17,554.86	16,365.00	19,310.70
26 2	INJECTION LINE	840999 90	18	0148-21-033	14,877.00	17,554.86	16,365.00	19,310.70
26 3	INJECTION LINE	840999 90	18	0148-21-034	14,877.00	17,554.86	16,365.00	19,310.70
26 4	INJECTION LINE	840999 90	18	0148-21-035	15,571.00	18,373.78	17,128.00	20,211.04
26 5	INJECTION LINE	840999 90	18	0148-21-036	14,877.00	17,554.86	16,365.00	19,310.70
26 6	INJECTION LINE	840999 90	18	0148-21-037	14,877.00	17,554.86	16,365.00	19,310.70
26 7	INJECTION LINE	840999 90	18	0148-21-038	14,877.00	17,554.86	16,365.00	19,310.70
26 8	INJECTION LINE	840999 90	18	0148-21-039	14,877.00	17,554.86	16,365.00	19,310.70
26 9	INJECTION LINE	840999 90	18	0148-21-040	14,877.00	17,554.86	16,365.00	19,310.70
27 0	INJECTION LINE	840999 90	18	0148-21-041	14,877.00	17,554.86	16,365.00	19,310.70
27 1	MANIFOLD	840999 90	18	0148-21-053	25,606.00	30,215.08	28,167.00	33,237.06
27 2	MANIFOLD	840999 90	18	0148-21-057	25,606.00	30,215.08	28,167.00	33,237.06
27 3	HOLLOW SCREW	731829 90	18	0148-21-058	1,302.00	1,536.36	1,432.00	1,689.76
27 4	SEALING RING	401699 90	18	0148-21-059	102.00	120.36	112.00	132.16
27 5	NOZZLE	840999 90	18	0148-21-066	2,262.00	2,669.16	2,488.00	2,935.84
27 6	RUBBER GROMMET	401699 90	18	0148-21-067	554.00	653.72	609.00	718.62
27 7	HOLDER	840999 90	18	0148-21-068	2,421.00	2,856.78	2,663.00	3,142.34
27 8	HOLLOW SCREW	731829 90	18	0148-21-072	2,872.00	3,388.96	3,159.00	3,727.62
27 9	PIPE	840999 90	18	0148-21-073	13,033.00	15,378.94	14,336.00	16,916.48
28 0	PIPE	840999 90	18	0148-21-077	17,530.00	20,685.40	19,283.00	22,753.94

Sign. of Tenderer(s)

For CWM/CPOH/ADI

28 1	PIPE	840999 90	18	0148-21-079	16,263.00	19,190.34	17,889.00	21,109.02
28 2	RING PIECE	848420 00	18	0148-21-080	9,876.00	11,653.68	10,864.00	12,819.52
28 3	O SEAL	401699 90	18	0148-22-001	6,833.00	8,062.94	7,516.00	8,868.88
28 4	O SEAL	401699 90	18	0148-22-002	13,253.00	15,638.54	14,578.00	17,202.04
28 5	OIL BATH AIR FILTER	842123 00	18	0148-22-005	319,480.00	376,986.40	351,428.00	414,685.04
28 6	PAPER CARTRIDGE	842123 00	18	0148-22-010	18,686.00	22,049.48	20,555.00	24,254.90
28 7	SAFETY ELEMENT	842123 00	18	0148-22-011	19,952.00	23,543.36	21,947.00	25,897.46
28 8	HEXAGON NUT	731829 90	18	0148-22-012	1,047.00	1,235.46	1,152.00	1,359.36
28 9	SEALING NUT	401699 90	18	0148-22-013	1,262.00	1,489.16	1,388.00	1,637.84
29 0	DUST DISCHARGE VALVE	848180 90	18	0148-22-015	19,732.00	23,283.76	21,705.00	25,611.90
29 1	PIPE	840999 90	18	0148-22-043	23,068.00	27,220.24	25,375.00	29,942.50
29 2	PIPE CLIP	840999 90	18	0148-22-046	903.00	1,065.54	993.00	1,171.74
29 3	PIPE	840999 90	18	0148-22-051	10,867.00	12,823.06	11,954.00	14,105.72
29 4	PIPE CLIP	840999 90	18	0148-22-056	1,650.00	1,947.00	1,815.00	2,141.70
29 5	HOLDER	840999 90	18	0148-22-059	3,993.00	4,711.74	4,392.00	5,182.56
29 6	NOZZLE	840999 90	18	0148-22-075	531.00	626.58	584.00	689.12
29 7	HOSE CLIP	400931 00	18	0148-22-081	860.00	1,014.80	946.00	1,116.28
29 8	RUBBER SLEEVE	401699 60	18	0148-22-082	32,758.00	38,654.44	36,034.00	42,520.12
29 9	PROFILE SEAL	401699 90	18	0148-22-085	2,120.00	2,501.60	2,332.00	2,751.76
30 0	LOCKING SCREW	731829 90	18	0148-22-109	3,990.00	4,708.20	4,389.00	5,179.02
30 1	CONNECTING ELBOW	840999 90	18	0148-22-111	71,513.00	84,385.34	78,664.00	92,823.52
30 2	HEXAGON NUT	731829 90	18	0148-22-201	158.00	186.44	174.00	205.32
30 3	WASHER	731822 00	18	0148-22-202	140.00	165.20	154.00	181.72
30 4	LOCKING SCREW	731829 90	18	0148-22-205	577.00	680.86	635.00	749.30
30 5	HOSE CLIP	400931 00	18	0148-22-206	860.00	1,014.80	946.00	1,116.28

Sign. of Tenderer(s)

For CWM/CPOH/ADI

306	PROFILE SEAL	40169990	18	0148-22-214	2,120.00	2,501.60	2,332.00	2,751.76
307	INTAKE PIPE	84099990	18	0148-22-241	191,457.00	225,919.26	210,603.00	248,511.54
308	WASHER	73182200	18	0148-22-243	140.00	165.20	154.00	181.72
309	HOSE STRAP	40093100	18	0148-26-001	275.00	324.50	303.00	357.54
310	PIPE	84099990	18	0148-26-002	21,914.00	25,858.52	24,105.00	28,443.90
311	PIPE	84099990	18	0148-26-003	16,728.00	19,739.04	18,401.00	21,713.18
312	PIPE	84099990	18	0148-26-004	13,263.00	15,650.34	14,589.00	17,215.02
313	PIPE	84099990	18	0148-26-005	16,955.00	20,006.90	18,651.00	22,008.18
314	NOZZLE	84099990	18	0148-26-021	629.00	742.22	692.00	816.56
315	NOZZLE	84099990	18	0148-26-023	379.00	447.22	417.00	492.06
316	GLOW PLUG	85114000	18	0148-26-024	25,835.00	30,485.30	28,419.00	33,534.42
317	HEXAGON HEAD SCREW	73182990	18	0148-26-026	251.00	296.18	276.00	325.68
318	SPRING WASHER	73182200	18	0148-26-027	83.00	97.94	91.00	107.38
319	HOLDER	84099990	18	0148-26-028	2,400.00	2,832.00	2,640.00	3,115.20
320	SOLENOID VALVE	84818090	18	0148-26-029	26,532.00	31,307.76	29,185.00	34,438.30
321	HEXAGON HEAD SCREW	73182990	18	0148-26-030	144.00	169.92	158.00	186.44
322	SPRING WASHER	73182200	18	0148-26-031	83.00	97.94	91.00	107.38
323	BALL JOINT	84099990	18	0148-29-034	3,115.00	3,675.70	3,427.00	4,043.86
324	PIPE	84099990	18	0148-26-039	13,263.00	15,650.34	14,589.00	17,215.02
325	TOW BAR	84099990	18	0148-29-049	16,495.00	19,464.10	18,145.00	21,411.10
326	BELLOWS	40169960	18	0148-29-079	8,144.00	9,609.92	8,958.00	10,570.44
327	STORES	84828000	18	0148-29-082	10,592.00	12,498.56	11,651.00	13,748.18
328	REGULATING LEVER	84099990	18	0148-29-089	12,919.00	15,244.42	14,211.00	16,768.98
329	SHAFT	84842000	18	0148-29-092	25,145.00	29,671.10	27,660.00	32,638.80
330	HEXAGON NUT	73182990	18	0148-29-161	89.00	105.02	98.00	115.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

33 1	WASHER	731822 00	18	0148-29-162	122.00	143.96	134.00	158.12
33 2	BALL JOINT	840999 90	18	0148-29-163	3,115.00	3,675.70	3,427.00	4,043.86
33 3	BELLOWS	401699 60	18	0148-29-164	8,144.00	9,609.92	8,958.00	10,570.44
33 4	TOW BAR	840999 90	18	0148-29-165	16,495.00	19,464.10	18,145.00	21,411.10
33 5	REGULATING LEVER	840999 90	18	0148-29-173	27,913.00	32,937.34	30,704.00	36,230.72
33 6	TENSION SPRING	840999 90	18	0148-29-174	3,738.00	4,410.84	4,112.00	4,852.16
33 7	HOLDER	840999 90	18	0148-29-175	10,035.00	11,841.30	11,039.00	13,026.02
33 8	BALL JOINT	840999 90	18	0148-29-189	3,115.00	3,675.70	3,427.00	4,043.86
33 9	SPECIAL GASKET	401699 90	18	0148-33-000	7,167.00	8,457.06	7,884.00	9,303.12
34 0	CYLINDER	840999 90	18	0148-33-026	100,574.00	118,677.32	110,631.00	130,544.58
34 1	PIPE	840999 90	18	0148-33-073	31,603.00	37,291.54	34,763.00	41,020.34
34 2	RETURN PIPE	840999 90	18	0148-33-101	44,062.00	51,993.16	48,468.00	57,192.24
34 3	DOUBLE NOZZLE	840999 90	18	0148-33-123	4,821.00	5,688.78	5,303.00	6,257.54
34 4	CYLINDER SCREW {10X45}	731829 90	18	0148-33-127	851.00	1,004.18	936.00	1,104.48
34 5	CYLINDER SCREW	731829 90	18	0148-33-130	544.00	641.92	598.00	705.64
34 6	TOOTHED WHEEL	848390 00	18	0148-33-131	77,045.00	90,913.10	84,750.00	100,005.00
34 7	WHEEL NUT	731829 90	18	0148-33-133	3,343.00	3,944.74	3,677.00	4,338.86
34 8	PRESSURE REGULATOR	840999 90	18	0148-33-137	186,382.00	219,930.76	205,020.00	241,923.60
34 9	RELIEF VALVE	848180 90	18	0148-33-138	155,473.00	183,458.14	171,020.00	201,803.60
35 0	VALVE	848180 90	18	0148-33-139	65,508.00	77,299.44	72,059.00	85,029.62
35 1	CIRCULAR WIRE SNAP RING	401699 90	18	0148-33-1507	1,846.00	2,178.28	2,031.00	2,396.58
35 2	HOLLOW SCREW	731829 90	18	0148-33-161	1,549.00	1,827.82	1,704.00	2,010.72
35 3	SEALING RING	401699 90	18	0148-33-162	102.00	120.36	112.00	132.16
35 4	PIPE	840999 90	18	0148-33-163	31,603.00	37,291.54	34,763.00	41,020.34

Sign. of Tenderer(s)

For CWM/CPOH/ADI

35 5	NOZZLE	840999 90	18	0148-33-164	1,786.00	2,107.48	1,965.00	2,318.70
35 6	SEALING RING	401699 90	18	0148-33-165	111.00	130.98	122.00	143.96
35 7	SEALING RING	401699 90	18	0148-33-166	205.00	241.90	226.00	266.68
35 8	NOZZLE	840999 90	18	0148-33-167	629.00	742.22	692.00	816.56
35 9	PIPE	840999 90	18	0148-33-168	14,416.00	17,010.88	15,858.00	18,712.44
36 0	PIPE	840999 90	18	0148-33-169	69,434.00	81,932.12	76,377.00	90,124.86
36 1	PIPE	840999 90	18	0148-33-181	19,838.00	23,408.84	21,822.00	25,749.96
36 2	SEALING RING	401699 90	18	0148-33-182	301.00	355.18	331.00	390.58
36 3	NUT	731829 90	18	0148-33-183	843.00	994.74	927.00	1,093.86
36 4	CONNECTION SUPPORTS	840999 90	18	0148-33-184	10,356.00	12,220.08	11,392.00	13,442.56
36 5	NOZZLE	840999 90	18	0148-33-188	6,918.00	8,163.24	7,610.00	8,979.80
36 6	ANGLED NOZZLE	840999 90	18	0148-33-189	4,780.00	5,640.40	5,258.00	6,204.44
36 7	STUD BOLT	731829 90	18	0148-33-3381	428.00	505.04	471.00	555.78
36 8	LAMELLA	848180 90	18	0148-33-7147	13,846.00	16,338.28	15,231.00	17,972.58
36 9	CYLINDRICAL ROLLER BEARING	848280 00	18	0148-33-7554	37,833.00	44,642.94	41,616.00	49,106.88
37 0	GASKET	401699 90	18	0148-33-8473	4,553.00	5,372.54	5,008.00	5,909.44
37 1	LEAF SPRING	840999 90	18	0148-33-8474	3,073.00	3,626.14	3,380.00	3,988.40
37 2	GASKET	401699 90	18	0148-33-8475	9,072.00	10,704.96	9,979.00	11,775.22
37 3	GASKET	401699 90	18	0148-33-8477	5,425.00	6,401.50	5,968.00	7,042.24
37 4	GASKET	401699 90	18	0148-33-9590	4,358.00	5,142.44	4,794.00	5,656.92
37 5	LAMELLAR VALVE	848180 90	18	0148-33-9710	116,026.00	136,910.68	127,629.00	150,602.22
37 6	TAPER-FACED RING	840999 90	18	0148-33-9896	11,767.00	13,885.06	12,944.00	15,273.92
37 7	PISTON	840999 90	18	0148-33-9904	73,586.00	86,831.48	80,945.00	95,515.10
37 8	PISTON RING	401699 90	18	0148-33-9905	14,189.00	16,743.02	15,608.00	18,417.44
37 9	EXHAUST THERMOSTAT	840999 90	18	0148-39-001	200,683.00	236,805.94	220,751.00	260,486.18

Sign. of Tenderer(s)

For CWM/CPOH/ADI

380	RETURN PIPE	84099990	18	0148-39-002	19,952.00	23,543.36	21,947.00	25,897.46
381	PIPE	84099990	18	0148-39-003	16,728.00	19,739.04	18,401.00	21,713.18
382	PIPE	84099990	18	0148-39-004	44,288.00	52,259.84	48,717.00	57,486.06
383	LUB OIL PIPE	84099990	18	0148-39-005	24,222.00	28,581.96	26,644.00	31,439.92
384	NOZZLE	84099990	18	0148-39-007	577.00	680.86	635.00	749.30
385	RUBBER HOSE	40093100	18	0148-39-009	10,592.00	12,498.56	11,651.00	13,748.18
386	NOZZLE	84099990	18	0148-39-013	2,217.00	2,616.06	2,439.00	2,878.02
387	THREADED SOCKET	84099990	18	0148-39-014	20,069.00	23,681.42	22,076.00	26,049.68
388	SEALING RING	40169990	18	0148-39-015	102.00	120.36	112.00	132.16
389	PIPE	84099990	18	0148-39-033	11,234.00	13,256.12	12,357.00	14,581.26
390	SEALING RING	40169990	18	0148-39-034	205.00	241.90	226.00	266.68
391	NOZZLE	84099990	18	0148-39-035	1,067.00	1,259.06	1,174.00	1,385.32
392	RUBBER HOSE	40093100	18	0148-39-038	16,382.00	19,330.76	18,020.00	21,263.60
393	HEXAGON NUT	73182990	18	0148-39-093	338.00	398.84	372.00	438.96
394	PRESSURE PIECE	84099990	18	0148-39-095	8,328.00	9,827.04	9,161.00	10,809.98
395	CLAMPING BAND	84099990	18	0148-39-096	17,991.00	21,229.38	19,790.00	23,352.20
396	HEXAGON HEAD SCREW	73182990	18	0148-39-097	934.00	1,102.12	1,027.00	1,211.86
397	SPRING WASHER	73182200	18	0148-39-098	83.00	97.94	91.00	107.38
398	BALL DISC	73182990	18	0148-39-099	2,007.00	2,368.26	2,208.00	2,605.44
399	O-RING	40169990	18	0148-39-100	1,364.00	1,609.52	1,500.00	1,770.00
400	RETURN PIPE	84099990	18	0148-39-101	19,952.00	23,543.36	21,947.00	25,897.46
401	NOZZLE	84099990	18	0148-39-107	1,786.00	2,107.48	1,965.00	2,318.70
402	HEXAGON HEAD SCREW	73182990	18	0148-39-109	243.00	286.74	267.00	315.06
403	SPRING WASHER	73182200	18	0148-39-110	83.00	97.94	91.00	107.38
404	WASHER	73182200	18	0148-39-111	2,111.00	2,490.98	2,322.00	2,739.96

Sign. of Tenderer(s)

For CWM/CPOH/ADI

405	COVER	84099990	18	0148-39-112	27,454.00	32,395.72	30,199.00	35,634.82
406	O-RING	40169990	18	0148-39-113	3,483.00	4,109.94	3,831.00	4,520.58
407	RING	40169990	18	0148-39-114	2,400.00	2,832.00	2,640.00	3,115.20
408	CLAMPING SCREW	73182990	18	0148-39-115	11,883.00	14,021.94	13,071.00	15,423.78
409	FILTER BOWL	84099990	18	0148-39-116	18,225.00	21,505.50	20,048.00	23,656.64
410	SPACER	84099990	18	0148-39-117	2,400.00	2,832.00	2,640.00	3,115.20
411	PRESSURE DISC	84099990	18	0148-39-118	6,918.00	8,163.24	7,610.00	8,979.80
412	O-RING	40169990	18	0148-39-119	1,946.00	2,296.28	2,141.00	2,526.38
413	CLUTCH	84099990	18	0148-39-120	250,281.00	295,331.58	275,309.00	324,864.62
414	INTERMEDIATE RING	40169990	18	0148-39-121	14,416.00	17,010.88	15,858.00	18,712.44
415	LOCKING RING	40169990	18	0148-39-122	934.00	1,102.12	1,027.00	1,211.86
416	INTERMEDIATE RING	40169990	18	0148-39-126	33,909.00	40,012.62	37,300.00	44,014.00
417	IMPELLER	84149020	18	0148-39-128	93,192.00	109,966.56	102,511.00	120,962.98
418	DRIVE SHAFT	84842000	18	0148-39-132	81,198.00	95,813.64	89,318.00	105,395.24
419	SPRING WASHER	73182200	18	0148-39-134	83.00	97.94	91.00	107.38
420	COOLING FAN	84145990	18	0148-39-135	979,201.00	1,155,457.18	1,077,121.00	1,271,002.78
421	HEXAGON HEAD SCREW	73182990	18	0148-39-161	379.00	447.22	417.00	492.06
422	WASHER	73182200	18	0148-39-162	728.00	859.04	801.00	945.18
423	MOUNTING BRACKET	84099990	18	0148-39-165	36,447.00	43,007.46	40,092.00	47,308.56
424	CYLINDER SCREW	73182990	18	0148-39-166	221.00	260.78	243.00	286.74
425	BEARING BUSH	84833000	18	0148-39-169	5,542.00	6,539.56	6,096.00	7,193.28
426	COUPLING PIECE	84099990	18	0148-39-170	137,252.00	161,957.36	150,977.00	178,152.86
427	BUSHING	40169990	18	0148-39-176	8,212.00	9,690.16	9,033.00	10,658.94
428	SEALING RING	40169990	18	0148-39-178	101.00	119.18	111.00	130.98
429	HEXAGON HEAD SCREW	73182990	18	0148-39-185	934.00	1,102.12	1,027.00	1,211.86

Sign. of Tenderer(s)

For CWM/CPOH/ADI

430	SPRING WASHER	73182200	18	0148-39-191	2,217.00	2,616.06	2,439.00	2,878.02
431	HEXAGON NUT	73182990	18	0148-39-196	305.00	359.90	336.00	396.48
432	INTERMEDIATE SHAFT	84842000	18	0148-39-197	155,473.00	183,458.14	171,020.00	201,803.60
433	HEXAGON HEAD SCREW	73182990	18	0148-39-199	2,791.00	3,293.38	3,070.00	3,622.60
434	FLANGE HUB	84099990	18	0148-39-200	68,050.00	80,299.00	74,855.00	88,328.90
435	LOCKING RING	40169990	18	0148-39-202	934.00	1,102.12	1,027.00	1,211.86
436	GROOVED BALL BEARING	84828000	18	0148-39-203	32,526.00	38,380.68	35,779.00	42,219.22
437	SPACER SLEEVE	84099990	18	0148-39-204	18,569.00	21,911.42	20,426.00	24,102.68
438	CYLINDRICAL ROLLER BEARING	84828000	18	0148-39-205	21,335.00	25,175.30	23,469.00	27,693.42
439	PINION SHAFT	84842000	18	0148-39-206	113,721.00	134,190.78	125,093.00	147,609.74
440	BEARING BUSH	84833000	18	0148-39-209	5,542.00	6,539.56	6,096.00	7,193.28
441	DRIVER	84099990	18	0148-39-210	138,405.00	163,317.90	152,246.00	179,650.28
442	HEXAGON HEAD SCREW	73182990	18	0148-39-213	275.00	324.50	303.00	357.54
443	O-RING	40169990	18	0148-39-214	1,004.00	1,184.72	1,104.00	1,302.72
444	O-RING	40169990	18	0148-39-217	1,093.00	1,289.74	1,202.00	1,418.36
445	SPRING WASHER	73182200	18	0148-39-218	2,217.00	2,616.06	2,439.00	2,878.02
446	PIPE	84099990	18	0148-39-241	32,989.00	38,927.02	36,288.00	42,819.84
447	PIPE	84099990	18	0148-39-242	44,288.00	52,259.84	48,717.00	57,486.06
448	PIPE	84099990	18	0148-39-243	16,728.00	19,739.04	18,401.00	21,713.18
449	RUBBER HOSE	40093100	18	0148-39-256	10,592.00	12,498.56	11,651.00	13,748.18
450	PIPE	84099990	18	0148-39-287	27,454.00	32,395.72	30,199.00	35,634.82
451	NOZZLE	84099990	18	0148-39-293	1,067.00	1,259.06	1,174.00	1,385.32
452	SOLENOID VALVE	84818090	18	0148-39-295	124,333.00	146,712.94	136,766.00	161,383.88
453	HEXAGON HEAD SCREW {6X25}	73182990	18	0148-40-002	243.00	286.74	267.00	315.06

Sign. of Tenderer(s)

For CWM/CPOH/ADI

45 4	COVER SHEET	840999 90	18	0148-40-011	55,361.00	65,325.98	60,897.00	71,858.46
45 5	COVER SHEET	840999 90	18	0148-40-013	36,447.00	43,007.46	40,092.00	47,308.56
45 6	HEXAGON HEAD SCREW	731829 90	18	0148-40-014	227.00	267.86	250.00	295.00
45 7	COVER SHEET	840999 90	18	0148-40-018	34,372.00	40,558.96	37,809.00	44,614.62
45 8	COVER SHEET	840999 90	18	0148-40-020	87,657.00	103,435.26	96,423.00	113,779.14
45 9	SEALING PROFILE	401699 90	18	0148-40-024	1,455.00	1,716.90	1,601.00	1,889.18
46 0	CLAMPING SECTION	840999 90	18	0148-40-025	8,699.00	10,264.82	9,569.00	11,291.42
46 1	METAL SHEET	840999 90	18	0148-40-029	2,908.00	3,431.44	3,199.00	3,774.82
46 2	HOLDER	840999 90	18	0148-40-032	1,142.00	1,347.56	1,256.00	1,482.08
46 3	HOLDING PLATE	840999 90	18	0148-40-033	1,257.00	1,483.26	1,383.00	1,631.94
46 4	COVER SHEET	840999 90	18	0148-40-034	28,374.00	33,481.32	31,211.00	36,828.98
46 5	HEXAGON HEAD SCREW	731829 90	18	0148-40-035	251.00	296.18	276.00	325.68
46 6	SEALING PROFILE	401699 90	18	0148-40-036	1,086.00	1,281.48	1,195.00	1,410.10
46 7	COVER SHEET	840999 90	18	0148-40-038	50,978.00	60,154.04	56,076.00	66,169.68
46 8	SEALING PROFILE	401699 90	18	0148-40-057	1,086.00	1,281.48	1,195.00	1,410.10
46 9	HEXAGON NUT	731829 90	18	0148-40-089	158.00	186.44	174.00	205.32
47 0	RUBBER BUFFER	401699 60	18	0148-40-090	2,308.00	2,723.44	2,539.00	2,996.02
47 1	WASHER	731822 00	18	0148-40-125	1,508.00	1,779.44	1,659.00	1,957.62
47 2	HEXAGON NUT	731829 90	18	0148-40-127	158.00	186.44	174.00	205.32
47 3	RUBBER BUFFER	401699 60	18	0148-40-130	28,374.00	33,481.32	31,211.00	36,828.98
47 4	HOLDER	840999 90	18	0148-40-131	10,356.00	12,220.08	11,392.00	13,442.56
47 5	CONNECTING PLATE	840999 90	18	0148-40-134	111,415.00	131,469.70	122,557.00	144,617.26
47 6	FRONT PLATE	840999 90	18	0148-40-143	73,586.00	86,831.48	80,945.00	95,515.10
47 7	MOUNTING ANGLE	840999 90	18	0148-40-148	8,328.00	9,827.04	9,161.00	10,809.98
47 8	HEXAGON HEAD SCREW	731829 90	18	0148-40-149	589.00	695.02	648.00	764.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

479	SECTIONAL RUBBER	40169990	18	0148-40-156	1,397.00	1,648.46	1,537.00	1,813.66
480	WASHER	73182200	18	0148-40-162	1,508.00	1,779.44	1,659.00	1,957.62
481	CASE/BOX	84099990	18	0148-40-181	40,140.00	47,365.20	44,154.00	52,101.72
482	CASE/BOX	84099990	18	0148-40-183	36,447.00	43,007.46	40,092.00	47,308.56
483	COOLING AIR GUIDE	84099990	18	0148-40-188	57,440.00	67,779.20	63,184.00	74,557.12
484	RUBBER SEAL	40169990	18	0148-40-189	7,106.00	8,385.08	7,817.00	9,224.06
485	HEXAGON HEAD SCREW	73182990	18	0148-40-190	140.00	165.20	154.00	181.72
486	BLANKING COVER	84099990	18	0148-40-191	1,778.00	2,098.04	1,956.00	2,308.08
487	RAIL	84099990	18	0148-40-195	105,186.00	124,119.48	115,705.00	136,531.90
488	FRAMES	84099990	18	0148-40-196	354,083.00	417,817.94	389,491.00	459,599.38
489	RAIL	84099990	18	0148-40-197	100,111.00	118,130.98	110,122.00	129,943.96
490	SEALING STRIP	40169990	18	0148-40-198	21,221.00	25,040.78	23,343.00	27,544.74
491	SECTIONAL RUBBER	40169990	18	0148-40-199	1,397.00	1,648.46	1,537.00	1,813.66
492	SHIELD PLATE	84099990	18	0148-41-013	959.00	1,131.62	1,055.00	1,244.90
493	STUD BOLT	73182990	18	0148-41-014	1,874.00	2,211.32	2,061.00	2,431.98
494	GASKET	40169990	18	0148-41-015	2,308.00	2,723.44	2,539.00	2,996.02
495	LOCKING COLLAR	73182990	18	0148-41-016	36,447.00	43,007.46	40,092.00	47,308.56
496	HEXAGON NUT	73182990	18	0148-41-018	1,356.00	1,600.08	1,492.00	1,760.56
497	EXHAUST PIPE MANIFOLD	84099990	18	0148-41-019	243,360.00	287,164.80	267,696.00	315,881.28
498	HEXAGON NUT	73182990	18	0148-41-081	1,356.00	1,600.08	1,492.00	1,760.56
499	STUD BOLT	73182990	18	0148-41-082	1,441.00	1,700.38	1,585.00	1,870.30
500	EXHAUST MANIFOLD	84099990	18	0148-41-083	280,268.00	330,716.24	308,295.00	363,788.10
501	GASKET	40169990	18	0148-41-086	1,963.00	2,316.34	2,159.00	2,547.62
502	MOUNTING COMPOUND	34039900	18	0148-41-089	10,174.00	12,005.32	11,191.00	13,205.38
503	EXHAUST MANIFOLD	84099990	18	0148-41-090	280,268.00	330,716.24	308,295.00	363,788.10

Sign. of Tenderer(s)

For CWM/CPOH/ADI

504	GASKET	40169990	18	0148-41-121	5,219.00	6,158.42	5,741.00	6,774.38
505	SEALING RING	40169990	18	0148-41-122	6,413.00	7,567.34	7,054.00	8,323.72
506	CORRUGATED TUBE	40169990	18	0148-41-153	555,916.00	655,980.88	611,508.00	721,579.44
507	SQUARE FLANGE	84099990	18	0148-41-154	104,957.00	123,849.26	115,453.00	136,234.54
508	SEGMENT INNER RING	40169990	18	0148-41-155	89,039.00	105,066.02	97,943.00	115,572.74
509	EXHAUST TURBOCHARGER	84099990	18	0148-43-003	527,087.00	621,962.66	579,796.00	684,159.28
510	GASKET	40169990	18	0148-43-004	4,545.00	5,363.10	5,000.00	5,900.00
511	EXHAUST TURBOCHARGER	84099990	18	0148-43-006	527,087.00	621,962.66	579,796.00	684,159.28
512	PULSE CONVERTER	84099990	18	0148-43-007	266,424.00	314,380.32	293,066.00	345,817.88
513	STUD BOLT	73182990	18	0148-43-008	1,874.00	2,211.32	2,061.00	2,431.98
514	HEXAGON NUT	73182990	18	0148-43-011	1,356.00	1,600.08	1,492.00	1,760.56
515	HEXAGON HEAD SCREW	73182990	18	0148-43-013	660.00	778.80	726.00	856.68
516	HEXAGON NUT	73182990	18	0148-43-014	305.00	359.90	336.00	396.48
517	WASHER	73182200	18	0148-43-015	1,508.00	1,779.44	1,659.00	1,957.62
518	ANGLE	84099990	18	0148-43-016	2,838.00	3,348.84	3,122.00	3,683.96
519	PANELLING	84099990	18	0148-43-017	14,534.00	17,150.12	15,987.00	18,864.66
520	ANGLE	84099990	18	0148-43-018	2,957.00	3,489.26	3,253.00	3,838.54
521	PANELLING	84099990	18	0148-43-020	19,952.00	23,543.36	21,947.00	25,897.46
522	RUBBER SLEEVE	40169990	18	0148-43-5628	5,723.00	6,753.14	6,295.00	7,428.10
523	PIPE	84099990	18	0148-43-8856	23,992.00	28,310.56	26,391.00	31,141.38
524	PIPE	84099990	18	0148-43-8912	20,183.00	23,815.94	22,201.00	26,197.18
525	CLAMPING STRAP	84099990	18	0148-44-060	17,991.00	21,229.38	19,790.00	23,352.20
526	NARROW V-BELT SET	40169990	18	0148-44-066	10,567.00	12,469.06	11,624.00	13,716.32
527	PLUG PIECE	85114000	18	0148-44-126	3,804.00	4,488.72	4,184.00	4,937.12

Sign. of Tenderer(s)

For CWM/CPOH/ADI

528	HEXAGON HEAD SCREW	73182990	18	0148-44-129	7,106.00	8,385.08	7,817.00	9,224.06
529	STARTER MOTOR	85114000	18	0148-44-241	142,376.00	168,003.68	156,614.00	184,804.52
530	STUD BOLT	73182990	18	0148-44-244	784.00	925.12	862.00	1,017.16
531	STAND FOOT	40169960	18	0148-46-001	203,785.00	240,466.30	224,164.00	264,513.52
532	WASHER	73182200	18	0148-46-002	8,522.00	10,055.96	9,374.00	11,061.32
533	HEXAGON HEAD SCREW	73182990	18	0148-46-006	967.00	1,141.06	1,064.00	1,255.52
534	OIL PRESSURE SWITCH (0.5 BAR)	85114000	18	0148-48-017	3,090.00	3,646.20	3,399.00	4,010.82
535	HOLDER	84099990	18	0148-48-029	1,212.00	1,430.16	1,333.00	1,572.94
536	SLEEVE CASING	84099990	18	0148-48-034	773.00	912.14	850.00	1,003.00
537	CABLE HARNESS	85444299	18	0148-48-083	219,599.00	259,126.82	241,559.00	285,039.62
538	HEXAGON HEAD SCREW	73182990	18	0148-51-001	89.00	105.02	98.00	115.64
539	SPRING WASHER	73182200	18	0148-51-002	83.00	97.94	91.00	107.38
540	SEALING RING	40169990	18	0148-51-007	111.00	130.98	122.00	143.96
541	FLANGE	84099990	18	0148-51-010	22,379.00	26,407.22	24,617.00	29,048.06
542	DRIVING TAG	84099990	18	0148-51-011	8,489.00	10,017.02	9,338.00	11,018.84
543	SEALING RING	40169990	18	0148-51-012	205.00	241.90	226.00	266.68
544	PRESSURE SENSOR	84099990	18	0148-51-019	25,374.00	29,941.32	27,911.00	32,934.98
545	TEMPERATURE SWITCH	85114000	18	0148-51-020	20,440.00	24,119.20	22,484.00	26,531.12
546	TEMPERATURE SENSOR	84099990	18	0148-51-021	14,189.00	16,743.02	15,608.00	18,417.44
547	TEMPERATURE SENSOR	84099990	18	0148-51-028	20,069.00	23,681.42	22,076.00	26,049.68
548	CONNECTION HOUSING	84099990	18	0148-52-002	522,473.00	616,518.14	574,720.00	678,169.60
549	CYLINDER SCREW	73182990	18	0148-52-003	2,194.00	2,588.92	2,413.00	2,847.34
550	CYLINDER SCREW	73182990	18	0148-52-004	1,732.00	2,043.76	1,905.00	2,247.90
551	GASKET	40169990	18	0148-52-005	357.00	421.26	393.00	463.74
552	BOARD	84099990	18	0148-52-006	3,483.00	4,109.94	3,831.00	4,520.58

Sign. of Tenderer(s)

For CWM/CPOH/ADI

553	CYLINDER SCREW	73182990	18	0148-52-007	290.00	342.20	319.00	376.42
554	THRUST PLATE	84839000	18	0148-52-122	1,060,671.00	1,251,591.78	1,166,738.00	1,376,750.84
555	DISENGAGER	27101980	18	0148-52-125	75,713.00	89,341.34	83,284.00	98,275.12
556	LEVER	84099990	18	0148-52-126	245,988.00	290,265.84	270,587.00	319,292.66
557	CONNECTION PLATE	84099990	18	0148-52-129	161,965.00	191,118.70	178,162.00	210,231.16
558	CLUTCH BELL HOUSING	84099990	18	0148-52-134	1,126,504.00	1,329,274.72	1,239,154.00	1,462,201.72
559	HEXAGON HEAD SCREW	73182990	18	0148-52-136	5,219.00	6,158.42	5,741.00	6,774.38
560	DRIVE SHAFT	84842000	18	0148-52-137	376,440.00	444,199.20	414,084.00	488,619.12
561	POWER CYLINDER	84099990	18	0148-52-139	555,916.00	655,980.88	611,508.00	721,579.44
562	HEXAGON HEAD SCREW	73182990	18	0148-52-141	709.00	836.62	780.00	920.40
563	O-RING	40169990	18	0148-52-4843	6,665.00	7,864.70	7,332.00	8,651.76
564	BUSHING	40169990	18	0148-52-6312	20,301.00	23,955.18	22,331.00	26,350.58
565	COVER	84099990	18	0148-52-6345	322,336.00	380,356.48	354,570.00	418,392.60
566	BALL PIVOT	73182990	18	0148-56-001	1,109.00	1,308.62	1,220.00	1,439.60
567	SEALING RING	40169990	18	0148-56-002	357.00	421.26	393.00	463.74
568	BUSHING	40169990	18	0148-56-006	2,120.00	2,501.60	2,332.00	2,751.76
569	HEXAGON HEAD SCREW	73182990	18	0148-56-009	290.00	342.20	319.00	376.42
570	BALL SOCKET	84099990	18	0148-56-010	1,754.00	2,069.72	1,929.00	2,276.22
571	HEXAGON HEAD SCREW	73182990	18	0148-56-011	140.00	165.20	154.00	181.72
572	WASHER	73182200	18	0148-56-012	60.00	70.80	66.00	77.88
573	BALL JOINT	84099990	18	0148-56-013	6,575.00	7,758.50	7,233.00	8,534.94
574	CYLINDER SCREW	73182990	18	0148-56-014	1,212.00	1,430.16	1,333.00	1,572.94
575	WASHER	73182200	18	0148-56-015	83.00	97.94	91.00	107.38
576	CLAMPING RING	40169990	18	0148-56-016	4,821.00	5,688.78	5,303.00	6,257.54

Sign. of Tenderer(s)

For CWM/CPOH/ADI

577	HEXAGON HEAD SCREW	73182990	18	0148-56-017	102.00	120.36	112.00	132.16
578	SPACER	84099990	18	0148-56-018	7,058.00	8,328.44	7,764.00	9,161.52
579	HOLDER	84099990	18	0148-56-019	100,343.00	118,404.74	110,377.00	130,244.86
580	WASHER	73182200	18	0148-56-020	83.00	97.94	91.00	107.38
581	HEXAGON NUT	73182990	18	0148-56-022	89.00	105.02	98.00	115.64
582	BRACKET	84099990	18	0148-56-023	11,140.00	13,145.20	12,254.00	14,459.72
583	LOCK WASHER	73182200	18	0148-56-024	173.00	204.14	190.00	224.20
584	BELLOWS	40169960	18	0148-56-025	3,347.00	3,949.46	3,682.00	4,344.76
585	WASHER	73182200	18	0148-56-026	83.00	97.94	91.00	107.38
586	SOLENOID	84818090	18	0148-56-027	173,234.00	204,416.12	190,557.00	224,857.26
587	HOSE CLIP	40093100	18	0148-56-028	474.00	559.32	521.00	614.78
588	NOZZLE	84099990	18	0148-56-030	12,689.00	14,973.02	13,958.00	16,470.44
589	COMPRESSION SPRING	84099990	18	0148-56-031	5,793.00	6,835.74	6,372.00	7,518.96
590	ROUND NECK NUT	73182990	18	0148-56-032	20,994.00	24,772.92	23,093.00	27,249.74
591	BELLOWS	40169960	18	0148-56-033	3,347.00	3,949.46	3,682.00	4,344.76
592	RUBBER BUFFER	40169990	18	0148-58-005	4,362.00	5,147.16	4,798.00	5,661.64
593	GASKET	40169990	18	0148-58-008	1,335.00	1,575.30	1,469.00	1,733.42
594	SEALING PROFILE	40169990	18	0148-61-028	1,086.00	1,281.48	1,195.00	1,410.10
595	MASTER CYLINDER	84099990	18	0148-81-009	131,715.00	155,423.70	144,887.00	170,966.66
596	COMPENSATION TANK	84099990	18	0148-81-010	19,265.00	22,732.70	21,192.00	25,006.56
597	Deutz Oil (210 LTR.)(DQC-II)	27101980	18	0148-90-6333	84,783.00	100,043.94	93,261.00	110,047.98
598	TOOTHED WHEEL	84839000	18	0148-39-175	124,367.00	146,753.06	136,804.00	161,428.72
599	TOOTHED WHEEL	84839000	18	0148-39-181	124,367.00	146,753.06	136,804.00	161,428.72
600	FLANGE HUB	84099990	18	0148-39-182	51,742.00	61,055.56	56,916.00	67,160.88
601	LOCKING RING	40169990	18	0148-39-173	1,273.00	1,502.14	1,400.00	1,652.00

Sign. of Tenderer(s)

For CWM/CPOH/ADI

60 2	HEXAGON HEAD SCREW	731829 90	18	0148-39-183	4,179.00	4,931.22	4,597.00	5,424.46
60 3	HEXAGON HEAD SCREW	731829 90	18	0148-39-167	5,882.00	6,940.76	6,470.00	7,634.60
60 4	HOUSING	840999 90	18	0148-39-177	278,132.00	328,195.76	305,945.00	361,015.10
60 5	SAFETY ELEMENT	842123 00	18	0148-22-3903	27,184.00	32,077.12	29,902.00	35,284.36
60 6	FILTER CARTRIDGE	842123 00	18	0148-22-2303	37,819.00	44,626.42	41,601.00	49,089.18
60 7	GASKET	401699 90	18	0148-01-012	1,853.00	2,186.54	2,038.00	2,404.84
60 8	CENTERING SLEEVE	840999 90	18	0148-01-041	1,607.00	1,896.26	1,768.00	2,086.24
60 9	CENTERING SLEEVE	840999 90	18	0148-01-051	1,273.00	1,502.14	1,400.00	1,652.00
61 0	HEXAGON HEAD SCREW	731829 90	18	0148-01-178	1,547.00	1,825.46	1,702.00	2,008.36
61 1	COMPRESSION SPRING	840999 90	18	0148-01-187	910.00	1,073.80	1,001.00	1,181.18
61 2	HEXAGON HEAD SCREW	731829 90	18	0148-01-253	657.00	775.26	723.00	853.14
61 3	O-RING	401699 90	18	0148-01-322	1,705.00	2,011.90	1,876.00	2,213.68
61 4	HOSE CLIP	400931 00	18	0148-01-323	641.00	756.38	705.00	831.90
61 5	HOSE SLEEVE	400931 00	18	0148-01-324	7,416.00	8,750.88	8,158.00	9,626.44
61 6	HOSE CLIP	400931 00	18	0148-01-329	553.00	652.54	608.00	717.44
61 7	TUBE	401699 90	18	0148-01-330	30,069.00	35,481.42	33,076.00	39,029.68
61 8	OIL PAN	840999 90	18	0148-02-001	1,742,300.00	2,055,914.0 0	1,916,530.0 0	2,261,505.4 0
61 9	CLAMPING SLEEVE	840999 90	18	0148-05-005	652.00	769.36	717.00	846.06
62 0	CRANKSHAFT	848310 99	18	0148-05-010	8,608,408.00	##### #	9,469,249.0 0	##### #
62 1	STUD BOLT	731829 90	18	0148-08-009	1,258.00	1,484.44	1,384.00	1,633.12
62 2	CYLINDER HEAD	840999 90	18	0148-08-021	478,644.00	564,799.92	526,508.00	621,279.44
62 3	O-RING	401699 90	18	0148-15-004	1,093.00	1,289.74	1,202.00	1,418.36
62 4	FILTER CONSOLE	840999 90	18	0148-15-013	337,287.00	397,998.66	371,016.00	437,798.88
62 5	FILTER CONSOLE	840999 90	18	0148-15-017	337,287.00	397,998.66	371,016.00	437,798.88

Sign. of Tenderer(s)

For CWM/CPOH/ADI

62 6	START-STOP LEVER	840999 90	18	0148-17-055	44,548.00	52,566.64	49,003.00	57,823.54
62 7	HEXAGON HEAD SCREW	731829 90	18	0148-17-109	1,207.00	1,424.26	1,328.00	1,567.04
62 8	HOLLOW SCREW	731829 90	18	0148-17-124	1,752.00	2,067.36	1,927.00	2,273.86
62 9	SUPPORT BRACKET	840999 90	18	0148-19-002	4,646.00	5,482.28	5,111.00	6,030.98
63 0	COMPOSITE FUEL FILTER	842123 00	18	0148-20-009-A	98,267.00	115,955.06	108,094.00	127,550.92
63 1	Filter Body	842123 00	18	0148-20-025	4,152.00	4,899.36	4,567.00	5,389.06
63 2	HEXAGON HEAD SCREW	731829 90	18	0148-20-029	749.00	883.82	824.00	972.32
63 3	GASKET	401699 90	18	0148-20-045	660.00	778.80	726.00	856.68
63 4	GASKET	401699 90	18	0148-20-050	660.00	778.80	726.00	856.68
63 5	INSERT	840999 90	18	0148-22-003	422,691.00	498,775.38	464,960.00	548,652.80
63 6	HOLDER	840999 90	18	0148-22-066	52,236.00	61,638.48	57,460.00	67,802.80
63 7	HOSE CLIP	400931 00	18	0148-22-067	953.00	1,124.54	1,048.00	1,236.64
63 8	RUBBER SLEEVE	401699 60	18	0148-22-068	16,549.00	19,527.82	18,204.00	21,480.72
63 9	HEXAGON NUT	731829 90	18	0148-29-043	169.00	199.42	186.00	219.48
64 0	LEVER	840999 90	18	0148-29-046	60,774.00	71,713.32	66,851.00	78,884.18
64 1	BALL JOINT	840999 90	18	0148-29-048	3,115.00	3,675.70	3,427.00	4,043.86
64 2	WASHER	731822 00	18	0148-29-167	4,642.00	5,477.56	5,106.00	6,025.08
64 3	UNION NUT	731829 90	18	0148-33-121	3,814.00	4,500.52	4,195.00	4,950.10
64 4	CLAMPING RING	401699 90	18	0148-33-122	5,708.00	6,735.44	6,279.00	7,409.22
64 5	DOUBLE NOZZLE	840999 90	18	0148-33-124	4,821.00	5,688.78	5,303.00	6,257.54
64 6	NOZZLE	840999 90	18	0148-33-141	629.00	742.22	692.00	816.56
64 7	NOZZLE	840999 90	18	0148-33-170	2,217.00	2,616.06	2,439.00	2,878.02
64 8	NOZZLE	840999 90	18	0148-33-171	1,067.00	1,259.06	1,174.00	1,385.32
64 9	STUD BOLT	731829 90	18	0148-39-094	1,431.00	1,688.58	1,574.00	1,857.32
65 0	STATOR	840999 90	18	0148-39-124	527,503.00	622,453.54	580,253.00	684,698.54

Sign. of Tenderer(s)

For CWM/CPOH/ADI

65 1	O-RING	401699 90	18	0148-39-302	1,464.00	1,727.52	1,610.00	1,899.80
65 2	BAFFLE	840999 90	18	0148-40-031	6,425.00	7,581.50	7,068.00	8,340.24
65 3	STOPPER	851140 00	18	0148-40-039	5,498.00	6,487.64	6,048.00	7,136.64
65 4	RUBBER GROMMET	401699 90	18	0148-40-042	1,324.00	1,562.32	1,456.00	1,718.08
65 5	COOLING AIR GUIDE	840999 90	18	0148-40-123	60,140.00	70,965.20	66,154.00	78,061.72
65 6	MOUNTING ANGLE	840999 90	18	0148-40-135	8,328.00	9,827.04	9,161.00	10,809.98
65 7	LATCH	840999 90	18	0148-40-138	39,774.00	46,933.32	43,751.00	51,626.18
65 8	HOOD	840999 90	18	0148-40-142	365,985.00	431,862.30	402,584.00	475,049.12
65 9	PANELLING	840999 90	18	0148-40-157	132,050.00	155,819.00	145,255.00	171,400.90
66 0	PIPE CLIP	840999 90	18	0148-41-129	24,744.00	29,197.92	27,218.00	32,117.24
66 1	EXHAUST GAS SILENCER	840999 90	18	0148-41-131	690,734.00	815,066.12	759,807.00	896,572.26
66 2	ROUND FLANGE SEAL	401699 90	18	0148-41-139	10,209.00	12,046.62	11,230.00	13,251.40
66 3	ROUND FLANGE	401699 90	18	0148-41-140	53,608.00	63,257.44	58,969.00	69,583.42
66 4	GASKET	401699 90	18	0148-41-205	1,924.00	2,270.32	2,116.00	2,496.88
66 5	EXHAUST MANIFOLD	840999 90	18	0148-41-207	855,941.00	1,010,010.3 8	941,535.00	1,111,011.3 0
66 6	CORRUGATED TUBE	401699 90	18	0148-41-1220	295,197.00	348,332.46	324,717.00	383,166.06
66 7	GASKET	401699 90	18	0148-43-043	4,545.00	5,363.10	5,000.00	5,900.00
66 8	BELT PULLEY	848350 90	18	0148-44-001	188,667.00	222,627.06	207,534.00	244,890.12
66 9	BRACKET	840999 90	18	0148-44-010	226,807.00	267,632.26	249,488.00	294,395.84
67 0	HEXAGON HEAD SCREW	731829 90	18	0148-44-012	723.00	853.14	795.00	938.10
67 1	CLAMPING STRAP	840999 90	18	0148-44-013	17,991.00	21,229.38	19,790.00	23,352.20
67 2	SPACER BOLT	731829 90	18	0148-44-014	47,425.00	55,961.50	52,168.00	61,558.24
67 3	WASHER	731822 00	18	0148-44-015	2,335.00	2,755.30	2,569.00	3,031.42
67 4	SPRING WASHER	731822 00	18	0148-44-016	67.00	79.06	74.00	87.32
67 5	HEXAGON HEAD SCREW	731829 90	18	0148-44-017	723.00	853.14	795.00	938.10

Sign. of Tenderer(s)

For CWM/CPOH/ADI

67 6	WASHER	731822 00	18	0148-44-018	139.00	164.02	153.00	180.54
67 7	WASHER	731822 00	18	0148-44-019	13,508.00	15,939.44	14,859.00	17,533.62
67 8	HEXAGON HEAD SCREW	731829 90	18	0148-44-020	2,905.00	3,427.90	3,196.00	3,771.28
67 9	HEXAGON HEAD SCREW	731829 90	18	0148-44-021	7,106.00	8,385.08	7,817.00	9,224.06
68 0	NARROW V- BELT SET	401699 90	18	0148-44-022	10,567.00	12,469.06	11,624.00	13,716.32
68 1	PLUG PIECE	851140 00	18	0148-44-023	3,804.00	4,488.72	4,184.00	4,937.12
68 2	SPACER SLEEVE	840999 90	18	0148-44-024	26,975.00	31,830.50	29,673.00	35,014.14
68 3	GENERATOR	851150 00	18	0148-44-041	384,943.00	454,232.74	423,437.00	499,655.66
68 4	FAN	841459 90	18	0148-44-048	27,322.00	32,239.96	30,054.00	35,463.72
68 5	HEXAGON HEAD SCREW	731829 90	18	0148-44-055	2,905.00	3,427.90	3,196.00	3,771.28
68 6	SPRING WASHER	731822 00	18	0148-44-056	102.00	120.36	112.00	132.16
68 7	BELT PULLEY	848350 90	18	0148-44-067	188,667.00	222,627.06	207,534.00	244,890.12
68 8	CLAMPING NUT	731829 90	18	0148-44-070	14,915.00	17,599.70	16,407.00	19,360.26
68 9	HEXAGON NUT	731829 90	18	0148-44-072	169.00	199.42	186.00	219.48
69 0	SPRING WASHER	731822 00	18	0148-44-073	139.00	164.02	153.00	180.54
69 1	STUD BOLT	731829 90	18	0148-44-074	1,291.00	1,523.38	1,420.00	1,675.60
69 2	WASHER	731822 00	18	0148-44-080	13,508.00	15,939.44	14,859.00	17,533.62
69 3	SPACER SLEEVE	840999 90	18	0148-44-082	26,975.00	31,830.50	29,673.00	35,014.14
69 4	SPRING WASHER	731822 00	18	0148-44-122	102.00	120.36	112.00	132.16
69 5	HEXAGON HEAD SCREW	731829 90	18	0148-44-123	2,905.00	3,427.90	3,196.00	3,771.28
69 6	BRACKET	840999 90	18	0148-44-127	226,807.00	267,632.26	249,488.00	294,395.84
69 7	BELT PULLEY	848350 90	18	0148-44-130	188,667.00	222,627.06	207,534.00	244,890.12
69 8	NARROW V- BELT SET	401699 90	18	0148-44-131	10,567.00	12,469.06	11,624.00	13,716.32
69 9	HEXAGON HEAD SCREW	731829 90	18	0148-44-132	723.00	853.14	795.00	938.10
70 0	PLUG CONNECTOR	851140 00	18	0148-44-6072	8,687.00	10,250.66	9,556.00	11,276.08

Sign. of Tenderer(s)

For CWM/CPOH/ADI

701	OIL PRESSURE SWITCH (2.0 to 3.0 BAR)	85114000	18	0148-48-017-A	6,366.00	7,511.88	7,003.00	8,263.54
702	OIL PRESSURE SWITCH (0.3 to 0.5 BAR)	85114000	18	0148-48-017-B	3,090.00	3,646.20	3,399.00	4,010.82
703	OIL PRESSURE SWITCH (0.3 to 0.7 BAR)	85114000	18	0148-48-017-C	6,366.00	7,511.88	7,003.00	8,263.54
704	OIL PRESSURE SWITCH (2.5 BAR)	84099990	18	0148-48-017-D	6,142.00	7,247.56	6,756.00	7,972.08
705	OIL PRESSURE SWITCH (3 to 5 BAR)	85114000	18	0148-48-017-E	3,090.00	3,646.20	3,399.00	4,010.82
706	CABLE TIE	85444299	18	0148-48-021	171.00	201.78	188.00	221.84
707	PUSH-IN SLEEVE	84099990	18	0148-48-032	200.00	236.00	220.00	259.60
708	PUSH-IN SLEEVE	84099990	18	0148-48-033	242.00	285.56	266.00	313.88
709	SWITCH GEAR	84099990	18	0148-51-027	164,824.00	194,492.32	181,306.00	213,941.08
710	TEMPERATURE GAUGE	84099990	18	0148-51-041	35,738.00	42,170.84	39,312.00	46,388.16
711	REDUCER	84099990	18	0148-51-0468	21,637.00	25,531.66	23,801.00	28,085.18
712	HEXAGON HEAD SCREW	73182990	18	0148-52-2480	4,073.00	4,806.14	4,480.00	5,286.40
713	WASHER	73182200	18	0148-52-6254	17,980.00	21,216.40	19,778.00	23,338.04
714	CONNECTION SUPPORTS	84099990	18	0148-58-018	277,669.00	327,649.42	305,436.00	360,414.48
715	Vent Plug	84099990	18	0148-20-014	2,472.00	2,916.96	2,719.00	3,208.42
716	FUEL SUPPLY PUMP	84138190	18	0148-17-032	116,176.00	137,087.68	127,794.00	150,796.92
717	COOLING AIR GUIDE	84099990	18	0148-40-192	49,040.00	57,867.20	53,944.00	63,653.92
718	SEALING RING	40169990	18	0148-22-041	157.00	185.26	173.00	204.14
719	SHIELD PLATE	84099990	18	0148-01-057	35,403.00	41,775.54	38,943.00	45,952.74
720	SIGNAL LAMP	85114000	18	0148-48-011	1,875.00	2,212.50	2,063.00	2,434.34
721	HEAD COVER	84099990	18	0148-33-9711	113,968.00	134,482.24	125,365.00	147,930.70
722	COMPRESSION SPRING	84099990	18	0148-08-046	1,940.00	2,289.20	2,134.00	2,518.12
723	SET OF PARTS	84099990	18	0148-20-023	1,706.00	2,013.08	1,877.00	2,214.86

Sign. of Tenderer(s)

For CWM/CPOH/ADI

72 4	SET OF PARTS	840999 90	18	0148-20-020	2,890.00	3,410.20	3,179.00	3,751.22
72 5	PIPE	840999 90	18	0148-16-034	113,817.00	134,304.06	125,199.00	147,734.82
72 6	INTAKE PIPE	840999 90	18	0148-22-208	136,108.00	160,607.44	149,719.00	176,668.42
72 7	RAIL	840999 90	18	0148-40-169	100,111.00	118,130.98	110,122.00	129,943.96
72 8	HEXAGON HEAD SCREW	731829 90	18	0148-52-027	1,024.00	1,208.32	1,126.00	1,328.68
72 9	HEXAGON HEAD SCREW	731829 90	18	0148-17-120	1,128.00	1,331.04	1,241.00	1,464.38
73 0	HEXAGON NUT	731829 90	18	0148-29-047	144.00	169.92	158.00	186.44
73 1	BLANKING COVER	840999 90	18	0148-01-001	5,331.00	6,290.58	5,864.00	6,919.52
73 2	BLANKING COVER	840999 90	18	0148-01-006	1,564.00	1,845.52	1,720.00	2,029.60
73 3	CORE HOLE CATCH	731829 90	18	0148-01-009	934.00	1,102.12	1,027.00	1,211.86
73 4	BUSHING	401699 90	18	0148-01-015	1,903.00	2,245.54	2,093.00	2,469.74
73 5	BUSHING	401699 90	18	0148-01-016	1,420.00	1,675.60	1,562.00	1,843.16
73 6	COMPRESSION SPRING	840999 90	18	0148-01-021	5,054.00	5,963.72	5,559.00	6,559.62
73 7	RUBBER HOSE	400931 00	18	0148-01- 02149331	17,764.00	20,961.52	19,540.00	23,057.20
73 8	MAIN BEARING	848330 00	18	0148-01-028	6,806.00	8,031.08	7,487.00	8,834.66
73 9	RADIAL SHAFT SEALING RING	848420 00	18	0148-01-043	12,572.00	14,834.96	13,829.00	16,318.22
74 0	RUBBER RING	401699 60	18	0148-01-048	1,894.00	2,234.92	2,083.00	2,457.94
74 1	HOSE CLIP	400931 00	18	0148-01-165	641.00	756.38	705.00	831.90
74 2	RUBBER SLEEVE	401699 60	18	0148-01-166	6,012.00	7,094.16	6,613.00	7,803.34
74 3	VACUUM HOSE	400931 00	18	0148-01-167	28,374.00	33,481.32	31,211.00	36,828.98
74 4	VALVE INSERT	848180 90	18	0148-01-183	35,296.00	41,649.28	38,826.00	45,814.68
74 5	RUBBER SLEEVE	401699 60	18	0148-01-198	6,528.00	7,703.04	7,181.00	8,473.58
74 6	RUBBER SLEEVE	401699 60	18	0148-01-201	2,998.00	3,537.64	3,298.00	3,891.64
74 7	SHIM	840999 90	18	0148-01-2297	5,682.00	6,704.76	6,250.00	7,375.00
74 8	RUBBER SLEEVE	401699 90	18	0148-01-270	8,672.00	10,232.96	9,539.00	11,256.02

Sign. of Tenderer(s)

For CWM/CPOH/ADI

749	RADIAL SHAFT SEALING RING	84842000	18	0148-01-368	8,447.00	9,967.46	9,292.00	10,964.56
750	RUBBER SLEEVE	40169960	18	0148-01-482	6,012.00	7,094.16	6,613.00	7,803.34
751	CYLINDER	84099990	18	0148-04-001	79,123.00	93,365.14	87,035.00	102,701.30
752	INTERMEDIATE RING	40169990	18	0148-04-002	3,090.00	3,646.20	3,399.00	4,010.82
753	GROOVED BALL BEARING	84828000	18	0148-05-048	21,335.00	25,175.30	23,469.00	27,693.42
754	CON ROD BEARING {STD}	84833000	18	0148-06-003	4,132.00	4,875.76	4,545.00	5,363.10
755	PISTON	84099990	18	0148-07-001	115,569.00	136,371.42	127,126.00	150,008.68
756	INLET VALVE	84818090	18	0148-08-001	8,167.00	9,637.06	8,984.00	10,601.12
757	VALVE SEAT RING	84818090	18	0148-08-002	2,722.00	3,211.96	2,994.00	3,532.92
758	OUTLET VALVE	84818090	18	0148-08-003	6,734.00	7,946.12	7,407.00	8,740.26
759	VALVE SEAT RING	84818090	18	0148-08-004	3,506.00	4,137.08	3,857.00	4,551.26
760	VALVE GUIDE	84818090	18	0148-08-011	2,701.00	3,187.18	2,971.00	3,505.78
761	VALVE GUIDE	84818090	18	0148-08-012	3,738.00	4,410.84	4,112.00	4,852.16
762	SHIM RING (2.9 MM)	84099990	18	0148-08-031	9,570.00	11,292.60	10,527.00	12,421.86
763	VALVE SHAFT SEAL	84842000	18	0148-08-047	1,593.00	1,879.74	1,752.00	2,067.36
764	VALVE TAPPET	84818090	18	0148-11-001	6,319.00	7,456.42	6,951.00	8,202.18
765	O-RING	40169990	18	0148-11-002	2,275.00	2,684.50	2,503.00	2,953.54
766	EXCHANGE FILTER	84212300	18	0148-15-021	4,604.00	5,432.72	5,064.00	5,975.52
767	LOCKING PLATE	84099990	18	0148-15-022	1,870.00	2,206.60	2,057.00	2,427.26
768	HOSE CLIP	40093100	18	0148-15-023	860.00	1,014.80	946.00	1,116.28
769	CLAMPING SECTION	84099990	18	0148-15-162	8,699.00	10,264.82	9,569.00	11,291.42
770	GASKET	40169990	18	0148-16-009	215.00	253.70	237.00	279.66
771	GASKET	40169990	18	0148-16-028	519.00	612.42	571.00	673.78
772	HOSE CLIP	40093100	18	0148-16-031	553.00	652.54	608.00	717.44
773	RUBBER HOSE	40093100	18	0148-16-032	9,344.00	11,025.92	10,278.00	12,128.04

Sign. of Tenderer(s)

For CWM/CPOH/ADI

77 4	CONNECTION PIECE	840999 90	18	0148-17-004	5,629.00	6,642.22	6,192.00	7,306.56
77 5	RADIAL SHAFT SEALING RING	848420 00	18	0148-18-020	6,089.00	7,185.02	6,698.00	7,903.64
77 6	BEARING BUSH	848330 00	18	0148-18-021	9,042.00	10,669.56	9,946.00	11,736.28
77 7	RUBBER SLEEVE	401699 60	18	0148-21-014	1,349.00	1,591.82	1,484.00	1,751.12
77 8	INJECTION LINE	840999 90	18	0148-21-030	14,877.00	17,554.86	16,365.00	19,310.70
77 9	HOSE CLIP	400931 00	18	0148-22-107	1,201.00	1,417.18	1,321.00	1,558.78
78 0	RUBBER SLEEVE	401699 60	18	0148-22-108	7,664.00	9,043.52	8,430.00	9,947.40
78 1	RUBBER SLEEVE	401699 60	18	0148-22-207	16,037.00	18,923.66	17,641.00	20,816.38
78 2	TENSION SPRING	840999 90	18	0148-29-041	2,081.00	2,455.58	2,289.00	2,701.02
78 3	O-RING	401699 90	18	0148-33-129	1,903.00	2,245.54	2,093.00	2,469.74
78 4	AIR COMPRESSOR	840999 90	18	0148-33-135	347,399.00	409,930.82	382,139.00	450,924.02
78 5	HOSE CLIP	400931 00	18	0148-33-185	641.00	756.38	705.00	831.90
78 6	VACUUM HOSE	400931 00	18	0148-33-186	36,447.00	43,007.46	40,092.00	47,308.56
78 7	VACUUM HOSE	400931 00	18	0148-33-187	49,833.00	58,802.94	54,816.00	64,682.88
78 8	GROOVED BALL BEARING	848280 00	18	0148-39-123	8,699.00	10,264.82	9,569.00	11,291.42
78 9	RADIAL SHAFT SEALING RING	848420 00	18	0148-39-125	6,851.00	8,084.18	7,536.00	8,892.48
79 0	O-RING	401699 90	18	0148-39-127	1,335.00	1,575.30	1,469.00	1,733.42
79 1	LOCKING PLATE	840999 90	18	0148-39-129	368.00	434.24	405.00	477.90
79 2	GROOVED NUT	731829 90	18	0148-39-130	3,875.00	4,572.50	4,263.00	5,030.34
79 3	RADIAL SHAFT SEALING RING	848420 00	18	0148-39-131	6,136.00	7,240.48	6,750.00	7,965.00
79 4	SHAFT SEALING RING	848420 00	18	0148-39-171	6,274.00	7,403.32	6,901.00	8,143.18
79 5	GROOVED BALL BEARING	848280 00	18	0148-39-174	5,442.00	6,421.56	5,986.00	7,063.48
79 6	RUBBER BUFFER	401699 60	18	0148-39-198	4,612.00	5,442.16	5,073.00	5,986.14
79 7	RADIAL SHAFT SEALING RING	848420 00	18	0148-39-201	9,712.00	11,460.16	10,683.00	12,605.94
79 8	SHIM	840999 90	18	0148-39-208	2,217.00	2,616.06	2,439.00	2,878.02

Sign. of Tenderer(s)

For CWM/CPOH/ADI

79 9	CLAMPING SHEET	840999 90	18	0148-40-004	2,184.00	2,577.12	2,402.00	2,834.36
80 0	CLAMPING SECTION	840999 90	18	0148-40-017	8,699.00	10,264.82	9,569.00	11,291.42
80 1	SEALING PROFILE	401699 90	18	0148-40-019	1,086.00	1,281.48	1,195.00	1,410.10
80 2	WASHER	731822 00	18	0148-40-023	1,508.00	1,779.44	1,659.00	1,957.62
80 3	STOPPER	851140 00	18	0148-40-037	1,212.00	1,430.16	1,333.00	1,572.94
80 4	STOPPER	851140 00	18	0148-40-040	4,612.00	5,442.16	5,073.00	5,986.14
80 5	STOPPER	851140 00	18	0148-40-043	1,257.00	1,483.26	1,383.00	1,631.94
80 6	STOPPER	851140 00	18	0148-40-047	577.00	680.86	635.00	749.30
80 7	SECTIONAL RUBBER	401699 90	18	0148-40-139	1,397.00	1,648.46	1,537.00	1,813.66
80 8	CLAMPING SECTION	840999 90	18	0148-40-145	10,035.00	11,841.30	11,039.00	13,026.02
80 9	RUBBER BUFFER	401699 60	18	0148-40-179	2,308.00	2,723.44	2,539.00	2,996.02
81 0	RECTANGULAR RING	401699 90	18	0148-41-084	1,212.00	1,430.16	1,333.00	1,572.94
81 1	COLLAR NUT	731829 90	18	0148-41-088	554.00	653.72	609.00	718.62
81 2	REPAIR KIT	841490 20	18	0148-43-000	59,284.00	69,955.12	65,212.00	76,950.16
81 3	HEXAGON HEAD SCREW	731829 90	18	0148-43-001	8,374.00	9,881.32	9,211.00	10,868.98
81 4	STAND FOOT	401699 60	18	0148-46-005	103,573.00	122,216.14	113,930.00	134,437.40
81 5	CABLE HARNESS	854442 99	18	0148-48-081	56,980.00	67,236.40	62,678.00	73,960.04
81 6	RADIAL SHAFT SEALING RING	848420 00	18	0148-51-013	2,908.00	3,431.44	3,199.00	3,774.82
81 7	CLUTCH DISK	840999 90	18	0148-52-121	236,149.00	278,655.82	259,764.00	306,521.52
81 8	BALL SOCKET	840999 90	18	0148-52-127	5,585.00	6,590.30	6,144.00	7,249.92
81 9	BALL STUD	731829 90	18	0148-52-128	21,422.00	25,277.96	23,564.00	27,805.52
82 0	SHAFT SEALING RING	848420 00	18	0148-52-132	11,538.00	13,614.84	12,692.00	14,976.56
82 1	GROOVED BALL BEARING	848280 00	18	0148-52-133	17,991.00	21,229.38	19,790.00	23,352.20
82 2	SHAFT SEALING RING	848420 00	18	0148-52-6431	6,507.00	7,678.26	7,158.00	8,446.44
82 3	SHAFT SEALING RING	848420 00	18	0148-52-6433	4,362.00	5,147.16	4,798.00	5,661.64

Sign. of Tenderer(s)

For CWM/CPOH/ADI

82 4	LOCK/YOKE	731829 90	18	0148-56-003	78.00	92.04	86.00	101.48
82 5	JOINT	840999 90	18	0148-56-004	17,071.00	20,143.78	18,778.00	22,158.04
82 6	REVERSING LEVER	840999 90	18	0148-56-005	28,602.00	33,750.36	31,462.00	37,125.16
82 7	BUSHING	401699 90	18	0148-56-007	5,394.00	6,364.92	5,933.00	7,000.94
82 8	WASHER	731822 00	18	0148-56-008	254.00	299.72	279.00	329.22
82 9	HOSE CLIP	400931 00	18	0148-58-001	860.00	1,014.80	946.00	1,116.28
83 0	RUBBER SLEEVE	401699 60	18	0148-58-002	32,758.00	38,654.44	36,034.00	42,520.12
83 1	RUBBER SLEEVE	401699 60	18	0148-58-016	9,943.00	11,732.74	10,937.00	12,905.66
83 2	HOSE CLIP	400931 00	18	0148-58-017	474.00	559.32	521.00	614.78
83 3	GASKET SET	401699 90	18	0148-90-001	192,842.00	227,553.56	212,126.00	250,308.68
83 4	Deutz Oil (20 LTR.)(DQC-II)	271019 80	18	0148-90-6332	8,573.00	10,116.14	9,430.00	11,127.40

(B) Conditional spares Price List of 1 no. Deutz Engines Model No. BF6M1015CP (18% GST) for New BCM

Sl. No.	Description	HSN Code	GS T %	Figure No.	2026-27 Basic Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Basic Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	BUSHING	401699 90	18	0165-01-002	919.00	1,084.42	1,011.00	1,192.98
2	CYLINDER PIN	840999 90	18	0165-01-003	690.00	814.20	759.00	895.62
3	BLANKING COVER	840999 90	18	0165-01-004	642.00	757.56	707.00	834.26
4	SEALING PLUG	401699 90	18	0165-01-005	2,174.00	2,565.32	2,392.00	2,822.56
5	SEALING RING	401699 90	18	0165-01-006	235.00	277.30	259.00	305.62
6	LOCKING SCREW	731829 90	18	0165-01-007	2,083.00	2,457.94	2,292.00	2,704.56
7	VENTING PIPE	840999 90	18	0165-01-008	21,160.00	24,968.80	23,276.00	27,465.68
8	LOCKING SCREW	731829 90	18	0165-01-009	2,130.00	2,513.40	2,343.00	2,764.74
9	SEALING RING	401699 90	18	0165-01-010	92.00	108.56	102.00	120.36
10	BLANKING COVER	840999 90	18	0165-01-011	1,257.00	1,483.26	1,383.00	1,631.94
11	STOPPER	851140 00	18	0165-01-012	2,031.00	2,396.58	2,235.00	2,637.30

Sign. of Tenderer(s)

For CWM/CPOH/ADI

12	CYLINDER PIN	840999 90	18	0165-01-015	181.00	213.58	200.00	236.00
13	NOZZLE	840999 90	18	0165-01-016	12,828.00	15,137.04	14,111.00	16,650.98
14	PRESSURE RELIEF VALVE	848180 90	18	0165-01-017	2,752.00	3,247.36	3,028.00	3,573.04
15	HEXAGON HEAD SCREW	731829 90	18	0165-01-018	5,293.00	6,245.74	5,823.00	6,871.14
16	SEALING RING	401699 90	18	0165-01-019	289.00	341.02	318.00	375.24
17	LOCKING SCREW	731829 90	18	0165-01-020	3,003.00	3,543.54	3,304.00	3,898.72
18	HEXAGON HEAD SCREW	731829 90	18	0165-01-021	12,915.00	15,239.70	14,207.00	16,764.26
19	LOCKING SCREW	731829 90	18	0165-01-022	5,571.00	6,573.78	6,129.00	7,232.22
20	HOUSING	840999 90	18	0165-01-024	16,334.00	19,274.12	17,968.00	21,202.24
21	ADJUSTMENT SCREW	731829 90	18	0165-01-025	8,031.00	9,476.58	8,835.00	10,425.30
22	VALVE PISTON	848180 90	18	0165-01-027	14,036.00	16,562.48	15,440.00	18,219.20
23	GASKET	401699 90	18	0165-01-030	3,476.00	4,101.68	3,824.00	4,512.32
24	CENTERING SLEEVE	840999 90	18	0165-01-032	1,455.00	1,716.90	1,601.00	1,889.18
25	SEALING RING	401699 90	18	0165-01-033	186.00	219.48	205.00	241.90
26	CYLINDER SCREW	731829 90	18	0165-01-034	922.00	1,087.96	1,015.00	1,197.70
27	CYLINDER SCREW	731829 90	18	0165-01-037	1,667.00	1,967.06	1,834.00	2,164.12
28	OIL DIPSTICK	731829 90	18	0165-01-046	41,558.00	49,038.44	45,714.00	53,942.52
29	O-RING	401699 90	18	0165-01-047	749.00	883.82	824.00	972.32
30	GUIDE TUBE	401699 90	18	0165-01-048	21,491.00	25,359.38	23,641.00	27,896.38
31	SEALING RING	401699 90	18	0165-01-049	148.00	174.64	163.00	192.34
32	THREADED SOCKET	840999 90	18	0165-01-050	8,683.00	10,245.94	9,552.00	11,271.36
33	O-RING	401699 90	18	0165-01-052	1,046.00	1,234.28	1,151.00	1,358.18
34	VENTING PIPE	840999 90	18	0165-01-055	15,390.00	18,160.20	16,929.00	19,976.22
35	PIPE CLIP	840999 90	18	0165-01-057	5,771.00	6,809.78	6,349.00	7,491.82
36	WASHER	731822 00	18	0165-01-058	2,114.00	2,494.52	2,326.00	2,744.68

Sign. of Tenderer(s)

For CWM/CPOH/ADI

37	HEXAGON HEAD SCREW	73182990	18	0165-01-059	1,472.00	1,736.96	1,620.00	1,911.60
38	LOCKING SCREW	73182990	18	0165-01-060	2,130.00	2,513.40	2,343.00	2,764.74
39	SEALING RING	40169990	18	0165-01-061	148.00	174.64	163.00	192.34
40	HEXAGON HEAD SCREW	73182990	18	0165-01-082	2,352.00	2,775.36	2,588.00	3,053.84
41	CYLINDER SCREW	73182990	18	0165-01-083	3,363.00	3,968.34	3,700.00	4,366.00
42	CYLINDER SCREW	73182990	18	0165-01-084	2,229.00	2,630.22	2,452.00	2,893.36
43	SEALING RING	40169990	18	0165-01-085	105.00	123.90	116.00	136.88
44	LOCKING SCREW	73182990	18	0165-01-086	824.00	972.32	907.00	1,070.26
45	SEALING RING	40169990	18	0165-01-089	163.00	192.34	180.00	212.40
46	LOCKING SCREW	73182990	18	0165-01-090	1,472.00	1,736.96	1,620.00	1,911.60
47	CYLINDER SCREW	73182990	18	0165-01-091	1,058.00	1,248.44	1,164.00	1,373.52
48	CYLINDER SCREW	73182990	18	0165-01-092	3,097.00	3,654.46	3,407.00	4,020.26
49	CYLINDER SCREW	73182990	18	0165-01-094	4,228.00	4,989.04	4,651.00	5,488.18
50	WASHER	73182200	18	0165-01-094A	186.00	219.48	205.00	241.90
51	LOCKING SCREW	73182990	18	0165-01-097	986.00	1,163.48	1,085.00	1,280.30
52	SEALING RING	40169990	18	0165-01-098	186.00	219.48	205.00	241.90
53	O-RING	40169990	18	0165-01-099	3,065.00	3,616.70	3,372.00	3,978.96
54	O-RING	40169990	18	0165-01-100	1,743.00	2,056.74	1,918.00	2,263.24
55	GASKET	40169990	18	0165-01-101	22,032.00	25,997.76	24,236.00	28,598.48
56	THRUST RING	84099990	18	0165-01-102	12,978.00	15,314.04	14,276.00	16,845.68
57	BOLT	84099990	18	0165-01-104	39,523.00	46,637.14	43,476.00	51,301.68
58	Idler Gear	84839000	18	0165-01-105	217,201.00	256,297.18	238,922.00	281,927.96
59	SHIM	84099990	18	0165-01-106	13,911.00	16,414.98	15,303.00	18,057.54
60	HEXAGON HEAD SCREW	73182990	18	0165-01-107	2,803.00	3,307.54	3,084.00	3,639.12
61	BUSHING	40169990	18	0165-01-108	2,740.00	3,233.20	3,014.00	3,556.52

Sign. of Tenderer(s)

For CWM/CPOH/ADI

62	HEXAGON HEAD SCREW	731829 90	18	0165-01-123	1,169.00	1,379.42	1,286.00	1,517.48
63	WASHER	731822 00	18	0165-01-124	130.00	153.40	143.00	168.74
64	COVER	840999 90	18	0165-01-126	107,668.00	127,048.24	118,435.00	139,753.30
65	BLANKING COVER	840999 90	18	0165-01-128	39,182.00	46,234.76	43,101.00	50,859.18
66	CYLINDER SCREW	731829 90	18	0165-01-129	873.00	1,030.14	961.00	1,133.98
67	PACKING COMPOUND	321410 00	18	0165-01-130	8,301.00	9,795.18	9,132.00	10,775.76
68	CYLINDER SCREW	731829 90	18	0165-01-136	994.00	1,172.92	1,094.00	1,290.92
69	O-RING	401699 90	18	0165-01-162	7,484.00	8,831.12	8,233.00	9,714.94
70	THREADED BUSH	840999 90	18	0165-01-164	2,731.00	3,222.58	3,005.00	3,545.90
71	SEALING PLUG	401699 90	18	0165-01-166	2,174.00	2,565.32	2,392.00	2,822.56
72	WASHER	731822 00	18	0165-01-167	2,831.00	3,340.58	3,115.00	3,675.70
73	THREADED BUSH	840999 90	18	0165-01-168	2,352.00	2,775.36	2,588.00	3,053.84
74	GASKET	401699 90	18	0165-02-001	15,624.00	18,436.32	17,187.00	20,280.66
75	LOCKING SCREW	731829 90	18	0165-02-003	2,728.00	3,219.04	3,001.00	3,541.18
76	SEALING RING	401699 90	18	0165-02-004	561.00	661.98	618.00	729.24
77	WASHER	731822 00	18	0165-02-005	546.00	644.28	601.00	709.18
78	HEXAGON HEAD SCREW	731829 90	18	0165-02-008	700.00	826.00	770.00	908.60
79	WASHER	731822 00	18	0165-02-011	2,679.00	3,161.22	2,947.00	3,477.46
80	HEXAGON HEAD SCREW	731829 90	18	0165-02-012	985.00	1,162.30	1,084.00	1,279.12
81	PACKING COMPOUND	321410 00	18	0165-02-027	7,809.00	9,214.62	8,590.00	10,136.20
82	ADAPTER	840999 90	18	0165-02-032	19,592.00	23,118.56	21,552.00	25,431.36
83	DISCHARGE VALVE	848180 90	18	0165-02-033	23,511.00	27,742.98	25,863.00	30,518.34
84	HOSE CONNECTION	400931 00	18	0165-02-034	20,422.00	24,097.96	22,465.00	26,508.70
85	CRANKSHAFT	848310 99	18	0165-05-001	1,764,389.00	2,081,979.0 2	1,940,828.0 0	2,290,177.0 4
86	CYLINDER SCREW	731829 90	18	0165-05-002	6,596.00	7,783.28	7,256.00	8,562.08

Sign. of Tenderer(s)

For CWM/CPOH/ADI

87	CRANKSHAFT BEARING (1st U/S)	84833000	18	0165-05-004/1	54,326.00	64,104.68	59,759.00	70,515.62
88	CRANKSHAFT BEARING (2nd U/S)	84833000	18	0165-05-004/2	76,477.00	90,242.86	84,125.00	99,267.50
89	CRANKSHAFT BEARING (3rd U/S)	84833000	18	0165-05-004/3	76,477.00	90,242.86	84,125.00	99,267.50
90	CRANKSHAFT BEARING (4th U/S)	84833000	18	0165-05-004/4	76,477.00	90,242.86	84,125.00	99,267.50
91	CON ROD BEARING (1st U/S)	84833000	18	0165-05-006/1	29,613.00	34,943.34	32,575.00	38,438.50
92	CON ROD BEARING (2nd U/S)	84833000	18	0165-05-006/2	49,664.00	58,603.52	54,631.00	64,464.58
93	CON ROD BEARING (3rd U/S)	84833000	18	0165-05-006/3	59,223.00	69,883.14	65,146.00	76,872.28
94	TORSIONAL VIBRATION DAMPER	40169960	18	0165-05-041	222,983.00	263,119.94	245,282.00	289,432.76
95	FLANGE HUB	84099990	18	0165-05-043	121,348.00	143,190.64	133,483.00	157,509.94
96	CYLINDER SCREW	73182990	18	0165-05-044	5,819.00	6,866.42	6,401.00	7,553.18
97	GEAR RING	84839000	18	0165-05-047	155,319.00	183,276.42	170,851.00	201,604.18
98	CLAMPING PIN	84099990	18	0165-05-048	122.00	143.96	135.00	159.30
99	SCREW	73182990	18	0165-05-053	5,664.00	6,683.52	6,231.00	7,352.58
100	PRESSURE DISC	84099990	18	0165-05-054	32,533.00	38,388.94	35,787.00	42,228.66
101	GROOVED BALL BEARING	84828000	18	0165-05-056	6,178.00	7,290.04	6,796.00	8,019.28
102	FLYWHEEL	84099990	18	0165-05-063	729,029.00	860,254.22	801,932.00	946,279.76
103	PISTON ROD	84099990	18	0165-06-001	96,527.00	113,901.86	106,180.00	125,292.40
104	CON ROD SCREW	84833000	18	0165-06-002	2,299.00	2,712.82	2,529.00	2,984.22
105	BIG END BUSH	84833000	18	0165-06-003	3,380.00	3,988.40	3,718.00	4,387.24
106	LOCKING RING	40169990	18	0165-07-005	1,346.00	1,588.28	1,481.00	1,747.58
107	PISTON BOLT	84099990	18	0165-07-006	28,572.00	33,714.96	31,430.00	37,087.40

Sign. of Tenderer(s)

For CWM/CPOH/ADI

108	PISTON RING SET	84099990	18	0165-07-007	48,497.00	57,226.46	53,347.00	62,949.46
109	VALVE COTTER	84818090	18	0165-08-001	481.00	567.58	530.00	625.40
110	SPRING PLATE	84099990	18	0165-08-002	3,135.00	3,699.30	3,449.00	4,069.82
111	VALVE SPRING	84818090	18	0165-08-003	1,884.00	2,223.12	2,073.00	2,446.14
112	CORE HOLE CATCH	73182990	18	0165-08-006	700.00	826.00	770.00	908.60
113	BLANKING COVER	84099990	18	0165-08-008	779.00	919.22	857.00	1,011.26
114	CYLINDER HEAD	84099990	18	0165-08-013	303,103.00	357,661.54	333,414.00	393,428.52
115	LOCKING AGENT	84099990	18	0165-08-014	72,743.00	85,836.74	80,018.00	94,421.24
116	CYLINDER HEAD SCREW	73182990	18	0165-08-015	16,182.00	19,094.76	17,801.00	21,005.18
117	CYLINDER SCREW	73182990	18	0165-08-019	456.00	538.08	502.00	592.36
118	CYLINDER SCREW	73182990	18	0165-08-020	1,076.00	1,269.68	1,184.00	1,397.12
119	CYLINDER SCREW	73182990	18	0165-08-021	1,483.00	1,749.94	1,632.00	1,925.76
120	CYLINDER HEAD COVER	84099990	18	0165-08-022	29,613.00	34,943.34	32,575.00	38,438.50
121	GASKET	40169990	18	0165-08-023	2,939.00	3,468.02	3,233.00	3,814.94
122	FILLER LOCK	84099990	18	0165-08-024	3,989.00	4,707.02	4,388.00	5,177.84
123	CYLINDER SCREW	73182990	18	0165-08-025	922.00	1,087.96	1,015.00	1,197.70
124	PROFILE SEAL	40169990	18	0165-08-026	1,935.00	2,283.30	2,129.00	2,512.22
125	CYLINDER HEAD COVER	84099990	18	0165-08-027	13,100.00	15,458.00	14,410.00	17,003.80
126	LOCKING SCREW	73182990	18	0165-09-001	3,587.00	4,232.66	3,946.00	4,656.28
127	SEALING RING	40169990	18	0165-09-002	263.00	310.34	290.00	342.20
128	O-RING	40169990	18	0165-09-004	5,138.00	6,062.84	5,652.00	6,669.36
129	IDLER GEAR	84839000	18	0165-09-009A	111,135.00	131,139.30	122,249.00	144,253.82
130	ONE-PIECE CAMSHAFT	84831099	18	0165-10-001	240,149.00	283,375.82	264,164.00	311,713.52
131	IDLER GEAR	84839000	18	0165-10-002	76,710.00	90,517.80	84,381.00	99,569.58
132	TOOTHED WHEEL	84839000	18	0165-10-003	211,705.00	249,811.90	232,876.00	274,793.68

Sign. of Tenderer(s)

For CWM/CPOH/ADI

133	CYLINDER PIN	84099990	18	0165-10-004	150.00	177.00	165.00	194.70
134	HEXAGON HEAD SCREW	73182990	18	0165-10-005	685.00	808.30	754.00	889.72
135	SCREW	73182990	18	0165-10-006	5,664.00	6,683.52	6,231.00	7,352.58
136	GASKET	40169990	18	0165-10-007	372.00	438.96	410.00	483.80
137	COVER	84099990	18	0165-10-008	28,497.00	33,626.46	31,347.00	36,989.46
138	SEALING RING	40169990	18	0165-10-009	186.00	219.48	205.00	241.90
139	CYLINDER SCREW	73182990	18	0165-10-010	797.00	940.46	877.00	1,034.86
140	CYLINDER SCREW	73182990	18	0165-11-001	1,058.00	1,248.44	1,164.00	1,373.52
141	HEXAGON NUT	73182990	18	0165-11-005	134.00	158.12	148.00	174.64
142	ROCKER ARM LATCH	84099990	18	0165-11-003	18,942.00	22,351.56	20,837.00	24,587.66
143	INLET ROCKER ARM	84099990	18	0165-11-007	37,995.00	44,834.10	41,795.00	49,318.10
144	OUTLET ROCKER ARM	84099990	18	0165-11-007A	38,708.00	45,675.44	42,579.00	50,243.22
145	PUSH ROD	84099990	18	0165-11-009	5,969.00	7,043.42	6,566.00	7,747.88
146	O-RING	40169990	18	0165-14-001	3,951.00	4,662.18	4,347.00	5,129.46
147	PLUG PIECE	85114000	18	0165-14-002	36,720.00	43,329.60	40,392.00	47,662.56
148	O-RING	40169990	18	0165-14-003	3,363.00	3,968.34	3,700.00	4,366.00
149	OIL PRESSURE PUMP	84138190	18	0165-14-004	166,474.00	196,439.32	183,122.00	216,083.96
150	CYLINDER SCREW	73182990	18	0165-14-006	1,667.00	1,967.06	1,834.00	2,164.12
151	CLAMPING BUSH	40169990	18	0165-14-007	642.00	757.56	707.00	834.26
152	HEXAGON HEAD SCREW	73182990	18	0165-14-008	2,130.00	2,513.40	2,343.00	2,764.74
153	THREADED SOCKET	84099990	18	0165-15-012	25,047.00	29,555.46	27,552.00	32,511.36
154	GASKET	40169990	18	0165-15-041	4,850.00	5,723.00	5,335.00	6,295.30
155	CYLINDER SCREW	73182990	18	0165-15-046	1,029.00	1,214.22	1,132.00	1,335.76
156	CYLINDER SCREW	73182990	18	0165-15-047	994.00	1,172.92	1,094.00	1,290.92
157	LUBRICATING OIL COOLER	84099990	18	0165-15-049	184,893.00	218,173.74	203,383.00	239,991.94

Sign. of Tenderer(s)

For CWM/CPOH/ADI

158	HEXAGON HEAD SCREW	73182990	18	0165-15-050	1,076.00	1,269.68	1,184.00	1,397.12
159	O-RING	40169990	18	0165-15-051	4,169.00	4,919.42	4,586.00	5,411.48
160	O-RING	40169990	18	0165-15-052	1,652.00	1,949.36	1,818.00	2,145.24
161	GASKET	40169990	18	0165-16-001	924.00	1,090.32	1,017.00	1,200.06
162	HEXAGON HEAD SCREW	73182990	18	0165-16-004	460.00	542.80	506.00	597.08
163	HEXAGON HEAD SCREW	73182990	18	0165-16-005	523.00	617.14	576.00	679.68
164	HOLDER	84099990	18	0165-16-006	12,231.00	14,432.58	13,455.00	15,876.90
165	HEXAGON HEAD SCREW	73182990	18	0165-16-041	570.00	672.60	627.00	739.86
166	FLANGE	84099990	18	0165-16-042	86,914.00	102,558.52	95,606.00	112,815.08
167	GASKET	40169990	18	0165-16-043	195.00	230.10	215.00	253.70
168	LUBRICATING OIL LINE	84099990	18	0165-16-044	16,029.00	18,914.22	17,632.00	20,805.76
169	NOZZLE	84099990	18	0165-16-047	3,973.00	4,688.14	4,371.00	5,157.78
170	LOCKING PIECE	85114000	18	0165-16-049	1,083.00	1,277.94	1,192.00	1,406.56
171	UNION NUT	73182990	18	0165-16-050	283.00	333.94	312.00	368.16
172	LUBRICATING OIL LINE	84099990	18	0165-16-051	16,743.00	19,756.74	18,418.00	21,733.24
173	SEALING RING	40169990	18	0165-16-053	148.00	174.64	163.00	192.34
174	GASKET	40169990	18	0165-16-054	552.00	651.36	608.00	717.44
175	HEXAGON HEAD SCREW	73182990	18	0165-16-056	533.00	628.94	587.00	692.66
176	CYLINDER SCREW	73182990	18	0165-16-058	873.00	1,030.14	961.00	1,133.98
177	GASKET	40169990	18	0165-16-060	750.00	885.00	825.00	973.50
178	NOZZLE	84099990	18	0165-16-066	966.00	1,139.88	1,063.00	1,254.34
179	HEXAGON HEAD SCREW	73182990	18	0165-16-067	227.00	267.86	250.00	295.00
180	PIPE CLIP	84099990	18	0165-16-068	999.00	1,178.82	1,099.00	1,296.82
181	HEXAGON HEAD SCREW	73182990	18	0165-16-070	771.00	909.78	849.00	1,001.82
182	HOLDER	84099990	18	0165-16-072	11,137.00	13,141.66	12,251.00	14,456.18

Sign. of Tenderer(s)

For CWM/CPOH/ADI

183	SPRING BAND CLIP	84099990	18	0165-16-074	781.00	921.58	860.00	1,014.80
184	WASHER	73182200	18	0165-16-077	205.00	241.90	226.00	266.68
185	INJECTOR PUMP	84138190	18	0165-17-001	2,781,533.00	3,282,208.94	3,059,687.00	3,610,430.66
186	SUPPLY PUMP	84138190	18	0165-17-002	75,543.00	89,140.74	83,098.00	98,055.64
187	O-RING	40169990	18	0165-17-008	2,302.00	2,716.36	2,533.00	2,988.94
188	BALL DISC	73182200	18	0165-17-009	873.00	1,030.14	961.00	1,133.98
189	HEXAGON HEAD SCREW	73182990	18	0165-17-010	763.00	900.34	840.00	991.20
190	SEALING RING	40169990	18	0165-17-011	2,398.00	2,829.64	2,638.00	3,112.84
191	SEALING PLATE	40169990	18	0165-17-014	516.00	608.88	568.00	670.24
192	SPRING RING	84099990	18	0165-17-015	149.00	175.82	164.00	193.52
193	HEXAGON NUT	73182990	18	0165-17-016	153.00	180.54	169.00	199.42
194	SEALING RING	40169990	18	0165-17-018	148.00	174.64	163.00	192.34
195	THREADED BUSH	84099990	18	0165-17-019	4,203.00	4,959.54	4,624.00	5,456.32
196	OIL RETURN LINE	84099990	18	0165-17-020	46,052.00	54,341.36	50,658.00	59,776.44
197	HOLLOW SCREW	73182990	18	0165-17-021	2,601.00	3,069.18	2,862.00	3,377.16
198	O-RING	40169990	18	0165-17-022	1,433.00	1,690.94	1,577.00	1,860.86
199	NOZZLE	84099990	18	0165-17-023	7,124.00	8,406.32	7,837.00	9,247.66
200	LOCKING SCREW	73182990	18	0165-17-024	2,130.00	2,513.40	2,343.00	2,764.74
201	SEALING RING	40169990	18	0165-17-025	148.00	174.64	163.00	192.34
202	SPHERICAL ROLLER BEARING	84828000	18	0165-17-060	110,157.00	129,985.26	121,173.00	142,984.14
203	LOCKING SCREW	73182990	18	0165-17-106	1,556.00	1,836.08	1,712.00	2,020.16
204	CYLINDRICAL ROLLER BEARING	84828000	18	0165-17-110	27,548.00	32,506.64	30,303.00	35,757.54
205	CAPSULE	84099990	18	0165-17-116	1,568.00	1,850.24	1,725.00	2,035.50
206	LOCKING SCREW	73182990	18	0165-17-119	2,803.00	3,307.54	3,084.00	3,639.12

Sign. of Tenderer(s)

For CWM/CPOH/ADI

207	HEXAGON HEAD SCREW	73182990	18	0165-18-001	389.00	459.02	428.00	505.04
208	WASHER	73182200	18	0165-18-002	1,244.00	1,467.92	1,369.00	1,615.42
209	TOOTHED WHEEL	84839000	18	0165-18-003	146,876.00	173,313.68	161,564.00	190,645.52
210	SEALING RING	40169990	18	0165-19-003	792.00	934.56	872.00	1,028.96
211	INJECTOR VALVE	84818090	18	0165-19-004	61,554.00	72,633.72	67,710.00	79,897.80
212	UNION SCREW	73182990	18	0165-19-006	4,595.00	5,422.10	5,055.00	5,964.90
213	O-RING	40169990	18	0165-19-013	3,426.00	4,042.68	3,769.00	4,447.42
214	HOLLOW SCREW	73182990	18	0165-20-001	2,601.00	3,069.18	2,862.00	3,377.16
215	SEALING RING	40169990	18	0165-20-002	92.00	108.56	102.00	120.36
216	Vent Plug	84099990	18	0165-20-006	2,238.00	2,640.84	2,462.00	2,905.16
217	SEALING RING	40169990	18	0165-20-007	91.00	107.38	101.00	119.18
218	FILTER HEAD	84212300	18	0165-20-008	46,676.00	55,077.68	51,344.00	60,585.92
219	FILTER CARTRIDGE	84212300	18	0165-20-017	24,826.00	29,294.68	27,309.00	32,224.62
220	FILTER ELEMENT	84212300	18	0165-20-029	15,714.00	18,542.52	17,286.00	20,397.48
221	GASKET SET	40169990	18	0165-20-030	19,915.00	23,499.70	21,907.00	25,850.26
222	HOSE LINE	40093100	18	0165-20-073	13,299.00	15,692.82	14,629.00	17,262.22
223	HOSE LINE	40093100	18	0165-20-074	13,299.00	15,692.82	14,629.00	17,262.22
224	HOLDER	84099990	18	0165-20-075	14,011.00	16,532.98	15,413.00	18,187.34
225	HEXAGON NUT	73182990	18	0165-20-076	343.00	404.74	378.00	446.04
226	WASHER	73182200	18	0165-20-077	219.00	258.42	241.00	284.38
227	MOUNT BUFFER	40169960	18	0165-20-078	5,535.00	6,531.30	6,089.00	7,185.02
228	HEXAGON HEAD SCREW	73182990	18	0165-20-079	1,093.00	1,289.74	1,203.00	1,419.54
229	INJECTION LINE	84099990	18	0165-21-004	24,715.00	29,163.70	27,187.00	32,080.66
230	INJECTION LINE	84099990	18	0165-21-005	24,715.00	29,163.70	27,187.00	32,080.66
231	INJECTION LINE	84099990	18	0165-21-006	24,715.00	29,163.70	27,187.00	32,080.66

Sign. of Tenderer(s)

For CWM/CPOH/ADI

23 2	LATCH	840999 90	18	0165-21-008	7,101.00	8,379.18	7,812.00	9,218.16
23 3	WASHER	731822 00	18	0165-21-009	1,912.00	2,256.16	2,104.00	2,482.72
23 4	PIPE CLIP	840999 90	18	0165-21-021	3,454.00	4,075.72	3,800.00	4,484.00
23 5	PIPE CLIP	840999 90	18	0165-21-022	3,429.00	4,046.22	3,772.00	4,450.96
23 6	PIPE CLIP	840999 90	18	0165-21-024	2,430.00	2,867.40	2,673.00	3,154.14
23 7	PIPE CLIP	840999 90	18	0165-21-025	1,494.00	1,762.92	1,644.00	1,939.92
23 8	FUEL LINE	840999 90	18	0165-21-041	27,073.00	31,946.14	29,781.00	35,141.58
23 9	FUEL LINE	840999 90	18	0165-21-042	20,186.00	23,819.48	22,205.00	26,201.90
24 0	HOLLOW SCREW	731829 90	18	0165-21-043	2,601.00	3,069.18	2,862.00	3,377.16
24 1	SEALING RING	401699 90	18	0165-21-044	92.00	108.56	102.00	120.36
24 2	RING PIECE	848420 00	18	0165-21-045	7,337.00	8,657.66	8,071.00	9,523.78
24 3	Fuel Line	840999 90	18	0165-21-046	87,864.00	103,679.52	96,651.00	114,048.18
24 4	FUEL LINE	840999 90	18	0165-21-047	28,259.00	33,345.62	31,085.00	36,680.30
24 5	THREADED BUSH	840999 90	18	0165-21-048	9,143.00	10,788.74	10,058.00	11,868.44
24 6	CLIP HALF	840999 90	18	0165-21-053	6,982.00	8,238.76	7,681.00	9,063.58
24 7	CLIP HALF	840999 90	18	0165-21-054	5,604.00	6,612.72	6,165.00	7,274.70
24 8	STUD BOLT	731829 90	18	0165-21-063	612.00	722.16	674.00	795.32
24 9	HEXAGON NUT	731829 90	18	0165-21-064	153.00	180.54	169.00	199.42
25 0	WASHER	731822 00	18	0165-21-065	205.00	241.90	226.00	266.68
25 1	WASHER	731822 00	18	0165-21-066	1,912.00	2,256.16	2,104.00	2,482.72
25 2	FILTER CARTRIDGE	842123 00	18	0165-22-163	26,931.00	31,778.58	29,625.00	34,957.50
25 3	SAFETY ELEMENT	842123 00	18	0165-22-164	14,602.00	17,230.36	16,063.00	18,954.34
25 4	LOCKING SCREW	731829 90	18	0165-22-041	2,130.00	2,513.40	2,343.00	2,764.74
25 5	SEALING RING	401699 90	18	0165-22-042	148.00	174.64	163.00	192.34
25 6	INTAKE MANIFOLD	848180 90	18	0165-22-043	231,056.00	272,646.08	254,162.00	299,911.16

Sign. of Tenderer(s)

For CWM/CPOH/ADI

257	HEXAGON HEAD SCREW	73182990	18	0165-22-044	481.00	567.58	530.00	625.40
258	HEXAGON HEAD SCREW	73182990	18	0165-22-045	2,146.00	2,532.28	2,361.00	2,785.98
259	GASKET	40169990	18	0165-22-046	1,621.00	1,912.78	1,784.00	2,105.12
260	INTAKE MANIFOLD	84818090	18	0165-22-047	231,056.00	272,646.08	254,162.00	299,911.16
261	HEXAGON NUT	73182990	18	0165-22-048	343.00	404.74	378.00	446.04
262	WASHER	73182200	18	0165-22-049	219.00	258.42	241.00	284.38
263	CONNECTING LINE	85444299	18	0165-22-053	185,700.00	219,126.00	204,270.00	241,038.60
264	GASKET	40169990	18	0165-22-051	1,091.00	1,287.38	1,201.00	1,417.18
265	HEXAGON HEAD BOLT	73182990	18	0165-22-052	1,667.00	1,967.06	1,834.00	2,164.12
266	HOSE CLIP	40093100	18	0165-22-054	5,422.00	6,397.96	5,965.00	7,038.70
267	RUBBER SLEEVE	40169960	18	0165-22-055	19,984.00	23,581.12	21,983.00	25,939.94
268	CONNECTING LINE	85444299	18	0165-22-056	161,480.00	190,546.40	177,628.00	209,601.04
269	GASKET	40169990	18	0165-22-058	1,513.00	1,785.34	1,665.00	1,964.70
270	STUD BOLT	73182990	18	0165-22-059	531.00	626.58	585.00	690.30
271	WASHER	73182200	18	0165-22-060	211.00	248.98	233.00	274.94
272	HEXAGON NUT	73182990	18	0165-22-061	276.00	325.68	304.00	358.72
273	WASHER	73182200	18	0165-22-070	546.00	644.28	601.00	709.18
274	HOSE CLIP	40093100	18	0165-22-081	1,260.00	1,486.80	1,386.00	1,635.48
275	CHARGE AIR LINE	84099990	18	0165-22-083	189,976.00	224,171.68	208,974.00	246,589.32
276	O-RING	40169990	18	0165-22-084	7,696.00	9,081.28	8,466.00	9,989.88
277	PLUG PIECE	85114000	18	0165-22-085	32,701.00	38,587.18	35,972.00	42,446.96
278	WASHER	73182200	18	0165-22-086	130.00	153.40	143.00	168.74
279	CYLINDER SCREW	73182990	18	0165-22-087	922.00	1,087.96	1,015.00	1,197.70
280	LOCKING SCREW	73182990	18	0165-22-088	3,613.00	4,263.34	3,975.00	4,690.50
281	SEALING RING	40169990	18	0165-22-089	244.00	287.92	269.00	317.42

Sign. of Tenderer(s)

For CWM/CPOH/ADI

28 2	INTAKE MANIFOLD	848180 90	18	0165-22-090	98,860.00	116,654.80	108,746.00	128,320.28
28 3	HOSE CLIP	400931 00	18	0165-22-091	771.00	909.78	849.00	1,001.82
28 4	RUBBER SLEEVE	401699 60	18	0165-22-092	10,448.00	12,328.64	11,493.00	13,561.74
28 5	SERVICE INDICATOR	840999 90	18	0165-22-093	13,539.00	15,976.02	14,893.00	17,573.74
28 6	CYLINDER SCREW	731829 90	18	0165-22-104	1,029.00	1,214.22	1,132.00	1,335.76
28 7	PIPE	840999 90	18	0165-26-001	23,985.00	28,302.30	26,384.00	31,133.12
28 8	PIPE CLIP	840999 90	18	0165-26-003	2,861.00	3,375.98	3,148.00	3,714.64
28 9	HOLLOW SCREW	731829 90	18	0165-26-004	1,420.00	1,675.60	1,562.00	1,843.16
29 0	SEALING RING	401699 90	18	0165-26-005	92.00	108.56	102.00	120.36
29 1	NOZZLE	840999 90	18	0165-26-007	4,037.00	4,763.66	4,441.00	5,240.38
29 2	HOSE LINE	400931 00	18	0165-26-008	19,592.00	23,118.56	21,552.00	25,431.36
29 3	HOLLOW SCREW	731829 90	18	0165-26-009	3,468.00	4,092.24	3,815.00	4,501.70
29 4	HOLLOW SCREW	731829 90	18	0165-26-010	2,302.00	2,716.36	2,533.00	2,988.94
29 5	PIPE	840999 90	18	0165-26-012	23,985.00	28,302.30	26,384.00	31,133.12
29 6	GLOW PLUG	851140 00	18	0165-26-013	117,001.00	138,061.18	128,702.00	151,868.36
29 7	SEALING RING	401699 90	18	0165-26-014	551.00	650.18	607.00	716.26
29 8	HEXAGON HEAD SCREW	731829 90	18	0165-26-015	533.00	628.94	587.00	692.66
29 9	HOLDER	840999 90	18	0165-26-016	12,825.00	15,133.50	14,108.00	16,647.44
30 0	HEXAGON HEAD SCREW	731829 90	18	0165-26-017	190.00	224.20	209.00	246.62
30 1	SOLENOID VALVE	848180 90	18	0165-26-018	60,791.00	71,733.38	66,871.00	78,907.78
30 2	CONNECTING LINE	854442 99	18	0165-26-018-A	11,091.00	13,087.38	12,201.00	14,397.18
30 3	THREADED SOCKET	840999 90	18	0165-26-018-B	14,369.00	16,955.42	15,806.00	18,651.08
30 4	SEALING RING	401699 90	18	0165-26-018-C	393.00	463.74	433.00	510.94
30 5	NOZZLE	840999 90	18	0165-26-021	570.00	672.60	627.00	739.86
30 6	HEXAGON HEAD SCREW	731829 90	18	0165-26-022	227.00	267.86	250.00	295.00

Sign. of Tenderer(s)

For CWM/CPOH/ADI

307	PIPE CLIP	84099990	18	0165-26-023	1,034.00	1,220.12	1,138.00	1,342.84
308	PIPE CLIP	84099990	18	0165-26-029	1,508.00	1,779.44	1,659.00	1,957.62
309	PIPE CLIP	84099990	18	0165-26-030	1,973.00	2,328.14	2,171.00	2,561.78
310	CONTROL UNIT	84099990	18	0165-27-016	439,499.00	518,608.82	483,449.00	570,469.82
311	TENSION SPRING	84099990	18	0165-29-007	1,884.00	2,223.12	2,073.00	2,446.14
312	AIR COMPRESSOR	84099990	18	0165-33-001	1,144,272.00	1,350,240.96	1,258,700.00	1,485,266.00
313	TOOTHED WHEEL	84839000	18	0165-33-003	80,208.00	94,645.44	88,229.00	104,110.22
314	STUD BOLT	73182990	18	0165-33-005	671.00	791.78	739.00	872.02
315	HEXAGON NUT	73182990	18	0165-33-006	343.00	404.74	378.00	446.04
316	BLANKING COVER	84099990	18	0165-33-007	16,743.00	19,756.74	18,418.00	21,733.24
317	ANGLED NOZZLE	84099990	18	0165-33-009	4,328.00	5,107.04	4,761.00	5,617.98
318	HOSE CLIP	40093100	18	0165-33-010	501.00	591.18	552.00	651.36
319	CONNECTION SUPPORTS	84099990	18	0165-33-011	16,334.00	19,274.12	17,968.00	21,202.24
320	VACUUM HOSE	40093100	18	0165-33-012-A	30,342.00	35,803.56	33,377.00	39,384.86
321	ADAPTER	84099990	18	0165-33-013	26,764.00	31,581.52	29,441.00	34,740.38
322	O-RING	40169990	18	0165-33-014	1,822.00	2,149.96	2,005.00	2,365.90
323	HEXAGON HEAD SCREW	73182990	18	0165-33-015	533.00	628.94	587.00	692.66
324	RUBBER SLEEVE	40169960	18	0165-33-016	6,806.00	8,031.08	7,487.00	8,834.66
325	VACUUM HOSE	40093100	18	0165-33-016-A	20,539.00	24,236.02	22,593.00	26,659.74
326	Piston Assembly	84099990	18	0165-33-020	106,128.00	125,231.04	116,741.00	137,754.38
327	HEXAGON HEAD SCREW	73182990	18	0165-33-021	595.00	702.10	655.00	772.90
328	COVER	84099990	18	0165-33-022	68,391.00	80,701.38	75,231.00	88,772.58
329	O-RING	40169990	18	0165-33-023	2,092.00	2,468.56	2,302.00	2,716.36
330	NOZZLE	84099990	18	0165-33-027	11,874.00	14,011.32	13,062.00	15,413.16
331	CYLINDER HEAD SEAL	40169990	18	0165-33-028	41,391.00	48,841.38	45,531.00	53,726.58

Sign. of Tenderer(s)

For CWM/CPOH/ADI

33 2	Lamina	840999 90	18	0165-33-029	18,276.00	21,565.68	19,629.00	23,162.22
33 3	LAMELLAR VALVE	848180 90	18	0165-33-030	182,972.00	215,906.96	201,270.00	237,498.60
33 4	TUBE	401699 90	18	0165-33-043	24,935.00	29,423.30	27,429.00	32,366.22
33 5	NOZZLE	840999 90	18	0165-33-044	1,211.00	1,428.98	1,333.00	1,572.94
33 6	SEALING RING	401699 90	18	0165-33-046	235.00	277.30	259.00	305.62
33 7	THREADED SOCKET	840999 90	18	0165-33-047	999.00	1,178.82	1,099.00	1,296.82
33 8	TUBE	401699 90	18	0165-33-048	33,304.00	39,298.72	36,635.00	43,229.30
33 9	HOLLOW SCREW	731829 90	18	0165-33-050	3,010.00	3,551.80	3,311.00	3,906.98
34 0	PIPE CLIP	840999 90	18	0165-33-062	2,430.00	2,867.40	2,673.00	3,154.14
34 1	REDUCER INSERT	840999 90	18	0165-33-070	1,839.00	2,170.02	2,023.00	2,387.14
34 2	NOZZLE	840999 90	18	0165-33-073	3,633.00	4,286.94	3,997.00	4,716.46
34 3	TUBE	401699 90	18	0165-33-074	49,807.00	58,772.26	54,788.00	64,649.84
34 4	Cylinder	840999 90	18	0165-33-0576	114,244.00	134,807.92	125,669.00	148,289.42
34 5	REPAIR KIT	841490 20	18	0165-33-0852	89,980.00	106,176.40	98,978.00	116,794.04
34 6	Head	840999 90	18	0165-33-1416	54,124.00	63,866.32	59,537.00	70,253.66
34 7	TAPER-FACED RING	840999 90	18	0165-33-9896	11,767.00	13,885.06	12,686.00	14,969.48
34 8	PISTON RING	401699 90	18	0165-33-9905	14,189.00	16,743.02	15,295.00	18,048.10
34 9	RUBBER BEARINGS	401699 90	18	0165-36-002	24,715.00	29,163.70	27,187.00	32,080.66
35 0	HOSE CLIP	400931 00	18	0165-36-013	5,072.00	5,984.96	5,580.00	6,584.40
35 1	PLEATED HOSE	400931 00	18	0165-36-019	72,508.00	85,559.44	79,759.00	94,115.62
35 2	RUBBER BEARINGS	401699 90	18	0165-36-024	30,810.00	36,355.80	33,891.00	39,991.38
35 3	SUPPORT	840999 90	18	0165-36-026	100,823.00	118,971.14	110,906.00	130,869.08
35 4	HEXAGON HEAD SCREW	731829 90	18	0165-36-044	1,093.00	1,289.74	1,203.00	1,419.54
35 5	COOLING SYSTEM	840999 90	18	0165-36-046	3,892,318.00	4,592,935.2 4	4,281,550.0 0	5,052,229.0 0

Sign. of Tenderer(s)

For CWM/CPOH/ADI

35 6	CHARGE AIR COOLER	840999 90	18	0165-36-047	1,881,935.00	2,220,683.3 0	2,070,129.0 0	2,442,752.2 2
35 7	WATER COOLER	840999 90	18	0165-36-048	2,369,932.00	2,796,519.7 6	2,606,926.0 0	3,076,172.6 8
35 8	PROTECTIVE GRILLE	840999 90	18	0165-36-052	254,091.00	299,827.38	279,501.00	329,811.18
35 9	HEXAGON HEAD SCREW	731829 90	18	0165-36-059	5,652.00	6,669.36	6,218.00	7,337.24
36 0	TUBE	401699 90	18	0165-36-083	72,664.00	85,743.52	79,931.00	94,318.58
36 1	PLEATED HOSE	400931 00	18	0165-36-086	72,508.00	85,559.44	79,759.00	94,115.62
36 2	CHARGE AIR PIPE	840999 90	18	0165-36-087	160,260.00	189,106.80	176,286.00	208,017.48
36 3	CHARGE AIR PIPE	840999 90	18	0165-36-088	202,323.00	238,741.14	222,556.00	262,616.08
36 4	TUBE	401699 90	18	0165-36-089	72,664.00	85,743.52	79,931.00	94,318.58
36 5	HOSE CLIP	400931 00	18	0165-36-093	3,797.00	4,480.46	4,177.00	4,928.86
36 6	GASKET	401699 90	18	0165-37-001	2,299.00	2,712.82	2,529.00	2,984.22
36 7	O-RING	401699 90	18	0165-37-002	5,415.00	6,389.70	5,957.00	7,029.26
36 8	O-RING	401699 90	18	0165-37-003	3,684.00	4,347.12	4,053.00	4,782.54
36 9	GASKET	401699 90	18	0165-37-006	350.00	413.00	385.00	454.30
37 0	COOLANT INLET NOZZLES	840999 90	18	0165-37-007	51,969.00	61,323.42	57,166.00	67,455.88
37 1	SEALING RING	401699 90	18	0165-37-008	180.00	212.40	198.00	233.64
37 2	LOCKING SCREW	731829 90	18	0165-37-009	5,571.00	6,573.78	6,129.00	7,232.22
37 3	SEALING RING	401699 90	18	0165-38-010	723.00	853.14	796.00	939.28
37 4	LOCKING SCREW	731829 90	18	0165-38-036	2,130.00	2,513.40	2,343.00	2,764.74
37 5	SEALING RING	401699 90	18	0165-38-035	186.00	219.48	205.00	241.90
37 6	THERMOSTAT	840999 90	18	0165-38-011	13,759.00	16,235.62	15,135.00	17,859.30
37 7	GASKET	401699 90	18	0165-38-007	655.00	772.90	721.00	850.78
37 8	GASKET	401699 90	18	0165-38-009	644.00	759.92	709.00	836.62
37 9	RUBBER SLEEVE	401699 60	18	0165-38-019	18,365.00	21,670.70	20,202.00	23,838.36

Sign. of Tenderer(s)

For CWM/CPOH/ADI

380	THERMOSTAT	84099990	18	0165-38-034	20,051.00	23,660.18	22,057.00	26,027.26
381	SUCTION FAN	84145990	18	0165-39-003	308,710.00	364,277.80	339,581.00	400,705.58
382	FLANGE	84099990	18	0165-39-042	73,941.00	87,250.38	81,336.00	95,976.48
383	CYLINDER SCREW	73182990	18	0165-39-044	994.00	1,172.92	1,094.00	1,290.92
384	GASKET	40169990	18	0165-39-047	489.00	577.02	538.00	634.84
385	COVER	84099990	18	0165-39-046	52,250.00	61,655.00	57,475.00	67,820.50
386	COLLARED SLEEVE	84833000	18	0165-39-049	20,305.00	23,959.90	22,336.00	26,356.48
387	FAN SHAFT	84145990	18	0165-39-050	148,655.00	175,412.90	163,521.00	192,954.78
388	IDLER GEAR	84839000	18	0165-39-051	135,120.00	159,441.60	148,632.00	175,385.76
389	HEXAGON HEAD SCREW	73182990	18	0165-39-052	642.00	757.56	707.00	834.26
390	EXHAUST MANIFOLD	84099990	18	0165-41-001	122,873.00	144,990.14	135,161.00	159,489.98
391	GASKET	40169990	18	0165-41-002	2,635.00	3,109.30	2,899.00	3,420.82
392	HEXAGON HEAD SCREW	73182990	18	0165-41-003	2,137.00	2,521.66	2,351.00	2,774.18
393	SELF-LOCKING NUT	73182990	18	0165-41-006	4,888.00	5,767.84	5,377.00	6,344.86
394	WASHER	73182200	18	0165-41-007	372.00	438.96	410.00	483.80
395	HEXAGON HEAD SCREW	73182990	18	0165-41-008	2,588.00	3,053.84	2,847.00	3,359.46
396	EXHAUST PIPE	84099990	18	0165-41-009	141,591.00	167,077.38	155,751.00	183,786.18
397	EXHAUST PIPE MANIFOLD	84099990	18	0165-41-011	175,014.00	206,516.52	192,516.00	227,168.88
398	HEXAGON HEAD SCREW	73182990	18	0165-41-010	7,649.00	9,025.82	8,414.00	9,928.52
399	HEXAGON HEAD SCREW	73182990	18	0165-41-012	547.00	645.46	602.00	710.36
400	EXHAUST PIPE	84099990	18	0165-41-013	141,591.00	167,077.38	155,751.00	183,786.18
401	EXHAUST MANIFOLD	84099990	18	0165-41-014	122,873.00	144,990.14	135,161.00	159,489.98
402	CLAMPING WASHER	73182200	18	0165-41-016	62,640.00	73,915.20	68,904.00	81,306.72
403	STUD BOLT	73182990	18	0165-41-043	1,697.00	2,002.46	1,867.00	2,203.06
404	WASHER	73182200	18	0165-41-044	994.00	1,172.92	1,094.00	1,290.92

Sign. of Tenderer(s)

For CWM/CPOH/ADI

405	HEXAGON NUT	73182990	18	0165-41-045	1,228.00	1,449.04	1,351.00	1,594.18
406	COMPENSATOR	84099990	18	0165-41-049	585,218.00	690,557.24	643,740.00	759,613.20
407	HEXAGON NUT	73182990	18	0165-41-050	1,264.00	1,491.52	1,391.00	1,641.38
408	EXHAUST TURBOCHARGER	84099990	18	0165-43-001	664,491.00	784,099.38	730,941.00	862,510.38
409	CORE ASSEMBLY	84149020	18	0165-43-005	420,845.00	496,597.10	462,930.00	546,257.40
410	O-RING	40169990	18	0165-43-009	2,053.00	2,422.54	2,259.00	2,665.62
411	HEAT SHIELD	84099990	18	0165-43-013	20,542.00	24,239.56	22,597.00	26,664.46
412	BRACKET	84099990	18	0165-43-014	11,040.00	13,027.20	12,144.00	14,329.92
413	HEXAGON NUT	73182990	18	0165-43-015	547.00	645.46	602.00	710.36
414	WASHER	73182200	18	0165-43-016	546.00	644.28	601.00	709.18
415	STUD BOLT	73182990	18	0165-43-017	357.00	421.26	393.00	463.74
416	WASHER	73182200	18	0165-43-018	665.00	784.70	732.00	863.76
417	HOLDER	84099990	18	0165-43-019	5,177.00	6,108.86	5,695.00	6,720.10
418	WASHER	73182200	18	0165-43-020	1,366.00	1,611.88	1,503.00	1,773.54
419	STARTER MOTOR	85114000	18	0165-44-041	215,669.00	254,489.42	237,236.00	279,938.48
420	HEXAGON NUT	73182990	18	0165-44-042	240.00	283.20	264.00	311.52
421	WASHER	73182200	18	0165-44-043	219.00	258.42	241.00	284.38
422	STUD BOLT	73182990	18	0165-44-044	899.00	1,060.82	989.00	1,167.02
423	O-RING	40169990	18	0165-44-046	5,415.00	6,389.70	5,957.00	7,029.26
424	RELAY	84099990	18	0165-44-072	58,418.00	68,933.24	64,260.00	75,826.80
425	RELAY	84099990	18	0165-44-073	34,909.00	41,192.62	38,400.00	45,312.00
426	GENERATOR	85115000	18	0165-44-086	161,717.00	190,826.06	177,889.00	209,909.02
427	CYLINDER SCREW	73182990	18	0165-44-125	922.00	1,087.96	1,015.00	1,197.70
428	HEXAGON HEAD SCREW	73182990	18	0165-44-161	595.00	702.10	655.00	772.90
429	RETAINING PLATE	84099990	18	0165-44-164	59,129.00	69,772.22	65,042.00	76,749.56

Sign. of Tenderer(s)

For CWM/CPOH/ADI

430	CYLINDER SCREW	73182990	18	0165-44-177	771.00	909.78	849.00	1,001.82
431	STIFFENING PLATE	84099990	18	0165-44-163	34,435.00	40,633.30	37,879.00	44,697.22
432	WASHER	73182200	18	0165-44-162	4,178.00	4,930.04	4,596.00	5,423.28
433	HEXAGON NUT	73182990	18	0165-44-165	343.00	404.74	378.00	446.04
434	HEXAGON HEAD SCREW	73182990	18	0165-44-166	2,149.00	2,535.82	2,364.00	2,789.52
435	CYLINDER SCREW	73182990	18	0165-44-170	3,097.00	3,654.46	3,407.00	4,020.26
436	CYLINDER SCREW	73182990	18	0165-44-175	2,315.00	2,731.70	2,547.00	3,005.46
437	BRACKET	84099990	18	0165-44-176	112,797.00	133,100.46	124,077.00	146,410.86
438	CYLINDER SCREW	73182990	18	0165-44-178	4,916.00	5,800.88	5,408.00	6,381.44
439	CONNECTING LINE	85444299	18	0165-44-179	21,254.00	25,079.72	23,380.00	27,588.40
440	WASHER	73182200	18	0165-44-180	219.00	258.42	241.00	284.38
441	CYLINDER SCREW	73182990	18	0165-44-181	690.00	814.20	759.00	895.62
442	V-BELT PULLEY	84835090	18	0165-44-182	186,651.00	220,248.18	205,317.00	242,274.06
443	V-BELT PULLEY	84835090	18	0165-44-183	63,880.00	75,378.40	70,268.00	82,916.24
444	COMPOSITE BELT	40169990	18	0165-44-184	10,639.00	12,554.02	11,703.00	13,809.54
445	SPACER BUSHING	40169990	18	0165-44-169	1,711.00	2,018.98	1,883.00	2,221.94
446	STAND FOOT	40169960	18	0165-46-001	255,481.00	301,467.58	281,030.00	331,615.40
447	STAND FOOT	40169960	18	0165-46-004	184,529.00	217,744.22	202,982.00	239,518.76
448	BRACKET	84099990	18	0165-46-017	260,028.00	306,833.04	286,031.00	337,516.58
449	WASHER	73182200	18	0165-46-027	7,717.00	9,106.06	8,489.00	10,017.02
450	BUSHING	40169990	18	0165-46-036	7,337.00	8,657.66	8,071.00	9,523.78
451	RUBBER BUFFER	40169990	18	0165-46-037	20,623.00	24,335.14	22,686.00	26,769.48
452	SPEED SENSOR	84831099	18	0165-48-025	18,365.00	21,670.70	20,202.00	23,838.36
453	PLUG CONNECTOR	85114000	18	0165-48-027	20,070.00	23,682.60	22,077.00	26,050.86
454	PLUG CONNECTOR	85114000	18	0165-48-037	17,428.00	20,565.04	19,171.00	22,621.78

Sign. of Tenderer(s)

For CWM/CPOH/ADI

455	PLUG CONNECTOR	85114000	18	0165-48-090	31,118.00	36,719.24	34,230.00	40,391.40
456	PLUG CONNECTOR	85114000	18	0165-48-087	30,494.00	35,982.92	33,544.00	39,581.92
457	O-RING	40169990	18	0165-48-026	779.00	919.22	857.00	1,011.26
458	PLUG CONNECTOR	85114000	18	0165-48-051	3,705.00	4,371.90	4,076.00	4,809.68
459	RELAY	84099990	18	0165-48-089	90,863.00	107,218.34	99,950.00	117,941.00
460	PLUG CONNECTOR	85114000	18	0165-48-4277	12,232.00	14,433.76	13,456.00	15,878.08
461	CABLE HARNESS	85444299	18	0165-48-041-A	271,902.00	320,844.36	299,093.00	352,929.74
462	CONNECTING LINE	85444299	18	0165-48-041	392,867.00	463,583.06	432,154.00	509,941.72
463	CABLE HARNESS	85444299	18	0165-48-043	318,208.00	375,485.44	350,029.00	413,034.22
464	LEVEL SWITCH	84099990	18	0165-51-002	20,986.00	24,763.48	23,085.00	27,240.30
465	RUBBER SLEEVE	40169990	18	0165-51-006	1,667.00	1,967.06	1,834.00	2,164.12
466	SPACER SLEEVE	84099990	18	0165-51-005	1,224.00	1,444.32	1,347.00	1,589.46
467	SEALING GROMMET	40169990	18	0165-51-007	149.00	175.82	164.00	193.52
468	SOCKET CONTACT	84099990	18	0165-51-008	380.00	448.40	418.00	493.24
469	BUSH BEARINGS	84828000	18	0165-51-009	2,174.00	2,565.32	2,392.00	2,822.56
470	PRESSURE PICKUP	84099990	18	0165-51-023	32,176.00	37,967.68	35,394.00	41,764.92
471	THREADED BUSH	84099990	18	0165-51-024	9,143.00	10,788.74	10,058.00	11,868.44
472	TEMPERATURE SENSOR	84099990	18	0165-51-015	25,182.00	29,714.76	27,701.00	32,687.18
473	SEALING RING	40169990	18	0165-51-016	92.00	108.56	102.00	120.36
474	PRESSURE SENSOR	84099990	18	0165-51-105	39,665.00	46,804.70	43,632.00	51,485.76
475	HEXAGON HEAD SCREW	73182990	18	0165-51-106	345.00	407.10	380.00	448.40
476	TEMPERATURE SENSOR	84099990	18	0165-51-085	12,838.00	15,148.84	14,122.00	16,663.96
477	TEMPERATURE SENSOR	84099990	18	0165-51-026	24,486.00	28,893.48	26,935.00	31,783.30
478	PRESSURE SENSOR	84099990	18	0165-51-029	89,311.00	105,386.98	98,243.00	115,926.74
479	SEALING RING	40169990	18	0165-51-086	186.00	219.48	205.00	241.90

Sign. of Tenderer(s)

For CWM/CPOH/ADI

480	CYLINDER SCREW	73182990	18	0165-52-001	2,494.00	2,942.92	2,744.00	3,237.92
481	CYLINDER SCREW	73182990	18	0165-52-002	6,959.00	8,211.62	7,655.00	9,032.90
482	CONNECTION HOUSING	84099990	18	0165-52-003	740,950.00	874,321.00	815,045.00	961,753.10
483	O-RING	40169990	18	0165-52-027	1,425.00	1,681.50	1,568.00	1,850.24
484	SOLENOID	84818090	18	0165-56-021	142,690.00	168,374.20	156,959.00	185,211.62
485	Deutz Oil (210LTR)(DQC-III)	27101980	18	0165-90-6337	106,412.00	125,566.16	117,054.00	138,123.72
486	GENERATOR	85115000	18	0165-44-001	348,570.00	411,312.60	383,427.00	452,443.86
487	HEXAGON HEAD SCREW	73182990	18	0165-44-130	2,541.00	2,998.38	2,796.00	3,299.28
488	HEXAGON NUT	73182990	18	0165-44-132	685.00	808.30	754.00	889.72
489	BALL DISC	73182990	18	0165-44-133	1,047.00	1,235.46	1,152.00	1,359.36
490	TAPER SOCKET	84099990	18	0165-44-134	1,530.00	1,805.40	1,683.00	1,985.94
491	HEXAGON HEAD SCREW	73182990	18	0165-44-143	389.00	459.02	428.00	505.04
492	CLAMP	84099990	18	0165-44-144	40,766.00	48,103.88	44,843.00	52,914.74
493	BEARING BUSH	84828000	18	0165A-01-013	3,591.00	4,237.38	3,951.00	4,662.18
494	BEARING BUSH	84828000	18	0165A-01-014	2,939.00	3,468.02	3,233.00	3,814.94
495	COMPRESSION SPRING	84099990	18	0165A-01-026	4,576.00	5,399.68	5,034.00	5,940.12
496	RADIAL SHAFT SEALING RING	84842000	18	0165A-01-029	22,616.00	26,686.88	24,878.00	29,356.04
497	OIL SEPARATOR	84099990	18	0165A-01-051	80,285.00	94,736.30	88,314.00	104,210.52
498	HOSE CLIP	40093100	18	0165A-01-053	501.00	591.18	552.00	651.36
499	RUBBER SLEEVE	40169960	18	0165A-01-054	6,806.00	8,031.08	7,487.00	8,834.66
500	RADIAL SHAFT SEALING RING	84842000	18	0165A-01-093	22,734.00	26,826.12	25,008.00	29,509.44
501	SEALING RING	40169990	18	0165A-01-127	2,398.00	2,829.64	2,638.00	3,112.84
502	CYLINDER LINER	84099990	18	0165A-01-161	56,889.00	67,129.02	62,578.00	73,842.04
503	CRANKSHAFT BEARING (STD)	84833000	18	0165A-05-004	10,118.00	11,939.24	11,130.00	13,133.40

Sign. of Tenderer(s)

For CWM/CPOH/ADI

504	SHIM	84099990	18	0165A-05-005	5,201.00	6,137.18	5,722.00	6,751.96
505	CON ROD BEARING (STD)	84833000	18	0165A-05-006	12,476.00	14,721.68	13,724.00	16,194.32
506	PISTON	84099990	18	0165A-07-001	80,440.00	94,919.20	88,484.00	104,411.12
507	VALVE SHAFT SEAL	84842000	18	0165A-08-004	1,179.00	1,391.22	1,297.00	1,530.46
508	VALVE GUIDE	84818090	18	0165A-08-005	3,570.00	4,212.60	3,927.00	4,633.86
509	VALVE SEAT RING	84818090	18	0165A-08-009	7,650.00	9,027.00	8,415.00	9,929.70
510	VALVE SEAT RING	84818090	18	0165A-08-010	3,476.00	4,101.68	3,824.00	4,512.32
511	INLET VALVE	84818090	18	0165A-08-011	18,656.00	22,014.08	20,522.00	24,215.96
512	OUTLET VALVE	84818090	18	0165A-08-012	6,577.00	7,760.86	7,235.00	8,537.30
513	CYLINDER HEAD SEAL (1 NOTCH)	40169990	18	0165A-08-016	15,157.00	17,885.26	16,673.00	19,674.14
514	CYLINDER HEAD SEAL (2 NOTCH)	40169990	18	0165A-08-017	15,624.00	18,436.32	17,187.00	20,280.66
515	CYLINDER HEAD SEAL (3 NOTCH)	40169990	18	0165A-08-018	15,624.00	18,436.32	17,187.00	20,280.66
516	GASKET	40169990	18	0165A-08-028	2,494.00	2,942.92	2,744.00	3,237.92
517	ADJUSTMENT SCREW	73182990	18	0165A-11-006	10,537.00	12,433.66	11,591.00	13,677.38
518	VALVE TAPPET	84818090	18	0165A-11-010	16,902.00	19,944.36	18,593.00	21,939.74
519	EXCHANGE FILTER	84212300	18	0165A-15-001	8,233.00	9,714.94	9,057.00	10,687.26
520	RUBBER HOSE	40093100	18	0165A-16-073	8,461.00	9,983.98	9,308.00	10,983.44
521	PRESSURE VALVE	84818090	18	0165A-17-084	53,214.00	62,792.52	58,536.00	69,072.48
522	PUMPING ELEMENT	84138190	18	0165A-17-086	89,618.00	105,749.24	98,580.00	116,324.40
523	Gasket Kit	40169990	18	0165A-17-121	12,994.00	15,332.92	13,955.00	16,466.90
524	NOZZLE	84099990	18	0165A-19-002	16,902.00	19,944.36	18,593.00	21,939.74
525	FUEL EXCHANGE FILTER	84212300	18	0165A-20-010	4,709.00	5,556.62	5,180.00	6,112.40
526	INJECTION LINE	84099990	18	0165A-21-001	26,814.00	31,640.52	29,496.00	34,805.28

Sign. of Tenderer(s)

For CWM/CPOH/ADI

527	INJECTION LINE	84099990	18	0165A-21-002	26,114.00	30,814.52	28,726.00	33,896.68
528	INJECTION LINE	84099990	18	0165A-21-003	26,114.00	30,814.52	28,726.00	33,896.68
529	PLEATED HOSE	40093100	18	0165A-22-082	141,698.00	167,203.64	155,868.00	183,924.24
530	O-RING	40169990	18	0165A-33-004	8,625.00	10,177.50	9,488.00	11,195.84
531	SUCTION INTAKE PIPE	84099990	18	0165A-33-012	73,379.00	86,587.22	80,717.00	95,246.06
532	FILLER LOCK	84099990	18	0165A-36-003	12,706.00	14,993.08	13,977.00	16,492.86
533	RUBBER SLEEVE	40169990	18	0165A-36-014	30,633.00	36,146.94	33,697.00	39,762.46
534	HOSE CLIP	40093100	18	0165A-36-081	4,264.00	5,031.52	4,691.00	5,535.38
535	RUBBER SLEEVE	40169960	18	0165A-36-082	28,473.00	33,598.14	31,321.00	36,958.78
536	RUBBER SLEEVE	40169960	18	0165A-36-084	18,365.00	21,670.70	20,202.00	23,838.36
537	HOSE CLIP	40093100	18	0165A-36-085	5,072.00	5,984.96	5,580.00	6,584.40
538	CONNECTION SLEEVE	40169960	18	0165A-36-092	49,479.00	58,385.22	54,427.00	64,223.86
539	RUBBER SLEEVE	40169960	18	0165A-36-094	28,473.00	33,598.14	31,321.00	36,958.78
540	COOLANT PUMP	84138190	18	0165A-37-025	271,902.00	320,844.36	299,093.00	352,929.74
541	SERVICE PARTS	84099990	18	0165A-38-015	4,323.00	5,101.14	4,756.00	5,612.08
542	RADIAL SHAFT SEALING RING	84842000	18	0165A-39-043	17,836.00	21,046.48	19,620.00	23,151.60
543	GASKET	40169990	18	0165A-41-041	23,496.00	27,725.28	25,846.00	30,498.28
544	REPAIR KIT	84149020	18	0165A-43-008	71,812.00	84,738.16	78,994.00	93,212.92
545	GASKET	40169990	18	0165A-43-010	14,441.00	17,040.38	15,886.00	18,745.48
546	GASKET SET	40169990	18	0165A-90-001	163,443.00	192,862.74	179,788.00	212,149.84
547	Deutz Oil (20LTR)(DQC-III)	27101980	18	0165A-90-6336	10,644.00	12,559.92	11,709.00	13,816.62
548	COOLING SYSTEM PROTECTION (20 LTR.)	34039900	18	0165A-90-7991	27,047.00	31,915.46	29,752.00	35,107.36
549	NARROW V-BELT SET	40169990	18	0165A-44-129	12,009.00	14,170.62	13,210.00	15,587.80
550	EYEBOLT	73182990	18	0165A-44-131	16,334.00	19,274.12	17,968.00	21,202.24

Sign. of Tenderer(s)

For CWM/CPOH/ADI

(C) Conditional spares Price List of 1 no. Deutz Engines Model No. BF6M1015CP (18% GST) for DUOMATIC								
Sl. No.	NEW Description	HSN Code	GST %	FIGURE NO.	2026-27 Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	NOZZLE	84099990	18	0165-01-016	12,828.00	15,137.04	14,111.00	16,650.98
2	PRESSURE RELIEF VALVE	84818090	18	0165-01-017	2,752.00	3,247.36	3,028.00	3,573.04
3	GASKET	40169990	18	0165-01-030	3,476.00	4,101.68	3,824.00	4,512.32
4	OIL DIPSTICK	84099990	18	0165-01-046	13,874.00	16,371.32	15,262.00	18,009.16
5	O-RING	40169990	18	0165-01-162	7,484.00	8,831.12	8,233.00	9,714.94
6	O-RING	40169990	18	0165-01-052	1,046.00	1,234.28	1,151.00	1,358.18
7	VENTING PIPE	84099990	18	0165-01-055	15,390.00	18,160.20	16,929.00	19,976.22
8	GASKET	40169990	18	0165-01-101	22,032.00	25,997.76	24,236.00	28,598.48
9	PACKING COMPOUND	32141000	18	0165-01-130	8,301.00	9,795.18	9,132.00	10,775.76
10	GASKET	40169990	18	0165-02-001	15,624.00	18,436.32	17,187.00	20,280.66
11	LOCKING SCREW	73182990	18	0165-02-003	2,728.00	3,219.04	3,001.00	3,541.18
12	SEALING RING	40169990	18	0165-02-004	561.00	661.98	618.00	729.24
13	CRANKSHAFT BEARING (1st U/S)	84833000	18	0165-05-004/1	54,326.00	64,104.68	59,759.00	70,515.62
14	CRANKSHAFT BEARING (2nd U/S)	84833000	18	0165-05-004/2	76,477.00	90,242.86	84,125.00	99,267.50
15	CRANKSHAFT BEARING (3rd U/S)	84833000	18	0165-05-004/3	76,477.00	90,242.86	84,125.00	99,267.50
16	CRANKSHAFT BEARING (4th U/S)	84833000	18	0165-05-004/4	76,477.00	90,242.86	84,125.00	99,267.50
17	CON ROD BEARING (1st U/S)	84833000	18	0165-05-006/1	29,613.00	34,943.34	32,575.00	38,438.50
18	CON ROD BEARING (2nd U/S)	84833000	18	0165-05-006/2	49,664.00	58,603.52	54,631.00	64,464.58
19	CON ROD BEARING (3rd U/S)	84833000	18	0165-05-006/3	59,223.00	69,883.14	65,146.00	76,872.28

Sign. of Tenderer(s)

For CWM/CPOH/ADI

20	GEAR RING	84839000	18	0165-05-047	155,319.00	183,276.42	170,851.00	201,604.18
21	GROOVED BALL BEARING	84828000	18	0165-05-056	6,178.00	7,290.04	6,796.00	8,019.28
22	PISTON ROD	84099990	18	0165-06-001	96,527.00	113,901.86	106,180.00	125,292.40
23	CON ROD SCREW	84833000	18	0165-06-002	2,299.00	2,712.82	2,529.00	2,984.22
24	BIG END BUSH	84833000	18	0165-06-003	3,380.00	3,988.40	3,718.00	4,387.24
25	PISTON RING SET	84099990	18	0165-07-007	48,497.00	57,226.46	53,347.00	62,949.46
26	VALVE COTTER	84818090	18	0165-08-001	339.00	400.02	373.00	440.14
27	VALVE SPRING	84818090	18	0165-08-003	1,884.00	2,223.12	2,073.00	2,446.14
28	CYLINDER HEAD	84099990	18	0165-08-013	303,103.00	357,661.54	333,414.00	393,428.52
29	LOCKING AGENT	84099990	18	0165-08-014	72,743.00	85,836.74	80,018.00	94,421.24
30	CYLINDER SCREW	73182990	18	0165-08-019	456.00	538.08	502.00	592.36
31	CYLINDER HEAD COVER	84099990	18	0165-08-022	29,613.00	34,943.34	32,575.00	38,438.50
32	GASKET	40169990	18	0165-08-023	2,939.00	3,468.02	3,233.00	3,814.94
33	FILLER LOCK	84099990	18	0165-08-024	3,989.00	4,707.02	4,388.00	5,177.84
34	PROFILE SEAL	40169990	18	0165-08-026	1,935.00	2,283.30	2,129.00	2,512.22
35	ONE-PIECE CAMSHAFT	84831099	18	0165-10-001	240,149.00	283,375.82	264,164.00	311,713.52
36	IDLER GEAR	84839000	18	0165-10-002	76,710.00	90,517.80	84,381.00	99,569.58
37	TOOTHED WHEEL	84839000	18	0165-10-003	211,705.00	249,811.90	232,876.00	274,793.68
38	CYLINDER PIN	84099990	18	0165-10-004	150.00	177.00	165.00	194.70
39	HEXAGON NUT	73182990	18	0165-11-005	134.00	158.12	148.00	174.64
40	PUSH ROD	84099990	18	0165-11-009	5,969.00	7,043.42	6,566.00	7,747.88
41	OIL PRESSURE PUMP	84138190	18	0165-14-004	166,474.00	196,439.32	183,122.00	216,083.96
42	GASKET	40169990	18	0165-15-041	4,850.00	5,723.00	5,335.00	6,295.30
43	LUBRICATING OIL COOLER	84099990	18	0165-15-049	184,893.00	218,173.74	203,383.00	239,991.94
44	GASKET	40169990	18	0165-16-043	195.00	230.10	215.00	253.70

Sign. of Tenderer(s)

For CWM/CPOH/ADI

45	GASKET	401699 90	18	0165-16-054	552.00	651.36	608.00	717.44
46	SPRING BAND CLIP	840999 90	18	0165-16-074	781.00	921.58	860.00	1,014.80
47	INJECTOR PUMP	841381 90	18	0165-17-001	2,781,533.00	3,282,208.9 4	3,059,687.0 0	3,610,430.6 6
48	SUPPLY PUMP	841381 90	18	0165-17-002	75,543.00	89,140.74	83,098.00	98,055.64
49	SUPPLY PUMP	841381 90	18	0165-17-012	51,032.00	60,217.76	56,136.00	66,240.48
50	SEALING RING	401699 90	18	0165-19-003	792.00	934.56	872.00	1,028.96
51	INJECTOR VALVE	848180 90	18	0165-19-004	61,554.00	72,633.72	67,710.00	79,897.80
52	UNION SCREW	731829 90	18	0165-19-006	4,595.00	5,422.10	5,055.00	5,964.90
53	FILTER CARTRIDGE	842123 00	18	0165-20-017	24,826.00	29,294.68	27,309.00	32,224.62
54	INJECTION LINE	840999 90	18	0165-21-004	24,715.00	29,163.70	27,187.00	32,080.66
55	INJECTION LINE	840999 90	18	0165-21-005	24,715.00	29,163.70	27,187.00	32,080.66
56	INJECTION LINE	840999 90	18	0165-21-006	24,715.00	29,163.70	27,187.00	32,080.66
57	HOSE CLIP	400931 00	18	0165-22-054	5,422.00	6,397.96	5,965.00	7,038.70
58	RUBBER SLEEVE	401699 60	18	0165-22-055	19,984.00	23,581.12	21,983.00	25,939.94
59	STUD BOLT	731829 90	18	0165-22-059	531.00	626.58	585.00	690.30
60	WASHER	731822 00	18	0165-22-060	211.00	248.98	233.00	274.94
61	HEXAGON NUT	731829 90	18	0165-22-061	276.00	325.68	304.00	358.72
62	HOSE CLIP	400931 00	18	0165-22-081	1,260.00	1,486.80	1,386.00	1,635.48
63	O-RING	401699 90	18	0165-22-084	7,696.00	9,081.28	8,466.00	9,989.88
64	PLUG PIECE	851140 00	18	0165-22-085	32,701.00	38,587.18	35,972.00	42,446.96
65	INTAKE MANIFOLD	848180 90	18	0165-22-090	98,860.00	116,654.80	108,746.00	128,320.28
66	HOSE CLIP	400931 00	18	0165-22-091	771.00	909.78	849.00	1,001.82
67	RUBBER SLEEVE	401699 60	18	0165-22-092	10,448.00	12,328.64	11,493.00	13,561.74
68	FILTER CARTRIDGE	842123 00	18	0165-22-163	26,931.00	31,778.58	29,625.00	34,957.50
69	SAFETY ELEMENT	842123 00	18	0165-22-164	14,602.00	17,230.36	16,063.00	18,954.34

Sign. of Tenderer(s)

For CWM/CPOH/ADI

70	GASKET	401699 90	18	0165-22-046	1,621.00	1,912.78	1,784.00	2,105.12
71	CONTROL UNIT	840999 90	18	0165-27-016	439,499.00	518,608.82	483,449.00	570,469.82
72	TENSION SPRING	840999 90	18	0165-29-007	1,884.00	2,223.12	2,073.00	2,446.14
73	AIR COMPRESSOR	840999 90	18	0165-33-001	713,452.00	841,873.36	784,798.00	926,061.64
74	TOOTHED WHEEL	848390 00	18	0165-33-003	80,208.00	94,645.44	88,229.00	104,110.22
75	RUBBER BEARINGS	401699 90	18	0165-36-002	24,715.00	29,163.70	27,187.00	32,080.66
76	PLEATED HOSE	400931 00	18	0165-36-019	72,508.00	85,559.44	79,759.00	94,115.62
77	GASKET	401699 90	18	0165-37-001	2,299.00	2,712.82	2,529.00	2,984.22
78	O-RING	401699 90	18	0165-37-002	5,415.00	6,389.70	5,957.00	7,029.26
79	O-RING	401699 90	18	0165-37-003	3,684.00	4,347.12	4,053.00	4,782.54
80	GASKET	401699 90	18	0165-37-006	350.00	413.00	385.00	454.30
81	SEALING RING	401699 90	18	0165-38-010	723.00	853.14	796.00	939.28
82	THERMOSTAT	840999 90	18	0165-38-011	13,759.00	16,235.62	15,135.00	17,859.30
83	GASKET	401699 90	18	0165-38-009	644.00	759.92	709.00	836.62
84	RUBBER SLEEVE	401699 60	18	0165-38-019	18,365.00	21,670.70	20,202.00	23,838.36
85	THERMOSTAT	840999 90	18	0165-38-034	20,051.00	23,660.18	22,057.00	26,027.26
86	SUCTION FAN	841459 90	18	0165-39-003	221,497.00	261,366.46	243,647.00	287,503.46
87	EXHAUST MANIFOLD	840999 90	18	0165-41-001	122,873.00	144,990.14	135,161.00	159,489.98
88	GASKET	401699 90	18	0165-41-002	2,635.00	3,109.30	2,899.00	3,420.82
89	HEXAGON HEAD SCREW	731829 90	18	0165-41-003	2,137.00	2,521.66	2,351.00	2,774.18
90	HEXAGON NUT	731829 90	18	0165-41-006	1,750.00	2,065.00	1,925.00	2,271.50
91	WASHER	731822 00	18	0165-41-007	372.00	438.96	410.00	483.80
92	HEXAGON HEAD SCREW	731829 90	18	0165-41-008	2,588.00	3,053.84	2,847.00	3,359.46
93	EXHAUST MANIFOLD	840999 90	18	0165-41-014	122,873.00	144,990.14	135,161.00	159,489.98
94	COMPENSATO R	840999 90	18	0165-41-049	585,218.00	690,557.24	643,740.00	759,613.20

Sign. of Tenderer(s)

For CWM/CPOH/ADI

95	EXHAUST TURBOCHARGER	84099990	18	0165-43-001	664,491.00	784,099.38	730,941.00	862,510.38
96	HEXAGON HEAD SCREW	73182990	18	0165-43-002	1,366.00	1,611.88	1,503.00	1,773.54
97	CORE ASSEMBLY	84149020	18	0165-43-005	420,845.00	496,597.10	462,930.00	546,257.40
98	STUD BOLT	73182990	18	0165-43-043	1,697.00	2,002.46	1,867.00	2,203.06
99	HEXAGON NUT	73182990	18	0165-43-045	1,228.00	1,449.04	1,351.00	1,594.18
100	GENERATOR	85115000	18	0165-44-001	348,570.00	411,312.60	383,427.00	452,443.86
101	STARTER MOTOR	85114000	18	0165-44-041	215,669.00	254,489.42	237,236.00	279,938.48
102	STUD BOLT	73182990	18	0165-44-044	899.00	1,060.82	989.00	1,167.02
103	STAND FOOT	40169960	18	0165-46-001	144,789.00	170,851.02	159,268.00	187,936.24
104	STAND FOOT	40169960	18	0165-46-004	77,874.00	91,891.32	85,662.00	101,081.16
105	SPEED SENSOR	84831099	18	0165-48-025	18,365.00	21,670.70	20,202.00	23,838.36
106	CONNECTING LINE	85444299	18	0165-48-041	392,867.00	463,583.06	432,154.00	509,941.72
107	CABLE HARNESS	85444299	18	0165-48-043	230,128.00	271,551.04	253,141.00	298,706.38
108	LEVEL SWITCH	84099990	18	0165-51-002	20,986.00	24,763.48	23,085.00	27,240.30
109	PRESSURE PICKUP	84099990	18	0165-51-023	32,176.00	37,967.68	35,394.00	41,764.92
110	TEMPERATURE SENSOR	84099990	18	0165-51-015	25,182.00	29,714.76	27,701.00	32,687.18
111	TEMPERATURE SENSOR	84099990	18	0165-51-025	12,838.00	15,148.84	14,122.00	16,663.96
112	TEMPERATURE SENSOR	84099990	18	0165-51-026	24,486.00	28,893.48	26,935.00	31,783.30
113	CYLINDER SCREW	73182990	18	0165-52-001	2,494.00	2,942.92	2,744.00	3,237.92
114	CYLINDER SCREW	73182990	18	0165-52-002	1,390.00	1,640.20	1,529.00	1,804.22
115	LOCKING PARTS	40169990	18	0165-52-005	5,874.00	6,931.32	6,462.00	7,625.16
116	SHAFT SEALING RING	84842000	18	0165-52-5070	26,814.00	31,640.52	29,496.00	34,805.28
117	CYLINDRICAL ROLLER BEARING	84828000	18	0165-52-6916	143,623.00	169,475.14	157,986.00	186,423.48
118	SHAFT SEALING RING	84842000	18	0165-52-6928	11,659.00	13,757.62	12,825.00	15,133.50

Sign. of Tenderer(s)

For CWM/CPOH/ADI

119	SOLENOID	84818090	18	0165-56-021	142,690.00	168,374.20	156,959.00	185,211.62
120	BALL JOINT	84099990	18	0165-56-023	3,754.00	4,429.72	4,130.00	4,873.40
121	PRESSURE SENSOR	84099990	18	0165-51-032	39,665.00	46,804.70	43,632.00	51,485.76
122	PRESSURE SENSOR	84099990	18	0165-51-029	89,311.00	105,386.98	98,243.00	115,926.74
123	DEUTZ OIL(210Ltr)(DQC-III)	27101980	18	0165-90-6337	106,412.00	125,566.16	117,054.00	138,123.72
124	COOLING SYSTEM PROTECTION (208 LTR.)	34039900	18	0165-90-7992	237,818.00	280,625.24	261,600.00	308,688.00
125	HEXAGON HEAD SCREW	73182990	18	0165-01-018	5,293.00	6,245.74	5,823.00	6,871.14
126	O-RING	40169990	18	0165-01-047	749.00	883.82	824.00	972.32
127	RADIAL SHAFT SEALING RING	84842000	18	0165-01-038	22,616.00	26,686.88	24,878.00	29,356.04
128	THRUST RING	84099990	18	0165-01-131	12,978.00	15,314.04	14,276.00	16,845.68
129	CRANKSHAFT	84831099	18	0165-05-001	1,764,389.00	2,081,979.02	1,940,828.00	2,290,177.04
130	SEALING RING	40169990	18	0165-06-053	148.00	174.64	163.00	192.34
131	IDLER GEAR	84839000	18	0165-09-009	163,081.00	192,435.58	179,390.00	211,680.20
132	GASKET	40169990	18	0165-16-001	924.00	1,090.32	1,017.00	1,200.06
133	GASKET	40169990	18	0165-16-060	750.00	885.00	825.00	973.50
134	O-RING	40169990	18	0165-16-085	1,433.00	1,690.94	1,577.00	1,860.86
135	GASKET	40169990	18	0165-16-138	750.00	885.00	825.00	973.50
136	SEALING RING	40169990	18	0165-17-004	92.00	108.56	102.00	120.36
137	O-RING	40169990	18	0165-17-008	2,302.00	2,716.36	2,533.00	2,988.94
138	SEALING RING	40169990	18	0165-17-011	2,398.00	2,829.64	2,638.00	3,112.84
139	SEALING RING	40169990	18	0165-17-018	148.00	174.64	163.00	192.34
140	OIL RETURN LINE	84099990	18	0165-17-020	46,052.00	54,341.36	50,658.00	59,776.44
141	HOLLOW SCREW	73182990	18	0165-17-021	2,601.00	3,069.18	2,862.00	3,377.16

Sign. of Tenderer(s)

For CWM/CPOH/ADI

14 2	O-RING	401699 90	18	0165-17-022	1,433.00	1,690.94	1,577.00	1,860.86
14 3	LOCKING SCREW	731829 90	18	0165-17-024	2,130.00	2,513.40	2,343.00	2,764.74
14 4	SEALING RING	401699 90	18	0165-17-025	148.00	174.64	163.00	192.34
14 5	SEALING RING	401699 90	18	0165-17-042	2,398.00	2,829.64	2,638.00	3,112.84
14 6	SEALING PLATE	401699 90	18	0165-17-043	516.00	608.88	568.00	670.24
14 7	SEALING RING	401699 90	18	0165-17-058	4,671.00	5,511.78	5,139.00	6,064.02
14 8	WASHER	731822 00	18	0165-17-092	624.00	736.32	687.00	810.66
14 9	COMPRESSION SPRING	840999 90	18	0165-17-093	5,511.00	6,502.98	6,063.00	7,154.34
15 0	SPHERICAL ROLLER BEARING	848280 00	18	0165-17-099	110,157.00	129,985.26	121,173.00	142,984.14
15 1	CYLINDRICAL ROLLER BEARING	848280 00	18	0165-17-110	26,764.00	31,581.52	29,441.00	34,740.38
15 2	SEALING RING	401699 90	18	0165-17-112	6,910.00	8,153.80	7,601.00	8,969.18
15 3	O-RING	401699 90	18	0165-19-013	3,426.00	4,042.68	3,769.00	4,447.42
15 4	Hollow Screw	731829 90	18	0165-20-001	2,541.00	2,998.38	2,796.00	3,299.28
15 5	FILTER HEAD	842123 00	18	0165-20-008	45,115.00	53,235.70	49,627.00	58,559.86
15 6	FUEL PRE- FILTER	842123 00	18	0165-20-016A	146,876.00	173,313.68	161,564.00	190,645.52
15 7	FILTER HEAD	842123 00	18	0165-20-3149	107,362.00	126,687.16	118,099.00	139,356.82
15 8	SENSOR CABLE	840999 90	18	0165-20- 04504703	37,581.00	44,345.58	41,340.00	48,781.20
15 9	PIPE CLIP	840999 90	18	0165-21-022	2,430.00	2,867.40	2,673.00	3,154.14
16 0	PIPE CLIP	840999 90	18	0165-21-024	3,429.00	4,046.22	3,772.00	4,450.96
16 1	PIPE CLIP	840999 90	18	0165-21-026	3,454.00	4,075.72	3,800.00	4,484.00
16 2	SEALING RING	401699 90	18	0165-21-140	92.00	108.56	102.00	120.36
16 3	GASKET	401699 90	18	0165-22-001	1,621.00	1,912.78	1,784.00	2,105.12
16 4	GASKET	401699 90	18	0165-22-010	1,513.00	1,785.34	1,665.00	1,964.70
16 5	HOSE CLIP	400931 00	18	0165-22-135	771.00	909.78	849.00	1,001.82

Sign. of Tenderer(s)

For CWM/CPOH/ADI

166	GASKET	40169990	18	0165-22-149	1,091.00	1,287.38	1,201.00	1,417.18
167	GASKET	40169990	18	0165-22-323	1,621.00	1,912.78	1,784.00	2,105.12
168	SPECIAL GASKET	40169990	18	0165-33-000	7,280.00	8,590.40	7,819.00	9,226.42
169	HEXAGON NUT	73182990	18	0165-33-002	343.00	404.74	378.00	446.04
170	ANGLED NOZZLE	84099990	18	0165-33-009	4,328.00	5,107.04	4,761.00	5,617.98
171	HOSE CLIP	40093100	18	0165-33-010	501.00	591.18	552.00	651.36
172	CONNECTION SUPPORTS	84099990	18	0165-33-011	16,334.00	19,274.12	17,968.00	21,202.24
173	VACUUM HOSE	40093100	18	0165-33-016	20,539.00	24,236.02	22,593.00	26,659.74
174	RUBBER SLEEVE	40169960	18	0165-33-016A	6,806.00	8,031.08	7,487.00	8,834.66
175	Gasket Air Compressor	40169990	18	0165-33-028	12,337.00	14,557.66	13,571.00	16,013.78
176	LAMELLA	84818090	18	0165-33-029	27,372.00	32,298.96	30,110.00	35,529.80
177	LAMELLAR VALVE	84818090	18	0165-33-030	116,026.00	136,910.68	125,076.00	147,589.68
178	PIPE	84099990	18	0165-33-043	38,033.00	44,878.94	41,837.00	49,367.66
179	SEALING RING	40169990	18	0165-33-046	235.00	277.30	259.00	305.62
180	CUTTING RING	40169990	18	0165-33-056	533.00	628.94	587.00	692.66
181	UNION NUT	73182990	18	0165-33-057	762.00	899.16	839.00	990.02
182	SEALING RING	40169990	18	0165-33-058	111.00	130.98	119.00	140.42
183	NOZZLE	84099990	18	0165-33-059	3,613.00	4,263.34	3,975.00	4,690.50
184	Liner	84099990	18	0165-33-6548	91,071.00	107,463.78	100,179.00	118,211.22
185	LEAF SPRING	84099990	18	0165-33-8474	2,782.00	3,282.76	3,061.00	3,611.98
186	GASKET	40169990	18	0165-33-8475	9,072.00	10,704.96	9,781.00	11,541.58
187	PISTON	84099990	18	0165-33-9904	73,586.00	86,831.48	79,325.00	93,603.50
188	PISTON RING	40169990	18	0165-33-9905	14,189.00	16,743.02	15,295.00	18,048.10
189	TAPER-FACED RING	84099990	18	0165-33-9896	11,767.00	13,885.06	12,686.00	14,969.48
190	GASKET	40169990	18	0165-33-9590	4,358.00	5,142.44	4,697.00	5,542.46

Sign. of Tenderer(s)

For CWM/CPOH/ADI

19 1	PLEATED HOSE	400931 00	18	0165-36-042	72,508.00	85,559.44	79,759.00	94,115.62
19 2	COOLING SYSTEM	840999 90	18	0165-36-046	4,792,146.00	5,654,732.2 8	5,271,361.0 0	6,220,205.9 8
19 3	PLEATED HOSE	400931 00	18	0165-36-086	72,508.00	85,559.44	79,759.00	94,115.62
19 4	CHARGE AIR PIPE	840999 90	18	0165-36-087	160,260.00	189,106.80	176,286.00	208,017.48
19 5	SEALING RING	401699 90	18	0165-38-030	723.00	853.14	796.00	939.28
19 6	EXHAUST PIPE	840999 90	18	0165-41-009	141,591.00	167,077.38	155,751.00	183,786.18
19 7	EXHAUST PIPE	840999 90	18	0165-41-013	141,591.00	167,077.38	155,751.00	183,786.18
19 8	CLAMPING WASHER	731822 00	18	0165-41-016	62,640.00	73,915.20	68,904.00	81,306.72
19 9	GASKET	401699 90	18	0165-41-053	5,415.00	6,389.70	5,957.00	7,029.26
20 0	O-RING	401699 90	18	0165-43-009	2,053.00	2,422.54	2,259.00	2,665.62
20 1	HEXAGON NUT	731829 90	18	0165-44-016	685.00	808.30	754.00	889.72
20 2	EYEBOLT	731829 90	18	0165-44-018	16,334.00	19,274.12	17,968.00	21,202.24
20 3	BALL DISC	731829 90	18	0165-44-033	1,047.00	1,235.46	1,152.00	1,359.36
20 4	TAPER SOCKET	840999 90	18	0165-44-034	1,530.00	1,805.40	1,683.00	1,985.94
20 5	HEXAGON NUT	731829 90	18	0165-41-052	1,264.00	1,491.52	1,391.00	1,641.38
20 6	VOLTAGE REGULATOR	840999 90	18	0165-44-093	52,900.00	62,422.00	58,190.00	68,664.20
20 7	HEXAGON HEAD SCREW	731829 90	18	0165-44-130	2,541.00	2,998.38	2,796.00	3,299.28
20 8	HEXAGON NUT	731829 90	18	0165-44-132	685.00	808.30	754.00	889.72
20 9	BALL DISC	731829 90	18	0165-44-133	1,047.00	1,235.46	1,152.00	1,359.36
21 0	TAPER SOCKET	840999 90	18	0165-44-134	1,530.00	1,805.40	1,683.00	1,985.94
21 1	HEXAGON HEAD SCREW	731829 90	18	0165-44-143	389.00	459.02	428.00	505.04
21 2	GENERATOR	851150 00	18	0165-44-977	57,818.00	68,225.24	63,600.00	75,048.00
21 3	RUBBER SLEEVE	401699 90	18	0165-51-006	1,667.00	1,967.06	1,834.00	2,164.12
21 4	SEALING RING	401699 90	18	0165-51-016	92.00	108.56	102.00	120.36
21 5	PIPE CLIP	840999 90	18	0165-21-021	3,454.00	4,075.72	3,800.00	4,484.00

Sign. of Tenderer(s)

For CWM/CPOH/ADI

21 6	IDLER GEAR	848390 00	18	0165-09-009A	111,135.00	131,139.30	122,249.00	144,253.82
21 7	CABLE HARNESS	854442 99	18	0165-48-041A	271,902.00	320,844.36	299,093.00	352,929.74
21 8	ADAPTER	840999 90	18	0165-33-013	26,764.00	31,581.52	29,441.00	34,740.38
21 9	O-RING	401699 90	18	0165-33-014	1,822.00	2,149.96	2,005.00	2,365.90
22 0	HOSE CLIP	400931 00	18	0165-36-093	3,797.00	4,480.46	4,177.00	4,928.86
22 1	PLUG HOUSING	840999 90	18	0165-48-051	1,758.00	2,074.44	1,934.00	2,282.12
22 2	FLAT PLUG	840999 90	18	0165-48-052	345.00	407.10	380.00	448.40
22 3	FLAT PLUG	840999 90	18	0165-48-053	345.00	407.10	380.00	448.40
22 4	HOSE CONNECTION	400931 00	18	0165-38-054	1,619.00	1,910.42	1,781.00	2,101.58
22 5	MOUNT BUFFER	401699 60	18	0165-46-037	23,630.00	27,883.40	25,993.00	30,671.74
22 6	TUBE	401699 90	18	0165-46-036	8,123.00	9,585.14	8,936.00	10,544.48
22 7	FUEL LINE	840999 90	18	0165-21-042	26,598.00	31,385.64	29,258.00	34,524.44
22 8	SUPPORT	840999 90	18	0165-36-026	100,823.00	118,971.14	110,906.00	130,869.08
22 9	BRACKET	840999 90	18	0165-46-017	254,091.00	299,827.38	279,501.00	329,811.18
23 0	O-RING	401699 90	18	0165-33-023	2,092.00	2,468.56	2,302.00	2,716.36
23 1	SHIM	840999 90	18	0165-09-3411	16,267.00	19,195.06	17,894.00	21,114.92
23 2	NOZZLE	840999 90	18	0165-33-027	11,874.00	14,011.32	13,062.00	15,413.16
23 3	TUBE	401699 90	18	0165-33-043-B	20,422.00	24,097.96	22,465.00	26,508.70
23 4	RUBBER BEARINGS	401699 90	18	0165-36-024	30,810.00	36,355.80	33,891.00	39,991.38
23 5	SPACER BUSHING	401699 90	18	0165-44-140	1,711.00	2,018.98	1,883.00	2,221.94
23 6	CYLINDER SCREW	731829 90	18	0165-44-141	2,826.00	3,334.68	3,109.00	3,668.62
23 7	CYLINDER SCREW	731829 90	18	0165-44-139	2,709.00	3,196.62	2,980.00	3,516.40
23 8	RELAY	840999 90	18	0165-44-0602	34,909.00	41,192.62	38,400.00	45,312.00
23 9	MOUNTING COMPOUND	340399 00	18	0165-37-013	14,486.00	17,093.48	15,935.00	18,803.30
24 0	BEARING BUSH	848280 00	18	0165-01-013	3,591.00	4,237.38	3,951.00	4,662.18

Sign. of Tenderer(s)

For CWM/CPOH/ADI

24 1	BEARING BUSH	848280 00	18	0165-01-014	2,939.00	3,468.02	3,233.00	3,814.94
24 2	RADIAL SHAFT SEALING RING	848420 00	18	0165-01-029	22,616.00	26,686.88	24,878.00	29,356.04
24 3	CYLINDER LINER	840999 90	18	0165-01-161	56,889.00	67,129.02	62,578.00	73,842.04
24 4	OIL SEPARATOR	842123 00	18	0165-01-051	57,822.00	68,229.96	63,605.00	75,053.90
24 5	HOSE CLIP	400931 00	18	0165-01-053	501.00	591.18	552.00	651.36
24 6	RUBBER SLEEVE	401699 60	18	0165-01-054	6,806.00	8,031.08	7,487.00	8,834.66
24 7	RADIAL SHAFT SEALING RING	848420 00	18	0165-01-093	22,734.00	26,826.12	25,008.00	29,509.44
24 8	SEALING RING	401699 90	18	0165-01-127	2,398.00	2,829.64	2,638.00	3,112.84
24 9	CRANKSHAFT BEARING (STD)	848330 00	18	0165-05-004	10,118.00	11,939.24	11,130.00	13,133.40
25 0	SHIM	840999 90	18	0165-05-005	5,201.00	6,137.18	5,722.00	6,751.96
25 1	CON ROD BEARING (STD)	848330 00	18	0165-05-006	12,476.00	14,721.68	13,724.00	16,194.32
25 2	PISTON	840999 90	18	0165-07-001	80,440.00	94,919.20	88,484.00	104,411.12
25 3	VALVE SHAFT SEAL	848420 00	18	0165-08-004	1,179.00	1,391.22	1,297.00	1,530.46
25 4	VALVE GUIDE	848180 90	18	0165-08-005	3,570.00	4,212.60	3,927.00	4,633.86
25 5	VALVE SEAT RING	848180 90	18	0165-08-009	7,650.00	9,027.00	8,415.00	9,929.70
25 6	VALVE SEAT RING	848180 90	18	0165-08-010	3,476.00	4,101.68	3,824.00	4,512.32
25 7	INLET VALVE	848180 90	18	0165-08-011	18,656.00	22,014.08	20,522.00	24,215.96
25 8	OUTLET VALVE	848180 90	18	0165-08-012	6,577.00	7,760.86	7,235.00	8,537.30
25 9	CYLINDER HEAD SEAL (1 NOTCH)	401699 90	18	0165-08-016	15,157.00	17,885.26	16,673.00	19,674.14
26 0	CYLINDER HEAD SEAL (2 NOTCH)	401699 90	18	0165-08-017	15,624.00	18,436.32	17,187.00	20,280.66
26 1	CYLINDER HEAD SEAL (3 NOTCH)	401699 90	18	0165-08-018	15,624.00	18,436.32	17,187.00	20,280.66
26 2	GASKET	401699 90	18	0165-08-028	2,494.00	2,942.92	2,744.00	3,237.92
26 3	ADJUSTMENT SCREW	731829 90	18	0165-11-006	10,537.00	12,433.66	11,591.00	13,677.38

Sign. of Tenderer(s)

For CWM/CPOH/ADI

264	VALVE TAPPET	84818090	18	0165-11-010	16,902.00	19,944.36	18,593.00	21,939.74
265	EXCHANGE FILTER	84212300	18	0165-15-001	8,233.00	9,714.94	9,057.00	10,687.26
266	RUBBER HOSE	40093100	18	0165-16-073	8,461.00	9,983.98	9,308.00	10,983.44
267	NOZZLE	84099990	18	0165-19-002	16,902.00	19,944.36	18,593.00	21,939.74
268	FUEL EXCHANGE FILTER	84212300	18	0165-20-010	4,709.00	5,556.62	5,180.00	6,112.40
269	INJECTION LINE	84099990	18	0165-21-001	26,814.00	31,640.52	29,496.00	34,805.28
270	INJECTION LINE	84099990	18	0165-21-002	26,114.00	30,814.52	28,726.00	33,896.68
271	INJECTION LINE	84099990	18	0165-21-003	26,114.00	30,814.52	28,726.00	33,896.68
272	PLEATED HOSE	40093100	18	0165-22-082	141,698.00	167,203.64	155,868.00	183,924.24
273	O-RING	40169990	18	0165-33-004	8,625.00	10,177.50	9,488.00	11,195.84
274	FILLER LOCK	84099990	18	0165-36-003	12,706.00	14,993.08	13,977.00	16,492.86
275	RUBBER SLEEVE	40169960	18	0165-36-014	28,473.00	33,598.14	31,321.00	36,958.78
276	REPAIR KIT / WATER PUMP	84138190	18	0165-37-025	209,608.00	247,337.44	230,569.00	272,071.42
277	RADIAL SHAFT SEALING RING	84842000	18	0165-39-043	17,836.00	21,046.48	19,620.00	23,151.60
278	REPAIR KIT	84149020	18	0165-43-008	71,812.00	84,738.16	78,994.00	93,212.92
279	NARROW V-BELT SET	40169990	18	0165-44-129	12,009.00	14,170.62	13,210.00	15,587.80
280	GASKET SET	40169990	18	0165-90-001	163,443.00	192,862.74	179,788.00	212,149.84
281	DEUTZ OIL(20Ltr)(DQ C-III)	27101980	18	0165-90-6336	10,644.00	12,559.92	11,709.00	13,816.62
282	COOLING SYSTEM PROTECTION (20 LTR.)	34039900	18	0165-90-7991	27,047.00	31,915.46	29,752.00	35,107.36
283	PACKING COMPOUND	32141000	18	0165-02-031	7,809.00	9,214.62	8,590.00	10,136.20
284	GASKET	40169990	18	0165-16-121	195.00	230.10	215.00	253.70
285	GASKET	40169990	18	0165-16-131	552.00	651.36	608.00	717.44
286	RUBBER HOSE	40093100	18	0165-16-135	8,461.00	9,983.98	9,308.00	10,983.44

Sign. of Tenderer(s)

For CWM/CPOH/ADI

287	PRESSURE VALVE	84818090	18	0165-17-084	53,214.00	62,792.52	58,536.00	69,072.48
288	PUMPING ELEMENT	84138190	18	0165-17-086	89,618.00	105,749.24	98,580.00	116,324.40
289	Gasket Kit	40169990	18	0165-17-121	12,994.00	15,332.92	13,955.00	16,466.90
290	RUBBER SLEEVE	40169960	18	0165-22-136	10,448.00	12,328.64	11,493.00	13,561.74
291	Repair Kit	84149020	18	0165-33-1511	195,400.00	230,572.00	214,940.00	253,629.20
292	VACUUM HOSE	40093100	18	0165-33-012	30,342.00	35,803.56	33,377.00	39,384.86
293	HOSE CLIP	40093100	18	0165-36-081	4,264.00	5,031.52	4,691.00	5,535.38
294	RUBBER SLEEVE	40169960	18	0165-36-082	28,473.00	33,598.14	31,321.00	36,958.78
295	RUBBER SLEEVE	40169960	18	0165-36-084	18,365.00	21,670.70	20,202.00	23,838.36
296	HOSE CLIP	40093100	18	0165-36-085	5,072.00	5,984.96	5,580.00	6,584.40
297	CONNECTION SLEEVE	40169960	18	0165-36-092	49,479.00	58,385.22	54,427.00	64,223.86
298	RUBBER SLEEVE	40169960	18	0165-36-094	28,473.00	33,598.14	31,321.00	36,958.78
299	GASKET	40169990	18	0165-41-041	23,496.00	27,725.28	25,846.00	30,498.28
300	GASKET	40169990	18	0165-43-010	14,441.00	17,040.38	15,886.00	18,745.48
301	NARROW V-BELTS	40169990	18	0165-44-010	8,344.00	9,845.92	9,179.00	10,831.22
302	EYEBOLT	73182990	18	0165-44-131	16,334.00	19,274.12	17,968.00	21,202.24
303	SHIM RING	84099990	18	0165-01-3706	10,200.00	12,036.00	11,220.00	13,239.60
304	COMPRESSION SPRING	84099990	18	0165-01-026	4,576.00	5,399.68	5,034.00	5,940.12
305	PROFILE HOSE	40093100	18	0165-38-015	3,327.00	3,925.86	3,660.00	4,318.80
306	VACUUM HOSE	40093100	18	0165-33-012A	45,124.00	53,246.32	49,637.00	58,571.66

RM 80 MACHINE EQUIPPED WITH DEUTZ BF 12L 513C ENGINE

Sl. No.	NEW Description	HSN Code	GST %	FIGURE NO.	2026-27 Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	FUEL PUMP	84139190	18 %	0 401 840 754	3,119,786.00	3,681,347.48	3,431,765.00	4,049,482.70

Sign. of Tenderer(s)

For CWM/CPOH/ADI

2	INJECTORS	840999 90	18 %	0 432 291 699	57,114.00	67,394.52	62,825.00	74,133.50
3	SELF STARTER	851180 00	18 %	0 001 417 055	122,735.00	144,827.30	135,009.00	159,310.62
4	ALTERNATOR	851180 00	18 %	0 120 689 505 / 0 120 689 511 / 0 120 689 543	152,709.00	180,196.62	167,980.00	198,216.40

PROBABLE SPARES REQUIRED FOR PUMP / INJECTOR REPAIRS

Sl. No .	NEW Description	HSN Code	GS T %	FIGURE NO.	2026-27 Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	DELIVERY VALVE	848180 30	18 %	2 418 552 027	1,860.00	2,194.80	2,046.00	2,414.28
2	ELEMENT	840999 90	18 %	2 418 455 030	9,708.00	11,455.44	10,679.00	12,601.22
3	DV SPRING	840999 90	18 %	1 414 612 020	37.00	43.66	41.00	48.38
4	GASKET KIT	401699 90	18 %	2 417 010 027	5,816.00	6,862.88	6,398.00	7,549.64
5	BEARING	848280 00	18 %	1 900 910 240	4,709.00	5,556.62	5,180.00	6,112.40
6	BEARING	848280 00	18 %	1 900 910 241	12,516.00	14,768.88	13,768.00	16,246.24
7	NOZZLE	840999 90	18 %	0 433 271 819	4,512.00	5,324.16	4,963.00	5,856.34
8	FILTER	842123 00	18 %	0 451 105 067	3,816.00	4,502.88	4,198.00	4,953.64
9	FEED PUMP	841381 90	18 %	0 440 008 009 / 0 440 008 076	38,385.00	45,294.30	42,224.00	49,824.32
10	SWITCH	853690 90	18 %	0 330 004 004	38,631.00	45,584.58	42,494.00	50,142.92

PROBABLE SPARES REQUIRED FOR SELF STARTER REPAIRS

Sl. No .	NEW Description	HSN Code	GS T %	FIGURE NO.	2026-27 Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	SOLENOID	840999 90	18 %	0 331 450 001	9,412.00	11,106.16	10,353.00	12,216.54
2	BUSH	731829 90	18 %	2 000 301 016	448.00	528.64	493.00	581.74
3	DRIVE END SHAFT	840999 90	18 %	2 005 825 242	35,010.00	41,311.80	38,511.00	45,442.98
4	PARTS SET	840999 90	18 %	2 007 011 069	3,106.00	3,665.08	3,417.00	4,032.06

Sign. of Tenderer(s)

For CWM/CPOH/ADI

5	CONTROL RELAY	84099990	18%	0 331 101 006	8,180.00	9,652.40	8,998.00	10,617.64
6	ARMATURE	84099990	18%	2 004 005 023/024	58,474.00	68,999.32	64,321.00	75,898.78
7	TERMINAL PARTS SET	84099990	18%	2 007 011 070	1,538.00	1,814.84	1,692.00	1,996.56
8	CARBON	84099990	18%	2 007 014 070	4,162.00	4,911.16	4,578.00	5,402.04
9	PINION	84099990	18%	2 006 382 018	3,882.00	4,580.76	4,270.00	5,038.60
10	EXCITATION WINDING	84099990	18%	2 004 125 083	26,860.00	31,694.80	29,546.00	34,864.28
11	MULTIPLATE CLUTCH	84099990	18%	2 006 401 527	15,692.00	18,516.56	17,261.00	20,367.98
12	BUSHING	73182990	18%	2 000 301 015	1,242.00	1,465.56	1,366.00	1,611.88
13	RADIAL SEAL	40169990	18%	2 000 212 000	1,488.00	1,755.84	1,637.00	1,931.66
14	BEARING	84828000	18%	2 000 910 002	165.00	194.70	182.00	214.76
15	BEARING	84828000	18%	2 000 910 005	3,117.00	3,678.06	3,429.00	4,046.22

PROBABLE SPARES REQUIRED FOR ALTERNATOR REPAIRS

Sl. No.	NEW Description	HSN Code	GST %	FIGURE NO.	2026-27 Rate Each (Rs.)	Rate of 2026-27 inclusive GST	2027-28 Rate Each (Rs.)	Rate of 2027-28 inclusive GST
1	REGULATOR	84099990	18%	1 197 311 320	21,650.00	25,547.00	23,815.00	28,101.70
2	BEARING	84828000	18%	1 900 900 361	4,336.00	5,116.48	4,770.00	5,628.60
3	BEARING	84828000	18%	1 900 910 024	16,104.00	19,002.72	17,714.00	20,902.52
4	RECTIFIER	84099990	18%	1 127 320 550/973	22,029.00	25,994.22	24,232.00	28,593.76
5	DRIVE END SHIELD	84099990	18%	1 125 827 006	19,168.00	22,618.24	21,085.00	24,880.30
6	ROTOR	84099990	18%	1 124 037 001	127,137.00	150,021.66	139,851.00	165,024.18
7	CYL. ROLLER BEARING	84828000	18%	2 120 910 001	7,809.00	9,214.62	8,590.00	10,136.20
8	STATOR	84099990	18%	1 125 047 005	104,643.00	123,478.74	115,107.00	135,826.26
9	EXPANSION BUSHING	73182990	18%	1 120 300 018	1,583.00	1,867.94	1,741.00	2,054.38
10	RADIAL SEAL	40169990	18%	1 120 283 000	1,549.00	1,827.82	1,704.00	2,010.72
11	PARTS SET ROTOR	84099990	18%	1 127 011 064	3,698.00	4,363.64	4,068.00	4,800.24

Sign. of Tenderer(s)

For CWM/CPOH/ADI

12	DRIVE END SHIELD	84099990	18%	1 125 827 021	21,305.00	25,139.90	23,436.00	27,654.48
13	DEEP-GROOVE BALL BEARING	84828000	18%	2 120 905 000	5,191.00	6,125.38	5,710.00	6,737.80
14	COVER PLATE	84099990	18%	1 120 033 009	3,145.00	3,711.10	3,460.00	4,082.80
15	ROTOR	84099990	18%	1 124 037 002	124,203.00	146,559.54	136,623.00	161,215.14
16	RECTIFIER	84099990	18%	1 127 320 973	22,029.00	25,994.22	24,232.00	28,593.76
17	TRANSISTOR REGULATOR	84099990	18%	1 197 311 315	12,632.00	14,905.76	13,895.00	16,396.10
18	SUPPRESSION CAPACITOR	84099990	18%	0 290 800 052	1,126.00	1,328.68	1,239.00	1,462.02
19	PARTS SET ROTOR	84099990	18%	1 127 011 171	4,612.00	5,442.16	5,073.00	5,986.14
20	PARTS SET CLAMP	73182990	18%	1 127 011 083	2,795.00	3,298.10	3,075.00	3,628.50

Annexure-F

Repair Charges of spare parts of Deutz Engines Spares of Model No. BF12L513C (18% GST) 2026-2027 & 2027-2028.

Sr. No	Description	HSN Code	Total Req Qty for Model No. BF12L513C	Basic Rate (2026-27)	GST %	Total Rate including GST (2026-27)	Basic Rate (2027-28)	GST %	Total Rate including GST (2027-28)
1	Fuel Pump	998719	1	33,223.00	18	39,203.14	35,881.00	18	42,339.58
2	Injectors		12	440.00	18	6,230.40	475.00	18	6,726.00
3	Cylinders Head		12	4,375.00	18	61,950.00	4,725.00	18	66,906.00
4	Turbo Charger		2	17,664.00	18	41,687.04	19,077.00	18	45,021.72
5	Air Compressor		1	22,034.00	18	26,000.12	23,797.00	18	28,080.46
6	Blower (Only for BF12L513C)		1	22,034.00	18	26,000.12	23,797.00	18	28,080.46
7	Major Overhaul of Engine at Pune. The Commissioning of Engine shall be done at site as per daily charges stipulated.		1	153,867.00	18	181,563.06	166,176.00	18	196,087.68

Sign. of Tenderer(s)

For CWM/CPOH/ADI

8	Crankshaft Grinding Charges at Pune		1	22,034.00	18	26,000.12	23,797.00	18	28,080.46
9	Engine Block		1	72,998.00	18	86,137.64	79,838.00	18	94,208.84
10	Connecting Head		12	2,176.00	18	30,812.16	2,350.00	18	33,276.00
12	Inspection Charges for Engine if not Overhauled at Pune		1	58,761.00	18	69,337.98	63,462.00	18	74,885.16
13	Engine Load Testing Charges		1	163,258.00	18	192,644.44	176,319.00	18	208,056.42
Total Amount						787,566.22			851,748.78

Repair Charges of spare parts of Deutz Engines Spares of Model No. BF06M1015CP (18% GST) 2026-2027 & 2027-2028.

Sr. No	Description	HSN Code	Total Req Qty for Model No. BF06M1015CP				Basic Rate (2027-28)	GST %	Total Rate including GST (2027-28)
1	Fuel Pump	998719	1				35,881.00	18	42,339.58
2	Injectors		6				475.00	18	3,363.00
3	Cylinders Head		6				4,725.00	18	33,453.00
4	Turbo Charger		1				19,077.00	18	22,510.86
5	Air Compressor		1				23,797.00	18	28,080.46
6	Major Overhaul of Engine at Pune. The Commissioning of Engine shall be done at site as per daily charges stipulated.		1				166,176.00	18	196,087.68
7	Crankshaft Grinding Charges at Pune		1				23,797.00	18	28,080.46
8	Engine Block		1				79,838.00	18	94,208.84

Sign. of Tenderer(s)

For CWM/CPOH/ADI

9	Connecting Head		6				2,350.00	18	16,638.00
10	Inspection Charges for Engine if not Overhauled at Pune		1				63,462.00	18	74,885.16
11	Engine Load Testing Charges		1				176,319.00	18	208,056.42
12	Radiator Repair Charges for Duomatic		1				26,530.00	18	31,305.40
13	Charge Air Cooler repair Charges (For Duomatic)		1				33,332.00	18	39,331.76
Total Amount									818,340.62

REPAIR CHARGES OF SUB ASSEMBLIES OF DEUTZ ENGINES AT KOLKATA/PUNE {MODEL NO. TCD2015V08 PCTM & UNIMAT MACHINE} for Year 2027-28

Sr. No	Description	HSN Code	Total Req Qty for Model No. TCD2015V08				Basic Rate (2027-28)	GS T %	Total Rate including GST (2027-28)
1	Fuel Pump	998719	1				-	-	-
2	Injectors		8				-	-	-
3	Cylinder Head		8				6,429.00	18	60,689.76
4	Turbo Charger		1				25,754.00	18	30,389.72
5	Air Compressor		1				32,126.00	18	37,908.68
6	Major Overhaul of Engine at Pune. The Commissioning of Engine shall be done at site as per daily charges Stipulated in AMC.		2				157,305.00	18	371,239.80
7	Crankshaft Grinding Charges at Pune		1				32,126.00	18	37,908.68
8	Engine Block		1				106,431.00	18	125,588.58
9	Connecting Rod		8				3,175.00	18	29,972.00

Sign. of Tenderer(s)

For CWM/CPOH/ADI

10	Transportation of Complete Engine From Railway Site to Pune for Ovehaul and Back.						Actuals		
11	Inspection Charges for Engine. If Not Overhauled at Pune.		2				63,462.00	18	149,770.32
12	Engine Load Testing Charges		2				238,032.00	18	561,755.52
Total Amount									1,405,223.06

The rate will be % (Percentage) below/above (to be filled by the Tenderer in figure).

Declaration by the tenderer

(1)I/We am/are signing this document after carefully reading the contents.

(2)I/We also accept all the conditions of the tender and have signed all the pages in confirmation thereof.

Signature of tenderer/s

Address:

Sign. of Tenderer(s)

For CWM/CPOH/ADI

**END OF
DOCUMENT**