



**CENTRAL RAILWAY
PUNE DIVISION**

ELECTRICAL DEPARTMENT (TRD)

REGULATIONS FOR TENDER AND CONTRACT
CONDITIONS OF TENDER, SCHEDULE OF RATES (BILLS OF QUANTITIES)

Tender No.: PUNE_ELECT_TRD_2025_23R1

For

Name of work: Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division.

Bid Security: Rs.1061800.00

Date & Time of Closing: 06/07/2026, 12:00

1.0
TENDER NOTICE

TENDER NOTICE

Tender No.	PUNE_ELECT_TRD_2025_23R1
Name of work	Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division.
Approximate cost of the work	Rs. 53089248.76 (Rupees Five Crores thirty Lakhs eighty nine Thousand, Two Hundred forty eight and Seventy six Paise only)
Bid security	Rs. 1061800.00 (Rupees Ten lakh Sixty One Thousand Eight Hundred only)
Cost of tender form	NIL.
Completion period	2 Years.
Validity of offer	60 days from the date of opening of tender.
Mode of payment for cost of Bid security	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.
Website address	Tender notice, corrigendum if any & complete tender document will be available on website www.ireps.gov.in
Date & time of submission of tender.	As mentioned on official website www.ireps.gov.in
Date & time of closing of tender	Tender will be closed on 06/07/2026 at 12.00 Hrs.
Eligibility Criteria	As per Chapter- 2.
Joint Venture (JV)	The Joint Venture (JV) will NOT be applicable for this tender.
Note	Tenderer may participate in above e-tender electronically through website www.ireps.gov.in only & submission of manual offers against e-tender are not allowed. Manually, if submitted shall neither be opened nor considered.

OPEN TENDER NOTICE No. PUNE_ELECT_TRD_2025_23R1 dtd.10.06.2026

**Sr. Divisional Electrical Engineer (TRD),
Central Railway, Pune
For and on behalf of President of India**

3729449/2026/O/O SR DEE/PA/CR

CENTRAL RAILWAY

Open Tender Notice No.: PUNE_ELECT_TRD_2025_23R1 dated 10.06.2026

Divisional Railway Manager (Electrical,TRD), Central Railway, Pune-411001 for and on behalf of the President of India invites open 'E'-tenders, **ON LINE** from the reputed contractors for the following work

1.	Name of the work with its location	Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division.
2.	Approximate cost of the work	Rs. 53089248.76 (Rupees Five Crores thirty Lakhs eighty nine Thousand, Two Hundred forty eight and seventy six Paise only)
3.	Bid security to be deposited	Rs. 1061800.00 (Rupees Ten lakh Sixty One Thousand Eight Hundred only)
4.	Date & time of closing of tender	Tender will be closed on 06/07/2026 at 12:00 Hrs.
5.	Website address	Tender notice, Eligibility Criteria, complete tender document & corrigendum if any will be available on website www.ireps.gov.in
6.	System of tendering	The 'E' tender documents shall be submitted online only by following the guide line on the CRIS web site given above.

Date: 10.06.2026

Divisional Railway Manager (Electrical,TRD)
Central Railway, Pune
On behalf of the President of India

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2.0
INSTRUCTIONS TO TENDERER
&
CONDITIONS OF CONTRACT

2.1 GENERAL CONDITION OF CONTRACT:

1. Subject contract shall be governed by latest "General Condition of Contract and as per latest correction slip of the same (if any)" applicable for Central Railway, copy of which is available, for reference in the office of the **Senior Divisional Electrical Engineer(TR), Pune**. Special conditions and all other terms and conditions given in the contract should also be noted while submitting the offer.
2. All the works shall be carried out by the Contractor with tools and equipment arranged by the Contractor.
3. Water/ electricity / transports shall be arranged by the Contractor at his own cost. The Purchaser shall not provide the same under any circumstances. The site for depot / workshop can be provided to the Contractor on his request.
4. The Contractor shall arrange at his own cost, all tools & plants, facilities required for erection, Testing and commissioning of all the equipment in compliance with the respective specifications.
5. The schedule of rates and quantities enclosed should be reading conjunction with the explanatory Notes given in the tender papers.

2.2 TENDERER'S CREDENTIALS & ELIGIBILITY CRITERIA:

Eligibility criteria of tenderer (Applicable for works costing more than Rs. 50 Lakh):-

2.2.1. TECHNICAL ELIGIBILITY CRITERIA:

- (a) The tenderer must have successfully completed **or substantially completed** any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:
 Three similar works each costing not less than the amount equal to 30% of advertised value of the tender,
 OR
 Two similar works each costing not less than the amount equal to 40% of advertised value of the tender,
 OR
 One similar work each costing not less than the amount equal to 60% of advertised value of the tender.
- (b) (i) 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 of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:
 Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender,
 OR
 Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender,
 OR
 One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender

Note for b(i):

Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components.

- (ii) 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.

(iii) 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 GCC or through subcontractor fulfilling the requirements as per clause 7 of the Standard GCC 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 GCC, with prior approval of Chief Engineer in writing.

Note for Item 2.2.1:

Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, 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.

Note: The similar work means having experience of following types of works:

SIMILAR WORK (definition of similar work): (Applicable for works costing more than Rs. 50 Lakh):-

“The tenderer should be either OEM of Engine/drive of any make used in Tower wagon or their Authorized dealer having experience in repair/overhauling of Engine and drives of Tower wagons

and the spares required for Overhauling/Maintenance/Repairs etc. should be procured from OEM or their authorized dealers only and proof of this to be submitted to Railway.”

2.2.2. 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.

Note: Annexure-VIB must be mentioned UDIN no. as per ICAI guideline.

2.2.3. BID CAPACITY (Only for tender costing more than Rs. 20 crore):

The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI GCC (or latest correction slip).

2.2.4. No Technical and Financial credentials are required for tenders having advertised value up to Rs 50 lakh.

2.2.5. 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 clause 2.2 including clause 2.2.1 to 2.2.5 - 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 2.2.1 Para 2.2 of the Tender document, 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 of that work 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 $0.3 \times 0.2 \times \text{value of the work done in the previous entity}$. 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.
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.]

2.3 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 Central 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) 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) **Annexure-V:-** On IREPS Module, a facility has already been created for online submission of **Annexure-V. Same must be filled and submitted online on IREPS by firm at the time of submission of offer/Bid.** In addition to **Annexure-V (online on IREPS)**, in case of other than Company/Proprietary firm, **Physically signed copy of Annexure-V(A)'s** shall also be submitted/uploaded **ONLINE** (along with the Bid on IREPS) 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) (i.e. **Annexure-V (online)** and **uploading of Physically signed copy of Annexure-V(A)'s** (along with the Bid on IREPS)) 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. *(As per Railway Board letter No. 2022/CE-I/CT/GCC Correspondence New Delhi, dated 14.05.2024).*
- (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 here under 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** and may also lead to any other action provided in the contract including banning of business for a period of upto 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/ Security Deposit and Performance Guarantee** and may also lead to any other action provided in contract including banning of business for a period of upto two years.

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

2.5 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 upto latest correction slips, mentioned in tender form (First Sheet) of GCC.

2.6 DOCUMENTS TO BE SUBMITTED ALONG WITH TENDER:

2.6.1. 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.

2.6.2. **FOLLOWING DOCUMENTS SHALL BE SUBMITTED BY THE TENDERER:**(as per GCC April 2022)

(a) SOLE PROPRIETORSHIP FIRM:

(i) All documents in terms of Para 2.2-2.3 above.

(ii) In case a tenderer is participating as Sole Proprietor in a tender, it should be made mandatory for him to submit an undertaking on suitable stamp paper to this effect clearly mentioning PAN number also along with tender document at the time of submission of tender.

(Vide SDGM/CR (Vig.) letter no. VIG/EL/2022.03.01 dated 13.05.2022)

(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 2.2-2.3 above.

(c) PARTNERSHIP FIRM: All documents as mentioned in para 18 of the Tender Form (Second Sheet) of GCC April 2022.

(d) JOINT VENTURE (JV): All documents as mentioned in para 17 of the Tender Form (Second Sheet) of GCC April 2022.

(e) COMPANY REGISTERED UNDER COMPANIES ACT 2013:

(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 of Para 2.2-2.3 above.

(f) LLP (Limited Liability Partnership):

(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 intenders / 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 2.2-2.3above

(g) Registered Society & Registered Trust:

(i) A copy of the 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 2.2-2.3above

2.6.3. 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.

2.6.4. 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.

2.6.5. A tender from JV / Partnership firm etc. shall be considered only where permissible as per the tender conditions.

2.6.6. 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.

2.6.7. The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) /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.*

2.6.8. **The following documents are required to be submitted along with tender with offer:**

(i) Annexure-V:- On IREPS Module, a facility has already been created for online submission of Annexure-V. Same must be filled and submitted online on IREPS by

firm at the time of submission of offer/Bid. In addition to **Annexure-V (online on IREPS)**, in case of other than Company/Proprietary firm, **Physically signed copy of Annexure-V(A)'s** shall also be **submitted/uploaded ONLINE (along with the Bid on IREPS)** 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) (i.e. Annexure-V (online) and uploading of Physically signed copy of Annexure-V(A)'s (along with the Bid on IREPS))** 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. *(As per Railway Board letter No. 2022/CE-I/CT/GCC Correspondence New Delhi, dated 14.05.2024).*

- (ii) Copy of GST registration number.
- (iii) Partnership deed/association deed and Power of Attorney duly notarized / registered
- (iv) List of personnel along with their qualifications, trade certification / licenses, designation, available in organization and proposed to be engaged for the subject work.
- (v) List of Plants & Machineries available on hand (own) and proposed to be inducted (own and hired to be given separately) for the subject work.
- (vi) Attested copy of Tax deducted at source (TDS) certificate/Form26AS.
- (vii) Attested copy of Annual Income Tax Returns filed with Income Tax Department.
- (viii) Audited balance sheet distinctly showing the amount received from contracts duly certified by the Chartered Accountant.
- (ix) Attested certificate from employer / Clients about contractual payment received for the work done.
- (x) List of all ongoing works awarded to the contractor but not completed along with supporting documents issued by competent authority.
- (xi) Completion Certificates for the work executed in qualifying period.
- (xii) List of works completed in the qualifying period giving description of work, organization for whom executed approximate value of contract at the time of award, payment received in the qualifying period date of award and date of scheduled completion of work. Date of actual start, actual completion and final value of contract. The certificate submitted by the tenderer should not be signed by an Officer below the rank of Executive Engineer of the concerned department.
- (xiii) Any other documents the tenderer/s may like to submit in support of his /scheme.
- (xiv) **The contractor shall fulfill valid Electrical Contractor License requirement as per IE Rule 1956 clause no-45. Electrical Contractors license shall be submitted along with the offer, failing which the offer will summarily be rejected. (NOT APPLICABLE FOR THIS WORK.)**

Note:

- (1) Tenderer should not quote any conditional offer, giving rebate for early finalization of their offer. Such conditional offer will be summarily rejected and no correspondence in this matter will be entertained. (Other Terms & Conditions & Drawings are available in this office).
- (2) Tenderer may carefully note that their contract agreement for this work is liable to be terminated at any time later. In case any of the information furnished by them is found to be untrue / misleading or any adverse point comes to light subsequently. The decision of Railway in this regard shall be final and binding.
- (3) For any additional information / clarification office of the Sr. DEE/Pune may be contacted on any working day between 09.30 hrs to 5:30 hrs.

- (4) The prospective tenderers are advised to visit website “www.ireps.gov.in” before one week to the date of tender opening to note any changes / corrigendum of any tender.

2.7 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.

“This tender complies with Public Procurement Policy (Make in India) Order, 2017 – Revision dated 16/09/2020, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2020/RS(G)/779/2/Pt.1 dated 25/09/2020 and amendments / revisions thereof.” The full details of the order can be seen at <http://dipp.nic.in/whats-new/publicprocurement-preference-make-india-order-2017>.

(Authority Railway Boards L. No. 2020/RS(G)/779/2/Pt.1 dated 25-09-2020)

Reciprocity Clause (d) of revised ‘Make in India’ policy (vide vide Railway Board letter no. 2015/RS(G)/779/5 dated 01.06.2021)

- (i) “When a Nodal Ministry/Department identifies Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of projects of specific value in the procuring country etc. it shall provide such details to all its procuring entities including CMDs/CEOs of PSEs/PSUs, State Governments and other procurement agencies under their administrative control and GeM for appropriate reciprocal action.”
- (ii) Entities of countries which have been identified by the nodal Ministry/Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry / Department, except for the list of items published by the Ministry / Department permitting their participation.
- (iii) The stipulation in (ii) above shall be part of all tenders invited by the Central Government procuring entities stated in (i) above. All purchases on GeM shall also necessarily have the above provisions for items identified by nodal Ministry / Department.
- (iv) State Governments should be encouraged to incorporate similar provisions in their respective tenders.
- (v) The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.

2.8 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.

2.9 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.

2.10 Tender form as per Annexure I of Indian Railways Standard General Conditions of Contract (G.C.C.) April 2022.

2.11 SIGNING OF TENDER:

When work is tendered for by a firm or company of contractors, the tender shall be signed by the individual legally authorized to enter into commitments on their behalf. The Railways 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 charged to the Contractor.

2.12 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 Rs.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 **Bid Security** mentioned in sub clause (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.

2.13 INTEREST ON BID SECURITY:

No interest on Bid Security will be paid by Senior Divisional Finance Manager, Central Railway, Pune. Further, Senior Divisional Finance Manager, Central Railway, Pune are not responsible for loss of any interest in case of the Fixed Deposit Receipt for any reasons.

2.14 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.

- i. **Refund of Security Deposit:** Security Deposit mentioned above shall be returned to the Contractor along with or after, the following:
 - (a) Final Payment of the Contract as per clause 51.(1) of GCC 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) of GCC, in case applicable.
- ii. **Forfeiture of Security Deposit:** Whenever the contract is rescinded as a whole under clause 62 (1) of GCC **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 GCC **of these conditions**, the Security Deposit shall not be forfeited.
- iii. 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.

Note :- Security Deposit rules are governed as per GCC.

2.15 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 the contractor against that particular contract, subject to maximum of 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 (h)** in any of the following forms: -

- (i) A deposit of Cash;
- (ii) Irrevocable Bank Guarantee;
- (iii) Insurance Surety Bond as per Annexure-XVII.
- (iv) 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.

(v) Government Securities including State Loan Bonds at 5% below the market value;

- (vi) Pay Orders and Demand Drafts tendered by any Scheduled Commercial Bank of India;
- (vii) Guarantee Bonds **executed or** Deposits Receipts **tendered by any** Scheduled Commercial Bank of India;
- (viii) Deposit in the Post Office Saving Bank;
- (ix) Deposit in the National Savings Certificates;
- (x) Twelve years National Defence Certificates;
- (xi) Ten years Defence Deposits;
- (xii) National Defence Bonds and
- (xiii) 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%

ANNEXURE-XVII

Insurance Surety Bond for Performance Security

Name of the issuer of surety bond:

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

Date:.....

.....

Surety Bond No:

Issue Date:.....

Amount of Bond:.....

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.

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.

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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 ,XXXX 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 2026

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

Place.....

Bank's Sea[and authorized signature(s)
[Name in Block letters].....
[Designation with Code No.].....
[P/Attorney] No.

Witness

1.

2.

2.16 PVC CLAUSE: (NOT APPLICABLE FOR THIS SUBJECT TENDER WORK)

2.17 FORCE MAJEURE CLAUSE:

Force major clause is applicable as per clause (17) of GCC (along with correction slip, if any).

2.18 EXTENSION OF TIME IN CONTRACTS:

Applicable as per clause (17-A/B) of latest GCC (along with correction slip, if any).

2.19 QUOTING OF RATES:

The Tenderer shall quote his rates in percentage above / below / at par for **each schedule** with respect to estimated cost given in the tender **document/ on IREPS**.

2.20 ERASURE AND ALTERATIONS:

Tenders containing erasure and alterations of the tender documents are liable to be rejected.

2.21 OBLIGATION TO ACCEPT / REJECT:

It shall not be obligatory on the Railway authority to accept the lowest tender and no tenderer shall demand any explanation for the cause of rejection of his tender.

2.22 DELIBERATION:

If the tenderer deliberately gives wrong information in his tender or creates circumstance for the acceptance of his tender, the Railway reserves the right to reject such tender at any stage.

2.23 RETAINING OF CHARACTER OF FIRM:

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.

2.24 NON COMPLIANCE:

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

2.25 EXECUTION OF CONTRACT AGREEMENT:

- (a) The Tenderer whose tender is accepted shall be required to appear in person at the office of Senior Divisional Electrical Engineer, Pune, 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. Failure to do so shall constitute a breach of the agreement affected by the acceptance of the tender. The Contract Agreement shall be entered into by Railway only after submission of valid Performance Guarantee by the Contractor. 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 Bid Security 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.
- (b) 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).
 - (i) For Zone Contracts, awarded on the basis of the percentage above or below the applicable chapter(s) of Standard Schedule of Rates (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 of GCC. During the currency of the Zone Contract, work orders as per specimen form Annexures-III of GCC, for works not exceeding 5,00,000 each, shall be issued by the Divisional Railway Manager / Executive Engineer under the agreement for Zone Contract.
 - (ii) 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 of GCC.

2.26 COMPLETION / CONTRACT PERIOD:

The works are required to be carried out within a period of 02 (Two) Years as mentioned in tender notice from the date of issue of acceptance letter.

2.27 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/members 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 gazette 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 a), b), c) above has not been furnished, contract is liable to be dealt in accordance with provision of clause 62 of GCC.

2.28 PARTNERSHIP DEEDS, POWER OF ATTORNEYS ETC.:

Applicable as per GCC.

2.29 VARIATIONS IN EXTENT OF CONTRACT

Applicable as per GCC.

2.30 VARIATION IN CONTRACT QUANTITIES (Applicable as per latest GCC):

The procedure as detailed below shall be adopted for dealing with variation in quantities during execution of works contracts:-

- 1)(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
 - (a) 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;
 - (b) 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;
 - (c) 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.

- (d) 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) In case of foundation work, no variation limit shall apply and the work shall be carried out by the Contractor on agreed rates irrespective of any variation.
 - (vi) As far as **Standard Schedule of Rates (SSOR)** items are concerned, the **variation** limit of 25% would apply to the value of SOR schedule as a whole and not on individual **SSOR** items. However, in case of **Non Standard Schedule of Rates (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).
2. In cases where decrease is involved during execution of contract:-
- a) The contract signing authority can decrease the items up to 25% of individual item without finance concurrence.
 - b) For decrease beyond 25% for individual items or 25% of contract agreement value, the approval of an officer not less than rank of S.A. Grade may be taken, after obtaining 'No Claim Certificate' from the contractor and with finance concurrence, giving detailed reasons for each such decrease in the quantities.
 - c) It should be certified that the work proposed to be reduce will not be required in the same work. The aspect of vitiation of tender with respect to variation in quantities should be checked and avoided. In case of vitiation of the tender (both for increase as well as decrease of value of contract agreement), sanction of the competent authority as per single tender should be obtained.

(Note:- Variation in Sch Qty or Additional NS qty is governed by Indian Railway Model SOP 2018 and may be change accordingly from time to time if the Model SOP is modified/corrected/changes.)

2.31 BINDING OF ORIGINAL OFFER IN CASE OF NEGOTIATIONS:

Should the Railway decide to negotiate with a view to bring down the rates, the original offer will still be binding in case nothing materializes out of the negotiations.

2.32 SUBMISSION OF TENDER:

Tenderer may participate in above E-tender electronically through website www.ireps.gov.in only & submission of manual offers against E-tender are not allowed. Manual offers, if submitted shall neither be opened nor considered.

2.33 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.
- (a)(v) *Contractor shall be liable to pay/refund the amount collected as GST to the Indian Railways along with interest and penalties, if any imposed by the authorities, in case GST input tax credit of Indian Railways is denied/rejected by the tax authorities due to reasons mentioned below but not limited to:*
 - Wrong/incorrect invoice s is sued by Contractor;*
 - No-filing of GST returns;*
 - Non-payment of GST collected from Indian Railways to the authorities;*
 - Any other non-compliance done by Contractor;*

General Indemnity: Contractor hereby agrees to indemnify and hold harmless the Indian Railways from and against any and all losses, including loss on account of Input Tax Credit and all losses incurred by the Indian Railways relating to or arising out of or in connection with any actual or threatened claim, legal action, proceedings, prosecution or inquiry by or against the Indian Railways arising out, directly or indirectly, of failure by the contractor to comply with the provisions of GST and related laws, or based upon or arising from any failure by the Contractor.

Retention Money: Any payment liable to be paid by Indian Railways to contractor against the goods or services or both supplied by such contractor to Indian Railways shall be kept on hold in case supplier makes any non-compliance of any of the GST law provisions including non-reporting of invoices in GST returns. Such payment shall be released after proper verification of records and availability of ITC to Indian Railways as per provisions of GST Law.

- (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.

2.34 ARBITRATION :

The Contract Agreement should be governed by clause nos. 63 & 64 of GCC pertaining to settlement of Disputes/Arbitration.

2.35 Assignment or Subletting of Contract/SUB-CONTRACTORS :

As per GCC 2022 para 7 of part-II along with all advance correction slips upto Advance correction slip No.11 para 7 (a) (i) of part-II of GCC'22.

2.36 CANVASSING AND BRIBERY :

- a) No Tenderer shall canvass any Government official or the Purchaser's Engineers in respect of this or any other Tender. Contravention of this condition will involve rejection of the Tender. This clause shall not be deemed to prevent the Tenderer from supplying the Purchaser any information asked for by him.
- b) **Illegal Gratification:-**

Procuring authorities as well as bidders, contractors and consultants should observe the highest standard of ethics and should not indulge 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 or 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 the procuring entity, that may impair the 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 or affect the execution of a contract;
- v) "Conflict of interest" (COI): any personal, financial, or business relationship between the bidder and any personnel 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 false 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;

c) 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.

2.37 GENERAL CONDITION OF CONTRACT:

Unless otherwise stated in the tender document, all other terms/ rule and regulations/ guidelines contract shall be governed by latest "General Condition of Contract 2022 updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents" applicable for Central Railway, copy of which is available, for reference in the office of the Senior Divisional Electrical Engineer, Pune and on official site of Indian Railways.

2.38 ADDRESSES:

Relevant addresses for specified purposes in connection with the tender are given below:

1. For Contract execution:-

Senior Divisional Electrical Engineer, (TRD) Pune,
New DRM office Bldg., Raja Bahadur Mill Road,
Central Railway, Pune 411 001.

2. For Security Deposit / Bid Security/PG in favour of :-

Senior Divisional Finance Manager, Pune,
New DRM office Bldg., Raja Bahadur Mill Road,
Central Railway,
Pune 411 001.

3.0
SPECIAL CONDITIONS
OF CONTRACT

3.0 SPECIAL CONDITIONS OF CONTRACT**3.1 SCOPE:**

This chapter deals with the conditions of Contract under which the various works coming under the purview of this contract are to be executed by the Contractor.

3.2 LAWS OF INDIA:

This contract shall be governed by the laws for the time being in force in the Republic of India.

3.3 ISSUE OF IDENTITY CARDS TO CONTRACTOR'S LABOURS :

Following certificates/documents should be issued to each contract labourers nominated to work in the railway premises by the contractor, indicating Contract No, Name of the person, place of work etc.

- 1.Certificate of Fitness, 2.Police Verification,3.Identity Card,4. Bio-Data Of Staff (Contractual)as per attached annexure. If these are not issued to contract labourers, he / they will not be permitted to work in the Railway premises. The list of the labour should be submitted to this office for records.

3.4 INSPECTION :

All the material, required for this work shall be inspected by Railway's authorized engineer/Consignee at firms works and ensure that the work is done in accordance with specification, drawings, schedules and is of the best quality suitable for this purpose. All the defects / discrepancies, if any, pointed out during inspection should be attended by the contractor immediately.

3.5 MATERIALS/EQUIPMENTS:

All materials used in the work shall be of the best quality and of OEM specification and make.

3.6 GUARANTEE:

- a) All the materials supplied by the contractor in this work shall be guaranteed for 12 months from the date of installation. The contractor will have to replace defective materials free of cost in guarantee period. The work done during any check like B, C & D shall be guaranteed till the next check (B, C or D) which is to be carried out as per schedule. The B, C or D check carried out during second year shall be guaranteed till they become due even after completion of the work. The service/repair works shall also be guaranteed for a period of 12 months.
- b) During the period of guarantee the contractor shall maintain the equipment's and contractor shall keep available experienced Engineer and necessary equipment to attend to any defects.
- c) During the period of guarantee, the contractor shall be liable for the replacement at site of any parts which may be found defective, whether arising from faulty design, materials, workmanship or negligence in any manner on the part of the contractor provided always that such defective parts as are not repairable at site are promptly returned to the contractor if so required by him at his (contractor's) own expenses. The repaired or renewed parts shall be delivered and erected on site free of charge. During guarantee period if any defect is not repairable at site and if tower wagon/ engine / spare parts have to transport to OEM/ OEM authorized service centre/ dealer's premise or in workshop then to & fro transportation charges, loading and unloading of material will be borne by the Contractor during the guarantee period. No additional payment will be paid by the railway for the same in the guarantee period.

- d) The successful tenderer will have to attend the failed equipment/part of work, as soon as they are informed by the Railway's representative, without waiting for availability of stores or labours and without any reservations and disputes.

The decision of the Senior Divisional Electrical Engineer (TR) Pune with respect to liability for such rectification and replacement shall be final and binding on the tenderer.

3.7 RELEASED MATERIAL:

The released materials should be returned by the contractor to Railways concerned depot and acknowledged. The released materials should be transported to respective depot with the tenderers men and vehicle as per instruction of Railway's Engineer.

3.8 DISASTER MANAGEMENT:

Vehicles and equipment's of contractors working with railways can be provided/ asked to be deployed by Railway administration at its discretion in case of accidents/natural calamities involving human lives. In case it is seen that the contractors have shunned their responsibilities in case of disaster involving human lives, they may be levied penalties as decided by Railway administration or their contract can be rescinded as the requirement of Railway administration in such cases are for larger public interest.

3.10 SPECIAL CONDITIONS FOR LETTER OF CREDIT (LC):

- (i) For all the tenders having advertised cost of Rs 10 lakh or above, the contractor shall have the option to take payment from Railways through a letter of credit (LC) arrangement.
- (ii) This option of taking payment through LC arrangement has to be exercised in IREPS (Indian Railway Electronic Procurement System - the e-application on which tenders are called by Railways) by the tenderer at the time of bidding itself, and the tenderer shall affirm having read over and agreed to the terms and conditions of the LC option.
- (iii) The option so exercised, shall be an integral part of the bidder's offer.
- (iv) The above option of taking payment through LC arrangement, once exercised by tenderer at the time of bidding, shall be final and no change shall be permitted, thereafter, during execution of contract.
- (v) In case tenderer opts for payment through LC, following shall be the procedure to deal release of payment through LC:
 - a. The LC shall be a sight LC.
 - b. The contractor shall select his Advising/Negotiating bank for LC. The incidental cost towards issue of LC and its operation thereof shall be borne by the contractor.
 - c. SBI, New Delhi, Main Branch will be the nodal branch for issue of LCs based on online requests received from Railway Accounts Units for tenders opened in financial year 2018-19. SBI branches where the respective Railway Accounts Office has its Account (local SBI branch) will be the issuance/reimbursing branch for LC issued under this arrangement. The Bank shall remain same for this tender till completion of contract. The incidental cost @0.15% per annum of LC value, towards issue of LC and operation thereof shall be borne by the contractor and shall be recovered from his bills.
 - d. The LC shall be opened initially for duration of 180 to 365 days in consultation with contractor. The LC shall be extended time to time as per the progress of the contract, on the request of the contractor. The value of LC to be opened initially as well as extended thereafter shall be finalised by the engineer in consultation with the contractor on the basis of expected progress of work.
 - e. The LC terms and conditions shall inter-alia indemnify and save harmless the Railway from and against all losses, 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 relation to the Letter of Credit (LC). All sums payable/borne by

- Railways on this account shall be considered as reasonable compensation and paid by contractor.
- f. The LC terms and conditions shall inter-alia provide that Railways will issue a Document of Authorization (format enclosed as Annexure 2) after passing the bill for completed work, to enable contractor to claim the authorized amount from their bank.
 - g. The acceptable, agreed upon document for payments to be released under the LC shall be the Document of Authorization.
 - h. The Document of Authorization shall be issued by Railway Accounts Office against each bill passed by Railways.
 - i. On issuance of Document of Authorization, a copy of Document of Authorization shall be posted on IREPS for download by the contractor. A digitally signed copy of Document of Authorisation shall also be sent by Railway Accounts Office to Railway's bank (Local SBI Branch).
 - j. The contractor shall take print out of the Document of Authorisation available on IREPS and present his claim to his bank (advising Bank) for necessary payments as per LC terms and conditions. The claim shall comprise of copy of Document of Authorisation, Bill of Exchange and Bill.
 - k. The payment against LC shall be subject to verification from Railway's Bank (Local SBI Branch).
 - l. The contractor's bank (advising bank) shall submit the documents to the Railway's Bank (Local SBI Branch).
 - m. The railway's bank (issuing bank) shall, after verifying the claim so received w.r.t. the digitally signed Document of Authorisation received from Railway Accounts Office, release the payment to contractor's bank (advising bank) for crediting the same to contractor's account.
 - n. Any number of bills can be dealt within one LC, provided the sum total of payments to contractor is within the amount for which LC has been opened.
 - o. The LC shall be closed after the release of final payment including PVC amount, if any, to the contractor.
 - p. The release of Performance Guarantee or Security Deposit shall be dealt directly by railway with the contractor i.e., not through LC.

3.11 SPECIAL CONDITIONS OF CONTRACT FOR MANDATORY UPDATION OF LABOUR DATA ON RAILWAY'S SHRAMIKKALYAN PORTAL BY CONTRACTOR:

- (i) Contractor is to abide by the provisions of Payment of Wages act & Minimum Wages act in terms of clause 54 and 55 of Indian Railways General Condition 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 of Portal shall be done as under
- (ii) 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 on the portal within 7 days of receipt of such request.
- (iii) Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all LOAs issued in his favour.
- (iii) The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoA) /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.
- (iv) 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.

- (v) It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour and payment made thereof after each wage period.
- (ii) While processing payment of any 'On account Bill' or 'Final Bill' or release of 'Advance' or 'Performance Guarantee /Security deposit', contractor shall submit a certificate to the 'Engineer' or 'Engineer's representative' that "I have uploaded the correct details of contract labour 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".

3.12 OTHER CONDITIONS:

1. Before quoting the tenderer should read carefully all the specifications and conditions mentioned in all Annexures of tender document and also in complete tender booklet and certify that he has gone through the tender details and abide by the rules and regulations mentioned in the tender. Tenderer should sign each and every page of the 'Tender' as a token of 'acceptance'. No deviation for the same will be accepted by Railway. Also contractor should visit the site and check the scope of work physically before quoting for this tender.
2. Contractors found using sub-standard un-approved materials shall be, on the spot, stopped from executing further work and suitable action taken to terminate the contract. Particular note of this should be taken and it shall be strictly ensured that only quality work is done.
3. All completed work shall be jointly recorded by contractors with Railways in 'Measurement Books' which will be available with Rly's supervisor. No work, other than those recorded in M.B, will be recognized.
4. Bills shall be submitted in Rly's bill form only. Contractors should keep a proper account of the released materials handed over, with proper acknowledgement from Railway's supervisor and submit the same along with the bills. Design and Drawings :- All design shall be approved by Sr. DEE/TRD/PA or his authorized representative. All drawings/specifications shall be of RDSO/CORE/ICF/RCF/CEE or approved by Sr. DEE/PA. For any approval of drawing/specification, Sr. DEE/TRD/PA to be approached. All equipments, material, LED, Induction lights and other lights etc. should be purchased from the RDSO/CORE/RCF/ICF/CEE approved sources or the sources approved by Sr. DEE/TRD/PA.
5. **Error omission and discrepancies-** The tenderer shall not take advantage of any error due to typing or otherwise, if there is any doubt, that shall be brought to notice of Sr. DEE/TRD/PA without delay and same shall be dealt as per Railway's requirement only and to Railway's advantage only.

3.13 SPECIAL CONDITION OF THE WORK:

1. The correspondence related to this work is to be made with Sr. Divisional Electrical Engineer, TRD, Central Railway, Pune and a copy to consignee/Engineer's representative of this contract.
2. The agency should provide the number of personnel stipulated by the railways and shall arrange replacement as necessary at its own expense. At any time, no post will left un-manned and agency will keep provision of leave reserve to overcome the problem of weekly rest/ absenteeism due to sickness and leave to the employee at its own expenses.
3. Agency shall maintain proper records of all details, registers and such other requirements as contemplated by the provisions of all relevant status which inter alias includes and contract labour, (Regulation & Abolition) act and rules, payment of Wages Act etc. and further shall comply with the statutory provisions thereof in filling returns, submitting forms etc. No liability of whatsoever type will be on the Railways. The agency will be fully responsible to obey all laws prevailing in the Maharashtra, India.
4. The agency will observe all provisions of Employees State Insurance Act 1948 and the Employees Provident Fund Act, 1952 duly amended from time to time and shall pay the

- contribution/ subscription in accordance with the said acts in respect of the employees with the said company engaged by it or care taking personnel.
5. Railways reserve right to add more terms and conditions during contract period if found necessary.
 7. General conditions of the contract of Railway, as amended from time to time are applicable for this contract. In the event of any contradiction being noticed between general conditions of the contract (GCC) and the special conditions of the contract (SCC), the later (i.e SCC) shall prevail.
 8. Contractor has to arrange his own material, tools and staff. The Expenses will be borne by Contractor only.
 9. All material supplied by the Purchaser shall be correctly accounted for and quantities reconciled on completion of the work by the contractor. On completion of work, surplus materials supplied by the purchaser together with the ones found or that have become defective or broken on account of defective materials and /or workmanship shall be returned to him by the contractor.
 10. All released material should be handed over to Railway's store with proper account and acknowledgement.
 11. All materials should be supplied as per specifications. Inspection of material shall be done by the RITEs/ Purchaser's representative at Manufacturer's Place or as deemed to be fit by the purchaser. The acceptable make of material has been attached. However, in other case, the make of the material should be got approved from Railway's competent authority before purchase, by contractor.
 12. All the material to be supplied by the contractor to purchaser and shall be kept in Purchaser's custody at the Railways premises or in the Contractor's Depot.
 13. Successful tenderer must appoint trained staff. They should have proper knowledge to keep the equipment properly intact and well adjusted. All Electrical work shall be carried out as per IE rules & regulations.
 14. Contractor and his service personal should make their own arrangement for travel on Indian Railway, Railway will not provide free traveling facilities to them.
 15. All safety measures shall be taken by the contractor to prevent accident while executing the work. No compensation towards any accident will be paid by Railway.
 16. The firm should provide the identity card to their employees which should be signed by Railway Representative & it should remain available whenever the employee is sent to attend any break down calls. In the case of disputed matters all the decisions taken by Sr. Divisional Electrical Engineer, TR, Pune Central Railway will be final and binding to both the parties in respect of any dispute arising out in the tenure of the work.
 17. Contractor shall take care to the installation so as not to cause any damage to Railway property. Any damage to the installation as well as to the Railway property would be recovered from the contractor.
 18. **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.
 19. The contractor shall employ at least one ITI/Diploma/Graduate Electrical /Mechanical/Electronic Engineer.
 20. Contractor has to depute his every worker/ staff after proper police verification. Contractor has to submit police verification report details of every staff/worker to Engineers representative and Sr.DEE/ TR office.

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21. In case of Contract management is being done through IRWCMS Portal of Indian railway, Contractor must follow all the procedure laid on IRWCMS for contract work i.e contract agreement, bill, variation, etc.
22. **TIME OF COMPLETION :** Time is the essence of the contract. All works included in the contract shall be completed within the period of 02 (Two) Years from the date of issue of acceptance letter, including intervening monsoon period if any.
23. Regarding quality of work, it shall be the full responsibility of contractor to ensure specifications of materials and drawing.
24. All the decision taken by Sr. Divisional Electrical Engineer TR should be binding to both parties in respect of any dispute arising during the tenure of this work.

4.0
PRICES AND PAYMENTS

4.1 SCOPE:

This chapter deals with prices to be paid for the various items of work and other amount payable in accordance with accepted schedule of prices and rates and conditions of payment herein mentioned.

4.2 SCHEDULE OF PRICES:

The Tenderer shall quote his rates in percentage above / below / at par with respect to cost given in the tender and fill up the form given in the tender's schedule of quantities and rates.

4.3 INCIDENTAL CHARGES:

The unit prices are including of loss, wastage, incidental charges for transportation, loading, unloading and handling of materials. It also includes commissioning for arranging dispatch by rail, completing all necessary formalities in this respect, arranging payment of wages collection of railway receipt all insurance premier banker's charges etc.

4.4 OTHER PRICE PAYMENT:

No adjustment in unit price on account of price fluctuation will be permitted on any account.

4.5 PAYMENT TERMS:**1. The payments for this work will be done as follows: -**

The following payment terms shall be applicable subject to certification of work to the satisfaction of consignee: -

Payment of service engineer visit will be given as per following formula:

* Payment for Optional items	=	For operation of the all optional/mandatary items under Sch A Part II, Sch B Part I& II, Sch C item1, must need the prior approval of Sr. DEE/TR/PA.
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Unlimited breakdown visits are covered under the scope of work & explanatory note for each tower wagon which is included under the scope of Servicing and maintenance. Therefore, NO extra payment shall be given for breakdown/emergency visits.

2. Payment as per Schedule items is given below:

Schedule		On account		Final
Item No.	Unit	Payment	Progress payment	payment
Sch A Part I: Maintenance Activities for Cummins Make Diesel Engine-All the annexures mentioned in various items are attached herewith, same may be referred.				
1	Per Trip	-----	100%	-----
2	Set	-----	95%	5%
3	Set	-----	95%	5%
4	Set	-----	95%	5%
5	Set	-----	95%	5%
6	Set	-----	95%	5%
7	Set	-----	95%	5%
8	Set	-----	95%	5%
9	Set	-----	95%	5%

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10	Nos.	-----	100%	-----
11	Nos.	-----	100%	-----
12	Set	-----	95%	5%
13	Set	-----	95%	5%
Schedule A Part II- Optional Activities for cummins make diesel engine				
1	Set	-----	95% *	5% *
2	Set	-----	95% *	5% *
3	Nos.	-----	95% *	5% *
4	Nos.	-----	95% *	5% *
5	Nos.	-----	95% *	5% *
6	Set	-----	95% *	5% *
Schedule B Part I -Mandatory Schedule Activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system				
1	Per Trip	-----	100%*	-----
2	Set	-----	95%*	5%*
3	Set	-----	95%*	5%*
4	Set	-----	95%*	5%*
5	Set	-----	95%*	5%*
6	Set	-----	95%*	5%*
7	Nos.	-----	100% *	-----
8	Nos.	-----	100% *	-----
9	Nos.	-----	100% *	-----
10	Nos.	-----	100% *	-----
11	Nos.	-----	100% *	-----
Schedule B Part II -Optional activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system				
1	Set		95% *	5% *
2	Set	-----	95% *	5% *
3	Set	-----	95% *	5% *
4	Numbers	-----	100% *	-----
5	Numbers	-----	100% *	-----
6	Numbers	-----	95% *	5% *
7	Numbers	-----	95% *	5% *
8	Set	-----	95% *	5% *
9	Set	-----	95% *	5% *
10	Set	-----	95% *	5% *
11	Set	-----	95% *	5% *
12	Set	-----	95% *	5% *
13	Lumpsum	-----	100% *	-----
Schedule C : Optional Spares other than Schedule A & B				
1	Set	-----	95% *	5% *

Following documents should be needed for payment: -

- a) Certificate for successful & complete repair/maintenance/Servicing/B,C, D check of the engine/ other part/spare part/ equipment as per the said tender work, jointly signed by the Railway's and the firm's authorized representative.
- b) Certificate of repair/maintenance/Servicing//B,C, D check work done have been entered in the Maintenance Register with register folio numbers and jointly signed by the Railway's and the firm's authorized representative.
- c) Test Certificate/ /B,C, D-Check certificate jointly signed by the Railway's and the firm's authorized representative for satisfactory working of the engine/ other part/spare part/ equipment as per the said tender work after maintenance.
- d) Certificate for return of released materials after replacement of the spare parts if any to the Railway.
- e) for payment of optional and mandatory items under Sch A Part II, Sch B Part I & II, Sch C item1, firm must submitted documents related to operation of these items. These documents cover Justification for operating all items duly forwarded by concern tower wagon in-charge and Consignee through ADEE along with prior approval of Sr. DEE/TR/PA. along with Documents mentioned under para 4.5.2 a,b,c,d.
- f) Detailed entry in the measurement book.

3. All the above payments will be subject to completion of all formalities such as submission of performance guarantee, power of attorney, signing the contract agreement, MB entries by Engineer's representative with certification of "Measurements checked and found correct" and submission of other required documents i.e. WCT, original challans –2 sets (one for Engineer's representative and one for bill passing authority) with remark of Engineer's representative "Material received in good condition" and its accounted in ledger, Warranty/guarantee certificate, No claim certificate, Certificate of labour appointed for a work, certificate of released material, certificate of water/electricity usage if any, completion certificate, Inspection report, extension if any – if delay from contractor, reason should be given, Letter of material approval and footnote certificate of schedule etc.
4. The contractor shall submit along with the Bill Measurement Book duly filled in by all Railway authorities and contractor, Joint inspection report, certified records of the work carried out, Copy of proof of payment of wages to the labour appointed by contractor and any other documentary proof required by Railway authorities.
5. **The Contractor will prepare the bill in triplicate and will present to the Office of Sr.DEE/TR/Pune along with the prescribed documents certified by the supervisor of the respective offices.**
6. On the basis of the records, the Measurements shall be signed by the engineer representative or any other supervisor nominated for this work by Sr. DEE/TR/Pune after verifying the quantum of work executed.
7. The Payment shall be made by Sr. DFM CR Pune through EFT only.
8. The statutory deductions shall be made from the Bill. Security Deposit shall be recovered @ 6% of the gross bill amount till full SD is recovered.
9. If any penalty is applicable the same shall be recovered from the running bills or from the Security Deposit.
10. If the Performance Guarantee is submitted in the form of BOND legal charges shall be applicable and shall be recovered from the monthly bills.

4.2

PAYING AUTHORITY:

1. Work carried out in Pune Division shall be verified by the respective electrical maintenance section incharge and certified by Railways authorized Representative and such certification of work shall be forwarded to Senior Divisional Electrical Engineer(TR), Pune. Measurements shall be recorded by the nominated supervisor of Pune Division. Test checks are to be exercise by

ADEE(TR), Pune division. Bills shall be submitted to Senior Divisional Electrical Engineer, TR, Pune.

2. The Senior Divisional Finance Manager, Central Railway, Pune shall make the payment against the bills duly verified and passed by the Senior Divisional Electrical Engineer, Central Railway, Pune.

4.3

REFUND OF SECURITY DEPOSIT:

Security deposit shall be returned to the contractor after expiry of guarantee/ warantee period of the work as certified by the competent Authority and on submission of Final Completion Certificate and submission of No Claim Certificate from the Railways authorized representative after the execution period of one years is over.

The Competent Authority shall normally be the authority who is competent to sign the contract. If this Competent Authority is the rank lower than JA Grade, Then a JA Grade Officer (concerned with the work) should issue the certificate. The certificate, inter alias, should mention that the work has been completed in all respects and that all the contractual obligations have been fulfilled by the contractors and that there is no due from the contractor to Railways against the contract concerned. Before releasing the SD, an unconditional and unequivocal no claim certificate from the contractor concerned should be obtained.

4.4 TAXES :

- (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.
- (a)(v) *Contractor shall be liable to pay/refund the amount collected as GST to the Indian Railways along with interest and penalties, if any imposed by the authorities, in case GST input tax credit of Indian Railways is denied/rejected by the tax authorities due to reasons mentioned below but not limited to:*
 - Wrong/incorrect invoice s is sued by Contractor;*
 - No-filing of GST returns;*
 - Non-payment of GST collected from Indian Railways to the authorities;*
 - Any other non-compliance done by Contractor;*

General Indemnity: Contractor hereby agrees to indemnify and hold harmless the Indian Railways from and against any and all losses, including loss on account of Input Tax Credit and all losses incurred by the Indian Railways relating to or arising out of or in connection with any actual or threatened claim, legal action, proceedings, prosecution or inquiry by or against the

Indian Railways arising out, directly or indirectly, of failure by the contractor to comply with the provisions of GST and related laws, or based upon or arising from any failure by the Contractor.

Retention Money: Any payment liable to be paid by Indian Railways to contractor against the goods or services or both supplied by such contractor to Indian Railways shall be kept on hold in case supplier makes any non-compliance of any of the GST law provisions including non-reporting of invoices in GST returns. Such payment shall be released after proper verification of records and availability of ITC to Indian Railways as per provisions of GST Law.

- (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.

Rates to be quoted by the contractor shall be inclusive of excise duty, sales tax and all other duties and levies, however present rates applicable shall be advised to Railway. In case of octroi the Railway can issue necessary certificate for octroi exemption but it will not be binding on Railway if same is not accepted by octroi authorities and in case of sales tax Railway can issue confessional tax AF/D form.

All rates quoted in the tender shall be deemed to be inclusive of all taxes, royalties payable by the contractors to the Government or public body or local authority and no additional amount will be paid or claim entertained on this account by the Railway. Contractor shall not have any claim whatsoever, as a result of the increase in the rates for such royalties, taxes, duties or any other forms of levies etc.

4.5 The Conservancy cess charges have been revised w.e.f. 01.06.2006, vide Railway board's letter No. F(X) I/95/1/1 dtd. 31.05.2006 or latest. The same will be recovered from the contractor's bill payment.

4.6 The payment to the contractor will be made through EFT only. Contractor will have to submit the required details of bank account for the same to Sr. Divisional Finance Manager, C.R. Pune.

4.7 MEASUREMENTS :

- a) Payments for field work shall be made in accordance with the sch quantity/ approved qty, executed work/ qty measured in relevant units, except where provided or otherwise. In case the dimensions of the work are more than sch quantity/ approved qty, executed work/ qty, the contractor will not be entitled to any extra payment unless the dimensions are increased on account of physical impossibility of carrying out the work in accordance with the sch quantity/ approved qty, executed work, subject to approval by the purchaser before execution. In case the dimensions of work are less than those shown in the the sch quantity/ approved qty, executed work and the work is accepted without being rejected, payment will be made as per work actually done.
- b) The measurement will be made generally in accordance with standard engineering practice land in conformity with the explanatory notes for schedule of tender.

4.8 PENALTY:

- 1. In case of violation of service level instructions given in explanatory notes of chapter-5 in this tender documents, penalty of Rs. 2000/- per day will be imposed and deducted from the bills. Part of a day will be counted as full day. However total penalty put together shall be subjected

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to conditions of GCC April-2022 with latest correction slip and as decided by competent authority.

2. In case of breakdown of engine/tower wagon equipment's, the firm will depute their service engineer within a period of three hours after receiving information by phone call/email/Fax letter etc. otherwise a penalty of Rs. 2500/- per day per engine/tower wagon equipment's will be imposed. Part of a day will be counted as full day.
3. For carrying out this preventive maintenance, Railway will inform to the firm in advance regarding the location of tower wagon. After receiving the call, preventive maintenance should be done within 7 days, failing which penalty of Rs. 1000/- per day per engine shall be imposed.
4. **Penalty for delay in rectification of failure:** -Penalty of Rs.500/- per day for not attending failure within 48 hrs during warranty period.
5. As per GCC April 2022(with latest correction slip) clause no. 17.
6. In addition to above penalties, in case of any deficiency in service or execution of work, if required, Sr. DEE(TR) Pune may deduct penalty of suitable amount.
7. The decision of Sr. DEE/TR/Pune regarding the assessment of penalty to be imposed on the contractor shall be final and binding on the contractor.

4.9ENGINEER'S REPRESENTATIVE:

For this work **railways authorized representative nominated by Sr.DEE/TR/PA** is Engineer's representative.

4.10 PAYMENTS FOR SURPLUS MATERIALS

DELETED

1. FINAL SETTLEMENT

On expiry of the guarantee period and issue of the certificate of final acceptance of the entire installations, the security deposit will be refunded or Bank Guarantee released to the Contractor after adjustment of any dues payable by the Contractor.

2. IRWCMS Portal:

In case of Contract management is being done through IRWCMS Portal of Indian railway, or as per guidelines of railway board or competent authority, Contractor must follow all the procedure laid on IRWCMS for contract work i.e contract agreement, bill, variation, etc .

5.0
EXPLANATORY NOTES OF
TENDER SCHEDULE

5.0 EXPLANATORY NOTES OF TENDER SCHEDULE

Tender No: PUNE_Elect_TRD_2025_23R1.

Name of work: Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division.

5.1 SCOPE OF WORK:

The above work is related to Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division as per explanatory notes given below for each schedule items, scope of work and conditions and as per IE rules with required accessories and direction of engineer incharge.

5.2 GENERAL

1. The tenderer has to carry out the work with his own labour, tools, tackles and materials.
2. Tenderer has to follow the minimum wages act and other labour act are in force time to time. He should be responsible for paying the wages to labour as per Government's minimum wages rates issued time to time.
3. Tenderer have to ensure "Life Insurance" to his labour/employee under Prime Minister's scheme.
4. Tenderer has to issue the identity card to each and every employee deputed by him indicating the name address and photograph and the details of it to be submitted to Railway administration on the prescribed per format.
5. All material supplied by the Purchaser shall be correctly accounted for and quantities reconciled on completion of the work by the contractor. On completion of work, surplus materials supplied by the purchaser together with the ones found or that have become defective or broken on account of defective materials and /or workmanship shall be returned to him by the contractor.
6. All released material should be handed over to Railway's store with proper account.
7. All materials should be supplied as per specifications of OEM. Inspection of material shall be done by the Purchaser's representative at Manufacturer's Place or as deemed to be fit by the purchaser or Railway representative.
8. All the material to be supplied by the contractor to purchaser and shall be kept in Purchaser's custody at the Railways premises or in the Contractor's Depot.
9. Wherever not specified, Tenderer should note that they must supply the fasteners, clips, nuts and bolts, etc. required to erect the equipment, machines and other related Electrical items.
10. Subject work is to be carried out in Pune Division. Unless and otherwise specified all the material/equipments transportation, loading, unloading, etc charges at Railways sites/store/depot are to be borne by tenderer.

5.3 Particular for Schedule: -

Schedule-A Part I, "Maintenance Activities for Cummins Make Diesel Engine-All the annexures mentioned in various items are attached herewith, same may be referred".

Item No.1. Service Visit per day for maintenance visits (other than D-Check) of diesel engines (for all engine model)

The price shall include visit of service engineer for 'B', 'C' checks of tower wagons, visit of service engineer in per trip to carry out inspections, repairs, adjustments & checks of each tower wagon covered under the scope of contract.

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Breakdown/emergency visits as and when required by Railways, maintenance of alternators, respective starters of engines of all tower wagons covered under the scope of contract, provision of all consumable items, maintenance items, coolant additives, dismantling of spares covered under schedule of this contract along with transportation & commissioning of new spare at site as and when required by Railways, need based repairs of all tower wagons and its fittings, accessories, electrical items & connections including supply of spares, which are not covered under "Schedule of items" of tender document. Following are need based replacements including supply of spares:

- Gaskets including cylinder head gaskets.
- Oil seals.
- Belts (Fan + Water pump + Charging alternator + Coach Charger & Compressor)
- Hoses (Air system + Cooling system + Lube oil system + Fuel system)
- Engine instrument panel gauges/Meters/Cables/Spring loaded, harness wiring, temperature & pressure sensors, manually operated switches & transducer(s).
- Safety controls (Water temperature + Lube oil pressure + Engine oil temperature).

The spares to be supplied /used shall be procured from the original manufacturer of the engine/spare or authorized distributor/dealer thereof only and successful tenderer shall produce original invoice in this regard.

Following are need based repair items:

- Water pump
- Hydraulic pump
- Fuel pump
- Air compressor
- Turbocharger
- Air Cooler
- Hydraulic Motor
- Radiators and its fan
- Accessory drive
- Self starter
- Charging alternator
- Injectors
- PT pumps

Apart from above, during trip visit, preventive maintenance will be carried out as mentioned below:

- General inspection and maintenance as mentioned below:
- Check & ensure engine oil level.
- Drain sediment from fuel tank.
- Clean pre-cleaner dust span.
- Check air cleaner restriction, clean/change element, if required.
- Check & ensure coolant level.
- Drain air tank.
- Check & correct leaks.
- Drain fuel filter/water separator.
- Check & ensure oil level of marine gear and raw water pump.
- Check belts, adjust if required.
- Visit to carry out frequent 'B' & 'C' checks as per schedule of work.
- During each trip visit, service engineer should carry out 'A' check in addition to the check which is due at the time of visit.
- Maintenance of charging alternator, starter assembly and other engine attachments in 6th, 12th, 18th & 24th month.
- Contractor will maintain an inventory of spare parts, tools, equipment and consumables. Copy of same shall be handed over/sent through e-mail to Work In-charge from railways after updating the inventory in a timely manner.

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Any breakdown in the engine, supply of consumables including engine instruments panel gauges, meters and switches, replacement of spares (as mentioned above)/sub-assemblies & minor spares will have to be attended by the tenderer as and when required.

The item includes attending unlimited breakdown calls during Servicing and maintenance period. No extra payment shall be given for attending the breakdown/failure/emergency calls to the contractor by Railways. It is not necessary that breakdown calls will be made at the stabling point of tower wagon.

Service levels for reporting at site against breakdown calls:

- Lead time for reporting at site will be within 24 Hrs.

However, in case of violation of above service level instructions, penalty of **Rs. 2000/-** per day will be imposed and deducted from the bills. Part of a day will be counted as full day. However total penalty put together shall be subjected to conditions of GCC April 2022 and as decided by competent authority.

Engine Availability:

Guaranteed cumulative engine availability would be 95% measured on half yearly basis. The method of calculation will be as follows:

$$\text{Availability}\% = \frac{\text{Total Hours (Schedule Maintenance Hours+Breakdown Hours)}}{\text{Total Hours}} \times 100$$

Total Hours

Total hours shall be considered as calendar hours in month i.e. 24 Hours× No. of Days in the month.

For guaranteed availability of engine going below 95%, liquidated damages @0.5% of the monthly value of Servicing and maintenance charges payable per 1% down from committed availability.

Guarantee of replaced mandatory or optional spare(s) will hold good as per Guarantee clause of tender document.

In case of breakdown of engine accessories, the firm will depute their service engineer within stipulated hours as per table given below, after receiving information phone call/fax/letter etc., otherwise a penalty of **Rs. 2500/-** per day per engine shall be imposed and deducted from the bills. Part of a day will be counted as full day.

Service levels for reporting at site against breakdown calls will be as follows:

Category	Distance	Lead time for reporting
A	< 50Km radius	Within 3 hours

During execution of work any damage(s) to railway property will be borne by the contractor.

Contractor shall keep following breakdown spares ready at TRD Workshop Pune at any point of time so that breakdown can be attended at the earliest. Qty shall be decided on the basis of failure analysis of last 03 years & will be intimated by concern SSE in-charge. No extra payment shall be given for these items:

1. Fuel Solenoid
2. High water safety, switch
3. Lube oil safety, switch
4. Hour meter
5. Starting solenoid
6. Oil pressure, sensor & gauge
7. Temperature sensor & gauge
8. Fuel non return valve

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and hydraulic oil, *Transmission Oil* & Lubricating oil will be supplied by Rly.

Item No.2. B-Check Material VTA1710L (As per annexure-A)

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This item includes supply and commissioning of complete 'B' check kit, which includes lube oil filters, lube oil filter 'O' rings, fuel filters, fuel filter 'O' rings, bypass filters, bypass filter 'O' rings, inhibitor corrosion and strip test. Steps to be carried out during 'B' check are as follows:

Activities during B check of Engine (service charges of following activities is included in Sch A part I, item No.1)

B Check maintenance will be carried out at 300 hours or 6 months whichever is earlier. Scope of B check will be as per Manufacturer's standard recommended practice. Activities to be carried out in B Check include the following.

i) Air system

- a) Check & ensure condition of element for chocking / torn sealing.
- b) Check & ensure condition of Pre-Cleaner.
- c) Check & ensure and change Air cleaner element if required.
- d) Check & ensure condition of air hose.
- e) Check and clean breather.
- f) Inspect exhaust line and rectify leakage, if any.

ii) Fuel system

- a) Drain sediment from fuel tank.
- b) Change fuel filter.
- c) Check hose condition: fuel supply & drain line.
- d) Inspect fuel system

iii) Lubricating system

- a) Change lube oil filters.
- b) Change lube oil.
- c) Change super by pass filters.
- d) Check & ensure Lube Oil Pressure (LOP) Gauge.
- e) Check & ensure Lube Oil Temperature (LOT) Gauge if applicable.
- f) Check the filter for any metal particles due to wear and tear of any part inside engine.
- g) Change Governor Oil if applicable.

iv) Cooling system

- a) Check & ensure coolant pH value.
- b) Check & ensure coolant concentration,
- c) Check and ensure proper Cleaning of Breather.
- d) Check & ensure the condition of Coolant Temp. Gauge
- e) Check & ensure Radiator inlet & outlet coolant temperature difference.

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and hydraulic oil, *Transmission Oil* & Lubricating oil will be supplied by Rly.

For carrying out this preventive maintenance, Railway will inform to the firm in advance regarding the location of tower wagon. After receiving the call, preventive maintenance should be done within 7 days, failing which penalty of **Rs. 1000/-** per day per engine shall be imposed.

Tower has to be given fit on the same day.

Item No.3. C-Check Material VTA1710L (As per annexure-A)

This item includes supply and commissioning of complete 'C' check materials as per Annexure A.

Activities during C check of Engine (service charges of following activities is included in Sch A part I, item No.1)

It includes all the items covered under the scope of 'B' check. In addition to 'B' check, steps to be carried out during 'C' check are as follows:

C Check maintenance will be carried out at 1500 hours or 1 Year whichever is earlier. Scope of C check will be as per

Manufacturer's standard recommended practice. Activities to be carried out in C Check includes the following in addition to the activities covered under B-Check.

- a) Replacement of air filter (inner & outer).
- b) Carry out tappet setting and replace tappet cover gasket.
- c) Check condition of accessories drive, Turbo charger and crankshaft end play.
- d) Take blow by on full load as per manufacturer's guidelines.

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and *hydraulic oil, Transmission Oil & Lubricating oil* will be supplied by Rly.

For carrying out this preventive maintenance, Railway will inform to the firm in advance regarding the location of tower wagon. After receiving the call, preventive maintenance should be done within 7 days, failing which penalty of Rs. 1000/- per day per engine shall be imposed.

Tower has to be given fit within the two days.

Item No.4. D-Check Mandatory Material VTA1710L (As per Annexure-A1)

This item includes supply and commissioning of complete 'D' check, which includes all the items covered under the scope of 'C' check. In addition to 'C' check, steps to be carried out during 'D' check are as follows:

Activities during D check of Engine

D Check maintenance will be carried out at 6000 hours or 2 Years whichever is earlier. Scope of D check will be as per

Manufacturer's standard recommended practice. Activities to be carried out in D Check includes the following in addition to the activities covered under C-Check.

- a) Reconditioning of PT Fuel Pump
- b) Reconditioning of Recon Injectors
- c) Reconditioning of Recon Turbochargers
- d) Reconditioning of Recon Water Pump
- e) Reconditioning of Recon Cylinder head (on condition basis)
- f) Descaling of cooling system and Change of coolant
- g) Replacement of Tappet Cover Gaskets etc. and all other items as per D Check Maintenance Schedule.
- h) Replacement of hoses and belts as required on condition basis.

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and *hydraulic oil, Transmission Oil & Lubricating oil* will be supplied by Rly.

Item No.5. B-Check Material 855 (As per Annexure-B)

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This item includes supply and commissioning of complete 'B' check kit, which includes lube oil filters, lube oil filter 'O' rings, fuel filters, fuel filter 'O' rings, bypass filters, bypass filter 'O' rings, inhibitor corrosion and strip test. Steps to be carried out during 'B' check are as follows:

Activities during B check of Engine (service charges of following activities is included in Sch A part I, item No.1)

B Check maintenance will be carried out at 300 hours or 6 months whichever is earlier. Scope of B check will be as per

Manufacturer's standard recommended practice. Activities to be carried out in B Check include the following.

i) Air system

- a) Check & ensure condition of element for chocking / torn sealing.
- b) Check & ensure condition of Pre-Cleaner.
- c) Check & ensure and change Air cleaner element if required.
- d) Check & ensure condition of air hose.
- e) Check and clean breather.
- f) Inspect exhaust line and rectify leakage, if any.

ii) Fuel system

- a) Drain sediment from fuel tank.
- b) Change fuel filter.
- c) Check hose condition: fuel supply & drain line.
- d) Inspect fuel system

iii) Lubricating system

- a) Change lube oil filters.
- b) Change lube oil.
- c) Change super by pass filters.
- d) Check & ensure Lube Oil Pressure (LOP) Gauge.
- e) Check & ensure Lube Oil Temperature (LOT) Gauge if applicable.
- f) Check the filter for any metal particles due to wear and tear of any part inside engine.
- g) Change Governor Oil if applicable.

iv) Cooling system

- a) Check & ensure coolant pH value.
- b) Check & ensure coolant concentration,
- c) Check and ensure proper Cleaning of Breather.
- d) Check & ensure the condition of Coolant Temp. Gauge
- e) Check & ensure Radiator inlet & outlet coolant temperature difference.

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and hydraulic oil, *Transmission Oil* & Lubricating oil will be supplied by Rly.

For carrying out this preventive maintenance, Railway will inform to the firm in advance regarding the location of tower wagon. After receiving the call, preventive maintenance should be done within 7 days, failing which penalty of **Rs. 1000/-** per day per engine shall be imposed.

Item No.6. C-Check Material 855 PTL (As per Annexure-B)

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Item No.7. C-Check Material 855 DETC (As per Annexure-B)

This item includes supply and commissioning of complete 'C' check materials as per annexures B. It includes all the items covered under the scope of 'B' check. In addition to 'B' check, steps to be carried out during 'C' check are as follows:

Activities during C check of Engine (service charges of following activities is included in Sch A part I, item No.1)

It includes all the items covered under the scope of 'B' check. In addition to 'B' check, steps to be carried out during 'C' check are as follows:

C Check maintenance will be carried out at 1500 hours or 1 Year whichever is earlier. Scope of C check will be as per Manufacturer's standard recommended practice. Activities to be carried out in C Check includes the following in addition to the activities covered under B-Check.

- a) Replacement of air filter (inner & outer).
- b) Carry out tappet setting and replace tappet cover gasket.
- c) Check condition of accessories drive, Turbo charger and crankshaft end play.
- d) Take blow by on full load as per manufacturer's guidelines.

NOTE: Coolant have to be provided by Firm/Contractor at his own cost and hydraulic oil, *Transmission Oil* & Lubricating oil will be supplied by Rly.

For carrying out this preventive maintenance, Railway will inform to the firm in advance regarding the location of tower wagon. After receiving the call, preventive maintenance should be done within 7 days, failing which penalty of Rs. 1000/- per day per engine shall be imposed.

Tower has to be given fit within the two days.

Item No.8. D-Check Mandatory Material 855 PTL (As per annexure-C)

&

Item No.9. D-Check Mandatory Material 855 DETC (As per annexure-C)

This item includes supply and commissioning of complete 'D' check, which includes all the items covered under the scope of 'C' check. In addition to 'C' check, steps to be carried out during 'D' check are as follows:

Activities during D check of Engine

D Check maintenance will be carried out at 6000 hours or 2 Years whichever is earlier. Scope of D check will be as per

Manufacturer's standard recommended practice. Activities to be carried out in D Check includes the following in addition to the activities covered under C-Check.

- a) Reconditioning of PT Fuel Pump
- b) Reconditioning of Recon Injectors
- c) Reconditioning of Recon Turbochargers
- d) Reconditioning of Recon Water Pump
- e) Reconditioning of Recon Cylinder head (on condition basis)
- f) Descaling of cooling system and Change of coolant
- g) Replacement of Tappet Cover Gaskets etc. and all other items as per D Check Maintenance Schedule.
- h) Replacement of hoses and belts as required on condition basis.

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NOTE: Coolant have to be provided by Firm/Contractor at his own cost and hydraulic oil, *Transmission Oil* & Lubricating oil will be supplied by Rly.

Item No.10. D-Check Labour (for all engine models)

For the above-mentioned D-checks for various tower wagons, the price shall cover labour charges for mentioned activities to be carried out during each maintenance of D check it also includes transportation charges of any item / equipment of tower wagon for carrying out D-check.

Item No.11. Flushing of Cooling System with the Ready wash& recharging of Cooling system with Premix Coolant -(all engine models)

The price shall cover for Flushing of Cooling System with the Ready wash & recharging of Cooling system with Premix Coolant -(all engine models).

NOTE: Coolant have to be provided by Firm/Contractor at his own cost.

Item No.12. Supply of set of belts for air compressor, water pump and battery charging alternator VTA1710L (As per annexure-D)

The price shall cover for Supply of set of belts for air compressor, water pump and battery charging alternator VTA1710L (As per annexure D)

Item No.13. Supply of set of belts for water pump and battery charging alternator 855 (As per Annexure-D)

The price shall cover for Supply of set of belts for water pump and battery charging alternator 855-DHTC, PTL (As per annexure D)

Schedule-A Part II Optional Activities for Cummins make diesel engine**Item No.1 D-Check Optional Materials VTA1710L (Annexure E)**

&

Item No.2 D-Check Optional Materials 855 DETC (Annexure E)

For operation of the above-mentioned items under Sch A Part II, **item No.1-2**, to be used shall need the prior approval of Sr DEE/TR/PA. Joint inspection shall be done by concerned SSE and firm's representative and the joint inspection report shall be submitted by SSE/TRD and/or ADEE/TR for approval of Sr DEE (TR)PA.

Item No.3 Supply of Radiator P/N 3878624 for VTA1710-L Engine Model of DETC

&

Item No.4 Supply of Radiator P/N 4399120 for NTA- 855-R Engine Model of DETC

&

Item No.5 Supply of Radiator P/N 2885542 for NTA- 855-R Engine Model of PTL

The price shall cover replacement of defective Radiator for Engine Model from new one. After replacement, defective radiator must be handed over to railway representative.

For operation of the above-mentioned items under Sch A Part II, **item No.4-7**, to be used shall need the prior approval of Sr DEE/TR/PA. Joint inspection shall be done by concerned SSE and firms representative and the joint inspection report shall be submitted by SSE/TRD and/or ADEE/TR for approval of Sr DEE (TR)PA.

Item No.6 Supply of Emergency Spares for Engine of all Tower Wagon (Annexure Q)

The price shall cover Supply of Emergency Spares for Engine of all Tower Wagon as per Annexure Q.

Schedule-B Part I Mandatory Schedule Activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system.

For operation of the all items under Sch B Part I, must need the prior approval of Sr. DEE/TR/PA.

Justification for operating all items under Sch B Part I should be duly forwarded by concern tower wagon in-charge and Consignee through ADEE.

Item No.1: Service Visit per day for monthly maintenance and other scheduled visits for all other components of equipment other than main diesel engine

The price shall cover for following activities to be carried out in maintenance period.

i) Transmission (DHTC, DETC, PTL)

- a) Transmission oil level checking & topping up if required
- b) Attend/ Minor leakages of oil & air (if Any).
- c) Check& ensure Actuating Cylinder for proper functioning.
- d) No load Trial of Transmission and check parameters
- e) Replacement of Luboil (Supplied by Rly) and filters of Transmission if due for replacement
- f) Check & replace damaged hoses if any.
- g) Cleaning of strainer/filter.
- h) Cleaning of Breather baffles
- i) Check & adjust (If Required) of Hydraulic Transmission safety controls.
- J) Hydraulic Transmission Magnetic plug inspection for bearing & metal particles appearances.

ii) Axle Drive (DHTC, DETC, PTL)

- a) Check & ensure Axle drive oil level & topping up if require.
- b) Attend Minor leakages of oil & air (if Any).
- c) Cleaning of Breather baffles
- d) Check& ensure functioning of plunger pump.
- e) Check torque reaction rod for tightness.
- iii) ELECTRICAL SYSTEM: Coach Charger, Rectifier Assembly(DHTC, DETC), Electrical Control Panel, Cab1 & Cab2 Dash Board (DHTC, DETC, PTL)

- a) Inspection of Driver Desktop for proper functioning of all types of gauges, indications, alarms etc.
- b) Visual inspection of dropper resistance, load control module, excitation module.
- c) Visual inspection of rectifier assembly, fuses.
- d) Inspection & verification of functioning of coach & engine battery charger
- e) Check operator log book
- f) Inspection & adjustment of oil safety control, water safety control, fuel solenoid, valve.
- g) Inspection of all wiring lugs for tightness.
- h) Visual inspection of control cables & power cables.

iv) Hydraulic System (DHTC, DETC, PTL)

- a) Check of Hydraulic Tank oil Level & topping of if required.
- b) Check Hydraulic hoses & joints for leakages and attend Minor leakages.
- c) External cleaning of Hydraulic oil cooler by pressurized air.
- d) Cleaning of Hydraulic system strainer / filter.

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- e) Check & replace of crack & damage all type of hoses.
- f) Check Hydraulic Pump, Hydraulic Motor for proper functioning.

v) Electro Pneumatic System (DHTC, DETC, PTL)

- a) Drain Water from Air reservoir.
- b) Checking & adjustment of NR Valve.
- c) Inspection & adjustment of Air safety valve.
- d) Inspection & adjustment of Air pressure switches
- e) External cleaning by pressurized air of air cooler.
- f) Inspection & replacement of all cracked & damage all type of hoses with taflone washers.
- g) Inspection & adjustment of Air pressure regulator gauge.
- h) Inspection & adjustment solenoid valve, Pressure switches, Magnetic Coil.

vi) Servicing & Inspection of Batteries (All)

- a) Visual Inspection of Batteries for Cracks, Bulge and Leakages of electrolyte.
- b) Top Up of distill water as per requirement.
- c) Check and clean sulfaction as per required
- d) Check lugs and terminals for proper tightness.
- e) Check Specific gravity with the help of Hydrometer.

This item shall be operated on need basis only.

Item No.2 : Supply of Hydraulic Hoses (DETC – VTA1710L) as per (Annexure F)

The price shall cover for Supply of Hydraulic Hoses (DETC – VTA1710L) as per (Annexure F).

Item No.3 : Supply of Hydraulic Hoses (PTL) as per (Annexure F)

The price shall cover for Supply of Hydraulic Hoses (PTL) as per (Annexure F)

Item No.4 : Supply of Hydraulic Hoses (DETC -NTA- 855-R) as per (Annexure F)

The price shall cover for Supply of Hydraulic Hoses (DETC -NTA- 855-R) as per (Annexure F)

Item No.5 : Supply of Pneumatic Hoses (DETCVTA1710L) as per (Annexure G)

The price shall cover for Supply of Pneumatic Hoses (DETCVTA1710L) as per (Annexure G)

Item No.6 : Supply of Pneumatic Hoses (DETC, PTL – 855) as per (Annexure G)

The price shall cover for Supply of Pneumatic Hoses (DETC, DHTC, PTL – 855) as per (Annexure G)

Item No.7 : Servicing & Repairing of Air Cooler, Line Contactor / Reversal Pneumatic Cylinders. (DETC & PTL With VT & 855)

Price shall cover for following activities.

- a) Removal of components from Tower Wagon
- b) Shifting to Service Center for acid cleaning
- c) Dismantling and Inspection at service center
- d) Replacement of rubber parts
- e) Descaling with chemical treatment
- f) External & Internal Cleaning
- g) Assembly & Painting
- h) Installation on Tower Wagon
- i) Trial & confirmation of proper working

Note : This items includes all the visit charges, engineer/supervisor/mechanic/labour charges, transportation charges etc required to execute the above schedule.

Item No.8: Minor Maintenance and detailed inspection of electro-pneumatic control System for shift mechanism, solenoids, valves, cylinders and control equipment. (excluding Material.) (PTL, DETC) (visit per tower wagon)

Price shall cover for following activities.

- a) Inspect & Adjustment of Reverse / Forward switch
- b) Check & ensure electrical connection tightness.
- c) Inspect & Adjustment of Speed range selector switch
- d) Check and Adjust Solenoid valves and pressure switch as per requirement
- e) Check and Adjust Pneumatic connections of Solenoid valves and pressure switch as per requirement
- f) Check and Adjust Pneumatic cylinder (Reverse and speed range) proper functioning
- g) Check all Pneumatic hoses for proper flow & restriction

Note : This items includes all the visit charges, engineer/supervisor/mechanic/labour charges, transportation charges etc required to execute the above schedule.

Item No.09: Minor Maintenance and detail inspection of electrical control wiring System of engine control with control panel accessories repairs, including relays and contactors of all tower wagon. (Excluding speedometer recorder) (DETC, PTL) Visit per Tower wagon

The price shall cover for Minor Maintenance and detail inspection of electrical control wiring System of engine control with control panel accessories repairs, including relays and contactors of all tower wagon. (Excluding speedometer recorder) (DETC, PTL).

Note : This items includes all the visit charges, engineer/supervisor/mechanic/labour charges, transportation charges etc required to execute the above schedule.

Item No.10: Servicing & minor Maintenance of Hydraulic transmission (PTL)

Price shall cover for following activities.

- a) Drain Transmission Oil and check for abnormalities
- b) Clean Transmission Externally
- c) Replace Transmission Filter
- d) Clean Breather & Strainer
- e) Check& ensure Functioning of sensors.
- f) Check hoses for proper tightness, oil seepages & replace if required
- g) Fill Lube oil in Transmission (to be supplied by Railway) & conduct trial

Note : This items includes all the visit charges, engineer/supervisor/mechanic/labour charges, transportation charges etc required to execute the above schedule.

Item No.11: Servicing & Repairing of Hydraulic system including cleaning of Hydraulic Tank, Servicing of Hydraulic Oil cooler and fan drive Motors, Limit Switch, hydraulic tank oil low level indicator (LHOL) (DETC, VTA, PTL) Visit Per Tower wagon

Price shall cover for following activities.

- a) Repetition of inspection as per Monthly checks.
- b) Complete cleaning of Hydraulic system & strainer for dirt accumulation with through water service.
- c) Health check of fan drive motors by inspection by removing end covers of motors to establish actual health.
- d) Replacement of faulty hoses, electrical spares, seals, gaskets.
- e) Trial & confirmation of proper working.

Note : This items includes all the visit charges, engineer/supervisor/mechanic/labour charges, transportation charges etc required to execute the above schedule.

Schedule-B Part II: Optional activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system.

For operation of the all items under Sch B Part II, to be used shall need the prior approval of Sr DEE/TR/PA. Joint inspection shall be done by concerned SSE and firms representative and the joint inspection report shall be submitted by SSE/TRD and/or ADEE/TR for approval of Sr DEE (TR)PA.

Item No.1: Supply of Electrical & Pneumatic spares (DETC) VTA1710L as per (Annexure H)

The price shall cover for Supply of Electrical & Pneumatic spares (DETC) VTA1710L as per (Annexure H)

Item No.2: Supply of Electrical & Pneumatic spares (PTL) NTA855R as per (Annexure J)

The price shall cover for Supply of Electrical & Pneumatic spares (PTL) NTA855R as per (Annexure J)

Item No.3: Supply of Electrical & Pneumatic spares (DETC- 855) NTA855R as per (Annexure K)

The price shall cover for Supply of Electrical & Pneumatic spares (DETC- 855) NTA855R as per (Annexure K)

Item No.4: Servicing & Minor Maintenance of Axle Drive (PTL)

- Price shall cover for following activities.
- Check Axle drive oil level & topping up if require.
- Attend Minor leakages of oil & air (if Any).
- Cleaning of Breather baffles
- Check functioning of plunger pump.
- Check torque reaction rod for tightness.

Item No.5: Servicing & maintenance of Propeller Shaft. (PTL)

- Price shall cover for following activities.
- Remove propeller shaft from Tower Wagon
- Check condition of bearings and replace if required
- Check condition of cross and replace if required
- Carry out greasing of propeller shaft bearings

Installation on Tower wagon and take trial and check performance

Item No.6: Servicing & maintenance of 425 KW BHEL/CGL Make Main Alternator if required. (Optional) DETC Servicing & maintenance of KEL Make (as per (Annexure L)

Price shall cover for following activities.

- Removal of Alternator from Tower Wagon
- Shifting to Service Center
- Dismantling and Inspection at service center
- Rewinding of Main Stator or main rotor Assembly
- Removal of Burnt/defective Winding
- Cleaning of slots of Main Stater
- Apply varnish on main stator
- Rewinding with H class insulation

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- Varnishing
- Baking
- Gel coating
- Balancing
- Assembly at Service center
- Alignment & trial on site.

Item No.7: Auxiliary alternator if required (110 V) (Optional) (DETC)

The price shall cover supply of new Auxiliary alternator (110 V). Replacement of defective Auxiliary Alternator After replacement, defective Auxiliary alternator must be handed over to railway representative.

Item No.8: Servicing of Lifting platform – DHTC/PTL (as per (Annexure M)

The price shall cover for following activity and supply/Replacement of material as per annexure M

- Repetition of inspection as per monthly checks.
- Complete cleaning of hydraulic power Pack tank and strainer for dirt accumulation with through water service.
- Health check of lifting platform by inspection of few critical components to establish actual health wear and tear.
- Replacement of faulty hoses, electrical spares, seals, gasket.
- Trial and confirmation of proper working.
-

Item No.09: 7.5 KVA DG Set Half Yearly Servicing DETC/PTL as per (Annexure N)

The price shall cover for 7.5 KVA DG Set Half Yearly Servicing DETC/PTL as per (Annexure N).

The scope of work covers comprehensive service maintenance of both preventive as well as break down of Diesel Engine and alternator set along with starter, motor, battery sets, DG sets power panels as well as all other accessories attached to DG sets including all materials

The contractor is required to provide all required material as well as manpower for the comprehensive maintenance of complete DG sets. It also covers repairs or replacement of any components/parts deemed to be defective to ensure efficient, reliable and safe work by DG set.

Item No.10: 7.5 KVA DG Set Yearly Servicing DETC /PTL as per (Annexure N)

The price shall cover for 7.5 KVA DG Set Yearly Servicing DETC/PTL as per (Annexure N).

The scope of work covers comprehensive service maintenance of both preventive as well as break down of Diesel Engine and alternator set along with starter, motor, battery sets, DG sets power panels as well as all other accessories attached to DG sets including all materials

The contractor is required to provide all required material as well as manpower for the comprehensive maintenance of complete DG sets. It also covers repairs or replacement of any components/parts deemed to be defective to ensure efficient, reliable and safe work by DG set.

Item No.11: Required Emergency Electrical, Electro pneumatic Spares for all Tower Wagons (Annexure O)

The price shall cover for supply of Required Emergency Electrical, Electro pneumatic Spares for all Tower Wagons as per (Annexure O)

Item No.12: Required Traction Motor Emergency Spares for all Tower Wagons (Annexure P)

The price shall cover for supply of Required Traction Motor Emergency Spares for all Tower Wagons as per (Annexure P)

Item No.13: Transportation Charges (4 times Per Year/Quarterly)

Price shall cover for Transportation Charges (4 times Per Year/ Quarterly) on need basis. It includes

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transportation of heavy/Major equipment such as Engine, DG set, Alternator etc. from Railway site to firm premises and back. It also includes loading and unloading of such items required for transportation.

Schedule-C Item No.1 Optional Spares other than Schedule-A & B for all Tower Wagons (Annexure R)

The price shall cover for supply of Optional Spares other than Schedule-A & B for all Tower Wagons as per (Annexure R)

Important Note:- All equipment, materials, spare parts to be replaced and to be used for repair, maintenance, must be OEM make.

6.0
SCHEDULE OF QUANTITY
AND
RATES

6.0 SCHEDULE OF QUANTITY AND RATES

Name of Work: Comprehensive Annual Maintenance Contract of various types of Cummins make diesel engines of Tower Wagons including 'B', 'C' & 'D' checks for a period of two years in TRD unit of Pune Division.

T.No. PUNE_Elect_TRD_2025_13R1.

Sr. No.	Description	Unit	Quantity	Unit rate in INR	Total cost in INR
Schedule-A Part I	Maintenance Activities for Cummins Make Diesel Engine-All the annexures mentioned in various items are attached herewith, same may be referred.				
1	Service Visit per day for maintenance visits (other than D-Check) of diesel engines(for all engine model)	Per Trip	172	19284.33	3,316,904.76
2	B-Check Material VTA1710L (As per annexure -A)	Set	3	7564.80	22,694.40
3	C-Check Material VTA1710L (As per annexure- A)	Set	1	29270.26	29,270.26
4	D-Check Mandatory Material VTA1710L (As per annexure-A1)	Set	1	1023341.14	1,023,341.14
5	B-Check Material 855(As per annexure B)	Set	45	4297.81	193,401.45
6	C-Check Material 855 PTL (Annexure B)	Set	1	31521.49	31,521.49
7	C-Check Material 855 DETC (Annexure B)	Set	14	119760.69	1,676,649.66
8	D-Check Mandatory Material 855 PTL (Annexure C)	Set	1	942407.81	942,407.81
9	D-Check Mandatory Material 855 DETC (Annexure C)	Set	9	1034625.62	9,311,630.58
10	D-Check Labour (for all engine models)	Nos.	12	94062.58	1,128,750.96
11	Flushing of Cooling System with the Radiwash & recharging of Cooling system with Premix Coolant - (all engine models)	Nos.	16	87066.12	1,393,057.92
12	Supply of set of belts for air compressor, water pump and battery charging alternator VTA1710L – DETC (Annexure D)	Set	1	26249.28	26,249.28
13	Supply of set of belts for water pump and battery charging alternator 855 – , PTL (Annexure D)	Set	15	8427.49	126,412.35
	Total cost of Schedule 'A' Part I			0	19,222,292.06

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Schedule- A Part II	Optional Activities for cummins make diesel engine				
1	D-Check Optional Materials VTA1710L (Annexure E)	Set	1	2483204.97	2,483,204.97
2	D-Check Optional Materials 855 DETC(Annexure E)	Set	1	1201936.03	1,201,936.03
3	Supply of Radiator P/N 3878624 for VTA1710-L Engine Model of DETC	Nos.	1	928683.04	928,683.04
4	Supply of Radiator P/N 4399120 for NTA-855-R Engine Model of DETC	Nos.	1	2589489.77	2,589,489.77
5	Supply of Radiator P/N 2885542 for NTA- 855-R Engine Model of PTL	Nos.	1	899198.00	899,198.00
6	Supply of Emergency Spares for Engine of all Tower Wagon (Annexure Q)	Set	1	5733590.21	5,733,590.21
	Total cost of Schedule 'A' Part I				13,836,102.02
	Overall Total cost of Schedule 'A' Part I and Part II				33,058,394.08
Schedule B- Part I	Mandatory Schedule Activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system				
1	Service Visit per day for monthly maintenance and other scheduled visits for all other components of equipment other than main diesel engine	Per Trip	172	27009.78	4,645,682.16
2	Supply of Hydraulic Hoses (DETC – VTA1710L) as per (Annexure F)	Set	1	283101.94	283,101.94
3	Supply of Hydraulic Hoses (PTL) as per (Annexure F)	Set	1	189611.98	189,611.98
4	Supply of Hydraulic Hoses (DETC - NTA- 855-R) as per (Annexure F)	Set	4	413452.20	1,653,808.80
5	Supply of Pneumatic Hoses (DETC VTA1710L) as per (Annexure G)	Set	1	188618.21	188,618.21
6	Supply of Pneumatic Hoses (DETC, PTL – 855)as per (Annexure G)	Set	8	209777.72	1,678,221.76
7	Servicing & Repairing of Air Cooler, Line Contactor / Reversal Pneumatic Cylinders. (DETC & PTL With VT & 855)	Numbers	9	62250.72	560,256.48

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8	Minor Maintenance and detailed inspection of electro-pneumatic control System for shift mechanism, solenoids, valves, cylinders and control equipment. (excluding Material.) (PTL, DETC) (visit per tower wagon)	Numbers	9	52029.12	468,262.08
9	Minor Maintenance and detail inspection of electrical control wiring System of engine control with control panel accessories repairs, including relays and contactors of all tower wagon. (Excluding speedometer recorder) (DETC, PTL) Visit per Tower wagon	Numbers	9	52029.12	468,262.08
10	Servicing & minor Maintenance of Hydraulic transmission (PTL)	Numbers	1	31080.80	31,080.80
11	Servicing & Repairing of Hydraulic system including cleaning of Hydraulic Tank, Servicing of Hydraulic Oil cooler and fan drive Motors, Limit Switch, hydraulic tankoil low level indicator (LHOL) (DETC,VTA, PTL) Visit Per Tower wagon	Numbers	9	83001.76	747,015.84
	Total cost of Schedule 'B' Part I				10,913,922.13
Schedule B- Part II	Optional activities for other major components like pneumatic, electro-pneumatic, electrical control system and hydraulic system				
1	Supply of Electrical & Pneumatic spares (DETC) VTA1710L as per (Annexure H)	Set	1	349997.74	349,997.74
2	Supply of Electrical & Pneumatic spares (PTL) NTA855R as per (Annexure J)	Set	1	435843.61	435,843.61
3	Supply of Electrical & Pneumatic spares (DETC- 855) NTA855R as per (Annexure K)	Set	2	514799.93	1,029,599.86
4	Servicing & Minor Maintenance of Axle Drive (PTL)	Numbers	1	24238.26	24,238.26

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5	Servicing & maintenance of Propeller Shaft. (PTL)	Numbers	2	24238.26	48,476.52
6	Servicing & maintenance of 425 KW BHEL/CGL Make Main Alternator if required. (Optional) DETC Servicing & maintenance of KEL Make (as per (Annexure L)	Numbers	1	566346.39	566,346.39
7	Auxiliary alternator if required (110 V) (Optional) (DETC)	Numbers	1	32364.33	32,364.33
8	Servicing of Lifting platform – DETC/PTL (as per (Annexure M)	Set	9	323723.18	2,913,508.62
9	7.5 KVA DG Set Half Yearly Servicing DETC/PTL as per (Annexure N)	Set	9	11800.43	106,203.87
10	7.5 KVA DG Set Yearly Servicing DETC//PTL as per (Annexure N)	Set	9	28355.90	255,203.10
11	Required Emergency Electrical, Electropneumatic Spares for all Tower Wagons (Annexure O)	Set	1	2201885.61	2,201,885.61
12	Required Traction Motor Emergency Spares for all Tower Wagons (Annexure P)	Set	1	285356.32	285,356.32
13	Transportation Charges (4 times Per Year/Quarterly)	Lumpsum	60	9709.20	582,552.00
	Total cost of Schedule 'B' Part II				8,831,576.23
	Overall Total cost of Schedule 'B', Part I and Part II				19,745,498.36
Schedule C-	Optional Spares other than Schedule A & B				
1	Optional Spares other than Schedule-A & B for all Tower Wagons (Annexure R)	Set	1	285356.32	285,356.32
	Overall Total cost of Schedule 'C'				285,356.32
	Overall Total cost (Schedule 'A' + Schedule 'B' + Schedule 'C') with GST in INR				53,089,248.76

Annexure-A

"B" Check Spares of VTA 1710 L					
Element	Part No.	Description	Qty in Nos	Rate Each	Extended Rate (With GST)
B-Check VTA 1710 L	3238515	B CHECK KIT V/VT/VTA	1	7680.883123	7680
"C" Check Spares of VTA 1710 L					
C-Check VTA 1710 L	3238515	B CHECK KIT V/VT/VTA	1	7680.883123	7680.883123
	3077198	GASKET,ROCKER LEVER COVER	4	744.3408388	2977.363355
	4055279	ELEMENT,AIR CLEANER	2	2260.593851	4521.187702
	4055280	ELEMENT,AIR CLEANER	2	7268.131039	14536.26208
		Grand Total			29716

Annexure A1

D-Check Mandatory Spares of VTA1710 L					
Sr.No	Part No.	Description	Qty in Nos	Rate Each	Extended Rate (With GST)
1	3077198	GASKET,ROCKER LEVER COVER	4	719.35	2877.38
2	3302180	GASKET,BREATHER	2	422.18	844.35
3	3545661	KIT,TURBO REPAIR 4LG	2	14948.97	29897.95
4	3803697	SET,UPPER ENGINE GASKET	1	102894.09	102894.09
5	3872813	INDICATOR,RESTRICTION	2	473.50	947.00
6	3875534	NUT,LOCK	1	69.38	69.38
7	3878925	PIECE	6	6570.04	39420.26
8	4055279	ELEMENT,AIR CLEANER	2	2184.69	4369.37
9	4055280	ELEMENT,AIR CLEANER	2	7024.11	14048.21
10	43828C	CLAMP,HOSE	4	60.69	242.77
11	43828D	CLAMP,HOSE	4	58.26	233.02
12	43828F	CLAMP,HOSE	4	121.84	487.38
13	63223	HOSE,PLAIN	2	1416.45	2832.91
14	AK6030SS	HOSE,FLEXIBLE	3	1858.84	5576.53
15	AK6036SS	HOSE,FLEXIBLE	1	1982.97	1982.97
16	KIT3238515	B CHECK KIT V/VT/VTA	1	8052.06	8052.06
17	KIT3880582	CYLINDER HEAD REPAIR KIT	6	22814.97	136889.81
18	KITBM68 356	GASKET GOVERNOR SET	1	3934.59	3934.59
19	S16052	BEARING,BALL	1	435.57	435.57
20	S16073	BEARING,BALL	1	794.16	794.16
21	178456	BELT,V	1	971.22	971.22
22	RO3054258	RECONDITIONED INJECTOR	12	24913.42	298961.08

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23	3040377	BELT,V	2	1322.99	2645.97
24	195952	SEAL,O RING	4	62.55	250.21
25	3003354	BEARING,ROLLER	2	9193.76	18387.53
26	3003353	SEAL,OIL	2	6550.95	13101.90
27	172723	GASKET,LUB OIL CLR HSG	1	78.57	78.57
28	102030	SEAL,O RING	1	13.28	13.28
29	102996	GASKET,GOVERNOR HOUSING	3	197.56	592.69
30	106339	SEAL,OIL	1	2852.23	2852.23
31	111504	RING,RETAINING	1	2999.67	2999.67
32	123078	GASKET,WATER PUMP	1	49.42	49.42
33	126333	SEAL,O RING	1	40.74	40.74
34	135675	THERMOSTAT	2	2461.10	4922.20
35	140332	CLAMP,T BOLT	4	241.73	966.92
36	146483	SCREEN,FILTER	1	277.25	277.25
37	165430	PISTON AIR COMPRESSOR	1	1305.04	1305.04
38	167157	BALL,CHECK	12	258.09	3097.10
39	173086	GASKET,INJECTOR	12	19.31	231.71
40	174299	RETAINER,SCREEN	12	11.07	132.85
41	185112	BEARING,BALL	2	10602.76	21205.52
42	186780	SEAL,THERMOSTAT	2	537.93	1075.86
43	193736	SEAL,O RING	21	83.23	1747.76
44	201048	GASKET,CONNECTION	2	30.96	61.93
45	203426	PIN,ROLL	12	220.84	2650.12
46	203850	UNION,MALE	1	760.17	760.17
47	216487	GASKET,CONNECTION	2	739.36	1478.72
48	2870386	HOSE,FLEXIBLE	2	1419.61	2839.23
49	2880039	GASKET,EXH OUT ONNECTION	4	555.67	2222.70
50	3010617	SEAL,O RING	4	689.16	2756.62
51	3033215	GASKET,THERMOSTAT HOUSING	1	37.37	37.37
52	3042542	SEAL,O RING	1	500.32	500.32
53	3042889	SCREW,CAPTIVE WASHER CAP	6	620.53	3723.18
54	3066914	SEAL,O RING	1	97.50	97.50
55	RO32417 93KD729	RECONDITIONED PUMP FUEL	1	82032.48	82032.48
56	RO4072621	WATER PUMP V28 RECON	1	41033.48	41033.48
57	3069103	GASKET,FUEL PUMP	1	194.95	194.95
58	AK16036SS	HOSE,FLEXIBLE	1	4023.68	4023.68
59	AK16030SS	HOSE,FLEXIBLE	1	3999.46	3999.46
60	AK5040SS	HOSE,FLEXIBLE	2	1592.16	3184.31
61	AK6045SS	HOSE,FLEXIBLE	2	2309.49	4618.99
62	AK4040SS	HOSE,FLEXIBLE	2	1740.22	3480.45
63	AK8075SS	HOSE,FLEXIBLE	1	3715.43	3715.43
64	154087	SEAL,RECTANGULAR RING	2	17.37	34.73
65	3030790	HOSE,HUMP	1	860.52	860.52

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66	3030514	HOSE,ELBOW	2	2418.43	4836.87
67	125741	CLAMP,T BOLT	4	318.62	1274.48
68	140314	CLAMP,T BOLT	4	286.72	1146.87
69	3026832	HOSE,FLEXIBLE	2	3119.52	6239.05
70	3081053	HOSE,PLAIN	2	3805.90	7611.80
71	255180	BREATHER,CRANKCASE	2	3045.71	6091.43
72	AK10035SS	HOSE,FLEXIBLE	1	2853.98	2853.98
73	AK10050 SS	HOSE,FLEXIBLE	1	3054.72	3054.72
74	AK8060SS	HOSE,FLEXIBLE	1	2991.08	2991.08
75	AK6025SS	HOSE,FLEXIBLE	1	1479.07	1479.07
76	AK6050MS	HOSE,FLEXIBLE	1	2297.82	2297.82
77	3030768	HOSE,HUMP	1	1099.33	1099.33
78	3627206	CLAMP,T BOLT	2	468.83	937.65
79	3030778	HOSE,ELBOW	1	9844.30	9844.30
80	AK6075SS	HOSE,FLEXIBLE	1	3255.52	3255.52
81	3240239	HEAD GASKET SET (KIT3240293)	1	86868.17	86868.17
		Grand Total			1038925

Annexure-B

B Check Spares of (NTA855 R DHTC & NTA855 PTL)

Element	Part No.	Description	Qty.	Rate Each	Extended Rate (With GST)
B Check Spares - NTA855	3238528	B CHECK KIT NT/NTA	1	4363.26	4363.26

C Check Spares of (NTA855 PTL)

C Check Spares of (NTA855 PTL)	3238528	B CHECK KIT NT/NTA	1	4363.26	4363.257
	3077198	GASKET,ROCKER LEVER COVER	3	744.34	2233.023
	4926654	INHIBITOR, CORROSION 10L	1	5852.94	5852.945
	3403800	FOIL SEALED TEST STRIPS CC2602B	1	495.38	495.381
	3237742	ELEMENT,AIR CLEANER	1	5096.78	5096.778
	3872336	ELEMENT,AIR CLEANER	1	13960.13	13960.127
		Grand Total			32001.510

C Check Spares of (NTA855 DETC)

C Check Spares of (NTA855 DETC)-	3238528	B CHECK KIT NT/NTA	1	7008.01	7008.009
	3067459	GASKET,ROCKER LEVER COVER	3	5840.13	17520.389
	3237742	ELEMENT,AIR CLEANER	1	5096.78	5096.778
	3872336	ELEMENT,AIR CLEANER	1	13960.13	13960.127
	4926654	INHIBITOR, CORROSION 10L	1	5852.94	5852.945
	3403800	FOIL SEALED TEST STRIPS CC2602B	1	495.38	495.378
	4396431	Element Hydraulic oil	1	60666.22	60666.215
	A062F623	Booster Filter Hydraulic oil	1	10984.62	10984.619
					121584.46

Annexure C-PTL					
D-Check Mandatory Spares of PTL/Mark IV					
Sr No	Part No	Description	QTY	Rate Each	Extended Rate (With GST)
1	3238528	B CHECK KIT NT/NTA	1	7008.01	7008.01
2	3067459	GASKET,ROCKER LEVER COVER	3	5840.13	17520.39
3	3237742	ELEMENT,AIR CLEANER	1	5096.78	5096.78
4	3872336	ELEMENT,AIR CLEANER	1	13960.13	13960.13
5	4055279	ELEMENT,AIR CLEANER	0	0.00	0.00
6	4055280	ELEMENT,AIR CLEANER	0	0.00	0.00
7	4396431	Element Hydraulic oil	0	0.00	0.00
8	A062F623	Booster Filter Hydraulic oil	0	0.00	0.00
9	4398716	Filter Element for Trolley	0	0.00	0.00
10	4024946	UPPER ENGINE GASKET SET	1	57646.57	57646.57
11	4026171	GASKET,FUEL PUMP	1	1817.08	1817.08
12	165006	SCREW,HEXAGON HEAD CAP	12	385.06	4620.74
13	3751948	SEAL,O RING	1	1067.02	1067.02
14	195952	SEAL,O RING	4	111.55	446.19
15	3032348	GASKET,WTR TRF CNNECTION	1	214.57	214.57
16	215044	GASKET,WTR TRF CONNECTION	1	379.78	379.78
17	216486	GASKET,AFT HOUSING	2	3005.33	6010.65
18	184236	GASKET,AIR COMPRESSOR	1	1622.96	1622.96
19	193736	SEAL,O RING	18	145.95	2627.12
20	154087	SEAL,RECTANGULAR RING	1	32.27	32.27
21	154088	SEAL,RECTANGULAR RING	1	55.21	55.21
22	70295	PLUG,PIPE	1	125.40	125.40
23	3167224	INHIBITOR,CORROSION 205 LITERS	1	25630.20	25630.20
24	206576	GASKET,TURBOCHARGER	1	864.82	864.82
25	AK 6024SS	HOSE,FLEXIBLE	1	3053.35	3053.35
26	43828A	CLAMP,HOSE	4	214.69	858.77
27	3071160	HOSE,PLAIN	1	5863.20	5863.20
28	AK 5012SS	HOSE,FLEXIBLE	1	2218.08	2218.08
29	3008017	GASKET,OIL COOLER SUPPORT	1	311.48	311.48
30	3007759	SEAL,O RING	2	69.97	139.94
31	217302	HOSE,PLAIN	2	1950.70	3901.40
32	3235704	HOSE,PLAIN	2	878.21	1756.42
33	3024960	GASKET,CONNECTION	1	56.20	56.20
34	201048	GASKET,CONNECTION	1	57.41	57.41
35	3872812	INDICATOR,RESTRICTION	1	2746.01	2746.01
36	3076522	GASKET,WATER PUMP	1	1890.95	1890.95
37	3046420	Push Rod Valve	12	3790.17	45482.07

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38	3046430	Push Rod Injector	6	6167.53	37005.16
39	3030038	Cross Head	12	11491.96	137903.57
40	3056155	Stud	4	2913.70	11654.80
41	3056158	Nut	4	1673.18	6692.71
42	186780	SEAL,THERMOSTAT	1	997.36	997.36
43	43463A	SEAL,O RING	1	187.27	187.27
44	201049	GASKET,CONNECTION	1	50.22	50.22
45	208128	GASKET,THERMOSTAT HOUSING	1	76.46	76.46
46	43828A	CLAMP,HOSE	4	214.69	858.77
47	3030514	HOSE,ELBOW	1	4549.15	4549.15
48	AX1013508	RADIWASH 5 LITERS	2	9275.11	18550.23
49	3231787	SEPARATOR,FUEL WATER	1	14804.90	14804.90
A	Installation Spares				448411.74
1	KITBM68356	GASKET GOVERNOR SET	1	7326.29	7326.29
2	100192	SHAFT,FUEL PUMP DRIVE	1	3272.47	3272.47
3	3879346	GOVERNOR BARREL & PLUNGER	1	13707.59	13707.59
4	3030970	DISC,VALVE	1	1457.58	1457.58
5	BM28848	DRIVE TACHOMETER	1	5057.58	5057.58
6	3005752	WEIGHT CARRIER	1	21348.21	21348.21
7	3046200	SPIDER,JAW COUPLING	1	113.51	113.51
B	PT Pump Repairs				52283.23
1	KIT3238195	KIT,INJ BARREL PLUNGER	6	32666.00	195996.00
2	167157	BALL,CHECK	6	511.35	3068.09
3	3045000	PLUG,INJECTOR ORIFICE	6	278.87	1673.19
4	193736	SEAL,O RING	18	145.95	2627.12
5	3012536	CUP,INJECTOR	6	5013.54	30081.21
C	Injector Repairs				233445.61
1	3575236	KIT,TURBOCHARGER REPAIR	1	52609.36	52609.36
2	3523980	SLINGER,OIL	1	8132.86	8132.86
3	3751240	RING,THRUST	2	5979.55	11959.11
D	Turbocharger Repairs				72701.33
1	KIT3880582	CYLINDER HEAD REPAIR KIT	3	49972.43	149917.29
E	Cylinder head Repairs				149917.29
		A+B+C+D+E			956759.20

Annexure C-DETC

D-Check Mandatory Spares of 855 DETC					
Sr No	Part No	Description	QTY	Rate Each	Extended Rate (With GST)
1	3238528	B CHECK KIT NT/NTA	1	7008.01	7008.01

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2	3067459	GASKET,ROCKER LEVER COVER	3	5840.13	17520.39
3	3237742	ELEMENT,AIR CLEANER	1	5096.78	5096.78
4	3872336	ELEMENT,AIR CLEANER	1	13960.13	13960.13
5	4055279	ELEMENT,AIR CLEANER	0	0.00	0.00
6	4055280	ELEMENT,AIR CLEANER	0	0.00	0.00
7	4396431	Element Hydraulic oil	1	60666.21	60666.21
8	A062F623	Booster Filter Hydraulic oil	1	10984.62	10984.62
9	4398716	Filter Element for Trolley	1	21971.44	21971.44
10	4024946	UPPER ENGINE GASKET SET	1	57646.57	57646.57
11	4026171	GASKET,FUEL PUMP	1	1817.08	1817.08
12	165006	SCREW,HEXAGON HEAD CAP	12	385.06	4620.74
13	3751948	SEAL,O RING	1	1067.02	1067.02
14	195952	SEAL,O RING	4	111.55	446.19
15	3032348	GASKET,WTR TRF CONNECTION	1	214.57	214.57
16	215044	GASKET,WTR TRF CONNECTION	1	379.78	379.78
17	216486	GASKET,AFT HOUSING	2	3005.33	6010.65
18	184236	GASKET,AIR COMPRESSOR	1	1622.96	1622.96
19	193736	SEAL,O RING	18	145.95	2627.12
20	154087	SEAL,RECTANGULAR RING	1	32.27	32.27
21	154088	SEAL,RECTANGULAR RING	1	55.21	55.21
22	70295	PLUG,PIPE	1	125.40	125.40
23	3167224	INHIBITOR,CORROSION 205 LITERS	1	25630.20	25630.20
24	206576	GASKET,TURBOCHARGER	1	864.82	864.82
25	AK 6024 SS	HOSE,FLEXIBLE	1	3053.35	3053.35
26	43828 A	CLAMP,HOSE	4	214.69	858.77
27	3071160	HOSE,PLAIN	1	5863.20	5863.20
28	AK 5012 SS	HOSE,FLEXIBLE	1	2218.08	2218.08
29	3008017	GASKET,OIL COOLER SUPPORT	1	311.48	311.48
30	3007759	SEAL,O RING	2	69.97	139.94
31	217302	HOSE,PLAIN	2	1950.70	3901.40
32	3235704	HOSE,PLAIN	2	878.21	1756.42
33	3024960	GASKET,CONNECTION	1	56.20	56.20
34	201048	GASKET,CONNECTION	1	57.41	57.41
35	3872812	INDICATOR,RESTRICTIO N	1	2746.01	2746.01
36	3076522	GASKET,WATER PUMP	1	1890.95	1890.95
37	3046420	Push Rod Valve	12	3790.17	45482.07
38	3046430	Push Rod Injector	6	6167.53	37005.16
39	3030038	Cross Head	12	11491.96	137903.57
40	3056155	Stud	4	2913.70	11654.80
41	3056158	Nut	4	1673.18	6692.71
42	186780	SEAL,THERMOSTAT	1	997.36	997.36
43	43463 A	SEAL,O RING	1	187.27	187.27

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44	201049	GASKET,CONNECTION	1	50.22	50.22
45	208128	GASKET,THERMOSTAT HOUSING	1	76.46	76.46
46	43828 A	CLAMP,HOSE	4	214.69	858.77
47	3030514	HOSE,ELBOW	1	4549.15	4549.15
48	AX1013 508	RADIWASH 5 LITERS	2	9275.11	18550.23
49	3231787	SEPARATOR,FUEL WATER	1	14804.90	14804.90
A	Installation Spares				542034.01
1	KITBM6 8356	GASKET GOVERNOR SET	1	7326.29	7326.29
2	100192	SHAFT,FUEL PUMP DRIVE	1	3272.47	3272.47
3	3879346	GOVERNOR BARREL & PLUNGER	1	13707.59	13707.59
4	3030970	DISC,VALVE	1	1457.58	1457.58
5	BM2884 8	DRIVE TACHOMETER	1	5057.58	5057.58
6	3005752	WEIGHT CARRIER	1	21348.21	21348.21
7	3046200	SPIDER,JAW COUPLING	1	113.51	113.51
B	PT Pump Repairs				52283.23
1	KIT3238 195	KIT,INJ BARREL PLUNGER	6	32666.00	195996.00
2	167157	BALL,CHECK	6	511.35	3068.09
3	3045000	PLUG,INJECTOR ORIFICE	6	278.87	1673.19
4	193736	SEAL,O RING	18	145.95	2627.12
5	3012536	CUP,INJECTOR	6	5013.54	30081.21
C	Injector Repairs				233445.61
1	3575236	KIT,TURBOCHARGER REPAIR	1	52609.36	52609.36
2	3523980	SLINGER,OIL	1	8132.86	8132.86
3	3751240	RING,THRUST	2	5979.55	11959.11
D	Turbocharger Repairs				72701.33
1	KIT3880 582	CYLINDER HEAD REPAIR KIT	3	49972.43	149917.29
E	Cylinder head Repairs				149917.29
A+B+C+D+E					1050381.34

Annexure D

**Set of belts for water pump and battery charging alternator
VTA1710L**

0	Part No	Description	QTY	Rate Each	Extended Rate (With GST)
1	3040377	BELT,V	2	1368.94	2737.88
2	178456	BELT,V	1	1004.956411	1004.96
3	C110	V Belt Compressor	2	3712.979519	7425.96
4	C120	V Belt Charging Alternator (110V)	4	3870.057742	15480.23
		ToTal			26649.02

NT-855 R					
Sr No	Part No	Description	QTY	Rate Each	Extended Rate (With GST)
5	5413187	WP Belt	1	6716.76	6716.76
6	504867	Alternator Belt	1	1839.074491	1839.07
					8555.83

Annexure E

D-Check Optional Materials NTA 855 PTL/DHTC					
Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	3264349	PUMP,WATER AND IDLER	1	74948.14361	74948.14
2	4078515	MOTOR,STARTING	1	254987.5545	254987.55
		Optional Spares			329935.70

D-Check Optional Materials NTA855 DETC					
Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	3264349	PUMP,WATER AND IDLER	1	74948.14361	74948.14
2	4078515	MOTOR,STARTING	1	254987.5545	254987.55
3	3881226	COMPRESSOR,AIR	1	225107.3687	225107.37
4	3816939	ALTERNATOR	1	54389.03753	54389.04
5	3167062	AMPLIFIER,POWER	1	682972.2247	682972.22
		Optional Spares			1292404.33

D-Check Optional Spares of VTA1710 L					
Sr. No.	Part No.	Part Description	Qty in Nos	Rate Each	Extended Rate (With GST)
1	3879579	PUMP,WATER AND IDLER	1	119111.7031	119111.70
2	3636821	MOTOR,STARTING	1	123279.9576	123279.96
3	3236504	ALTERNATOR	1	30178.16035	30178.16
4	3167062	AMPLIFIER,POWER	1	331567.0533	331567.05
5	3167063	CONTROL,GOVERNOR	1	637114.0722	637114.07
6	3875875	ACTUATOR	1	486326.8441	486326.84
7	3179049	RADIATOR FAN	1	384014.0493	384014.05
8	3392006	Hydraulic Pump	1	266582.5589	266582.56
9	3230038	Hydraulic Fan Drive Motor	1	291938.4707	291938.47
		Grand Total			2670112.87

Annexure-Q**Required Emergency Engine Spares for all Tower Wagons**

Sr. No	Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	Recomnded Parts of Engine Parts	3803125	TURBOCHARGER	1	489407.7	489407.73
2		206576	GASKET,TURBOCHARGER	1	807.086	807.09
3		3056158	NUT,HEXAGON FLANGE	1	1561.486	1561.49
4		3874152	VALVE, CHECK	1	2177.547	2177.55
5		3874153	VALVE, CHECK	1	2087.6	2087.60
6		4105942	TUBE,FUEL SUPPLY	1	1556.111	1556.11
7		4105936	TUBE,FUEL DRAIN	1	1289.611	1289.61
8		4105940	TUBE,FUEL SUPPLY	1	1475.292	1475.29
9		3392006	Hydraulic Pump	1	277924.7	277924.74
10		3230038	Hydraulic Fan Drive Motor	1	304359.5	304359.46
11		3392916	PUMP,HYDRAULIC	1	903702.2	903702.20
12		32.26	Festo Cylinder 32.26	1	28876.65	28876.65
13		32.13	Festo Cylinder 32.13	1	26924.32	26924.32
14		32.17	Festo Cylinder 32.17	1	55049.63	55049.63
15		1/5/2008	VALVE MHF-5-1/8	1	63586.62	63586.62
16		24/42	SOLENOID COIL MSFG 24/42	1	17958.43	17958.43
17		EI32- 07	FORWARD-REVERSE SWITCH	1	35215.79	35215.79
18		EI-32- 02-AC	ENGINE START STOP SWITCH	1	18280.85	18280.85
19	EI-32- 03-AA-107		RANGE SELECTOR SWITCH	1	19937.37	19937.37
20	EI-32- 03-AA-0108		HEAD LIGHT SWITCH	1	19493.66	19493.66
21	EI-32- 08-AA- 0105		THROTTLE SWITCH	1	35215.79	35215.79
22		11029	SOLENOID VALVE - SINGLE	1	18013.44	18013.44
23		11030	SOLENOID VALVE-DOUBLE	1	38232.43	38232.43
24		11031	SENSOR WITH TRANSMITTER	1	11832.27	11832.27
25		3034222	GEAR PUMP (PT PUMP)	1	80420.97	80420.97
26		3007630	MUTC UNIT (SOLENOIDS)	1	399160.3	399160.31
27		3179049	RADIATOR FAN	1	400352.5	400352.54
28		4055107	FUEL TRANSFER PUMP	1	86673.88	86673.88
29		4055108	VALVE,FUEL SHUTOFF	1	4885.247	4885.25
30		80001157	TRANSMISSION HYDRAULIC PUMP	1	472198.1	472198.09
31		80001461	TRANSMISSION HYDRAULIC FILTER ELEMENT	1	31234.23	31234.23

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32		80001460	TRANSMISSION HYDRAULIC FILTER ELEMENT ASSY	1	6945.542	6945.54
33		6776610	PLATE EXTERNAL SPLINE	1	7007.659	7007.66
34		80001401	PLATE INTERNAL SPILINE	1	29758.15	29758.15
35		4P20	HYDRAULIC PUMP FOR FAN DRIVE	1	298622.2	298622.19
36		MRT918I	Speedometer for PTL (Laxven)	1	600857.4	600857.36
37		AX1012900	BATTERY PULSE ULTRA LITE, 12 V, 32 Ah	1	12466.41	12466.41
38		AX1015648	RACOR DUAL FLT FUNNEL COND-L	1	19029.62	19029.62
39		5277216	Starter Protection Unit	1	36036.99	36036.99
40		3816981	205 Ltr Coolant	5	130853.5	654267.51
41		AX1014933	55 ltr Coolant	20	32513.4	650267.95
						6165150.76

Annexure F					
Hydraulic Hoses of (DETC , PTL)					
DETC With VTA-1710-L					
S.NO.	PART NO.	DESCRIPTION.	QTY	Rate Each	Extended Rate (With GST)
1	TSS- 001050	HOSE,FLEXIBLE	4	7707.63	30830.52
2	TSS- 002010	HOSE,FLEXIBLE	4	8116.13	32464.52
3	TSS- 003015	HOSE,FLEXIBLE	4	10024.07	40096.30
4	TSS- 004016	HOSE,FLEXIBLE	4	4208.55	16834.22
5	TSS-005020	HOSE,FLEXIBLE	4	3196.23	12784.92
6	TSS- 006000	HOSE,FLEXIBLE	4	12083.27	48333.10
7	TSS-007890	HOSE,FLEXIBLE	4	11300.80	45203.21
8	TSS-006020	HOSE,FLEXIBLE	4	6734.60	26938.41
9	TSS-009020	HOSE,FLEXIBLE	4	8848.59	35394.34
					288879.53

PTL Mak IV TW (NTA 855)

S.NO.	PART NO.	DESCRIPTION.	QTY	Rate Each	Extended Rate (With GST)
1	TSS- 001050	HOSE,FLEXIBLE	3	7707.63	23122.89
2	TSS-002010	HOSE,FLEXIBLE	4	8116.13	32464.52
3	TSS- 003015	HOSE,FLEXIBLE	2	10024.07	20048.15
4	TSS- 004016	HOSE,FLEXIBLE	3	4208.55	12625.66
5	TSS-005020	HOSE,FLEXIBLE	3	3196.23	9588.69
6	TSS-006000	HOSE,FLEXIBLE	2	12083.27	24166.55
7	TSS-007890	HOSE,FLEXIBLE	2	11300.80	22601.61
8	TSS-006020	HOSE,FLEXIBLE	2	6734.60	13469.20
9	TSS-009020	HOSE,FLEXIBLE	4	8848.59	35394.34
					193481.61

DETC TW with (NTA 855 X2)

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S.NO.	PART NO.	DESCRIPTION.	QTY	Rate Each	Extended Rate (With GST)
1	TSS-001050	HOSE,FLEXIBLE	8	7707.63	61661.03155
2	TSS- 002010	HOSE,FLEXIBLE	8	8116.13	64929.0482
3	TSS-003015	HOSE,FLEXIBLE	8	10024.07	80192.5952
4	TSS-004016	HOSE,FLEXIBLE	8	4208.55	33668.43468
5	TSS- 005020	HOSE,FLEXIBLE	8	3196.23	25569.83158
6	TSS- 006000	HOSE,FLEXIBLE	4	12083.27	48333.09901
7	TSS-007890	HOSE,FLEXIBLE	4	11300.80	45203.21084
8	TSS-006020	HOSE,FLEXIBLE	4	6734.60	26938.40696
9	TSS-009020	HOSE,FLEXIBLE	4	8848.59	35394.34244
					421890.00

Annexure G

Pneumatic Hoses of (DETC, PTL)					
DETC With VTA-1710-L					
S.NO.	PART NO.	DESCRIPTION.	QTY	Rate Each	Extended Rate (With GST)
1	7500090650	ADAPTOR.	10	570.67	5706.70
2	6335082050	HOSE 1 1/2"BSP(F)	6	7088.90	42533.38
3	6760020150	HOSE 3/4"X3/4BSP FEMALE	6	6361.52	38169.13
4	5110060750	HOSE 3/4"X3/4"FSB FEMALE	6	2728.72	16372.31
5	6361120950	HOSE ASSLY	4	3569.10	14276.40
6	6361120850	HOSE ASSLY FLANGED	4	7226.57	28906.28
7	9991842550	WASHER SEALING.	100	119.17	11916.90
8	6335090750	HOSE.	4	8270.39	33081.56
9	5030013250	STRAINER.	1	1504.89	1504.89
					192467.56

PTL TW with (NTA 855 X2)					
S.NO.	PART NO.	DESCRIPTION.	QTY	Rate Each	Extended Rate (With GST)
1	7500090650	ADAPTOR.	10	570.67	5706.70
2	6335082050	HOSE 1 1/2"BSP(F)	6	7088.90	42533.38
3	6760020150	HOSE 3/4"X3/4BSP FEMALE	6	6361.52	38169.13
4	5110060750	HOSE 3/4"X3/4"FSB FEMALE	6	2728.72	16372.31
5	6361120950	HOSE ASSLY	6	3569.10	21414.59
6	6361120850	HOSE ASSLY FLANGED	6	7226.57	43359.43
7	9991842550	WASHER SEALING.	100	119.17	11916.90
8	6335090750	HOSE.	4	8270.39	33081.56

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9	5030013250	STRAINER.	1	1504.89	1504.89
					214058.90

Annexure H

Electrical & Pneumatic Spares of (DETC , , PTL , MARK III)					
DETC With VTA-1710-L					
S.NO.	PART NO.	DESCRIPTION.	Qty.	Rate Each	Extended Rate (With GST)
1	4071832	Pressure Gauge	1	3095.34	3095.34
2	4071831	Oil Temprecher Gauge (Hydraulic Cur kit) - Fan Drive	1	3000.13	3000.13
3	4327021	SWITCH,TEMPERATURE	2	7347.58	14695.17
4	2897691	SWITCH,PRESSURE	1	8036.92	8036.92
5	3875311	LIGHT,INDICATOR	4	417.12	1668.46
6	2865519	SWITCH MAGNETIC	1	585.79	585.79
7	3875360	MAGENTIC PIKCUP	1	4421.52	4421.52
8	-	AUXULARY CONTACTOR (As Required)	10	6400.63	64006.32
9	-	SOLENOID OPERATED VALVE (As Required)	2	7519.12	15038.24
10	-	PRESS.SWITCH.	1	7220.41	7220.41
11	-	PUSH BUTTON.(As Required)	5	957.41	4787.03
12	-	SELECTOR SWITCH 3 POLE.	2	1198.76	2397.52
13	-	SELECTOR SWITCH 1 POLE.	2	825.76	1651.52
14	-	DIRECTION SELECTION SWITCH.	2	647.40	1294.80
15	2879766	RPM Meter (Cab 1)	0	0.00	0.00
16	3231408	RPM Meter (Cab 2)	0	0.00	0.00
17	4071829	Water Temprecher Gauge	1	7822.37	7822.37
18	4084368	SWITCH,FLUID LEVEL	2	29205.58	58411.16
19	4327027	SWITCH,TEMPERATURE	2	10928.85	21857.70
20	4084367	SWITCH,FLUID LEVEL	1	27006.14	27006.14
21	4071835	SENSOR,PRESSURE	2	9199.71	18399.41
22	4071834	SENSOR,TEMPERATURE	2	7579.96	15159.92
23	4053654	SWITCH,RELAY	0	0.00	0.00
24	5559512	AMMETER	1	3079.03	3079.03
25	500287	Overspeed Stop	0	0.00	0.00
26	3056556	Harness	2	3199.32	6398.63
27	213272	MAGENTIC PIKCUP	1	23417.92	23417.92
28	A063V923	Ampier Meter	2	22760.29	45520.59
					358972.04

Annexure J**Electrical And Pneumatic Spares for PTL Mak IV TW (NTA 855)**

S.NO.	PART NO.	DESCRIPTION.	Qty.	Rate Each	Extended Rate (With GST)
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					GST)
1	4071832	Pressure Gauge	2	3095.34	6190.69
2	4071831	Oil Temprecher Gauge (Hydraulic Cur kit) - Fan Drive	1	3000.13	3000.13
3	4327021	SWITCH,TEMPERATURE	1	7347.58	7347.58
4	2897691	SWITCH,PRESSURE	1	8036.92	8036.92
5	2865519	SWITCH MAGNETIC	1	585.79	585.79
6	500278	SWITCH TOGGLE (As Required)	5	203.69	1018.47
7	504975	Switch Key	1	440.35	440.35
8	504395	Switch Push Button	1	404.21	404.21
9	213273	Harness MAGENTIC PIKCUP	1	5942.64	5942.64
10	3875360	MAGENTIC PIKCUP	1	4421.52	4421.52
11	-	INDICATING LAMP.(As Required)	15	952.30	14284.52
12	-	AUXULARY CONTACTOR (As Required)	10	6400.63	64006.32
13	-	SOLENOID OPERATED VALVE (As Required)	2	7519.12	15038.24
14	-	PRESS.SWITCH OIL SET.	1	6648.18	6648.18
15	-	PRESS.SWITCH.	1	7220.41	7220.41
16	-	MCB 16 AMP.(As Required)	5	2397.49	11987.45
17	-	PUSH BUTTON.(As Required)	5	957.41	4787.03
18	-	DIRECTION SELECTION SWITCH.	1	647.40	647.40
19	2879766	RPM Meter (Cab 1)	1	45373.37	45373.37
20	3231408	RPM Meter (Cab 2)	1	9621.71	9621.71
21	4071829	Water Temprecher Gauge	1	7822.37	7822.37
22	4084368	SWITCH,FLUID LEVEL	1	29205.58	29205.58
23	4327027	SWITCH,TEMPERATURE	1	10928.85	10928.85
24	4071835	SENSOR,PRESSURE	2	9199.71	18399.41
25	4071834	SENSOR,TEMPERATURE	2	7579.96	15159.92
26	5559512	AMMETER	1	3079.03	3079.03
27	500287	Overspeed Stop	1	21856.48	21856.48
28	213272	MAGENTIC PIKCUP	1	23417.92	23417.92
29	A063V923	Ampier Meter	1	22760.29	22760.29
30	A062N867	MR Pressure Switch -- Penumatic	1	77386.31	77386.31
					447019.09

Annexure K**Electrical And Pneumatic Spares for DETC TW with (NTA 855 X2)**

S.NO.	PART NO.	DESCRIPTION.	Qty.	Rate Each	Extended Rate (With GST)
1	4071832	Pressure Gauge	2	3095.34	6190.69
2	4071831	Oil Temprecher Gauge (Hydraulic Cur kit) - Fan Drive	2	3000.13	6000.25

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3	4327021	SWITCH,TEMPERATURE	2	7347.58	14695.17
4	2897691	SWITCH,PRESSURE	2	8036.92	16073.85
5	3875311	LIGHT,INDICATOR	2	417.12	834.23
6	2865519	SWITCH MAGNETIC	1	585.79	585.79
7	500278	SWITCH TOGGLE (As Required)	6	203.69	1222.16
8	504975	Switch Key	2	440.35	880.70
9	504395	Switch Push Button	2	404.21	808.42
10	213273	Harness MAGENTIC PIKCUP	2	5942.64	11885.28
11	3875360	MAGENTIC PIKCUP	1	4421.52	4421.52
12	-	INDICATING LAMP.(As Required)	14	952.30	13332.22
13	-	AUXULARY CONTACTOR (As Required)	10	6400.63	64006.32
14	-	SOLENOID OPERATED VALVE (As Required)	2	7519.12	15038.24
15	-	PRESS.SWITCH OIL SET.	1	6648.18	6648.18
16	-	PRESS.SWITCH.	1	7220.41	7220.41
17	-	MCB 16 AMP.(As Required)	5	2397.49	11987.45
18	-	SELECTOR SWITCH 3 POLE.	1	1198.76	1198.76
19	-	SELECTOR SWITCH 1 POLE.	1	825.76	825.76
20	-	DIRECTION SELECTION SWITCH.	1	647.40	647.40
21	2879766	RPM Meter (Cab 1)	1	45373.37	45373.37
22	3231408	RPM Meter (Cab 2)	1	9621.71	9621.71
23	4071829	Water Temprecher Gauge	2	7822.37	15644.73
24	4084368	SWITCH,FLUID LEVEL	1	29205.58	29205.58
25	4327027	SWITCH,TEMPERATURE	1	10928.85	10928.85
26	4084367	SWITCH,FLUID LEVEL	1	27006.14	27006.14
27	4071835	SENSOR,PRESSURE	2	9199.71	18399.41
28	4071834	SENSOR,TEMPERATURE	4	7579.96	30319.84
29	4053654	SWITCH,RELAY (As required)	2	10438.14	20876.27
30	5559512	AMMETER	2	3079.03	6158.06
31	3056556	Harness	2	3199.32	6398.63
32	213272	MAGENTIC PIKCUP	1	23417.92	23417.92
33	A063V923	Ampier Meter	1	22760.29	22760.29
34	A062N867	MR Pressure Switch -- Penumatic	1	77386.31	77386.31
					527999.93

Annexure-L

Spares of Repairing & Rewinding of 425 KW BHEL/CGL Make Main Alternator

S.NO.	PART NO.	DESCRIPTION.	Qty	Rate Each	Extended Rate (With GST)
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1		Terminal Plate	1	2377.78	2377.78
2		KIT Bearing	1	260837.59	260837.59
3		RRA Assembly	1	15858.13	15858.13
4		Pulley Driven	1	29248.59	29248.59
5		Driving Ring	1	16088.12	16088.12
6		Diode Reverse Set of 3	3	10503.63	31510.89
7		Diode Forward set of 3	3	10503.63	31510.89
8		Labour Charges for Overhauling of Alternator	1	48103.37	48103.37
9		Rewinding of Exiter Stator/ Rotor	1	145332.73	145332.73
					580868.09

Annexure M						
Spares of Lifting Platform (DETC& PTL) (Mandatory)						
S.NO.	PART NO.	DESCRIPTION.	Qty	Rate Each	Extended Rate (With GST)	
1	2515	SEAL GEAR PUMP.	1	4804.93	4804.93	
2	2751	RETURN LINE FILTER ELEMENT.	2	4798.91	9597.83	
3	1612	HYDRAULIC HOSES.	2	3966.17	7932.35	
4	2508	HYDRAULIC CYL.SEAL KIT.	1	30701.33	30701.33	
5	SP05	COPPER WASHER.	10	88.06	880.65	
6	SP06	HARDWARE & MISC.	10	64.65	646.47	
7	2752	VALVE MOUNTING O RING.SET	1	63.14	63.14	
8	2524	THERMAL RELAY.	1	7817.78	7817.78	
9	2054	CONTROL RELAY.	1	8100.42	8100.42	
10	2512	LIMIT SWITCH.	2	5728.03	11456.06	
11	2528	PENDANT BOX.	1	13407.50	13407.50	
12	2042	Direction Control Valve	1	39077.93	39077.93	

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13	2518	Pressure Relief Valve	1	—	—
				34849.09	34849.09
14	2519	Pilot Operated Check Valve	1	—	—
				30242.12	30242.12
15	2753	Flow Control Valve	1	—	—
				1007.40	1007.40
16	2525	Push Button Contact	6	—	—
				1967.00	11802.03
17	2057	Main Motor Fuse	9	—	—
				350.81	3157.33
18	2058	Swieling Motor Fuse	9	—	—
				350.81	3157.33
19	2522	Transformer	1	—	—
				350.81	350.81
20	2057+2057	Contactor	3	—	—
				10767.32	32301.95
21	2552	Rectifier	1	—	—
				6047.07	6047.07
22	991032	Pinion	1	—	—
				6199.95	6199.95
23		Labour Chages	1	—	—
				68422.30	68422.30
				—	332023.77

Annexure N

Spares of 7.5KVA DG Set (DETC) (Mandatory)					
Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	0149-2952	FILTER FUEL	1	—	—
				398.20	398.20
2	0122-0961	FILTER OIL LUBE	1	—	—
				494.01	494.01
3	506924	VALVOLINE PREMIUM BLUE 7800 PLUS 1/10 LTR	1	—	—
				6510.52	6510.52
4	4926654	INHIBITOR,CORROSION 10 LITERS	1	—	—
				4700.27	4700.27
		Half Yearly Servicing		—	12103.00
Spares of 7.5KVA DG Set (DETC) (Mandatory)					
1	0149-2952	FILTER FUEL	1	398.20	398.20
2	0122-0961	FILTER OIL LUBE	1	—	—
				494.01	494.01
3	0140-4088	ELEMENT-AIR CLEANER	1	—	—
				1536.07	1536.07
4	506924	VALVOLINE PREMIUM BLUE 7800 PLUS 1/10 LTR	1	—	—
				6510.52	6510.52
5	4926654	INHIBITOR,CORROSION 10 LITERS	1	—	—
				4700.27	4700.27
6	A046V060	TENSIONER,BELT	1	—	—
				327.92	327.92
7	A054V669	PIPE	1	—	—
				—	839.90

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				839.90	
8	A054V674	PIPE	1	859.78	859.78
9	0333-0810	THERMOSTAT ASSY	1	524.69	524.69
10	0130-8439	GASKET-THERMOSTAT	1	17.60	17.60
11	0132-0530	PUMP-WATER	1	2449.15	2449.15
12	A054A641	HOSE	1	421.56	421.56
13	A043M460	HOSE	1	1651.80	1651.80
14	A053Z290	HOSE,WATER	1	1281.37	1281.37
15	A042Y504	CLAMP,HOSE	1	78.14	78.14
16	A048P488	CLAMP,HOSE	5	142.40	712.00
17	A054J009	CLAMP,HOSE	4	177.97	711.87
18	11300002G	BATTERY CABLE SET	1	4772.67	4772.67
19	BAT-0012	BATTERY TERMINAL	2	397.73	795.45
		Yearly Servicing			29082.97

Annexure-O
Required Emergency Electrical, Electro-pneumatic Spares for all Tower Wagons

Sr.No	Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	Parts of CONTROL GEAR ITEMS	RP125N	Ammeter selection switch KAYCEE ; RP125B	1	3417.489	3417.4886
2		SQ96	Voltmeter AE; SQ96	1	3029.055	3029.0552
3		110V	Battery (110V) Cut out switch Salzer (L & T)	1	2351.976	2351.9755
4		3NH3 030	Auxiliary Fuse Panel Siemens, 3NH3 030	1	1710.53	1710.5301
5		10/300	Hand Lamp socket 10 Amps, 3- pin	1	641.4454	641.44538
12		4396431	Element Hydraulic Filter	1	48718.65	48718.648
13		A062F623	Hydraulic Line Filter	1	8821.318	8821.3177
14		A062N865	Valve Pressure Relief	1	166140	166140.02
15		4071831	Oil Tempreature Gauge	1		8016.1377

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			(Hydraulic Cur kit) - Fan Drive		8016.138	
19		4398335	PUMP,HYDRAULI - Fan drive	1	751815.6	751815.58
20		2885024	GASKET,HYDRAULIC PUMP - Fan drive	1	193.5256	193.52563
21		S 602	WASHER,PLAIN - Fan drive	1	16.96873	16.96873
22		4398529	SLEEVE,SPLINE - Fan drive	1	11503.66	11503.663
23	Parts for electrical Control System	A063V923	Ampier Meter	1	—	
					22760.29	22760.295
24		2879766	RPM Meter (Cab 1)	1	45373.37	45373.372
25		3231408	RPM Meter (Cab 2)	1	9621.708	9621.708
26		4071829	Water Temperture Gauge	1	7822.366	7822.3658
27		4071832	Pressure Gauge	1	6844.118	6844.1185
28		3875875	Actuator	1	436290.9	436290.9
31		3816939	ALTERNATOR	1	46801.93	46801.934
32		2865519	SWITCH MAGNETIC	1	2309.909	2309.9095
33		504395	SWITCH	1	957.7069	957.70693
34		500278	SWITCH TOGGLE	1	491.5321	491.53212
35		4078515	MOTOR,STARTING	1	219417.6	219417.58
36		3039570	AMMETER	1	27361.43	27361.435
37		3167976	VALVE FUEL SHUT OFF	1	12927.6	12927.6
38		4084368	SWITCH,FLUID LEVEL	1	29205.58	29205.58
39		4327021	SWITCH,TEMPERATURE	1	16424.87	16424.869
40		4327027	SWITCH,TEMPERATURE	1	10928.85	10928.848
41		4084367	SWITCH,FLUID LEVEL	1	27006.14	27006.145
42		4071835	SENSOR,PRESSURE	1	9199.707	9199.7067
43		4071834	SENSOR,TEMPERATURE	1	7579.959	7579.9592
44		4053654	SWITCH,RELAY	1	10438.14	10438.137
45		2897691	SWITCH,PRESSURE	1	19221.97	19221.973
46		213272	MAGENTIC PIKCUP	1	23417.92	23417.915

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47		213273	Harness MAGENTIC PIKCUP	1	—	2675.079	2675.0793
48		4105447	PICKUP,MAGNETIC	1	—	22767.25	22767.247
49		4912304	PICKUP,MAGNETIC	1	—	22767.67	22767.671
50	Tower Wagon Parts of Cummins	A062N867	MR Pressure Switch -- Penumatic	1	—	77386.31	77386.306
51		A062N866	J1 Safety Valve --Penumatic	1	—	133968	133967.98
							2258344.22

Annexure-P

Required Traction Motor Emergency Spares for all Tower Wagons

Sr.No	Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	Parts OF TRACTION ALTERNATOR	6317C	Single Ball bearing - SKF - 6317 C/3	1	30290.57	30290.56589
2		HB.0 03.001-B	Grease - HP LITHON-3 OR Servogem RR3 of IOC- 250 GMs / Esso Unirex N3	1	356.357	356.3570229
4	Parts of POWER RECTIFIER	MN0 22E	D.C. Contactor Type: MN022E - 110V.D.C Coil L&T/ SIEMENS	1	6467.933	6467.93265
5		359010T	Potentiometer 10K, 1W, 10T (Type 3590) for fan speed Control	1	997.8024	997.8024009
6	Parts of TRACTION MOTOR	NU324E MC4	Bearing Pinion side - NU324EMC4 - SKF/FAG	1	183525.2	183525.1942
9	Parts of AUXILIARY ALTERNATOR	A062 C230	Carden Shaft (for Auxillary Alternator)	1	36468.42	36468.41536
10		NU311	Bearing Drive End NU311	1	26726.97	26726.9683
11		6311	Bearing Non Drive End 6311	1	7839.909	7839.909241
						292673.15

Annexure-R Optional Spares Other Than Schedule-A & B for all Tower Wagons						
Sr. No	Sr No	Part No	Description	Qty	Rate Each	Extended Rate (With GST)
1	Parts OF TRACTION ALTERNATOR	6317C	Single Ball bearing - SKF - 6317 C/3	1	30290.566	30290.566
2		HB.003.0 1-B	Grease - HP LITHON- 3 OR Servogem RR3 of IOC-250 GMs / Esso Unirex N3	1	356.35702	356.35702
3	Parts of POWER RECTIFIER	MN022E	D.C. Contactor Type: MN022E - 110V.D.C Coil L&T/ SIEMENS	1	6467.9327	6467.9327
4		3590 10T	Potentiometer 10K, 1W, 10T (Type 3590) for fan speed Control	1	997.8024	997.8024
5	Parts of TRACTION MOTOR	NU324E C4	Bearing Pinion side - NU324EMC4 - SKF/FAG	1	183525.19	183525.19
6	Parts of AUXILIARY ALTERNATOR	A062C230	Carden Shaft (for Auxillary Alternator)	1	36468.415	36468.415
7		NU311	Bearing Drive End NU311	1	26726.968	26726.968
8		6311	Bearing Non Drive End 6311	1	7839.9092	7839.9092
						292673.15

Notes:

1. The rates are to be quoted inclusive of all types of taxes (GST), duties (octroi etc) etc. and not liable for any fluctuation on any account.
2. The work is to be strictly carried out as per the specifications, scope of work, explanatory note, terms and special conditions given in the complete tender document for this work.
3. All rates shall be in Rupees and must be firm during the tenure of the Contract.
4. Any increase in the existing taxation/ duty or levy of any new tax/ duty due to Govt. policies, after the submission of tender/ during the finalization and till the completion of the contract will be borne by the tenderer.

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ANNEXURE-V

FORMAT FOR CERTIFICATE TO BE SUBMITTED/UPLOADED BY TENDERER ALONGWITH THE TENDER DOCUMENTS

On IREPS Module, a facility has already been created for online submission of Annexure-V. Same must be filled and submitted online on IREPS by firm at the time of submission of offer/Bid.

(As per Railway Board letter No. 2022/CE-I/CT/GCC Correspondence New Delhi, dated 14.05.2024).

ANNEXURE-VA

(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 a 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 requirements 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**TENDERER'S CREDENTIALS (BID CAPACITY)****RAILWAY**

For tenders having advertised value more than Rs 10 crore wherein eligibility criteria includes 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:

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

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 the 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.

ANNEXURE-VIA**(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 authorised 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]**.

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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.....

[Name in Block letters]

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

[P/Attorney] No.

.....

Bank's Seal and authorized signature(s)

Witness:

1 Signature, Name & Address & Seal

2 Signature, Name& address & Seal

[P/Attorney]No.

Bank's Seal

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

(Applicable for works costing more than Rs. 50 Lakh)

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)****Annexure-VIB must be mentioned UDIN no. as per ICAI guideline.***

Note: All italicized text is for guidance and information only and shall be deleted from the final document.

CERTIFICATE OF FITNESS

1. (a) Certificate Serial No.....(b) Date.....

2. Name of Person Examined.....

3. Father's Name:Son/Daughter of.....

Residing at

4. Sex.....

5. Residence.....

.....

6. Physical Fitness:

7. Identification Marks.....

8. 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.

9. Reason for

(a)Refusal of grant certificate or -----

(b) Revoking of certificate-----

Signature or left hand Thumb

**impression of the person
examined/Worker**

Signature of Certifying Surgeon

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

ANNEXURE -B

Reference: Railway board letter no. 2020/Sec(CCB)/4/50/Misc dated 03/02/2020(Annexure 1)

POLICE VERIFICATION

PHOTO
(of applicant
sign by
contractor)

Sr. No.	Particulars	
1	Full Name with Aliases	
2	Parent's Name	
3	Nationality	
4	Present Address in full with Police Station and District	
5	Period of Residence	
6	Home/ Permanent Address in full with Police Station and District	
7	Addresses with police stations and districts where the applicant has resided continuously for more than 6 months in the past 5 years.	
8	Aadhaar Number*	
9	The applicant has been involved in a criminal case as accused (Yes/No). If Yes, then details.	
10	The applicant has been arrested in connection with a criminal case (Yes/No). If yes, then details.	
11	The applicant has been convicted for a criminal offence (Yes/No). If yes, then details.	

Declaration (by applicant):

_____, I certify that the following information is correct and complete to the best of my knowledge and belief.

	Signature of Applicant	
Countersigned by:	Date	Place
Contracting Railway Supervisor		
Date	Place	

Police Certification:

The details as stated above are correct and the above person does not have any criminal registered or pending against him in any court of law as per official records available.

Counter signature of

Authorized signatory with stamp

Identity Card

Identity Card No-----

Date of Issue----- validity date-----

Contract Agreement No-----

Name of the Firm -----




Photo
with seal of firm

1) Name of the Employee:-----

2) Date of Birth:-----

3) Aadhar No.-----

4) Permanent Address:-----

5) Cell no. Personal/Emergency:-----

(Signature and seal of Contractor)
Impression of Employee)

(Signature/Thumb

(The person who signed the original
Tender documents or the contract agreements)

BIO-DATA OF STAFF (CONTRACTUAL)

Name of work: -.

LOA No.: -

Name of Firm:-

<u>Photo with seal of firm</u>

Name: -

Fathers Name: -

Date of Birth: -

Sex: -

Educational

Qualification: -

Aadhar

Card

No.: -

Address: -

Mobile No.: -

Signature of Employee

Signature and Seal of Contractor's Supervisor

DECLARATION FORMAT

As per GCC April 2022, Clause No.16 Employment / Partnership etc. of Retired Railway Employees.

Clause	CONDITIONS	WRITE YES/NO WHICH IS APPLICABLE
16 (a)	<p>(i) Should a tenderer 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</p> <p>(ii) Should a tenderer being partnership firm / joint venture (JV) / registered society / registered trust etc. have as one of its partners a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, OR</p> <p>(iii) Should a tenderer 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</p>	<p>YES / NO</p> <p>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.</p> <p>THEN</p> <p>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.</p>
16 (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 gazetted 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.	<p>YES/NO</p> <p>If yes 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.</p>
16 (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	<p>YES/NO</p> <p>If yes then the tenderer at the time of submission of tender, will inform the Authority inviting tenders the details of such persons.</p>
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.		

Date:

Signature

Place:

(Name of contractor/firm)

Signature of Tenderer

CHECK LIST

FOR DOCUMENT TO BE SUBMITTED BY THE TENDERER FOR TENDER ALONG WITH THE TENDER. TENDERS WITHOUT THESE DOCUMENTS WILL BE SUMMARILY REJECTED: -

SN	MANDATORY DOCUMENTS
1	BID SECURITY details as per clause 1.1.5 of Part-1, Chapter-1 of this Tender Document. (As per Clause No 5 of uploaded GCC April 2022.)
2	Certificate as per Annexure-V of this Tender Document. On IREPS Module, a facility has already been created for online submission of Annexure-V. Same must be filled and submitted online on IREPS by firm at the time of submission of offer/Bid.
3	Annexure-V(A) of this Tender Document. (As per ACS no.2 of GCC April 2022) (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
4	PAN CARD
5	GST Registration Certificate
6	The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on Behalf of a Partnership Firm / Company/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 as applicable mentioned below: (details as per clause 2.6 of Chapter-2 of this Tender Document).
a	Sole Proprietor- In case a tenderer is participating as Sole Proprietor in a tender, it should be made mandatory for him to submit an undertaking on suitable stamp paper to this effect clearly mentioning PAN number also along with tender document at the time of submission of tender. (details as per clause 2.6 of Chapter-2 of this Tender Document).
b	HUF: (details as per clause 2.6 of Chapter-2 of this Tender Document)
c	Participation of Partnership Firms in works Tenders: (details as per clause 2.6 of Chapter-2 of this Tender Document)
d	Company registered under Companies Act 2013: (details as per clause 2.6 of Chapter-2 of this Tender Document)
	LLP (Limited Liability Partnership): (details as per clause 2.6 of Chapter-2 of this Tender Document)
f	Registered Society & Registered Trust: (details as per clause 2.6 of Chapter-2 of this Tender Document)
7	The contractor shall fulfill valid Electrical Contractor License requirement as per IE Rule 1956 clause no-45. Electrical Contractors license shall be submitted along with the offer, failing which the offer will summarily be rejected. (NOT APPLICABLE FOR THIS WORK)
8	Firm must submit the required document confirming their status as either an original equipment manufacturer (OEM) or an authorized dealer/ service centre of an original equipment manufacturer (OEM). Failing to submitted the document while bidding, the offer/ bid of firm shall be summarily rejected.
9.	Tender form as per Annexure I of Indian Railways Standard General Conditions of Contract (G.C.C.) April 2022.
10.	Supporting documents for Technical Eligibility Criteria: as per clause 2.2 of Chapter-2 of this Tender Document. (Applicable for works costing more than Rs. 50 Lakh)
11.	Supporting documents for Financial Eligibility Criteria: as per clause 2.2 of Chapter-2 of this Tender Document. (Applicable for works costing more than Rs. 50 Lakh)
12.	As per GCC April 2022, Clause No.16 Employment / Partnership etc. of Retired Railway Employees. (Annexure-E of This Tender Document)
13.	Bid Capacity: (Only for tender costing more than Rs. 10 crore) For tenders having advertised value more than Rs 10 crore wherein eligibility criteria includes 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. Bid capacity formula detailed as Annexure-VI.
The above checklist for some mandatory documents to be uploaded along with offer. Tenders without these Documents will be summarily rejected. Tenderer(s) is/are requested to study this tender document and GCC thoroughly and upload all mandatory / required documents as per this tender document and GCC.	

****END OF TENDER DOCUMENT****