

Tender No.: 362258

कार्यालय मुख्य कारखाना प्रबंधक, उत्तर रेलवे, रेल कोच नवीनीकरण कारखाना सोनीपत
OFFICE OF CHIEF WORKSHOP MANAGER/ N. RLY/ Rail Coach Naveenikaran
Karkhana, Sonipat



निविदा प्रपत्र

Tender Document

निविदा संख्या:	332258
TENDER NO:	332258

Name of Work	Refurbishment of LWSCZAC coaches during MLR Schedule at RCNK/SNP
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निविदा खुलने की तिथि:	As per IREPS NIT
Date of opening:	As per IREPS NIT

Signature and stamp of contractor

(A) Mandatory details to be filled in by tenderer while submitting their offer.

1	Constitution of the Firm/concern. (Tick as applicable)	Sole Proprietorship/ partnership Firm/ HUF/Company /JV /Society
2	Full Names of sole Proprietorship/Partnership firm/Company/ JV/Society (as the case may be)	
3	Year of formation/ incorporation	
4	If firm is Micro and Small Enterprises registered - a) Registered from (body approved by Ministry of MSME) b) Registration No. c) Terminal validity up to (for similar service contracts)	
5	PAN No. (please attach copy also)	
6	GSTIN No. (please attach copy also)	
7	Registered Office Address	
8	Address on which correspondence regarding this tender should be done	
9	Names of the proprietor /partners/JV members etc.	
10	Mobile No. (Compulsory)	
11	E-mail ID (Compulsory)	
12	Similar Nature Work definition	<p>At least any three of the following activities (i to vii) on any type of coach of IR/Metro/Govt. PSU should be executed in the similar work.: -</p> <ul style="list-style-type: none"> i. Panelling work of side wall or fitment of Roof Ceiling or Fitment of partition. ii. FRP repair of FRP fitment. iii. Fitment of Seat & Birth or Fitment of Chair car Seat arrangements. iv. Passenger amenity fitment work. v. Flooring and PVC laying. vi. Work of Lavatory up gradation or work of Lavatory refurbishment/Overhaul. vii. Plumbing/pipe fitting and related work. <p>Special condition: In case, the</p>

		proposed work also involves electrical work on coaches, the firm must produce a valid Electrical license issued by any state within India before start of work.
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Signature of the Tenderer

PART I
Instructions to Tenderers (ITT)

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

1.1 Order of Precedence of Documents: In a contract agreement, in case of any difference, contradiction, discrepancy, with regard to conditions of tender/contract, specifications, drawings, Bill(s) of Quantities etc., forming part of the tender/contract, the following shall be the order of precedence:

- i. Letter of Award/Acceptance (LOA)
- ii. Bill(s) of Quantities
- iii. Special Conditions of Contract
- iv. Technical Specifications as given in tender documents
- v. Drawings
- vi. Indian Railways Standard General Conditions of Contract updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.
- vii. Indian Railways Unified Standard Specification (IRUSS-2019) updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- viii. CPWD Specifications 2019 Vol I & II updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- ix. Indian Railways Unified Standard Specifications (Works and Material) 2010 updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents, if applicable in the contract.
- x. IR Specifications/Guidelines updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.
- xi. Relevant B.I.S. Codes updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.

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

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

- a) "Railway" shall mean the President of the Republic of India or the administrative officers of the Railway or Successor Railway authorized to deal with any matter, which these presents are concerned on his behalf.
- b) "General Manager" shall mean the Officer-in-Charge of the general superintendence and control of the Zonal Railway/Production Unit and shall also include Addl. General Manager, General Manager (Construction) and shall mean and include their successors of the Successor Railway.
- c) "Chief Engineer" shall mean the Officer-in-Charge of the Engineering Department of Railway and shall also include Chief Engineer (Construction), Chief Electrical Engineer, Chief Electrical Engineer (Construction), Chief Signal & Telecom

- Engineer, Chief Signal & Telecom Engineer (Construction), Chief Mechanical Engineer and shall mean and include their successors of the Successor Railway.
- d) “Divisional Railway Manager” shall mean the Officer-in-Charge of a Division of Zonal Railway and shall mean and include Divisional Railway Manager of the Successor Railway.
- e) “Engineer” shall mean the Divisional Engineer or Executive Engineer, Divisional Signal & Telecom Engineer, Divisional Electrical Engineer, Divisional Mechanical Engineer in executive charge of the works and shall include the superior officers, both Open Line and Construction Organizations, of Engineering, Signal & Telecom, Mechanical and Electrical Departments, i.e. the Senior Divisional Engineer/Deputy Chief Engineer, Senior Divisional Signal & Telecom Engineer / Dy. Chief Signal & Telecom Engineer, Senior Divisional Electrical Engineer / Deputy Chief Electrical Engineer, Senior Divisional Mechanical Engineer and shall mean & include the Engineers of the Successor Railway.
- f) “Tenderer” shall mean the person / firm / co-operative or company whether incorporated or not who tenders for the works with a view to execute the works on contract with the Railway and shall include their representatives, successors and permitted assigns.
- g) “Limited Tenders” shall mean tenders invited from all or some contractors on the approved or select list of contractors with the Railway.
- h) “Open Tenders” shall mean the tenders invited in open and public manner and with adequate notice.
- i) “Works” shall mean the works contemplated in the drawings and Bill(s) of Quantities set forth in the tender forms and required to be executed according to the specifications.
- j) “Specifications” shall mean the Specifications for Materials and Works of the Railway as specified under the authority of the Ministry of Railways or Chief Engineer or as amplified, added to or superseded by special specifications if any, appended to the Tender Forms.
- k) Standard Schedule of Rates (SSOR) shall mean the schedule of Rates adopted by the Railway, which includes-
1. “Unified Standard Schedule of Rates of the Railway (USSOR)” i.e., the Standard Schedule of Rates of the Railway issued under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents;
 2. “Delhi Schedule Of Rates (DSR)” i.e., the Standard Schedule of Rates published by Director General/ Central Public Works Department, Government of India, New Delhi, as adopted and modified by the Railway under the authority of the Chief Engineer from time to time, updated with correction slips issued up to date of inviting tender or as otherwise specified in the tender documents.
- l) “Drawings” shall mean the maps, drawings, plans and tracings, or prints thereof annexed to the Tender Forms.
- m) “Contractor’s authorized Engineer” shall mean a graduate engineer or equivalent, having more than 3 years’ experience in the relevant field of construction work involved in the contract, duly approved by the Engineer.
- n) Date of inviting tender shall be the date of publishing tender notice on IREPS website if tender is published on website or the date of publication in newspaper in case tender is not published on website.
- o) “Bill of Quantities” shall mean Schedule of Item(s) included in the tender document along with respective quantities.

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

CREDENTIALS OF CONTRACTORS

2. Application for Registration and Approved list of contractors:

- 2.1 Works of construction and of supply of material shall be entrusted for execution to contractors whose capabilities and financial status have been investigated and approved to the satisfaction of the Railway. A list of approved contractors may also be maintained by the Railway. The said list be revised periodically once in a year or so by giving wide publicity through advertisements etc. For registration, the contractor including a contractor who is already on the approved list shall apply to the concerned General Manager (Construction) / Chief Administrative Officer (Construction) / Principal Chief Engineer / Principal Chief Signal & Telecommunication Engineer / Principal Chief Mechanical Engineer / Principal Chief Electrical Engineer/ Divisional Railway Manager, furnishing particulars regarding:
- a. his position as an independent contractor specifying engineering organization available with details of partners / staff / engineers employed with qualifications and experience;
 - b. his capacity to undertake and carry out works satisfactorily as vouched for by a responsible official or firm; details about the transport equipment's, construction tools and plants etc. required for the work, maintained by him;
 - c. his previous experience of works similar to that to be contracted for, in proof of which original certificates or testimonials may be called for and their genuineness verified, if needs be, by reference to the signatories thereof;
 - d. his knowledge from actual personal investigation of the resources of the area/zone or zones in which he offers to work;
 - e. his ability to supervise the work personally or by competent and duly authorized agent;
 - f. his financial position;
- 2.2 An applicant shall clearly state the categories of works and the area/zone/division(s)/district(s) in which he desires registration in the list of approved contractors.
- 2.3 The selection of contractors for enlistment in the approved list would be done by a committee for different value of slabs as notified by Railway.
- 2.4 An annual fee as prescribed by the Railway from time to time would be charged from such approved contractors to cover the cost of sending notices to them and clerkage for tenders etc. Notices shall be sent to them on registered e-mail address and registered postal address.

TENDERS FOR WORKS

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

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

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

Note:

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

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

6. Care in Submission of Tenders:

- a) (i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.
- (ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017(CGST)/ Integrated Goods and Services Tax Act, 2017(IGST)/ Union Territory Goods and Services Tax Act, 2017(UTGST)/ respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt.& as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
- (iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the Contractor. The Contractor shall be responsible for deposition of applicable GST to the concerned authority.
- (iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/ SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.
- (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 invoices issued 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.

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

CONSIDERATION OF TENDERS

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

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

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

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

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

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

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

- 8. Execution of Contract Document:** The Tenderer whose tender is accepted shall be required to appear in person at the office of General Manager/General Manager (Construction), Chief Administrative Officer (Construction), Divisional Railway Manager or concerned Engineer, as the case may be, or if tenderer is a firm or corporation, a duly authorized representative shall appear (there would be no need for appear in person if agreement is signed digitally) and execute the contract agreement within seven days of notice from Railways that the Contract Agreement is ready. 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.
- a) **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).
- b) 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. During the currency of the Zone Contract, work orders as per specimen form Annexures-III, for works not exceeding ₹ 5,00,000 each, shall be issued by the Divisional Railway Manager / Executive Engineer under the agreement for Zone Contract.
- c) 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.

ANNEXURE - I

RAILWAY

TENDER FORM (First Sheet)

Tender No. _____

Name of Work _____

To

The President of India

Acting through the _____ Railway

I/We _____ have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of _____ days from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our "Bid Security". I/We offer to do the work for _____ Railway, at the rates quoted in the attached bill(s) of quantities and hereby bind myself/ourselves to complete the work in all respects within _____ months from the date of issue of letter of acceptance of the tender.

2. I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Standard Schedule of Rates (SSOR) with all correction slips up-to-date for the present contract.

3. A Bid Security of ₹ _____ has already been deposited online/ submitted as Bank Guarantee bond. Full value of the Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:

(a) I/We do not submit the Performance Guarantee within the time specified in the Tender document;

(b) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and

(c) I/We do not commence the work within fifteen days after receipt of orders to that effect.

4. (a) I/We am/are a Startup firm registered by Department of Industrial Policy and Promotion (DIPP) and my registration number is valid up to (Copy enclosed) and hence exempted from submission of Bid Security.

5. We are a Labour Cooperative Society and our Registration No. is withand hence required to deposit only 50% of Bid Security.

6. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Signature of Tenderer(s)

Date _____

Address of the Tenderer(s)

ANNEXURE - IA

PROFORMA FOR STATEMENT OF DEVIATIONS FROM TENDER CONDITIONS

The following are the particulars of deviations from the requirements of the Instructions to Tenderers and General Conditions of Contract: -

CLAUSE	DEVIATION	REMARKS (Including Justification)
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.....
Signature and seal of
The Tenderer.

PROFORMA FOR STATEMENT OF DEVIATIONS FROM TECHNICAL SPECIFICATIONS

The following are the particulars of deviations from the requirements of the Technical Specification: -

CLAUSE	DEVIATIONS	REMARKS (Including Justification)
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.....
Signature and seal of
The Tenderer.

NOTE: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

Annexure –“B”**Constitution of firm**

1	Constitution of the Firm/concern. (Tick as applicable)	Sole Prop / HUF / Partnership Firm / Company / JV / Society
2	Full name of firm /Company / JV/Society	
3	Year of formation / incorporation	
4	PAN No.	
5	Registered Office Address	
6	Address on which correspondence regarding this tender should be done.	
7	Name of the proprietor / partners/JV Members etc.	

We have enclosed along with the tender, all the requisite documents pertaining to the constitution of the firm/concern/company etc. as per General Conditions of The Tender in tender documents.

Signature of tenderer

TENDER FORM (Second Sheet)

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

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

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

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

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

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

6. Bid Security:

- a) Subject to exemptions provided under para 5(1) (a) of Part-1 (ITT) of this document, the tender must be accompanied by a Bid Security as mentioned in tender documents, failing which the tender shall be summarily rejected.
- b) The Tenderer(s) shall keep the offer open for a minimum period of 60 days (in case of two packet system of tendering 90days) from the date of closing of the Tender. It is understood that the tender documents have been issued to the Tenderer(s) and the Tenderer(s), is / are permitted to tender in consideration of the stipulation on his /

their part that after submitting his / their tender subject to the period being extended further, if required by mutual agreement from time to time, he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to _____ Railway. Should the tenderer fail to observe or comply with the foregoing stipulation, the amount deposited or Bank guarantee bond submitted as Bid Security for the due performance of the above stipulation, shall be forfeited to the Railway.

c) If his tender is accepted,

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

II. The Bid Security mentioned in sub para(a) above submitted as Bank guarantee bond, will be en-cashed as part security for the due and faithful fulfilment of the contract in terms of Clause 16 of the Standard General Conditions of Contract.

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

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

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

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

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

10. Eligibility Criteria:

10.1 Technical Eligibility Criteria:

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

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

Similar nature of work definition:

At least any three of the following activities (i to vii) on any type of coach of IR/Metro /Govt. PSU should be executed in the similar work: -

- i. Panelling work of side wall or fitment of Roof Ceiling or Fitment of partition.**
- ii. FRP repair of FRP fitment.**
- iii. Fitment of Seat & Birth or Fitment of Chair car Seat arrangements.**
- iv. Passenger amenity fitment work.**
- v. Flooring and PVC laying.**
- vi. Work of Lavatory up gradation or work of Lavatory refurbishment/Overhaul.**
- vii. Plumbing/pipe fitting and related work.**

Special condition: In case, the proposed work also involves electrical work on coaches, the firm must produce a valid Electrical license issued by any state within India before start of work.

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

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

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

(b) (2) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity.

(b) (3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing.

However, if required in tender documents by way of Special Conditions, a formal agreement duly notarized, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility. Such subcontractor must fulfil 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 sublated, in last 5

years, ending last day of month previous to the one in which tender is invited through a works contract.

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

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

Note for Item 10.1:

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

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

10.2 Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where (as per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022).

V= Advertised value of the tender in crores of Rupees

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

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

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

10.3 Bid Capacity: The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI.

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

10.5 Credentials if submitted in foreign currency shall be converted into Indian currency i.e., Indian Rupee as under:

The conversion rate of US Dollars into Rupees shall be the daily representative exchange rates published by the Reserve Bank of India or entity authorized by RBI to do so for the

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

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

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

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

- 5. If a bidder has successfully completed a work as subcontractor and the work experience certificate has been issued for such work to the subcontractor by a Govt. Organization or public listed company as defined in Note for Item 10.1 Para 10 of the Tender Form (Second Sheet), the same shall be considered for the purpose of fulfilment of credentials.*
- 6. In case a work is considered similar in nature for fulfilment of technical credentials, the overall cost including the PVC amount (if paid) of that completed work or substantially completed work, shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.*
- 7. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of $0.3 \times 0.2 \times \text{value of the work done in the previous entity}$. 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.]*

11. Tenderer Credentials:

Documents testifying tenderer previous experience and financial status should be produced along with the tender. Tenderer(s) who is / are not borne on the approved list of the Contractors of _____ Railway shall submit along with his / their tender:

- (i) Certificates and testimonials regarding contracting experience for the type of job for which tender is invited with list of works carried out in the past.

- (ii) Audited Balance Sheet duly certified by the Chartered Accountant 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) A copy of certificate stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the certificate to be submitted by the bidder is enclosed as Annexure-V. In addition to Annexure-V, in case of other than Company/Proprietary firm, Annexure-V(A) shall also be submitted by the each member of a Partnership firm/Joint Venture (JV)/ Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be, Non submission of a copy of certificate by the bidder shall result in 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 are/is qualifying the Qualifying Criteria mentioned in the Tender Document.
 - (v) The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the Railway there under.
 - (vi)(a) In case of any information submitted by tenderer is found to be false, forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Bid Security besides banning of business for a period of up to two years.
(b) In case of any information submitted by tenderer is found to be false, forged or incorrect after the award of contract, the contract shall be terminated. Bid Security, Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of up to two years.
12. Non-compliance with any of the conditions set forth therein above is liable to result in the tender being rejected.
13. **Execution of Contract Documents:** The successful Tenderer(s) shall be required to execute an agreement with the President of India acting through the _____, _____ Railway for carrying out the work according to the Standard General Conditions of Contract, Special Conditions / Specifications annexed to the tender and Standard Specifications (Works and Materials) of Railway as amended/corrected up to latest correction slips, mentioned in tender form (First Sheet).
14. **Documents to be Submitted Along with Tender**
- (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be.
 - (ii) Following documents shall be submitted by the tenderer:

(a) Sole Proprietorship Firm:

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

(b) HUF:

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

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

(c) Partnership Firm:

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

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

(e) Company registered under Companies Act 2013:

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

(ii) A copy of Certificate of Incorporation

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

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

(f) LLP (Limited Liability Partnership):

(i) A copy of LLP Agreement

(ii) A copy of Certificate of Incorporation

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

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

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

(g) Registered Society & Registered Trust:

(i) A copy of Certificate of Registration

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

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

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

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

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

(vii) After opening of the tender, any document pertaining to the constitution of Sole Proprietorship Firm / Partnership Firm / Registered Company/ Registered Trust / Registered Society / HUF/LLP etc. shall be neither asked nor considered, if submitted. Further, no Suo moto cognizance of any document available in public

domain (i.e., on internet etc.) or in Railway's record/office files etc. will be taken for consideration of the tender, if no such mention is available in tender offer submitted.

(viii) A tender from JV shall be considered only where permissible as per the tender conditions.

(ix) The Railway will not be bound by any change of power of attorney or in the composition of the firm made subsequent to the submission of tender. Railway may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.

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

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

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

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

(a) Should a tenderer

(i) be a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, whether in the executive or administrative capacity or whether holding a pensionable post or not, in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, OR

(ii) being partnership firm / joint venture (JV) / registered society / registered trust etc. have as one of its partners/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 gazetted officer from the said service and as to whether permission for taking such contract, or if the Contractor be a partnership firm or an incorporated company, to become a partner or director as the case may be, has been obtained by the tenderer or the Engineer or officer, as the case may be from the President of India or any officer, duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender.

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

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

JOINT VENTURE (JV) IN WORKS TENDERS

- 17. Participation of Joint Venture (JV) in Works Tender:** This para shall be applicable for works tenders wherein tender documents provide for the same.
- 17.1.** Separate identity/name shall be given to the Joint Venture.
- 17.2.** Number of members in a JV shall not be more than three, if the work involves only one department (say Civil or S&T or Electrical or Mechanical) and shall not be more than five, if the work involves more than one Department. One of the members of the JV shall be its Lead Member who shall have a majority (at least 51%) share of interest in the JV. The other members shall have a share of not less than 20% each in case of JV with up to three members and not less than 10% each in case of JV with more than three members. In case of JV with foreign member(s), the Lead Member has to be an Indian firm/company with a minimum share of 51%.
- 17.3.** A member of JV shall not be permitted to participate either in individual capacity or as a member of another JV in the same tender.
- 17.4.** The tender form shall be purchased and submitted only in the name of the JV and not in the name of any constituent member. The tender form can however be submitted by JV or any of its constituent member or any person authorized by JV through Power of

Attorney to submit tender.

17.5. Bid Security shall be submitted by JV or authorized person of JV either as :

- (i) Cash through e-payment gateway or as mentioned in tender document, or
- (ii) Bank Guarantee bond either in the name of JV, or in the name of all members of JV as per MOU irrespective of their share in the JV if the JV has not been constituted legally till the date of submission of tender.

17.6. A copy of Memorandum of Understanding (MoU) duly executed by the JV members on a stamp paper, shall be submitted by the JV along with the tender. The complete details of the members of the JV, their share and responsibility in the JV etc. particularly with reference to financial, technical and other obligations shall be furnished in the MoU.

17.7. Once the tender is submitted, the MoU shall not normally be modified / altered / terminated during the validity of the tender. In case the tenderer fails to observe/comply with this stipulation, the full Bid Security shall be liable to be forfeited.

17.8. Approval for change of constitution of JV shall be at the sole discretion of the Railway. The constitution of the JV shall not normally be allowed to be modified after submission of the bid by the JV, except when modification becomes inevitable due to succession laws etc., provided further that there is no change in qualification of minimum eligibility criteria by JV after change of composition. However, the Lead Member shall continue to be the Lead Member of the JV. Failure to observe this requirement would render the offer invalid.

17.9. Similarly, after the contract is awarded, the constitution of JV shall not be normally allowed to be altered during the currency of contract except when modification become inevitable due to succession laws etc. and minimum eligibility criteria should not get vitiated. Failure to observe this stipulation shall be deemed to be breach of contract with all consequential penal action as per contract conditions.

17.10. On award of contract to a JV, a single Performance Guarantee shall be submitted by the JV as per tender conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance etc. shall be accepted only in the name of the JV and no splitting of guarantees amongst the members of the JV shall be permitted.

17.11. On issue of LOA (Letter of Acceptance), the JV entity to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement submitted along with the tender, shall be got registered before the Registrar of the Companies under 'The Companies Act -2013' (in case JV entity is to be registered as Company) or before the Registrar/Sub-Registrar under the 'The Indian Partnership Act, 1932' (in case JV entity is to be registered as Partnership Firm) or under 'The LLP Act 2008' (in case JV entity is to be registered as LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the Railways before signing the contract agreement for the work. In case the tenderer fails to observe/comply with this stipulation within 60 days of issue of LOA, contract is liable to be terminated. In case contract is terminated railway shall be entitled to forfeit the full amount of the Bid Security and other dues payable to the Contractor under this contract. The entity so registered, in the registered documents, shall have, inter-alia, following Clauses

17.11.1. Joint and Several Liability - Members of the entity to which the contract is awarded, shall be jointly and severally liable to the Railway for execution of the project in accordance with General and Special Conditions of Contract. The members of the

entity shall also be liable jointly and severally for the loss, damages caused to the Railways during the course of execution of the contract or due to non-execution of the contract or part thereof.

17.11.2. Duration of the Registered Entity - It shall be valid during the entire currency of the contract including the period of extension, if any and the maintenance period after the work is completed.

17.11.3. Governing Laws - The Registered Entity shall in all respect be governed by and interpreted in accordance with Indian Laws.

17.12. Authorized Member - Joint Venture members in the JV MoU shall authorize Lead member on behalf of the Joint Venture to deal with the contract, sign the agreement or enter into contract in respect of the said tender, to receive payment, to witness joint measurement of work done, to sign measurement books and similar such action in respect of the said tender/contract. All notices/correspondences with respect to the contract would be sent only to this authorized member of the JV.

17.13. No member of the Joint Venture shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other members and that of the Railway in respect of the said tender/contract.

17.14. Documents to be enclosed by the JV along with the tender:

17.14.1. In case one or more of the members of the JV is/are partnership firm(s), following documents shall be submitted:

- (i) A notarized copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar.
- (ii) A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper,
- (iii) A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.
- (iv) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract.

17.14.2. In case one or more members is/are Proprietary Firm or HUF, the following documents shall be enclosed:

- (i) A copy of notarized affidavit on Stamp Paper declaring that his Concern is a proprietary Concern and he is sole proprietor of the Concern OR he who is signing the affidavit on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF.

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

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

sign MOU/JV Agreement on behalf of the company and create liability against the company

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

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

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

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

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

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

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

17.15.1 Technical Eligibility Criteria ('a' or 'b' mentioned hereunder): (as per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022)

- (a) For Works without composite components

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

Each other (non-lead) member(s) of JV, who is/ are not satisfying the technical eligibility for the work as per para 10.1 above, shall have technical capacity of minimum 10% of the cost of work i.e., each non-lead member of JV member must have satisfactorily completed or substantially completed during the last 07 (seven)

years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of advertised value of the tender.

(b) For works with composite components

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

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

Note for Para 17.15.1:

a) The Major component of the work for this purpose shall be the component of work having highest value. In cases where value of two or more component of work is same, any one work can be classified as Major component of work.

b) Value of a completed work done by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying his/her compliance to the above-mentioned technical eligibility criteria in the tender under consideration.

17.15.2 Financial Eligibility Criteria

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

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

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

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

18. Participation of Partnership Firms in works tenders:

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

18.2 The partnership firm should have been in existence or should have been formed prior to submission of tender. Partnership firm should have either been registered with the Registrar or the partnership deed should have been notarized as per the Indian Partnership Act, prior to submission of tender.

18.3 Separate identity / name should be given to the partnership firm. The partnership firm should have PAN / TAN number in its own name and PAN / TAN number in the name of any of the constituent partners shall not be considered. The valid constituents of the firm shall be called partners.

18.4 Once the tender has been submitted, the constitution of the firm shall not normally be allowed to be modified / altered / terminated during the validity of the tender as well as the currency of the contract except when modification becomes inevitable due to succession laws

etc., in which case prior permission should be taken from Railway and in any case the minimum eligibility criteria should not get vitiated. The re-constitution of firm in such cases should be followed by a notary certified Supplementary Deed. The approval for change of constitution of the firm, in any case, shall be at the sole discretion of the Railways and the tenderer shall have no claims what-so-ever. Any change in the constitution of Partnership firm after submission of tender shall be with the consent of all partners and with the signatures of all partners as that in the Partnership Deed. Failure to observe this requirement shall render the offer invalid and full Bid Security shall be forfeited.

If any Partner/s withdraws from the firm after submission of the tender and before the award of the contract, the offer shall be rejected and Bid Security of the tenderer will be forfeited. If any new partner joins the firm after submission of tender but prior to award of contract, his / her credentials shall not qualify for consideration towards eligibility criteria either individually or in proportion to his share in the previous firm. In case the tenderer fails to inform Railway beforehand about any such changes / modification in the constitution which is inevitable due to succession laws etc. and the contract is awarded to such firm, then it will be considered a breach of the contract conditions liable for determination of the contract under Clause 62 of the Standard General Conditions of Contract.

18.5 A partner of the firm shall not be permitted to participate either in his individual capacity or as a partner of any other firm in the same tender.

18.6 The tender form shall be submitted only in the name of partnership firm. The Bid Security shall be submitted by partnership firm. The Bid Security submitted in the name of any individual partner or in the name of authorized partner (s) shall not be considered.

18.7 On issue of Letter of Acceptance (LOA) to the partnership firm, all the guarantees like Performance Guarantee, guarantee for various Advances to the Contractor shall be submitted only in the name of the partnership firm and no splitting of guarantees among the partners shall be acceptable.

18.8 On issue of Letter of Acceptance (LOA), contract agreement with partnership firm shall be executed in the name of the firm only and not in the name of any individual partner.

18.9 In case the Letter of Acceptance (LOA) is issued to a partnership firm, the following undertakings shall be furnished by all the partners through a notarized affidavit, before signing of contract agreement.

(a) Joint and several liabilities:

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

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

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

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

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

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

- (i) A notarized copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar.
- (ii) A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm.
- (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract.
- (iv) All other documents in terms of Para 10 of the Tender Form (Second Sheet) above.

18.11 Evaluation of eligibility of a partnership firm:

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

19. Advances to Contractor –

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

Signature of Tenderer(s) _____
Date: _____

(Signature)
(Designation)
Railway Date _____

ANNEXURE - IV
RAILWAY

CONTRACT AGREEMENT OF WORKS

CONTRACT AGREEMENT NO. _____ DATED _____

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

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

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

Contractor _____ (Signature)

Railway: Designation _____

Address _____

(For President of India)

Date _____

Date _____

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

Witnesses: _____

ANNEXURE-V

Reference -Para 6.1 of ITT

**FORMAT FOR CERTIFICATE TO BE SUBMITTED / UPLOADED BY TENDERER
ALONGWITH THE TENDER DOCUMENTS** (as per letter no.2022/CE-I/CT/GCC-
2022/Policy dated 13.12.2022)

I..... (Name and designation)**appointed as the
attorney/authorized signatory of the tenderer.

M/s _____ (hereinafter called the tenderer) for the purpose of
the Tender documents for the work of _____
as per the tender No. _____ of _____ (Railway)**, do hereby solemnly affirm and
state on the behalf of the tenderer including its constituents as under:

1. I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2. I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e., evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5. **I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.**
6. **I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.**
7. I/we certify that I/we the tenderer(s) 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.
8. I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of up to two year. Further, I/we (insert name of the tenderer) ** _____ and all my/our constituents understand that my/our offer shall be summarily rejected.

9. I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may lead to any other action provided in the contract including banning of business for a period of up to two year.
10. 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 TENDERER

Place:
Dated:

****The contents in Italics are only for guidance purpose. Details as appropriate are to be filled in suitably by tenderer.**

Annexure-V(A)

Part I of GCC shall be read as under

ANNEXURE-V(A)

Reference-Para 6.1 of ITT

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

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

1. I/We certify that..... (Constituent firm/constituent partner) is/are not blacklisted or debarred by Railways or any other Ministry/Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as 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:

TENDERER'S CREDENTIALS (BID CAPACITY)

RAILWAY

For tenders having advertised value more than Rs 10 crore wherein eligibility criteria include 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 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 up to 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 up to 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

Para 5 of the Instructions to Tenderers

(Bid Security)

Bank Guarantee Bond from any scheduled commercial bank of India
(On non-judicial stamp paper, which should be in the name of the Executing Bank).

Name of the Bank: -----

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

Beneficiary: Railway

Date: **Bank Guarantee Bond No.:**.....**Date:**-----

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

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

AND

WHEREAS,***[Insert Name of the Bank]***, with its Branch***[Insert Address]*** having its Headquarters office at..... ***[Insert Address]***, hereinafter called the **Bank**, acting through***[Insert Name and Designation of the 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/ Any demand in respect of this Guarantee should reach the Bank within the validity period of Bid Security.

- 7) The Bank Guarantee is unconditional and irrevocable.
- 8) The expressions Bank and Railway herein before used shall include their respective successors and assigns.
- 9) The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the Railway. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No.758.
- 10) The Bank hereby confirms that it is on the SFMS (Structured Financial Messaging System) and shall invariably send the advice of this Bank Guarantee to the following bank details –

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

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

Date

Place.....

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

Witness:

- 1 Signature, Name & Address & Seal
- 2 Signature, Name & Address & Seal

Bank's Seal
*[P/Attorney]*No.

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

Annexure –VIB

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

Each Bidder or each member of a JV must fill in this form separately:**NAME OF BIDDER/JV PARTNER:**

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

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

SEAL AND SIGNATURE OF THE BIDDER

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

(Signature of Chartered Accountant)

Name of CA: _____**Registration No:** _____

(Seal)

Part II

STANDARD GENERAL CONDITIONS OF CONTRACT

GENERAL OBLIGATIONS

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

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

1. (3) If for administrative or other reasons the contract is transferred to the Successor Railway, the contract shall, notwithstanding any things contained herein contrary there to, be binding on the Contractor and the Successor Railway in the same manner and take effect in all respects as if the Contractor and the Successor Railway had been parties thereto from the date of this contract.

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

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

2.(3) Environmental and Forest clearances:

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

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

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

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

6. Assignment or Subletting of Contract: The Contractor shall not assign or sublet the contract or any part thereof or allow any person to become interested therein in any manner whatsoever without the special permission in writing of the Chief Engineer, save as provided below. Any breach of this condition shall entitle the Railway to rescind the contract under Clause 62 of these Conditions and also render the Contractor liable for payment to the Railway in respect of any loss or damage arising or ensuing from such cancellation; provided always that execution of the details of the work by petty Contractor under the direct and personal supervision of the Contractor or his agent shall not be deemed to be sub-letting under this clause.

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

(i) Total value of work to be assigned to sub-contractor(s) shall not be more than 50% of total contract value.

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

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

- (a) In case contractor submits subcontractor's work experience certificate issued by public listed company, the contractor shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.
- (ii) There is no banning of business with the sub-contractor in force over IR.
- (b) The Contractor shall provide to the Engineer a copy of the agreement to be entered into by Contractor with subcontractor. No subcontractor shall be permitted without a formal agreement between Contractor and subcontractor. This agreement shall clearly define the scope of work to be carried out by subcontractor and the terms of payment in clear & unambiguous manner.
- (c) On receipt of approval from Chief Engineer, Contractor shall enter into a formal agreement legally enforceable in Court of Law with subcontractor and submit a copy of the same to the Engineer.
- (d) The Contractor shall intimate to the Engineer not less than 7 days in advance, the intended date of commencement of subcontractor's work.
- (e) Once having entered into above arrangement, Contractor shall discontinue such arrangement, if he intends to do so at his own or on the instructions of Railway, with prior intimation to Chief Engineer.
- (f) The Contractor shall indemnify railway against any claim of subcontractor.
- (g) The Contractor shall release payment to the Sub-contractor(s) promptly and shall endeavour to resolve all issues amicably and speedily with the Sub-contractor(s), so that the execution of work is not affected in any manner whatsoever.
- (h) In addition to issuance of work experience certificate to Contractor, the Engineer, when, based on documents, is satisfied that subcontracted work has been carried out by subcontractor, shall issue work experience certificate to the subcontractor also for the portion of work subcontracted and successfully completed by the sub-contractor.

*Note: Work Experience Certificate to the subcontractor shall be issued only when the contractor's work is complete and contractor is entitled for the issuance of Work Experience Certificate. However, in the same contract, when the Chief Engineer, based on documents, is satisfied that the subcontractor has successfully carried out sublated work; without issuance of work experience certificate to subcontractor at this stage, the Chief Engineer can, **only once**, consider the successfully completed sublated work for the fulfilment of eligibility for further subletting of work to the subcontractor in the same contract. When the contractor's work is complete and contractor is entitled for the issuance of work experience certificate, the subcontractor shall be issued one Work Experience Certificate for the total scope of work executed by the subcontractor in the contract.*

- (i) The responsibility of successful completion of work by subcontractor shall lie with Contractor. Subcontracting will in no way relieve the Contractor to execute the work as per terms of the Contract.
- (j) Further, in case Engineer is of the view that subcontractor's performance is not satisfactory, he may instruct the Contractor to remove the subcontractor from the work and Contractor has to comply with the above instructions with due promptness. Contractor shall intimate the actual date of discontinuation of subcontract to Engineer. No claim of Contractor whatsoever on this account shall be entertained by the Railway and this shall be deemed as 'excepted matter' (matter not arbitrable).
- (k) The permitted subcontracting of work by the Contractor shall not establish any contractual relationship between the sub-contractor and the Railway and shall not relieve the Contractor of any responsibility under the Contract.

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

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

10. Carriage of Materials: No forwarding orders shall be issued by the Railway for the conveyance of Contractor's materials, tools and plant by train which may be required for use in the works and the Contractor shall pay full freight charges at public tariff rates therefor.

11. Use of Ballast Trains: The Railway may agree to allow the Contractor use of the ballast or material trains under such conditions as shall be specially prescribed, provided that the Contractor shall pay for the use thereof charges calculated at public tariff rates on the marked carrying capacity of each vehicle subject to specified minimum charge per day or part of day and provided further that the Contractor shall indemnify the Railway against any claims or

damages arising out of the use or misuse thereof and against any liabilities under the Workmen's Compensation Act, 1923 or any statutory amendments thereto.

12. Representation on Works: The Contractor shall, when he is not personally present on the site of the works place, keep a responsible agent at the works during working hours who shall on receiving reasonable notice, present himself to the Engineer and orders given by the Engineer or the Engineer's representative to the agent shall be deemed to have the same force as if they had been given to the Contractor. Before absenting himself, the Contractor shall furnish the name and address of his agent for the purpose of this clause and failure on the part of the Contractor to comply with this provision at any time will entitle the Railway to rescind the contract under Clause 62 of these Conditions.

13. Relics and Treasures: All gold, silver, oil, other minerals of any description, all precious stones, coins, treasures relics antiquities and other similar things which shall be found in or upon the site shall be the property of the Railway and the Contractor shall duly preserve the same to the satisfaction of the Railway and shall from time to time deliver the same to such person or persons as the Railway may appoint to receive the same.

14. Excavated Material: The Contractor shall not sell or otherwise dispose of or remove except for the purpose of this contract, the sand, stone, clay ballast, earth, trees, rock or other substances or materials which may be obtained from any excavation made for the purpose of the works or any building or produced upon the site at the time of delivery of the possession thereof but all the substances, materials, buildings and produce shall be the property of the Railway provided that the Contractor may, with the permission of the Engineer, use the same for the purpose of the works either free of cost or pay the cost of the same at such rates as may be determined by the Engineer.

15. Indemnity by Contractors: The Contractor shall indemnify and save harmless the Railway from and against all actions, suit, proceedings, losses, costs, damages, charges, claims and demands of every nature and description brought or recovered against the Railways by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.

16.(1) Security Deposit: The Security Deposit shall be 5% of the contract value. The Bid Security submitted by the Contractor with his tender will be retained/encashed by the Railways as part of security for the due and faithful fulfilment of the contract by the Contractor. Provided further that, if Contractor submits the Cash or Term Deposit Receipt issued from a Scheduled commercial bank of India or irrevocable Bank Guarantee Bond from a Scheduled commercial bank of India, either towards the Full Security Depositor the Part Security Deposit equal to or more than Bid Security, the Railway shall return the Bid Security, to the Contractor.

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

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

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

16.(2) (i) Refund of Security Deposit: Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following:

- (a) Final Payment of the Contract as per clause 51.(1) **and**
- (b) Execution of Final Supplementary Agreement or Certification by Engineer that Railway has No Claim on Contractor **and**
- (c) Maintenance Certificate issued, on expiry of the maintenance period as per clause 50.(1), in case applicable.

16. (2) (ii) Forfeiture of Security Deposit: Whenever the contract is rescinded as a whole under clause 62 (1) of these conditions, the Security Deposit already with railways under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 62 (1) of these conditions, the Security Deposit shall not be forfeited.

16.(3) No interest shall be payable upon the Bid Security and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub-Clause 16.(4)(b) of this clause will be payable with interest accrued thereon.

16.(4) Performance Guarantee

The procedure for obtaining Performance Guarantee is outlined below:

- (a) The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty-one) days and up to 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 16 (4) (h) in any of the following forms :-

- a. A deposit of Cash;
- b. Irrevocable Bank Guarantee;
- c. Insurance Surety Bond

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

- d. Government Securities including State Loan Bonds at 5% below the market value;
- e. Pay Orders and Demand Drafts tendered by any Scheduled Commercial Bank of India;
- f. Guarantee Bonds executed or Deposits Receipts tendered by any Scheduled Commercial Bank of India;
- g. Deposit in the Post Office Saving Bank;
- h. Deposit in the National Savings Certificates;
- i. Twelve years National Defence Certificates;
- j. Ten years Defence Deposits;
- k. National Defence Bonds and
- l. 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 up to 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 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%	Nil
Below 5%	5%

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

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

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

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

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

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

The non-submission of request for extension or submission of request within less than 15 days before the expiry of the date fixed for completion of the works, shall make him ineligible for extension under these sub clauses, subject to final decision of Engineer. (As per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022)

17B Extension of Time with Liquidated Damages (LD) for delay due to Contractor (As per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022): The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract and the works must be completed not later than the date(s) as specified in the contract. If the Contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in Clause 17 and 17A, the Railway may, if satisfied that the works can be completed by the Contractor within reasonable short time thereafter, allow the Contractor for further extension of time (Proforma at Annexure-VII) as the Engineer may decide. On such extension the Railway will be entitled without prejudice to any other right and remedy available on that behalf, to recover from the Contractor as agreed damages and not by way of penalty for each week or part of the week, a sum calculated at the rate of Liquidated Damages as decided by Engineer, between 0.05% to 0.30% of contract value of the works for each or part of the week.

For the purpose of this Clause, the contract value of the works shall be taken as value of work as per contract agreement including any supplementary work order/contract agreement

issued. Provided also, that the total amount of liquidated damages under this condition shall not exceed 5% of the contract value or of the total value of the item or groups of items of work for which a separate distinct completion period is specified in the contract.

Provided further, that if the Railway is not satisfied that the works can be completed by the Contractor and in the event of failure on the part of the contractor to complete the work within further extension of time allowed as aforesaid, the Railway shall be entitled without prejudice to any other right or remedy available in that behalf, to appropriate the contractor's Security Deposit and rescind the contract under Clause 62 of these Conditions, whether or not actual damage is caused by such default.

NOTE:

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

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

18.(1) Illegal Gratification: Procuring authorities as well as bidders, contractors and consultants should observe the highest standard of ethics and should indulge in the following prohibited practises, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:

- i) Corrupt practise: Making offers, solicitation or acceptance of bribe, rewards or gifts or any material benefit, in exchange of 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 Coercive 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 Advantages: Improper use of information obtained by the bidder from the procuring entity with 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 statement or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to such investigation or from pursuing the investigation; or by impeding the procuring entity's rights of audit or access to information.

18.(2) Punitive Provisions:

Without prejudice to an 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.
 - 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 payment 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 procurement of the procuring entity for a period not less than one year.
 - b. In case of anti-competitive practices, information for further processing may be filed under a signature of the joint secretary level officer, with the competition commission of India.
 - c. Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

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

EXECUTION OF WORKS

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

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

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

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

In Contracts for works of New Line/Gauge Conversion/Doubling/Railway Electrification, finalized through Tenders having advertised value more than Rs.100 crores (as per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022), the Contractor shall submit a detailed time programme to the Engineer within 30 days after issue of LOA. The program shall include the physical and Financial Progress vis-à-vis program and forecast cash flow adopting Project Management Software such as **Primavera/Sure Track/MS Project etc.** The program must identify the milestones, interface requirements and program reporting elements. The Contractor shall supply, free of cost one set of authorized software to the Engineer and the soft copy of structured program for the project. This shall be updated every month. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress. Each programme shall include:

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

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

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

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

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

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

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

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

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

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

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

failure so-to inspect and report shall constitute an acceptance of the other Contractor's work as fit and proper for the reception of his work, except as to defects which may develop in the other Contractor's work after the execution of his work.

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

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

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

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

22.(2) Drawings and Specifications of the Works: The Contractor shall keep one copy of Drawings and Specifications at the site, in good order, and such contract documents as may be necessary, available to the Engineer or the Engineer's Representative.

22.(3) Ownership of Drawings and Specifications: All Drawings and Specifications and copies thereof furnished by the Railway to the Contractor are deemed to be the property of the Railway. They shall not be used on other works and with the exception of the signed contract set, shall be returned by the Contractor to the Railway on completion of the work or termination of the Contract.

22.(4) Compliance with Contractor's Request for Details: The Engineer shall furnish with reasonable promptness, after receipt by him of the Contractor's request, additional instructions by means of drawings or otherwise, necessary for the proper execution of the works or any part thereof. All such drawings and instructions shall be consistent with the Contract Documents and reasonably inferable there from.

22.(5) Meaning and Intent of Specification and Drawings: If any ambiguity arises as to the meaning and intent of any portion of the Specifications and Drawings or as to execution or quality of any work or material, or as to the measurements of the works the decision of the Engineer thereon shall be final subject to the appeal (within 7 days of such decision being intimated to the Contractor) to the Chief Engineer who shall have the power to correct any

errors, omissions, or discrepancies in aforementioned items and whose decision in the matter in dispute or doubt shall be final and conclusive.

23. Working during Night: The Contractor shall not carry out any work between sun-set and sun-rise without the previous permission of the Engineer. However, if the Engineer is satisfied that the work is not likely to be completed in time except by resorting to night work, he may order the same without confirming any right on the Contractor for claiming any extra payment for the same.

24. Damage to Railway Property or Private Life and Property: The Contractor shall be responsible for all risk to the work and for trespass and shall make good at his own expense all loss or damage whether to the works themselves or to any other property of the Railway or the lives, persons or property of others from whatsoever cause in connection with the works until they are taken over by the Railway, although all reasonable and proper precautions may have been taken by the Contractor. In case the Railway shall be called upon to make good any costs, loss or damages, or to pay any compensation, including that payable under the provisions of the Workmen's Compensation Act or any statutory amendments thereof to any person or persons sustaining damages as aforesaid by reason of any act, or any negligence or omissions on the part of the Contractor; the amount of any costs or charges including costs and charges in connection with legal proceedings, which the Railway may incur in reference thereto, shall be charged to the Contractor. The Railway shall have the power and right to pay or to defend or compromise any claim of threatened legal proceedings or in anticipation of legal proceedings being instituted consequent on the action or default of the Contractor, to take such steps as may be considered necessary or desirable to ward off or mitigate the effect of such proceedings, charging to Contractor, as aforesaid; any sum or sums of money which may be paid and any expenses whether for reinstatement or otherwise which may be incurred and the propriety of any such payment, defence or compromise, and the incurring of any such expenses shall not be called in question by the Contractor.

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

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

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

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

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

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

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

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

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

27.(1) Workmanship and Testing: The whole of the works and/or supply of materials specified and provided in the contract or that may be necessary to be done in order to form and complete any part thereof shall be executed in the best and most substantial workman like manner with materials of the best and most approved quality of their respective kinds, agreeable to the particulars contained in or implied by the specifications and as referred to in and represented by the drawings or in such other additional particulars, instructions and drawings given during the carrying on of the works and to the entire satisfaction of the Engineer according to the instructions and directions which the Contractors may from time to time receive from the Engineer. The materials may be subjected to tests by means of such machines, instruments and appliances as the Engineer may direct and wholly at the expense of the Contractor.

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

(a) The removal from the site, within the time specified in the order, of any materials which in his opinion are not in accordance with the specifications or drawings.

(b) The substitution of proper and suitable materials, and

(c) the removal and proper re-execution, notwithstanding any previous tests thereof or on account payments therefor, of any work which in respect of materials or workmanship is not in his opinion in accordance with the specifications and in case of default on the part of the Contractor in carrying out such order, the Railway shall be entitled to rescind the contract under Clause 62 of these conditions.

(d) The provision of Construction and Demolition Waste Management Rule 2016 issued by Ministry of Environment Forest and Climate Change dated 29.03.2016 and published in the Gazette of India, Part – II, Section -3, Sub-section (ii) are binding upon the Contractor.

Contractor shall implement these provisions at worksites, for which no extra payment will be payable.

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

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

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

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

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

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

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

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

32. Property in Materials and Plant: The materials and plant brought by the Contractor upon the site or on the land occupied by the Contractor in connection with the works and intended to be used for the execution thereof shall immediately be deemed to be the property of the Railway. Such of them as during the progress of the works are rejected by the Engineer under Clause 25 of these conditions or are declared by him not to be needed for the execution of the works or such as on the grant of the certificate of completion remain unused shall immediately on such rejection, declaration or grant cease to be deemed the property of the Railway and the Contractor may then (but not before) remove them from the site or the said land. This clause shall not in any way diminish the liability of the Contractor nor shall the Railway be in any way answerable for any loss or damage which may happen to or in respect of any such materials or plant either by the same being lost, stolen, injured or destroyed by fire, tempest or otherwise.

33.(1) Tools, Plant and Materials Supplied by Railway: The Contractor shall take all reasonable care of all tools, plant and materials or other property whether of a like description or not belonging to the Railway and committed to his charge for the purpose of the works and shall be responsible for all damage or loss caused by him, his agents, permitted sub-contractor, or his workmen or others while they are in his charge. The Contractors shall sign accountable receipts for tools, plants and materials made over to him by the Engineer and on completion of the works shall hand over the unused balance of the same to the Engineer in good order and repair, fair wear and tear excepted, and shall be responsible for any failure to account for the same or any damage done thereto.

33.(2) Hire of Railway's Plant: The Railway may hire to the Contractor such plant as concrete mixers, compressors and portable engines for use during execution of the works on such terms as may be specified in the special conditions or in a separate agreement for Hire of Plant.

34.(1) Precaution During Progress of Works: During the execution of works, unless otherwise specified, the Contractor shall at his own cost provide the materials for and execute all shoring, timbering and strutting works as is necessary for the stability and safety of all structures, excavations and works and shall ensure that no damage, injury or loss is caused or likely to be caused to any person or property.

34.(2) Roads and Water Courses: Existing roads or water courses shall not be blocked cut through, altered, diverted or obstructed in any way by the Contractor, except with the permission of the Engineer. All compensations claimed for any unauthorized closure, cutting through, alteration, diversion or obstruction to such roads or water courses by the Contractor or his agent or his staff shall be recoverable from the Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India.

34.(3) Provision of Access to Premises: During progress of work in any street or thoroughfare, the Contractor shall make adequate provision for the passage of traffic, for securing safe access to all premises approached from such street or thoroughfare and for any drainage, water supply or means of lighting which may be interrupted by reasons of the execution of the works and shall react and maintain at his own cost barriers, lights and other safeguards as prescribed by the Engineer, for the regulation of the traffic, and provide watchmen necessary to prevent accidents. The works shall in such cases be executed night and day, if so ordered by the Engineer and with such vigour so that the traffic way be impeded for as short a time as possible.

34.(4) Safety of Public: The Contractor shall be responsible to take all precautions to ensure the safety of the public whether on public or railway property and shall post such look out men as may, in the opinion of the Engineer, be required to comply with regulations appertaining to the work. Contractor shall ensure placement of barricading / partitions at the place of work to ensure safety of habitants of adjacent area, failing which Engineer may advise stoppage of work as per his discretion.

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

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

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

- (a) Provided for in the contract, or
- (b) Necessary for the proper execution of the works or by the reason of weather conditions or by some default on the part of the Contractor, and or
- (c) Necessary for the safety of the works or any part thereof, or

- (d) Necessary for the safety of adjoining public or other property or safety of the public or workmen or those who have to be at the site, or
- (e) Necessary to avoid disruption of traffic and utilities, as also to permit fast repair and restoration of any damaged utilities, or
- (f) Due to instruction of The National Green Tribunal or any other statutory authority due to high level of pollution in the city of worksite.

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

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

37. Rates for Items of Works:

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

with the execution of the contract and all such other incidental charges or contingencies as may have been specially provided for in the Specifications.

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

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

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

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

(a) Standard Schedule of Rates (SSOR) Items: Any item of work carried out by the Contractor on the instructions of the Engineer which is not included in the accepted Bill(s) of Quantities but figures in the Standard Schedule of Rates (SSOR), shall be executed at the rates set forth in the "Standard Schedule of Rates (SSOR)" modified by the tender percentage as accepted in the contract for that chapter of Standard Schedule of Rates (SSOR). However, the cumulative value of all such extra item(s) together (modified by the respective tender percentage) shall not exceed 10 % of the original contract value.

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

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

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

- i. Analysis of Rates for “Unified Standard Schedule of Rates of Indian Railways (USSOR)”
- ii. Analysis of Rates for “Delhi Schedule of Rates issued by CPWD (DSR)”
- iii. Market Analysis

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

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

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

40A Offloading of Part(s) of Work: At the final stage of completion/ commissioning of work, in case the contractor fails to complete the final part(s) of the work and the value of such part(s) of the work is limited to 5% of the original contract value, the Engineer may allow/decide for offloading of such part(s) of works, either after the Contractor's request in

writing to do so or after serving a 14 (Fourteen) days Suo-moto notice (as per annexure-VIIA), if the Engineer is of the opinion that :-

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

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

VARIATIONS IN EXTENT OF CONTRACT

41. Modification to Contract to be in Writing: In the event of any of the provisions of the contract required to be modified after the contract documents have been signed, the modifications shall be made in writing and signed by the Railway and the Contractor and no work shall proceed under such modifications until this has been done. Any verbal or written arrangement abandoning, modifying, extending, reducing or supplementing the contract or any of the terms thereof shall be deemed conditional and shall not be binding on the Railway unless and until the same is incorporated in a formal instrument and signed by the Railway and the Contractor, and till then the Railway shall have the right to repudiate such arrangements.

42.(1) Powers of Modification to Contract: The Engineer on behalf of the Railway shall be entitled by order in writing to enlarge or extend, diminish or reduce the works or make any alterations in their design, character position, site, quantities, dimensions or in the method of their execution or in the combination and use of materials for the execution thereof or to order any additional work to be done or any works not to be done and the Contractor will not be entitled, to any compensation for any increase/reduction in the quantities of work but will be paid only for the actual amount of work done and for approved materials supplied against a specific order.

42.(2) (i) Unless otherwise specified in the special conditions of the contract, the accepted variation in quantity of each individual item of the contract would be up to 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 up to 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 up to 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 up to 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 contract value.

d.(i) Quantities operated up to 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 up to 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 items, the variation limit of 25% shall apply to the gross quantity of earthwork items and variation in the quantities of individual classifications of soil shall not be subject to this limit.

(v) As far as Standard Schedule of Rates (SSOR) items are concerned, the variation limit of 25% would apply to the value of SSOR schedule(s) as a whole and not on individual SSOR items. However, in case of Non-Standard 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).

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

CLAIMS

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

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

MEASUREMENTS, CERTIFICATES AND PAYMENTS

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

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

(a) It shall be open to the Contractor to take specific objection to any recorded measurements or Classification on any ground within seven days of the date of such measurements. Any re-measurement taken by the Engineer or the Engineer's representative in the presence of the

Contractor or in his absence after due notice has been given to him in consequence of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and Classification of the measurements.

(b) If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.

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

(a) The Contractor shall be paid for the works at the rates in the accepted Bill(s) of Quantities and for extra works at rates determined under Clause 39 of these Conditions on the measurements taken by the Contractor's authorized Engineer in accordance with the rules prescribed for the purpose by the Railway. The quantities for items the unit of which in the accepted Bill(s) of Quantities is 100 or 1000 shall be calculated to the nearest whole number, any fraction below half being dropped and half and above being taken as one; for items the unit of which in the accepted Bill(s) of Quantities is single, the quantities shall be calculated to two places of decimals. Such measurements will be taken of the work in progress from time to time. The date and time on which 'on account' or 'final' measurements are to be made shall be communicated to the Engineer.

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

(i) It shall be open to the Contractor to take specific objection to test checks of any recorded measurement within 7 days of date of such test checks. Any re-test check done by the concerned Railway's authority in the presence of the Contractor or in his absence after due notice given to him in consequent of objection made by the Contractor shall be final and binding on the Contractor and no claim whatsoever shall thereafter be entertained regarding the accuracy and classification of the measurements.

(ii) If an objection raised by the Contractor is found by the Engineer to be incorrect the Contractor shall be liable to pay the actual expenses incurred in measurements.

(b) Incorrect measurement, actions to be taken: If in case during test check or otherwise, it is detected by the Engineer that agency has claimed any exaggerated measurement or has claimed any false measurement for the works which have not been executed; amounting to variation of 5% or more of claimed gross bill amount, action shall be taken as following:

(i) On first occasion of noticing exaggerated/ false measurement, Engineer shall recover liquidated damages equal to 10% of claimed gross bill value.

(ii) On any next occasion of noticing any exaggerated/false measurement, railway shall recover liquidated damages equal to 15% of claimed gross bill value. In addition, the

facility of recording of measurements by Contractor as well as release of provisional payment shall be withdrawn. Once withdrawn, measurements shall be done by railway as per clause 45(i) above.

46.(1) "On-Account " Payments: The Contractor shall be entitled to be paid from time to time by way of "On-Account" payment only for such works as in the opinion of the Engineer he has executed in terms of the contract. All payments due on the Engineer's/Engineer's Representative's certificates of measurements or Engineer's certified "Contractor's authorized Engineer's measurements" shall be subject to any deductions which may be made under these presents and shall further be subject to, unless otherwise required by Clause 16 of these Conditions, a retention of six percent by way of Security Deposits, until the amount of Security Deposit by way of such retentions shall amount to 5% of the total value of the contract provided always that the Engineer may by any certificate make any correction or modification in any previous certificate which shall have been issued by him and that the Engineer may withhold any certificate, if the works or any part thereof are not being carried out to his satisfaction.

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

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

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

(a): Mobilisation Advance –

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

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

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

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

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

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

(b): Advance Against Machinery and Equipment –

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

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

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

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

(ii) The advances shall be used by the Contractor for the purpose of the Contract, and for the purpose for which they are paid. Under no circumstances, shall the advances be diverted for other purposes. Any such diversion shall be construed as a breach of the Contract and the Contractor shall be asked to return the advance at once and pay interest at 15% per annum till the advance is recovered back from him. The Contractor shall return the advance and pay the interest in one go without demur. The Contractor, if required by the Engineer shall provide the details of utilisation of Mobilisation advance.

(iii) If the Contractor is found to have contravened the provision, it will constitute a breach of contract and Railway shall be entitled to terminate the contract and forfeit his Performance Guarantee as well as Security Deposit.

(iv) In cases, where the Contract is rescinded as per clause 62 of the contract or short closed under any other condition(s) of the contract, without making full recovery of advances and accrued interest thereon, by the Railway, such balance of advances and accrued interest thereon shall immediately become due and payable by the Contractor to the Railway. The same shall be recovered from any due of Contractor with the Government of India.

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

46A. Price Variation Clause (PVC):

46A.1 Applicability: Price Variation Clause (PVC) shall be applicable only in tender having advertised value above **Rs. 2 Crores** (as per letter no.2022/CE-I/CT/GCC-2022/Policy dated 14-07-2022) Provided further that, in a contract where PVC is applicable, following shall be outside the purview of price adjustments (i.e., shall be excluded from the gross value of the work for the purpose of price variation):

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

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

46A.3 Validity: Rates accepted by Railway Administration shall hold good till completion of work and no additional individual claim shall be admissible except:

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

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

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

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

(I). For Civil Engineering Works (as per letter No 2022/CE-I/CT/GCC-2022/Policy dated 14.07.2022)

S N	Classification	1A, 2 & 3A	4A	5A	6A	7	8A	9A	1B, 3B, 4B, 5B, 6B 8B & 9B	1C, 3C, 4C, 5C, 6C, 8C & 9C	3D, 4D, 5D, 6D, 8D & 9D	3E, 4E, 5E, 6E, 8E & 9E
	Components											

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

* It shall not be considered for any price variation.

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

1 Earthwork in Formation

1A All Item(s) excluding 1B or/and 1C 1B Item(s) for supply of Steel

1C Item(s) for supply of Cement

2 Ballast Supply Works

3 Tunnelling Works (Without Explosives)

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

3B Item(s) for supply of Steel

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

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

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

4 Tunnelling Works (With explosives)

4A All Item(s) excluding 4B or/and 4C or/and 4D or/and 4E

4B Item(s) for supply of Steel

4C Item(s) for supply of Cement or/and Grout

4D Item(s) for Fabrication & Erection of Structures including supply of Steel

4E Item(s) for Fabrication & Erection of Structures excluding supply of Steel.

5 Building Works

5A All Item(s) excluding 5B or/and 5C or/and 5D or/and 5E

5B Item(s) for supply of Steel.

5C Item(s) for supply of Cement

5D Item(s) for Fabrication & Erection of Structures including supply of Steel

5E Item(s) for Fabrication & Erection of Structures excluding supply of Steel.

6 Bridges & Protection work

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

7 Permanent Way linking

8 Platform, Passenger Amenities

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

9 Any Other Works not covered in Classification 1 to 8

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

46A.7 Formulae: The Amount of variation in prices in various components (labour, material etc.) shall be worked out by the following formulae (as per letter No 2022/CE-I/CT/GCC-2022/Policy dated 14.07.2022)

$$(i) \quad L = \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_F \text{ or } W_{FL}) \times (L_Q - L_B) \times L_C}{L_B \times 100}$$

$$(ii) \quad M = \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (M_Q - M_B) \times M_C}{M_B \times 100}$$

$$(iii) \quad F = \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (F_Q - F_B) \times F_C}{F_B \times 100}$$

$$(iv) \quad E = \frac{W \times (E_Q - E_B) \times E_C}{E_B \times 100}$$

$$(v) \quad PM = \frac{(W \text{ or } W_{SF} \text{ or } W_F \text{ or } W_{SFL} \text{ or } W_{FL}) \times (PM_Q - PM_B) \times PM_C}{PM_B \times 100}$$

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

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

(II) For Railway Electrification Works:

- (viii) $T = [0.4136x(CQ - CB) / CB] \times 85$
 (ix) $R = [0.94x(RT - RO) / RO + 0.06x(ZT - ZO) / ZO] \times 85$
 (x) $N = [(PT - PO) / PO] \times 85$
 (xi) $I = [(IT - IO) / IO] \times 85$
 (xii) $G = [(MQ - MB) / MB] \times 85$
 (xiii) $Er = [(LQ - LB) / LB] \times 85$

Where,

- L Amount of price variation in Labour
 M Amount of price variation in Materials
 F Amount of price variation in Fuel
 E Amount of price variation in Explosives
 PM Amount of price variation in Plant, Machinery and Spares
 S Amount of price variation in Steel Supply Item
 C Amount of price variation in Cement Supply Item
 T Percentage variation payable on the gross value of bill of Concreting (Bill(s) of Quantities for concrete items)
 R Percentage variation payable on the gross value of bill of Ferrous Items (Bill(s) of Quantities for ferrous items)
 N Percentage variation payable on the gross value of bill of Non-Ferrous Items (Bill(s) of Quantities for non-ferrous items)
 I Percentage variation payable on the gross value of bill of Insulator (Bill(s) of Quantities for Insulator items)
 G Percentage variation payable on the gross value of bill of General Works (Bill(s) of Quantities for General items)
 Er Percentage variation payable on the gross value of erection (Bill(s) of Quantities for Erection Item)
 L_C % of Labour Component in the item(s)
 M_C % of Material Component in the item(s)
 F_C % of Fuel Component in the item(s)
 E_C % of Explosive Component in the item(s)
 PM_C % of Plant, Machinery and Spares Component in the item(s)
 S_C % of Steel Supply item Component in the item(s)
 C_c % of Cement Supply item Component in the item(s)
 W Gross value of work done by Contractor as per on-account bill(s) excluding the Gross value of work under W_S or/and W_C or/and W_{SF} or/and W_F or/and W_{SFL} or/and W_{FL} and cost of materials supplied by Railway either free or at fixed rate,

W_S	Gross value of work done by Contractor for item(s) of supply of steel.
W_C	Gross value of work done by Contractor for item(s) of supply of cement and /or supply of grout material.
W_{SF}	Gross value of work done by Contractor for item(s) of Fabrication & Erection of Structures including supply of Steel.
W_F	Gross value of work done by Contractor for Fabrication & Erection of Structures excluding supply of Steel.
W_{SFL}	Gross value of work done by Contractor for item(s) of Fabrication, Assembly, Erection / Launching of Girders including supply of Steel.
W_{FL}	Gross value of work done by Contractor for item(s) of Fabrication, Assembly, Erection / Launching of Girders excluding supply of Steel.
L_B	Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the base period.
L_Q	Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration
M_B	Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the base period
M_Q	Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration
F_B	The average of official prices of Diesel available on the official website of 'Petroleum Planning and Analysis cell' under Ministry of Petroleum and Natural Gas for Delhi, Kolkata, Mumbai & Chennai, for the base period.
F_Q	The average of official prices of Diesel available on the official website of 'Petroleum Planning and Analysis cell' under Ministry of Petroleum and Natural Gas for Delhi, Kolkata, Mumbai & Chennai, for the 3 months of the quarter under consideration
E_B	Index number of Monthly Whole Sale Price Index for the category 'Explosive' of (g). Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the base period.
E_Q	Index number of Monthly Wholesale Price Index for the category 'Explosive' of (g). Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the average price index of 3 months of the quarter under consideration.
PM_B	Index Number of Wholesale Prices in India by Groups and Sub Groups (Averages) for 'Manufacture of machinery for mining, quarrying and construction'– published in RBI (Reserve Bank of India) Bulletin, for the base period.
PM_Q	Index Number of Wholesale Prices in India by Groups and Sub Groups (Averages) for 'Manufacture of machinery for mining, quarrying and construction'– published in RBI (Reserve Bank of India) Bulletin, for the average price index of 3 months of the quarter under consideration.

S_B	The average rate provided by the Joint Plant Committee for the relevant category of steel item as mentioned in Clause 46A.9; for the base period.
S_Q	The average rate provided by the Joint Plant Committee for the relevant category of steel item as mentioned in Clause 46A.9; for the 3 months of the quarter under consideration.
C_B	Index No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the base period
C_Q	No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the average price index of the 3 months of the quarter under consideration
R_T	IEEMA price index for Steel Blooms (size 150mmx150mm) for the month which is two months prior to date of inspection of material.
R_O	IEEMA price index for Steel Blooms (size 150mmx150mm) for the month which is one month prior to date of opening of tender.
P_T	IEEMA price index for copper wire rods for the month which is two months prior to date of inspection of material.
P_O	IEEMA price index for copper wire rods for the month which is one month prior to date of opening of tender.
Z_T	IEEMA price index for Zinc for the month which is two months prior to date of inspection of material
Z_O	IEEMA price index for Zinc for the month which is one month prior to date of opening of tender
I_T	RBI wholesale price index for the sub-group “Insulators” for the month which is two months prior to date of inspection of material.
I_O	RBI wholesale price index for the sub-group “Insulators” for the month which is one month prior to date of opening of tender.

46A.10 Price Variation during Extended Period of Contract

The price adjustment as worked out above, i.e. either increase or decrease shall be applicable up to the stipulated date of completion of work including the extended period of completion where such extension has been granted under Clause 17A of the Standard General Conditions of Contract. However, where extension of time has been granted due to Contractor’s failure under Clause 17B of the Standard General Conditions of Contract, price adjustment shall be done as follows:

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

47. Maintenance of Works: The Contractor shall at all times during the progress and continuance of the works and also for the period of maintenance specified in the Tender Form

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

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

The Engineer may also issue such a certificate indicating date of completion with respect to any part of the work (before the completion of the whole of work), which has been both completed to the satisfaction of the Engineer and occupied or used by the Railway. When any such certificate is given in respect of part of a work, such part shall be considered as completed and the period of maintenance of such part shall commence from the date of completion mentioned in the completion certificate issued for that part of the work.

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

48(3) Final Supplementary Agreement: After the work is completed or otherwise concluded by the parties with mutual consent, and taken over by the Railway as per terms and conditions of the contract agreement, and there is unequivocal no claim on either side under

the Contract other than as mentioned in item 4 of Annexure XIV, the parties shall execute the Final Supplementary Agreement as per Annexure XIV.

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

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

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

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

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

51.(1) Final Payment: On the Engineer's certificate of completion in respect of the works, adjustment shall be made and the balance of account based on the Engineer or the Engineer's representative's certified measurements or Engineer's certified "contractor's authorized engineer's measurements" of the total quantity of work executed by the Contractor upto the date of completion and on the rates accepted in Bill(s) of Quantities and for extra works on rates determined under Clause 39 of these Conditions shall be paid to the Contractor subject always to any deduction which may be made under these presents and further subject to the Contractor having signed delivered to the Engineer enclosing either a full account in detail of all claims he may have on the Railway in respect of the works or having delivered No Claim Certificate and the Engineer having after the receipt of such account given a certificate in

writing that such claims are not covered under excepted matter i.e. Clauses 7(j), 8, 18, 22(5), 39.1, 39.2, 40A, 43(2), 45(i)(a), 55, 55-A(5), 57, 57A, 61(1), 61(2) and 62(1), 63(iv) and 63.2.11 of the Standard General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract, that the whole of the works to be done under the provisions of the Contracts have been completed, that they have been inspected by him since their completion and found to be in good and substantial order, that all properties, works and things, removed, disturbed or injured in consequence of the works have been properly replaced and made good and all expenses and demands incurred by or made upon the Railway for or in the respect of damage or loss by from or in consequence of the works, have been satisfied agreeably and in conformity with the contract.

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

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

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

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

shall be entitled to withhold and have a lien to the extent of the such claimed amount or amounts referred to supra, from any sum or sums found payable or which at any time thereafter may become payable to the Contractor under the same contract or any other contract with this or any other Railway or any Department of the Central Government pending finalization or adjudication of any such claim.

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

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

- i. Any sum of money due and payable to the Contractor (including the Security Deposit returnable to him) under the contract may be withheld or retained by way of lien by the Railway, against any claim of this or any other Railway or any other Department of the Central Government in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with this or any other Department of the Central Government.
- ii. However, recovery of claims of Railway in regard to terminated contracts may be made from the Final Bill, Security Deposits and Performance Guarantees of other contract or contracts, executed by the Contractor. The Performance Guarantees submitted by the Contractor against other contracts, if required, may be withheld and encashed. In addition, 10% of each subsequent 'on-account bill' may be withheld, if required, for recovery of Railway's dues against the terminated contract.
- iii. It is an agreed term of the contract that the sum of money so withheld or retained under this Clause by the Railway will be kept withheld or retained as such by the Railway till the claim arising out of or under any other contract is either mutually settled or determined by arbitration, if the other contract is governed by Arbitration Clause or by the competent court as the case may be and Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this Clause and duly notified as such to the Contractor.

53. Signature on Receipts for Amounts: Every receipt for money which may become payable or for any security which may become transferable to the Contractors under these presents, shall, if signed in the partnership name by anyone of the partners of a Contractor's firm be a good and sufficient discharge to the Railway in respect of the moneys or security purported to be acknowledged thereby and in the event of death of any of the Contractor, partners during the pendency of the contract, it is hereby expressly agreed that every receipt by anyone of the surviving Contractor partners shall if so signed as aforesaid be good and sufficient discharge as aforesaid provided that nothing in this Clause contained shall be

deemed to prejudice or effect any claim which the Railway may hereafter have against the legal representative of any Contractor partner so dying for or in respect to any breach of any of the conditions of the contract, provided also that nothing in this clause contained shall be deemed to prejudice or effect the respective rights or obligations of the Contractor partners and of the legal representatives of any deceased Contractor partners interse.

LABOUR

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

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

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

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

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

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

expenses in connection with any claim thereto and the decision of the Engineer upon any question arising out of the effect or force of this Clause shall be final and binding upon the Contractor.

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

55-A.(1) The Contractor shall comply with the provision of the contract labour (Regulation and Abolition) Act, 1970 and the Contract labour (Regulation and Abolition) Central Rules 1971 as modified from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and the Rules.

55-A.(2) The Contractor shall obtain a valid license under the aforesaid Act as modified from time to time before the commencement of the work and continue to have a valid license until the completion of the work. Any failure to fulfil the requirement shall attract the penal provision of the Act.

55-A.(3) The Contractor shall pay to the labour employed by him directly or through sub-contractors the wages as per provision of the aforesaid Act and the Rules wherever applicable. The Contractor shall notwithstanding the provisions of the contract to the contrary, cause to be paid the wages to labour, indirectly engaged on the works including any engaged by sub-contractors in connection with the said work, as if the labour had been immediately employed by him.

55-A.(4) In respect of all labour directly or indirectly employed in the work for performance of the Contractor's part of the contract, the Contractor shall comply with or cause to be complied with the provisions of the aforesaid Act and Rules wherever applicable.

55-A.(5) In every case in which, by virtue of the provisions of the aforesaid Act or the rules, the Railway is obliged to pay any amount of wages to a workman employed by the Contractor or his sub-contractor in execution of the work or to incur any expenditure on account of the contingent, liability of the Railway due to the Contractor's failure to fulfil his statutory obligations under the aforesaid Act or the rules, the Railway will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred and without prejudice to the rights of the Railway under the Section 20, Sub-Section (2) and Section 2, Sub-Section (4) of the aforesaid Act, the Railway shall be at liberty to recover such amount or part thereof from Contractor's bills/Security Deposit or any other dues of Contractor with the Government of India. The Railway shall not be bound to contest any claim made against it under Sub-Section (1) of Section 20 and Sub-Section (4) of Section 21 of the aforesaid Act except on the written request of the Contractor and upon his giving to the Railway full security for all costs for which the Railway might become liable in contesting such claim. The decision of the Chief Engineer regarding the amount actually recoverable from the Contractor as stated above shall be final and binding on the Contractor.

55-B.Provisions of Employees Provident Fund and Miscellaneous Provisions Act, 1952:The Contractor shall comply with the provisions of Para 30 & 36-B of the Employees Provident Fund Scheme, 1952; Para 3 & 4 of Employees' Pension Scheme, 1995; and Para 7

& 8 of Employees Deposit Linked Insurance Scheme, 1976; as modified from time to time through enactment of “Employees Provident Fund & Miscellaneous Provisions Act, 1952”, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and the Rules.

55-C (i) Contractor is to abide by the provisions of various labour laws in terms of above clause 54, 55, 55-A and 55-B of the Standard General Conditions of Contract. In order to ensure the same, an application has been developed and hosted on website ‘www.shramikkalyan.indianrailways.gov.in’. Contractor shall register his firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The registration/ updation in in Portal shall be done as under:

- (a) Contractor shall apply for onetime registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Engineer shall approve the contractor’s registration in the portal within 7 days of receipt of such request.
- (b) Contractor once approved by any Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all Letter of Acceptances (LoAs) issued in his favour.
- (c) The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoAs) / Contract Agreements on Shramikkalyan portal within 15 days of issue of any LoA for approval of concerned Engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.
- (d) After approval of LoA by Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on Shramikkalyan portal on monthly basis.
- (e) It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour & payments made thereof after each wage period.

(ii) While processing payment of any ‘On Account Bill’ or ‘Final Bill’ or release of ‘Advances’ or ‘Performance Guarantee / Security Deposit’, contractor shall submit a certificate to the Engineer or Engineer’s representatives that “I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in Railway’s Shramikkalyan portal at ‘www.shramikkalyan.indianrailways.gov.in’ till ____Month, ____Year.”

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

The tenderers, for carrying out any construction work, shall get themselves registered with the Registering Officer under Section-7 of the Building and Other Construction Workers Act, 1996 and Rules made thereto by the concerned State Govt., and submit Certificate of

Registration issued by Registering Officer of the concerned State Govt. (Labour Dept.). The Cess shall be deducted from contractor's bills as per provisions of the Act.

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

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

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

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

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

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

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

(i) Prevent any riotous or unlawful behaviour by or amongst his workmen and other employed directly or through the petty Contractors or sub-contractors on the works and for the preservation of peace and protection of the inhabitants and

(ii) Security of property in the neighbourhood of the works. In the event of the Railway requiring the maintenance of a Special Police Force at or in the vicinity of the site during the tenure of works, the expenses thereof shall be borne by the Contractor and if paid by the Railway shall be recoverable from the Contractor.

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

59.(5) Outbreak of Infectious Disease: The Contractor shall remove from his camp such labour and their families as refuse protective inoculation and vaccination when called upon to do so by the Engineer or the Engineer's Representative on the advice of the Railway Medical Authority. Should cholera, plague, or other infectious disease break out, the Contractor shall burn the huts, beddings, clothes and other belongings of or used by the infected parties and promptly erect new huts on healthy sites as required by the Engineer, failing which within the time specified in the Engineer's requisition, the work may be done by the Railway and the cost thereof recovered from the Contractor.

59.(6) Treatment of Contractor's Staff in Railway Hospitals: The Contractor and his staff, other than labourer's and their families requiring medical aid from the railway hospital and dispensaries will be treated as private patients and charged accordingly. The Contractors' labourer's and their Families will be granted free treatment in railway hospitals and dispensaries where no other hospitals or dispensaries are available provided the Contractor pays the cost of medicines, dressing and diet money according to the normal scale and additional charges for special examinations such as pathological and bacteriological examination, X-Ray, etc. and for surgical operation.

59. (7) Medical Facilities at Site: The Contractor shall provide medical facilities at the site as may be prescribed by the Engineer on the advice of the Railway Medical Authority in relation to the strength of the Contractor's resident staff and workmen.

59. (8) Use of Intoxicants: The sale of ardent spirits or other intoxicating beverages upon the work or in any of the buildings, encampments or tenements owned, occupied by or within the control of the Contractor or any of his employees shall be forbidden and the Contractor shall exercise his influence and authority to the utmost extent to secure strict compliance with this condition.

59.(9) Restrictions on the Employment of Retired Engineers of Railway Services Within One Year of their Retirement: The Contractor shall not, if he is a retired Government Engineer of Gazetted rank, himself engage in or employ or associate a retired Government Engineer of Gazetted rank, who has not completed one year from the date of retirement, in connection with this contract in any manner whatsoever without obtaining prior permission of the President and if the Contractor is found to have contravened this provision it will constitute a breach of contract and administration will be entitled to terminate the contract and forfeit his Performance Guarantee as well as Security Deposit.

60.(1) Non-Employment of Labourers below the age of 15: The Contractor shall not employ children below the age of 15 as labourers directly or through petty Contractors or sub-contractors for the execution of work.

60.(2) Medical Certificate of Fitness for Labour: It is agreed that the Contractor shall not employ a person above 15 and below 19 years of age for the purpose of execution of work under the contract unless a medical certificate of fitness in the prescribed form (Proforma at Annexure-VIII) granted to him by a certifying surgeon certifying that he is fit to work as an adult, is obtained and kept in the custody of the Contractor or a person nominated by him in this behalf and the person carries with him, while at work; a token giving a reference to such certificate. It is further agreed that the responsibility for having the adolescent examined medically at the time of appointment or periodically till he attains the age of 19 years shall devolve entirely on the Contractor and all the expenses to be incurred on this account shall be borne by him and no fee shall be charged from the adolescent or his parent for such medical examination.

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

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

permitted to do any work under this contract unless he has been medically examined and certified that he is fit to work in the capacity stated in the certificate.

EXPLANATIONS:

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

(2) The Certifying surgeon may be a medical officer in the service of State or Municipal Corporation.

DETERMINATION OF CONTRACT

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

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

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

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

- (i) Becomes bankrupt or insolvent, or
- (ii) Make an arrangement for assignment in favour of his creditors, or agree to carry out the contract under a Committee of Inspection of his creditors, or
- (iii) Being a Company or Corporation, go into liquidation (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), or
- (iv) Have an execution levied on his goods or property on the works, or
- (v) Assign the contract or any part thereof otherwise than as provided in Clause 7 of these Conditions, or
- (vi) Abandon the contract, or
- (vii) Persistently disregard the instructions of the Engineer, or contravene any provision of the contract, or

- (viii) Fail to adhere to the agreed programme of work by a margin of 10% of the stipulated period, or
- (ix) Fail to Execute the contract documents in terms of Para 8 of the Instructions to Tenderers.
- (x) Fail to submit the documents pertaining to identity of JV and PAN in terms of Para 17.11 of Tender Form (Second Sheet) of Annexure I available in the Instructions to Tenderers.
- (xi) Fail to remove materials from the site or to pull down and replace work after receiving from the Engineer notice to the effect that the said materials or works have been condemned or rejected under Clause 25 and 27 of these Conditions, or
- (xii) Fail to take steps to employ competent or additional staff and labour as required under Clause 26 of these Conditions, or
- (xiii) Fail to afford the Engineer or Engineer's representative proper facilities for inspecting the works or any part thereof as required under Clause 28 of these Conditions, or
- (xiv) Promise, offer or give any bribe, commission, gift or advantage either himself or through his partner, agent or servant to any officer or employee of the Railway or to any person on his or on their behalf in relation to the execution of this or any other contract with this Railway.
- (xv) Fail to adhere to the provisions of Para 16 of Tender Form (Second Sheet) of Annexure I of the Instructions to Tenderers, or provision Clause 59(9) of these Conditions.
- (xvi) Submits copy of fake documents / certificates in support of credentials, submitted by the tenderer

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

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

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

- (a) The Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any commitments or made any advances on account of or with a view to the execution of the works or the

performance of the contract and Contractor shall not be entitled to recover or be paid any sum for any work thereto for actually performed under the contract unless and until the Engineer shall have certified the performance of such work and the value payable in respect thereof and the Contractor shall only be entitled to be paid the value so certified.

(b) In the contract which has been rescinded as a whole, the Security Deposit already with railways under the contract shall be encashed/ forfeited and the Performance Guarantee already submitted for the contract shall be encashed. The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.

Further the authorized representative of failed Contractor cannot be accepted as authorized representative in new contract.

(c) In the contract rescinded in part or parts,

(i) The full Performance Guarantee available for the contract shall be recovered. No additional Performance Guarantee shall be required for balance of work being executed through the part terminated contract. The contract value of part terminated contract stands reduced to the balance value of work under the contract.

(ii) The Security Deposit of part terminated contract shall be dealt as per clause 16(2) of these Conditions.

(iii) The defaulting Contractor shall not be issued any completion certificate for the contract.

(iv) The balance work shall be got done independently without risk & cost of the failed Contractor. The failed Contractor shall be debarred from participating in the tender for executing the balance work. If the failed Contractor is a JV or a Partnership firm, then every member/partner of such a firm shall be debarred from participating in the tender for the balance work in his/her individual capacity or as a partner of any other JV /partnership firm.

(v) Further the authorized representative of failed Contractor will not be accepted as authorized representative in new contract.

(d) The Engineer or the Engineer's Representative shall be entitled to take possession of any materials, tools, implements, machinery and buildings on the works or on the property on which these are being or ought to have been executed, and to retain and employ the same in the further execution of the works or any part thereof until the completion of the works without the Contractor being entitled to any compensation for the use and employment thereof or for wear and tear or destruction thereof.

(e) The Engineer shall as soon as may be practicable after removal of the Contractor fix and determine ex-parte or by or after reference to the parties or after such investigation or

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

SETTLEMENT OF DISPUTES – INDIAN RAILWAY ARBITRATION AND CONCILIATION RULES

63. Conciliation of Disputes:

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

63.1 Matters Finally Determined by the Railway: All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after its completion and whether before or after the determination of the contract, shall be referred by the Contractor to the GM and the GM shall, within 120 days after receipt of the Contractor's representation, make and notify decisions on all matters referred to by the Contractor in writing provided that matters for which provision has been made in Clauses 7(j), 8, 18, 22(5), 39.1, 39.2, 40A, 43(2), 45(i)(a), 55, 55-A(5), 57, 57A, 61(1), 61(2), 62(1), 63(iv) and 63.2.11 of the Standard General Conditions of Contract or in any Clause (stated as excepted matter) of the Special Conditions of the Contract, shall be deemed as 'excepted

matters' (matters not arbitrable) and decisions of the Railway authority, thereon shall be final and binding on the Contractor; provided further that 'excepted matters' shall stand specifically excluded from the purview of the Dispute Adjudication Board (DAB) and Arbitration.

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

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

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

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

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

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

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

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

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

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

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

63.2.9 In the specific cases of any misconduct by any of the members of the DAB, the parties shall have the right to specifically bring it to the notice of the DAB such conduct, through a statement filed with necessary documents in proof of such misconduct and the DAB, after taking NOTICE of such conduct initiate the replacement of the member concerned, in the same manner the member to be replaced was appointed.

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

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

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

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

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

64.(1) : Demand for Arbitration:

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

64.(1)(ii)(a): The demand for arbitration shall specify the matters which are in question, or subject of the dispute or difference as also the amount of claim item-wise. Only such dispute or difference, in respect of which the demand has been made, together with counter claims or set off, given by the Railway, shall be referred to arbitration and other matters shall not be included in the reference.

64.(1)(ii)(b): The parties may waive off the applicability of Sub-Section 12(5) of Arbitration and Conciliation (Amendment) Act 2015, if they agree for such waiver in writing, after dispute having arisen between them, in the format given under Annexure XV of these conditions.

64.(1)(iii)(a): The Arbitration proceedings shall be assumed to have commenced from the day, a written and valid demand for arbitration is received by the Railway.

64.(1)(iii)(b): The claimant shall submit his claims stating the facts supporting the claims along with all the relevant documents and the relief or remedy sought against each claim within a period of 30 days from the date of appointment of the Arbitral Tribunal.

64.(1)(iii)(c): The Railway shall submit its defence statement and counter claim(s), if any, within a period of 60 days of receipt of copy of claims from Tribunal, unless otherwise extension has been granted by Tribunal.

64.(1)(iii)(d): Place of Arbitration: The place of arbitration would be within the geographical limits of the Division of the Railway where the cause of action arose or the Headquarters of the concerned Railway or any other place with the written consent of both the parties.

64.(1)(iv): No new claim shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defence thereof during the course of arbitration proceedings subject to acceptance by Tribunal having due regard to the delay in making it.

64.(1)(v): If the Contractor(s) does/do not prefer his/their specific and final claims in writing, within a period of 90 days of receiving the intimation from the Railways that the final bill is ready for payment, he/they will be deemed to have waived his/their claim(s) and the Railway shall be discharged and released of all liabilities under the contract in respect of these claims.

64.(2): Obligation During Pendency of Arbitration: Work under the contract shall, unless otherwise directed by the Engineer, continue during the arbitration proceedings, and no payment due or payable by the Railway shall be withheld on account of such proceedings, provided, however, it shall be open for Arbitral Tribunal to consider and decide whether or not such work should continue during arbitration proceedings.

64.(3) : Appointment of Arbitrator:

64.(3)(a) : Appointment of Arbitrator where applicability of section 12 (5) of Arbitration and Conciliation Act has been waived off:

64.(3)(a)(i): In cases where the total value of all claims in question added together does not exceed ₹ 1,00,00,000/- (Rupees One Crore), the Arbitral Tribunal shall consist of a Sole Arbitrator who shall be a Gazetted Officer of Railway not below Junior Administrative Grade, nominated by the General Manager. The sole arbitrator shall be appointed within 60 days from the day when a written and valid demand for arbitration is received by General Manager.

64.(3)(a)(ii): In cases not covered by the Clause 64(3)(a)(i), the Arbitral Tribunal shall consist of a panel of three Gazetted Railway Officers not below Junior Administrative Grade or 2 Railway Gazetted Officers not below Junior Administrative Grade and a retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrators. For this purpose, the Railway will send a panel of at least four (4) names of Gazetted Railway Officers of one or more departments of the Railway which may also include the name(s) of retired Railway Officer(s) empanelled to work as Railway Arbitrator to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager shall appoint at least one out of them as the Contractor's nominee and will, also simultaneously appoint the balance number of arbitrators either from the panel or from outside the panel, duly indicating the 'presiding arbitrator' from amongst the 3 arbitrators so appointed. General Manager shall complete this exercise of appointing the Arbitral Tribunal within 30 days from the receipt of the names of Contractor's nominees. While nominating the arbitrators, it will be necessary to ensure that one of them is from the Accounts Department. An officer of Selection Grade of the Accounts Department shall be considered of equal status to the officers in Senior Administrative Grade of other departments of the Railway for the purpose of appointment of arbitrator.

64.3.(a).iii: The serving railway officer working in arbitral tribunal in the ongoing arbitration cases as per clause 64.(3)(a)(i) and clause 64.(3)(a)(ii) above, can continue as arbitrator in the tribunal even after his retirement.

64.(3)(b): Appointment of Arbitrator where applicability of Section 12 (5) of Arbitration and Conciliation Act has not been waived off:

(i) In cases where the total value of all claims in question added together does not exceed ₹ 50,00,000/- (Rupees Fifty Lakh), the Arbitral Tribunal shall consist of a Retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrator. For this purpose, the Railway will send a panel of at least four (4) names of retired Railway Officer(s) empanelled to work as Railway Arbitrator duly indicating their retirement dates to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as arbitrator within 30 days from the date of dispatch of the request by Railway.

The General Manager shall appoint at least one out of them as the arbitrator within 30 days from the receipt of the names of Contractor's nominees.

(ii) In cases where the total value of all claims in question added together exceed ₹ 50,00,000/- (Rupees Fifty Lakh), the Arbitral Tribunal shall consist of a Panel of three (3) retired Railway Officer, retired not below the rank of Senior Administrative Grade Officer, as the arbitrators. For this purpose, the Railway will send a panel of at least four (4) names of retired Railway Officer(s) empanelled to work as Railway Arbitrator duly indicating their retirement date to the Contractor within 60 days from the day when a written and valid demand for arbitration is received by the General Manager.

Contractor will be asked to suggest to General Manager at least 2 names out of the panel for appointment as Contractor's nominee within 30 days from the date of dispatch of the request by Railway. The General Manager shall appoint at least one out of them as the Contractor's nominee and will, also simultaneously appoint the balance number of arbitrators either from the panel or from outside the panel, duly indicating the 'Presiding Arbitrator' from amongst the 3 arbitrators so appointed. General Manager shall complete this exercise of appointing the Arbitral Tribunal within 30 days from the receipt of the names of Contractor's nominees. While nominating the arbitrators, it will be necessary to ensure that one of them has served in the Accounts Department.

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

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

(b) Before proceeding into the merits of any dispute, the Arbitral Tribunal shall first decide and pass its orders over any plea submitted/objections raised by any party, if any, regarding appointment of Arbitral Tribunal, validity of arbitration agreement, jurisdiction and scope of the Tribunal to deal with the dispute (s) submitted to arbitration, applicability of time 'limitation' to any dispute, any violation of agreed procedure regarding conduct of the arbitral proceedings or plea for interim measures of protection and record its orders in day to day proceedings. A copy of the proceedings duly signed by all the members of tribunal should be provided to both the parties.

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

- (a) Serving Gazetted Railway Officers of not below JA Grade level.
- (b) Retired Railway Officers not below SA Grade level, one year after his date of retirement.
- (c) Age of arbitrator at the time of appointment shall be below 70 years.
- (ii) An arbitrator may be appointed notwithstanding the total number of arbitration cases in which he has been appointed in the past.
- (iii) While appointing arbitrator(s) under Sub-Clause 64.(3)(a)(i), 64.(3)(a)(ii), 64.(3)(b)(i) & 64.(3)(b)(ii) above, due care shall be taken that he/they is/are not the one/those who had an opportunity to deal with the matters to which the contract relates or who in the course of his/their duties as Railway servant(s) expressed views on all or any of the matters under dispute or differences. A certification to this effect as per annexure- XVI shall be taken from Arbitrators also. The proceedings of the Arbitral tribunal or the award made by such Tribunal will, however, not be invalid merely for the reason that one or more arbitrator had, in the course of his service, opportunity to deal with the matters to which the contract relates or who in the course of his/their duties expressed views on all or any of the matters under dispute.

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

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

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

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

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

64. (6): The cost of arbitration shall be borne by the respective parties. The cost shall inter-alia include fee of the arbitrator(s), as per the rates fixed by Railway Board from time to time and the fee shall be borne equally by both the parties, provided parties sign an agreement in the format given at Annexure XV to these conditions after/ while referring these disputes to Arbitration. Further, the fee payable to the arbitrator(s) would be governed by the instructions issued on the subject by Railway Board from time to time irrespective of the fact whether the arbitrator(s) is/are appointed by the Railway Administration or by the court of law unless specifically directed by Hon'ble court otherwise on the matter.

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

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

Name of Work:-	“Work contract for complete stripping of mechanical items and fitment of Mechanical Furnishing work and Toilet refurbishment work including plumbing work as per scope of work for LWSCZAC LHB Coaches at RCNK, SNP”
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Part A: - Scope of work for stripping of Mechanical items for LWSCZAC LHB Coaches: -

- I. Lavatory's stripping items i.e., Hopper/ventilation window with Frame, Looking Mirror, all taps, grab bar, health faucet, Paper roll holder Soap dispenser, Dustbin, Wash basin with underneath pipe, Lavatory module, PVC and floor Board, Waste glass wool remove etc.
- II. Passenger area and Gangway Stripping items i.e., All seats to be stripped, All FRP panels Side Wall, Roof Ceiling, AC duct., Aluminum Chequered sheet, All Aluminum Moulding and SS Moulding, Whole coach PVC and mackore board including gangway and doorway area, Sealed window Unit with frame, Saloon sliding door PPE end and NPPE end with mechanism, Main doors, Braille signage, Handrails, Intercar gangway bridge mounting, FRP Trough, Various stickers/ plates for safety/instructions to passengers in gangway, doorway & inside toilets/washrooms etc.
- III. Plumbing Activities to be carried out of Stripping work. - Stripping of Under Frame plumbing items, Under Frame clamping, Water drain, Auxiliary water tank assembly & fitment, Lavatory inside plumbing & Lavatory outside plumbing, Lavatory inside clamping & Lavatory outside clamping, Water Tank (2 X 685), (3x30) Ltr. etc.

Note: After stripping of item (Serviceable) to be submitted to nominated SSE of CWM/RCNK or Dy. CME/RCNK and non-serviceable items to be disposed of at area nominated by concerned SSE nominated by Dy. CME/RCNK. Also ensure complete cleaning of coach before dispatching to next shop.

Part B: Repairing and repainting of FRP item:

Contractor will develop stage wise repairing, repainting and stacking stations in RCNK premises for the below mentioned work to comply with the requirements of MDTs – 118 Rev 01 or latest.

1. Repairing and repainting work of Middle ceiling and Air circulating box: To undertake the repair and repainting of the Fiber Reinforced Plastic (FRP) air conditioning duct, and air circulating box adhering to the RAL 7000 Squirrel Grey color shade and following the MDTs-118 Rev. 01 specification, the process involves several critical steps to ensure durability, aesthetic consistency, and compliance with railway standards.

Surface Preparation:

- a) Cleaning: Thoroughly clean the FRP surface to remove all dust, grease, and contaminants.
- b) Sanding: Use appropriate-grade emery paper to sand the surface, ensuring smoothness and proper adhesion for subsequent layers.
- c) Putty Application: Apply polyester putty to any surface imperfections. Once cured, sand the area to achieve a uniform surface

Painting System as per MDTs-118 Rev. 01 or latest

- a) **Primer Coat:**
 - **Material:** Two-component polyurethane-based primer.
 - **Application:** Apply uniformly over the prepared surface.
- b) **Topcoat:**
 - **Material:** Two-component polyurethane-based anti-graffiti paint.
 - **Finish:** Choose between glossy or matte, depending on the specific area within the coach.
- c) **Clear Coat:** Anti-Graffiti clear coat is to be applies on stipple finish to impart the aforesaid proprieties to the whole system on the FRP components.

Application Guidelines:

- **Method:** Preferably apply the paint using a spray system to achieve a uniform finish. For touch-ups or small areas, a brush may be used.
 - **Mixing:** Ensure thorough mixing of the two-component systems as per the manufacturer's instructions to achieve optimal performance.
 - **Curing:** Allow adequate curing time between coats and before handling, following the paint manufacturer's specification
2. **Repairing and repainting work of Side ceiling:** To undertake the repair and repainting of the side ceiling of a Fiber Reinforced Plastic (FRP) coach ceiling in accordance with RAL DS-9000 color shade and MDTs-118 Rev. 01 specifications, the following detailed procedure should be followed:

Surface Preparation:

- a) **Cleaning:** Thoroughly clean the FRP surface to remove all dust, grease, and contaminants
- b) **Sanding:** Use appropriate-grade emery paper to sand the surface, ensuring smoothness and proper adhesion for subsequent layers.
- c) **Putty Application:** Apply polyester putty to any surface imperfections. Once cured, sand the area to achieve a uniform surface

Painting System as per MDTs-118 Rev. 01 or latest

- a) **Primer Coat:**
 - Material: Two-component polyurethane-based primer.
 - Application: Apply uniformly over the prepared surface.
- b) **Topcoat:**
 - Material: Two-component polyurethane-based anti-graffiti paint.
 - Finish: Choose between glossy or matte, depending on the specific area within the coach.
- c) **Clear Coat:** Anti-Graffiti clear coat is to be applied on stipple finish to impart the aforesaid properties to the whole system on the FRP components.

Application Guidelines

- Method: Preferably apply the paint using a spray system to achieve a uniform finish. For touch-ups or small areas, a brush may be used.
 - Mixing: Ensure thorough mixing of the two-component systems as per the manufacturer's instructions to achieve optimal performance.
 - Curing: Allow adequate curing time between coats and before handling, following the paint manufacturer's specification.
3. **Repairing and repainting work of Side Panel (window and side Middle):** To undertake the repair and repainting of the Fiber Reinforced Plastic (FRP) side wall with modification of charging socket adhering to the RAL 8000 Squirrel Grey color shade and following the MDTs-118 Rev. 01 specification, the process involves several critical steps to ensure durability, aesthetic consistency, and compliance with railway standards.

Surface Preparation:

- a) **Cleaning:** Thoroughly clean the FRP surface to remove all dust, grease, and contaminants.
- b) **Sanding:** Use appropriate-grade emery paper to sand the surface, ensuring smoothness and proper adhesion for subsequent layers.
- c) **Putty Application:** Apply polyester putty to any surface imperfections. Once cured, sand the area to achieve a uniform surface

Painting System as per MDTs-118 Rev. 01 or latest

- a) **Primer Coat:**
 - Material: Two-component polyurethane-based primer.
 - Application: Apply uniformly over the prepared surface.

- b) Topcoat:
 - Material: Two-component polyurethane-based anti-graffiti paint.
 - Finish: Choose between glossy or matte, depending on the specific area within the coach.
- c) Clear Coat: Anti-Graffiti clear coat is to be applied on stipple finish to impart the aforesaid properties to the whole system on the FRP components.

Application Guidelines

- Method: Preferably apply the paint using a spray system to achieve a uniform finish. For touch-ups or small areas, a brush may be used.
 - Mixing: Ensure thorough mixing of the two-component systems as per the manufacturer's instructions to achieve optimal performance.
 - Curing: Allow adequate curing time between coats and before handling, following the paint manufacturer's specification.
 - Any adjustments/repair work if required during actual fitment of the FRP panels inside the coach to be done by the contractor.
4. **Luggage Rack:** Repair, removing of old paint and repainting of aluminum luggage rack as per RAL 9006 (White Aluminum) as per the requirements/specs mentioned in Drawing LZ62101 including conditional repair/supply and fitment of Polycarbonate cover Sheet cover for luggage rack L-1940 MM (As per drawing No. LM62102 alt. nil or latest), Tempered safety glass for luggage rack 6X275X1940(IS: 2553 – 92 as per drawing no. LZ62101 alt. nil), Rubber profile for luggage rack L- 1945 MM (As per drawing No. LZ62112 alt. nil or latest), Rubber profile for luggage rack L- 1945 MM (As per drawing No. LZ62113 alt. nil or latest)
5. **Circulating air duct:** Fitment of new Cover circulating air duct middle comp. NPPE end or PPE end as per MDTS 133 Rev-05 as per Drawing no LW44219, LZ44220 including Cover circ. Air duct middle comp. NPPE and PPE air return grill (Saloon sliding air Return grill Drg. No. LZ44220 alt. nil, LZ44119 alt. nil)

Part C: Fitment work of Mechanical Furnishing and seats fitted:

1. **Main Entrance Door:** Fitment of main entrance door shall be done by the contractor.
2. **Saloon Sliding door PPE and NPPE side:** Fitment of Saloon Sliding door PPE and NPPE side shall be done by the contractor.
3. **End wall door:** Fitment of End wall door shall be done by the contractor.
4. **SS Step Knee:** Fitment of MS step Knee shall be done by the contractor.
5. **Chequered Sheet:** Fitment of Chequered sheet of main entrance door area.
6. **Passenger area flooring:**
 - a) Provision of adequate thermal sound insulation below the flooring as per Spec. No. MMDTS-18009 REV-03 or Latest.
 - b) **Passenger Area & Non-AC Gangway area:** Fitment of new Sound insulating Board 16 mm (Mackore) including gangway door way area with CSK HD TAPPING SCREW ST 4.8X38-COATING AS PER MDTS 057 as per Drg. No. IS:7170-1989, ISO 1482, STEEL shall be done by the contractor.
 - c) **EDPM rubber:** Fitment of new EDPM rubber with 3mm MS strip and Chanel (if required) as per drawing no LW41101 alt D with compliance of MDTS – 49380 or latest.
 - d) **PVC (Blue/Brown):** Pasting of new PVC with Adhesive solution & PVC welding with 4 MM electrode as per Spec: RDSO/2006/CG-12 REVISION 1 WITH AMENDMENT SLIP NO.3 or latest.

7. **Pantry Partition and storage rack:** New Pantry room and pantry partition rack shall be installed with 16 mm ply wood panel and Half Round Moulding shall be arranged by contractor.
8. **SS door frame:** Fitment of SS door frame Planning List Number: MPLDFLFC&SCZAC Version: 7.
9. **Roller blind with stopper:** Supply and fitment of roller blind with stopper as per MDTS 078 Rev.2.
10. **FRP flap:** Fitment of FRP flap at Main Entrance door back side.
11. **Window glass with frame:** Fitment of new Window glass and frame with black Sikaflex 265 and Primer, cleaner air pressure gun uses for Sikaflex 265 as per spec. MDTS 089 REV-04 or latest.
12. **Braille Signage script:** Fitment of heavy-duty Braille Signage with script as per spec BRAILLE SCRIPT to ICF/MD/SPEC-253 or latest.
13. **All type of SS and Aluminum moldings:** Fitment of all type of Aluminum moldings shall be done by the contractor.
14. **Retro reflecting Tape:** Fitment of Retro reflecting Tape.
15. **Centre Table:** Fitment of Centre table and Table angle (As per drawing no. LW64212 alt b. or latest)
16. **Luggage rack polycarbonate coversheet:** Fitment of Luggage rack polycarbonate cover.

Part D: Furnishing Items arranged by the contractor:

SN	Name of Material	Specifications	Total Qty	Unit
1	Door arrangement (RH&LH) for LHB coaches	Door arrangement (RH&LH) for LHB coaches with epoxy zinc phosphate primer to RDSO: M&C/ PCN/ 100/ 2013 as per drawing no. la51100alt.'B'or latest	20	Set
2	Sound insulating wood panels of size 16 X 1250 X 3000mm MDTS-075 rev 3	Sound insulating wood panels of size 16 X 1250 X 3000 mm mds-075 rev 3 or latest	200	Nos.
3	Fixed window for LHB Ac chair car	Fixed window for LHB Ac chair car LZ54107 ALT-b AND MDTS 089 REV-04 or latest	120	Nos.
4	Emergency window For LHB AC chair car	Emergency window For LHB AC chair car LZ54108 ALT-b AND MDTS 089 REV-04 or latest	40	Nos.
5	End wall door complete	End wall door completeLW56350 ALT-H or latest	20	Nos.
6	Entrance Hand Rail Complete Mi004202 Alt B	As PerDrawing:MI004202 ALT – b or latest	80	Nos.
7	Adhesive Solution	Adhesive Solution RUBBER BASED ADHESIVE. SPECIFICATION NO. ICF/MD /SPEC-028 (REV-4) AMENDMENT or latest	250	Ltr.
8	Table Leg Complete	As per drawing No: 2 10113.0.25.095.005 ALT A or latest	20	Nos

9	THERMAL CUM SOUND INSULATION MATERIAL FOR UNDER FRAME OF LHB COACHES SIZE 25X935X1000 MM as per Spec. No. MMDTS 18009 REV-03 or Latest	as per Spec. No. MMDTS-18009 REV-03 or Latest	250	SQM
10	THERMAL CUM SOUND INSULATION MATERIAL FOR ROOF, SIDEWALLS OF LHB COACHES. SIZE 50X935X1000 MM as per Drg. No. MMDTS-18009 REV-03 or Latest	as per Drg. No. MMDTS-18009 REV-03 or Latest	551.7	SQM
11	Aluminum angel molding Size 19 * 25 mm	Aluminum angel molding Size 19 * 25 mm Extruded angle CC43337 or latest	150	KG
12	Extruded aluminum Equal Angle moulding (25 X 25) CC43336	Extruded aluminum Equal Angle Moulding (25 X 25) EXTRUDED EQUAL ANGLE MOULDING CC43336 or latest	200	KG
13	Aluminum molding flat 25 MM	Aluminum molding flat 25 CC43334 MM EXTRUDED FLAT MOULDING SIZE or latest	200	KG
14	Extruded aluminum equal Angle molding (55 X 35)	Extruded aluminum equal Angle molding (55 X 35) EXTRUDED ANGLE MOULDING WITH CC43353 or latest	40	KG
15	Extruded Aluminium J base	Extruded Aluminum J base EXTRUDED J-MOULding DRG. NO.CC43339, alt (b) 2000 mm LENGTH. or latest	200	KG
16	SELF ADHESIVE INSULATION MATERIAL SIZE 20x1250x1250 MM as per Drg. No. MDTS 116.	as per Drg. No. MDTS-116 or latest	40	Nos.
17	Coat hook	Coat hook MDTS 071 REVISION 0 or latest	780	Nos.
18	Intercar gangway bridge mounting arrangement	Intercar gangway bridge mounting arrangement, As per drawing No. 1 10113.0.24.100.001, ALT-R2 EXCEPT ITEM-4 & TO RDSO SPEC. NO. RDSO/2007/CG-05 (REV. 1 of NOV 2018) or latest drawing and spec shall be followed.	20	Set
19	PVC FLOORING ROLL 1 AC-2X1850X14000 MM, COLOUR BLUE, WITH PVC WELDING ELECTRODE DIA 4MM =12MTRS PER ROLL	PVC FLOORING ROLL 2X1850X14000 MM, COLOUR BLUE, as per Spec: RDSO/2006/CG-12 REVISION 1 WITH AMENDMENT SLIP NO.3 OF AUGUST 2016 WITH PVC WELDING ELECTRODE DIA 4MM=12 MTRS PER ROLL, or latest	35 Roll	Nos.
20	Sun mica	SPECN. C-K 514 REV.- 04 OF DEC.-05 WITH AMENDMENT -06 CORRIGENDUM 1 SHADE RDSO SAMPLE CODE NO. AC-SP 02 SIZE 2440 X 1220 X3MM or latest	100	Nos.

21	Al Chequered sheet	Al Chequered sheet ALUMINIUM CHEQUERED SHEET SPECIFICATION- C-8217(REV-2) SIZE- 2774 X 825 X 2.03mm. GR.65 032-WP. or latest	220	KG
22	Crest for Indian Railway	Crest for Indian Railway CC26145 ALT-D or latest	20	Nos.
23	Strip Fixing	As per Drg. No. LZ41118	1380	Nos.
24	Fixing Strip	As per Drg. No. LZ41119	830	Nos.
25	Fixing Strip	As per Drg. No. LE41126	320	Nos.
26	SET OF SS DOOR FRAME ITEM FOR LHB CHAIR CAR COACHES	as per planning list no. MPLDFLFC& SCZAC VERSION 7 or latest	20	Set
27	Saloon sliding door, nppe end mdts 082 revision 4 and guide rod to raw material EN 31	Saloon sliding door, nppe end mdts 082 revision 4 and guide rod to raw material EN 31 with SS Door frame	10	Nos.
28	Saloon sliding door, PPE End.MDTS082 revision 4	Saloon sliding door, PPE End.MDTS082 revision 4 with SS Door frame	10	Nos.
29	Bottom extrusion	Bottom extrusion	200	Nos.
30	Sticker of safety message near gates with heavy duty Braille script	Sticker of safety message near gates With Braille script CC64373 ALT-A or latest	40	Nos.
31	Roller Blind with stopper	Roller Blind with stopper MDTS 078 Revision 02 or latest	160	Nos.
32	DOOR STOPPER FOR LHB COACHES	MI004112 ALT a or latest	40	Nos.
33	NON-AC AREA CEILING MOUNTING FOR EXECUTIVE AND CHAIR CAR (EOG) LHB TYPE COACHES CEILING PANTRY MOUNTING	Drawing no: 110113.0.21.420.001 and 110113.0.21.420.003 or latest	10	Coach set
34	SUPPLY for PVC EDGE 30 MM WIDTH VHB TAPE FOR SEALING FOR INTERIOR PANELLING GAPS in LHB COACHES make 3M or Similar		400	Mtr.
35	SET OF CIRCULATING AIR BOX FOR LHB AC CHAIR CAR	as per planning list MPLCABLJSCZAC VERSION 5 and As per drawing no. LZ44257 alt. nil, LZ44238 alt. nil or latest	20	Set
36	Layout of lettering inside for 2nd class ac chair car (EOG) LHB coaches with heavy duty Braille script	Layout of lettering inside for 2nd class ac chair car (EOG) LHB coaches with heavy duty Braille script LZ64001 ALT d ITEM NO.5,9,18,21,23&26 WITH BRAILLE SCRIPT to ICF/MD/SPEC-253 or latest	10	Set
37	SET OF TABLE PLATES FOR L2CCEA	As per planning list no MPLTABLEL2CCEA Version 1 or latest	2	Nos.
38	Repairing and painting of FRP items	As per MDTS – 118 Rev 01 or latest	10	Coach

39	Repairing and repainting of luggage rack	As per Drawing LZ62101 or latest	10	Coach
40	Screw & Fastener Kit		10	Coach Set
41	SS step (knee)	SS step(knee) LW41106 or latest	40	Nos.
42	ABSORPTION STRIP	as per Drawing: LW41101 ALT d. latest with compliance of MDTs – 49380 or latest	400	Nos.
43	ADHESIVE FOR LHB COACHES	600 ML TUBE PACKING SIKAFLEX 265 OF M/s SIKA OR TEROSTAT 8590 OF M/s HENKEL OR TOTALSEAL 100 OF M/s LJF or 08609 WINDO-WELD SUPER FAST URETHANE OF M/s 3M SPEC.	400	Ltr.
44	Pantry room and storage room ready with 16 mm ply wood panel with painting and wooden round moulding.		10	Coach Set
45	LUGGAGE RACK MODULES (WITHOUT LIGHTS) FOR LHB 2ND AC CHAIR CAR COACHES., as per Drawing: LZ62100 ITEM 1 TO 6 & 27	as per Drawing: LZ62100 ITEM 1 TO 6 & 27 or latest	2	Set On condition basis (20% of total coaches qty.)
46	SET OF FRP CEILING SHEET ASSEMBLIES FOR LHB CHAIR CAR	As per planning list MPLCESLJSCZAC version 2 or latest	2	Set On condition basis (20% of total coaches qty.)
47	SET OF FRP SIDE WALL PANELS FOR LHB CHAIR CAR	as per planning list MPLSWPLJSCZAC VERSION 9. or latest	2	Set On condition basis (20% of total coaches qty.)
48	Electro Pneumatic Pressurized flushing system to be introduced in place of normal flushing system	As per MMDTS 19027 Rev-03 or latest.	30	Nos.

Part F: Scope of work for Lavatory Upgradation: Toilet Up-gradation of LWSCZAC LHB Coaches during MLR schedule at RCNK, SNP.

SN	Name of Material	Specifications	Total Qty	Unit
1	Flooring: Epoxy Flooring	Polymerized floor topping in lavatory area as per RCF spec MDTs 44289 or latest	30	Nos.
2	Toilet Door	Existing Toilet Door to be replaced with new. Louvre to be made of Aluminum. Door colour to match with interior color (with	30	Nos.

		DGFRP sheet minimum 1.6mm thick) MDTS 46303 Rev Nil or latest		
3	Inside Lavatory Wash basin	Inside Lavatory Wash Basin Bowl along with Counter Top shall be made as per MMDTS-18008 for LHB AC toilet as per drg. No. JUDW/MECH/18- 667 ITEM NOS. 1,3 & 4. MMDTS- 18008 Rev.01 or latest	30	Nos.
4	Modification of inside Corian wash basin to accommodate SS dustbin		30	Nos.
5	Supply and fitment beading on washbasin counter alongside wall outer wall as per drg. No. JUDW/MECH/23-805		30	Nos.
6	Inside Lavatory Dustbin	Inside Lavatory Dustbin shall be provided in below the washbasin counter top and shall be duly finished to provide a neat lock It shall have openable door panel having SS dustbin (cage type) inside door panel to be fixed as per Drg. JUDW/MECH/18-667 except ITEM Nos. 1,3 & 4. MMDTS- 18008 Rev.01 or latest	30	Nos.
7	Mirrors (5 mm thickness) (Inside Lavatory)	Large size flushed mirror as per drg. No. JUDW/MECH/20-696 thick ness of mirror min. 5 mm (brand like saint Gobin, Modi Guard, AIS) etc. MMDTS- 18008 Rev.01 or latest	30	Nos.
8	CDTS Panel Door/FRP attachment wall with all S.S. fittings	Modified CDTS panel cover in door way to be fixed with all S.S. fittings FRP with 5 mm thickness & painted with water base paint	6	Nos.
9	Supply of FRP V Moulding and flats as per drg.no. JUDW/MECH/23-816		40	Nos.
10	Supply of FRP Outer wall as per drg.No. JUDW/MECH/23-818		20	Nos.
11	Supply & fitment of Modified FRP wall		20	Nos.
12	Supply and fitment of Modified detachable wastebin arrangement		20	Nos.
13	Water tap for Basin (Inside)	Basin Tap: For every washbasin Anti-theft Water taps with plate arrangement quarter turn or Prismatic type (Brand/Make- Jaquar/ Kohler/Grohe/Dolphin/TOTO/Susa) As per Model No. FUS-CHR-29037 of Jaquar	30	Nos.
14	Health faucet Angle tap valve inside each toilet	A health faucet to be provided in each toilet Length of flexible pipe to be 7pprox.. 900 mm. The sprinkler & flexible hose to be chrome plated. All fittings to be of Susa/ Jaquar/ Kohler/ CERA make only As per Model No. FUS-CHR-29041 and ALD-	30	Nos.

		CHR-585 of Jaquar		
15	Paper Roll Holder	For western style toilet make susa/Jaquar/Kohlar/CERA S.S 304 as per jaquar model no.ACN-CHR-1153S	10	Nos.
16	Heavy Duty Commode Lid with Hydraulic Soft Closure	Barand Alpine, Tip Top	10	Nos.
17	Automatic Hygiene control system	RDSO/2008/CG-11	30	Nos.
18	Liquid soap dispenser with anti-pilferage arrangement (Brand/make - Bobrick, Dolphin, Gojo, ACME, SUSAS)		30	Nos.
19	Toilet ceiling Complete (Per Toilet)	ALCU Bond Ceiling for Inside Toilet with 5mm thickness. As per shade approved	30	Nos.
20	PU Pigment Polish (ASTRA, SIRCA/IKA) on the Non-AC area of doorway & gangway of existing wall, Inside of main entrance door, Linen area and almirah.		9000	Square Feet
21	Toilet inside decorative coating (Per Toilet)	Fire barrier decorative coating for improved aesthetics and anti-graffiti properties as per MMDTS 20046 including repair of FRP wall before paints	30	Nos.
22	Supply design manufacture & fitment of SS dustbin in powder coated.		30	Nos.
23	Toilet bowl seat cover for Western Commode shall be made as per MCF Spec. MMDTS18008 for inside LHB AC toilet (Per Piece) as per Drg. No. JUDW/MECH//18-669		10	Nos.
24	Lavatory Wall section 5 Complete	As per drawing No. 2 10113.0.30.400.005	30	Nos.
25	CDTS Panel Door/FRP attachment wall with all S.S. fittings	Modified CDTS panel cover in door way to be fixed with all S.S. fittings	30	Nos.
26	FRP Flap		10	Coach Set
27	CDTS panel EPDM rubber beading 5 MM thickness	5MM ThicknessX25 MM width 30	30	Nos.
28	Attachment wall for lavatory accessories of LHB type coaches	As per drawing No. LE63154 alt.f	30	Nos.
29	Grab handle	As per drawing No. LE63158 alt. nil	30	Nos.
30	FRP Lavatory trough floor Indian style	As per drawing No. 1 10113.0.30.300.001	20	Nos.
31	Toilet FRP Flooring	As per drawing No. 1 10113.0.30.095.083	10	Nos.

	western style			
32	Lavatory window cover	As per Drawing No. 210113.0.30.400.006	30	Nos.
33	Lavatory door stopper	RCNK/MECH/25-013	30	Nos.
34	Lavatory window with fixed Louvers and sealed glass unit for LHB coaches	As per drawing no. LW54188	30	Nos.
35	DZUS Lion Quarter Turn Fastener Assembly [85-11-560]	Dzus Lion Quarter Turn Fastener Assembly – (85-11-560 Assly) – 1. Stud: 85-11-560-16. 2. Receptacle: 85-35-309-56. 3. Push-on plastic Retainer: 85-34-301-12	520	Nos.
36	Kimberly- clerk professional Aquarius Personal Seat cover dispenser white		10	Nos.
37	EURO BOWL ASSEMBLY COMPLETE (Western Style)	as per Drg. No. RCF DRG NO.LS63117 ALT A OR LATEST	10	Nos.
38	TOILET BASIN ORIENT TYPE FOR CDTS OF LHB COACHES PART NO: - M/S VIBHU PART NO 24002 OR EQUIVALENT	as per Drg. No. RCF DRG NO. LE63202 alt. e or LATEST	20	Nos.

Part G: Scope of work Plumbing: Scope of work for Plumbing fitment and supply activity to be done in LHB coach.

1. Water tank cleaning, repair, leakage testing and buffing by contractor.
2. Stripped item shall be transport to the designated place at RCNK/SNP within 02days of stripping and handed over to SSE/Furnishing with proper stripped item list
3. Plumbing Activities to be carried out of Fitting work. –
 - i. Under Frame plumbing.
 - ii. Under Frame clamping.
 - iii. SFME (side filler module equalizing.)
 - iv. Pump connection.
 - v. Water Tank cleaning, buffing, leakage testing and filling.
 - vi. Auxiliary water tank assembly & fitment, Lavatory inside plumbing & Lavatory outside plumbing.
 - vii. Lavatory inside clamping & Lavatory outside clamping.
 - viii. Health faucet pipe and bracket fitting.
 - ix. Water circulation system testing.
 - x. Other Miscellaneous plumbing work.
 - xi. Water Tank (2 X 685), (3x30), ltr. Loading as per condition of coach.
 - xii. Buffing and polishing of stripped item shall be carried out by contractor.
 - xiii. Buffing and polishing of stripped water tank shall be done by the contractor.
 - xiv. Water drains pipe support bracket fitting.

3.1 Precautions while working on coach: -

- i. Latest applicable versions of the drawings are to be followed as per design master list.

- ii. Suitable drilling/tapping should be done with the help of drilling machine for fixing/mounting of items/assemblies as per respective drawings.
- iii. All hardware is to be fitted as per respective drawing.
- iv. Hammering of screws is strictly prohibited.
- v. Broken head screw, loose screw is not at all acceptable.
- vi. Don't leave extra screws scattered in the coach.
- vii. Excess scrap and scattered material should be removed from the coach after completion of stage work.
- viii. Always use standard m/c & hand tools during working.
- ix. Proper electrical extension board should be used to operate the electrical equipment. Do not use the loose electric wires.
- x. There should not be any metal contact with water tank.
- xi. Water tank should be loaded on coach carefully to avoid any defect due to mishandling.
- xii. All pipe screw joints must be properly sealed against water leakage with the help of pipe thread tape (Teflon tape), M-seal, Araldite & red oxide zinc chromate paste.
- xiii. Pipe ends shall have taper pipe threads to IS: 554-85, ISO 7/1 R1/2. xiv) Tightened the screws at the proper torque mentioned in respective drawings.
- xiv. Metallic part to be painted with red oxide zinc chromate primer to IS: 2074-79 with 12-15 microns DFT before fitment.
- xv. Clamping to be done at the pitch of 500 mm.
- xvi. No empty drums of paint should be used, as PVC sheet in the lavatory will be damaged. Proper wooden stools should be used for fitment of interior accessories.
- xvii. No empty drums of paint should be used, as PVC sheet in the lavatory will be damaged. Proper wooden stools should be used for fitment of interior accessories.
- xviii. Suitable drilling/ tapping should be done with the help of drilling machine for fixing/ mounting of items/ assemblies as per respective drawings) Proper electrical extension board should be used to operate the electrical equipment. Do not use the loose electric wires as an extension board.

3.2 Procedure for fixing of roof water tank 30 liters NPP end, PP end in LHB coaches:

- i. Fix the assembly of vacuum valve, hex. Double nipple, plug & equal tee female thread with the water tank as per respective drawing.
- ii. Fix the assembly of automatic float air vent valve, hex. Reduction & male female elbow with the other end of water tank as per respective drawing. Set & align the water tank (30 Liters) NPP/PP End in lavatories & fix with shell member with the help of taut bend & adequate hardware as per respective drawing.
- iii. Apply the sealing paste on the threads as per respective drawing to prevent leakage of water.
- iv. Load the water tank in the coach carefully.
- v. Set & align the water tank 30 liters NPP End/PP End in lavatories and fix with shell member with the help of taut bend and adequate hardware as per respective drawing.

3.3 Procedure for fixing of piping arrangement for overhead aux. water tanks:

- i. Set and fix the plug with aux. water tanks as per respective drawing.
- ii. Connect the ball valve with pipes and join the pipes to each other with the help of equal tee as per respective drawing.
- iii. Set and fix the composite pipes with aux. water tanks with the help of female elbow & hex nipple as per respective drawing.

- iv. Set and fix the composite pipes with lavatory wall with the help of supporting bracket, clip and adequate hardware as per respective drawing.

3.4 Procedure for fixing of pipe laying for water under the coach in LHB coaches:

- i. Set & fix the brackets/bracket complete on under-frame with the help of adequate hardware as per respective drawing.
- ii. Putting together and adjusting of adequate pipes, mounting on under frame with add-on parts & fastening with tube clip & pipe brackets with the help of adequate hardware as per respective drawing.
- iii. Set and fix the protective sheet complete and connection hose flexible on under frame with the help of adequate hardware as per respective drawing.
- iv. Set the adequate pipes installation of lavatory cells and fix the help of adequate hardware as per respective drawing.
- v. Check the pipes for tightness after fitment.
- vi. Fix the Hex nipple, Elbow, Bush and coach watering inlet with strainer at one end of water tanks and other end with the help of fixing clip as per respective drawing.
- vii. Weld the Clamp of filling flap & Angle complete with under frame as per respective drawing.

3.5 Common procedure for fixing of pipe laying for water at ORIENT-2, ORIENT-1 & EURO-1 lavatory in coaches:

- i. Set & fix the composite pipes with water tank with the help of hex nipple, equal elbow & adequate hardware as per respective drawing.
- ii. Connect the pipes with the help of composite internal seal tee, ball valve and adequate hardware as per respective drawing.
- iii. Fix the pipes with wall with the help of brackets & adequate hardware as per respective drawing.
- iv. Fix the bib cock with wall with the help of elbow equal & adequate hardware as per respective drawing.
- v. Fix the pipe in health faucet with the help of bracket, clamp & adequate hardware and fix the gravity coke with pipe for lota filler as per respective drawing.
- vi. Fix the drain pipe with integrated connecting socket with the help of adequate hardware as per respective drawing.

3.6 Tentative Applicable Drawings (Subjected to smaller Changes variant wise)- LE90007; LW90025; LW63150; LE63106; LE63160; LE63161; LE63157; LW63167; LE63227; LS90014; LS63100; LS63101; LS63121; LS63122; LG90013; LG63105; LG63106; LG63129; LG63140; LG63165; LE63142; LS63122, LP63117, CC63135 LE63243 etc. Some similar drg. can be replaced and added latest drg. as per approval of competent authority.

Note- Any modifications/ changes in the pipes/fittings if required at the time of fitment activity to be done by the contractor.

Part H: Material arranged by the contractor for LWSCZAC LHB coaches during MLR schedule at RCNK, SNP is in below annexures III

Under Frame fitting Item for (2X685)				
SN	Name of Material	Specification/Drawing	Total Qty	Unit
1	Water tank (2*685 Ltr.) assembly for LHB coaches	as per drawing No. CC63135 alt. J or latest	2	Nos.
2	Water in late connector		20	Nos.
3	Hex nipple 40mm		20	Nos.
4	Elbow 40mm 45' band		20	Nos.

5	Nipple 40mm length 8 Inch		20	Nos.
6	Bush 40x50mm		20	Nos.
7	Hex nipple 50mm		20	Nos.
8	Elbow 50mm		20	Nos.
9	Hex nipple 32mm		30	Nos.
10	Tee 32mm		10	Nos.
11	Ball valve 32mm		10	Nos.
12	Ball valve 25mm		10	Nos.
13	Nipple 32mm length 6' inch		70	Nos.
14	Male female Elbow 32mm		10	Nos.
15	Hex nipple 32x25mm		20	Nos.
16	Y sterner Filter		10	Nos.
17	Nipple 25mm both side threading length 6 inches		10	Nos.
18	U clamp 32mm		30	Nos.
19	Hose rubber pipe		10	Mtrs.
20	Washer, Nut, Bolt 12x60mm (Grade A 2-70 Make- Unbrako, TVS, DFL)		80	Nos.
21	Washer, Nut, Bolt 10x30mm (Grade A 2-70 Make- Unbrako, TVS)		80	Nos.
22	Flexible hose connection pipe 25x825mm		10	Nos.
23	40mm Nipple length 8 inches		20	Nos.
24	water level gauge		20	Nos.
25	Nipple 15mm length 6 inches		20	Nos.
26	warm drive clamp 45mm		120	Nos.
27	32mm Male female Elbow		10	Nos.

SS Pipe fitting Items

SN	Name of Material	Specification/Drawing	Total Qty	Unit
1	SS Pipe 18mm with pipe laying.	As per DIN2391-C-DIN17456 GRADE 1.4301(X5CrNi1810) NBK 3.1B / LZ63100 alt. nil or latest	520	Mtrs.
2	SS Pipe Size 22 mm	As per DIN 2391 – C- DIN 17456 grade 1.4301 (X5CrNi 1810) or latest	4	Mtrs.
3	Tube end Reducer	As per Drg no. RED28/22LA3C as per MDST-108 REV NIL. or latest	10	Nos.
4	Tee Reduction	As per Drg no. TR22/22/18LCF ERMETO or equivalent with infrastructure requirement as per MDTS-108 REV NIL. or latest	10	Nos.
5	Hex Bush (32x15) mm	As per Drg no. IS:1239-92 PT,2 TABLE- 27, AISI304 or latest	20	Nos.
6	Union 18mm	As per Drawing: G18LCF of M/S Parker or 0112252007 or latest	60	Nos.
7	Male stud connector 15/18mm	As per Drg. No. GE18LR1 /2KEGCF as per MDST-108 REV NIL. or latest	100	Nos.
8	Male stud connector 22 mm	As per Drg. No. GE22LR3/	10	Nos.

		4KEG71 of M/s ERMETO or Equivalent. or latest		
9	Pipe Clip/ Tube Clip	TUBE CLIP TO DRG.NO. 3 10113.0.30.095.079 ALT 'A' DRAWING 07241843 or latest	260	Nos.
10	Channel Bracket	as per Drg.No. 3 10113.0.30.095.188	260	Nos.
11	Single Tube Clip	PIPE CLAMP as per Drg.No. LW63108 ITEM 7 ALT 'NIL' or latest	110	Nos.
12	Tee/Union 18mm	as per Drawing: T18LCF ERMETO or equivalent with infrastructure requirements AS PER MDST-108 REV NIL or latest	10	Nos.
13	L Bracket	as per Drawing: 3 10113.0.30.095.077 ALT A or latest	300	Nos.
14	Tee Increasing Size-15x15x20	TEE INCREASING 15X20MM FORGED AND GALVANISED IS:1239(PART-2)-1992, TABLE- 12, CLAUSE 13.1 & 1011.1(a), packing instructions: - PI042 Ver1 or latest	10	Nos.
15	Flexible connection pipe Size- 20x675	as per Drawing: AE63201, Packing Instruction: PI021: CARD BOARD BOXES or latest	10	Nos.
16	Hex nipple 20mm	DRG NO CC36953 Alt. a. ITEM-4, AISI 304 ALTERNATIVELY ASTMA351, CF-8 or latest	10	Nos.
17	Bolt 8x30mm (Grade A 2-70 Make- Unbrako, TVS, DFL)		300	Nos.
18	Washer 8mm		600	Nos.
19	Bolt 6x30mm (Grade A 2-70 Make- Unbrako, TVS, DFL)		800	Nos.
20	Washer 6mm		1600	Nos.
AWT tank 30 Ltr. Tank fitting items				
SN	Name of Material	Total Qty	Unit	
1	AWT tank 30 Ltr. As per drawing No. LW63150 alt. e or latest	6	Nos.	
2	Tee 20mm	30	Nos.	
3	Hex nipple 20mm	60	Nos.	
4	Hex bush 20x15mm	30	Nos.	
5	Elbow male female 20mm	30	Nos.	
6	Hex bush 20x10mm	30	Nos.	
7	Air vent valve 10mm	30	Nos.	
8	Vacuum valve 15mm	30	Nos.	
9	S.S Dummy plug 20mm	30	Nos.	
10	S.S Dummy plug 32mm	80	Nos.	
11	Nipple 20mm lenth 4 inch	30	Nos.	
12	Nipple, Bolt, Washer 8x100mm (Grade A 2-70 Make- Unbrako, TVS)	60	Nos.	
Composite pipe fitting items				

SN	Name of Material	Total Qty	Unit
1	Composite pipe	460	Mtrs.
2	Socket 15mm	100	Nos.
3	Composite elbow 20mm	30	Nos.
4	composite elbow 15mm	30	Nos.
5	composite connector 20mm	60	Nos.
6	composite connector 15mm	320	Nos.
7	Composite Tee	30	Nos.
8	S.S Elbow 15mm	60	Nos.
9	S.S tee 15mm	20	Nos.
10	Hex nipple 15mm	40	Nos.

Drain Pipe fitting Items

SN	Name of Material	Total Qty	Unit
1	S type pipe 32mm length 1100mm	30	Nos.
2	State pipe 40mm length 838.2 mm	30	Nos.
3	SS U clamp 32mm	30	Nos.
4	SS U clamp 40mm	120	Nos.
5	Sport bracket	70	Nos.
6	Pantry pipe 32mm	10	Nos.
7	Bolt 8x50mm (Grade A 2-70 Make- Unbrako, TVS, DFL)	350	Nos.

Part I: Scope of work for supply and fitment of additional side water filling arrangement in LHB Shatabdi AC Coaches as per Annexure II: -

Ref: - Coach Alteration Instruction No. CAI/RCF/MECH/LHB/061

SN	Work Name	Size/Specification (SS)	Total Qty
1	U-Clamp	25 mm Bore	20
2	Hex Nipple	32 mm Bore	10
3	Reducing Nipple	32*15 Bore	10
4	Hex Bush	40(Ext. Threads) *25 (Int. Threads) Bore	20
5	Hex Bush	50*25 Bore	10
6	Washers and Nuts	M6	100
7	SS Pipe (31983080)	Dia 33.43*3.38*620	20
8	Modified Coach Water Inlet (62280417)	Std. Issue	20
9	Additional Bracket for side Filling (33593231)	LE63282 Alt. Nil	20
10	Bracket for side Filling Overflow (33611998)	4*40*235 L Bend	20
11	Elbow male/Female	32 Bore	30
12	Horizontal Check Valve	15MM Bore	10
13	Elbow	40 Bore 135 Degree	20
14	Tee Equal	32 Bore	10
15	Hex Nipple	40 Bore	20
16	Hex Bush	32(Ext. Threads) *25 (Int. Threads) Bore	20
17	Flat Plate	4*40*760MM	20

Notes:

1. All consumables such as masking materials, tapes, tools, etc. shall be arranged by the contractor.
2. All relevant drawings and specifications may be collected from SSE/Drawing/RCNK.

Scope of work (Electrical Stripping): - The electrical stripping work shall be carried out carefully and systematically by the contractor. It shall include, but not be limited to, the stripping of the following electrical items from the coach. Other electrical items equipped in the coach may also be stripped as per site requirements and the direction of the inspecting authority.

1. Under framed items (except both through feeders and coupler set):

- a) Lighting transformer 5 KVA (if available in under frame)
- b) Capacitor bank.
- c) 60 KVA transformer with mounting arrangement.
- d) Mono block pump with mounting arrangement.
- e) Battery box with Battery bank
- f) Both battery fuse boxes (positive and negative).
- g) Poly amide Conduits in under frame along with cable tray.

2. Complete Composite Pantry set

3. Coach Interior Items: -

- h) All types of LED Lights.
- i) All Switch plate assemblies.
- j) Both Exhaust Fans (Toilet area with grill)

Scope of work (Electrical Furnishing): The contractor shall, install, test, and commission the following items, ensuring compliance with applicable RDSO/RCF specifications:

A. Under frame Items (Except High Capacity ZS Coupler, through feeder, feeder junction boxes and 150 sq mm and 95 sq mm e-beam cables): -

i. 60 KVA transformer: -

- I. The contractor shall be responsible for Provision, installation, testing & commissioning of new/old/overhauled (as case may be) 60 KVA 750/415-volt transformer as per RDSO spec. RDSO/PE/SPEC/AC/0080-2007 (Rev-2) or latest along with neat and clean electrical terminal connections during commissioning. The contractor shall ensure proper cable continuity of I/P & O/P cables of each phase. If cable found defective then contractor shall replace defective cable. Contractor shall ensure proper availability of I/P & O/P power supply during commissioning. Material shall be supplied by the contractor as per Annexure "A".
- II. The contractor shall be responsible for Stripping of 60 KVA transformer mounting from coach & fitment of new/old/reconditioned transformer mounting arrangement and will ensure the proper corrosion treatment by using cleaning agent and paint work on frame. Contractor shall provide New high tensile self-locking nut-bolts of grade 8.8 (**Make-UN BRAKO, LPS, TVS etc.) or as per latest railway guidelines issued time to time** for LHB coaches for 60 KVA transformer and shall be responsible for fitment for the same. The strengthening of the suspension frame to be checked and ensured for corrosion/crack free. Material shall be supplied by the contractor as per Annexure "A".
- III. All cables should be secured with cable gourmets and heat shrinkable sleeves and all cable sleeves and cable jacket of suitable size shall be supplied by the contractor.
- IV. The contractor shall be responsible for proper voltage (output of transformer) availability at switch board cabinet unit during testing.

ii. Capacitor bank: - The contractor shall be responsible for Provision, installation, testing & commissioning of capacitor bank along with wiring as per RCF specification no EDML 130 TYPE-1, REV-1, COR-3 OR latest. Contractor shall ensure the wire continuity and availability of incoming & outgoing of power supply from capacitor bank to SBC, if found defective contractor shall rectify it by replacing defective wiring. Material shall be arranged by contractor as per **Annexure-A**. Testing and Commissioning of the same shall be carried out by the firm during final inspection.

iii. Exhaust Fans: The contractor shall be responsible for Provision, installation, testing & commissioning of all 02 Exhaust fans (2 nos. of double inlet centrifugal, high-capacity toilet exhaust fan assembly, capacity: 200 watt) along with wiring as per RCF specification no

EDTS33, Am-1, TYPE-1, COR- 1,2&3 WITH ANNEX. - 1 or latest. If any aluminium duct found defective same shall be supplied & replaced by the contractor along with supply and fitment of louver/grill as per site requirement. Material shall be arranged by contractor as per **Annexure-A**.

iv. Mono block pumps fitment with mounting frame and pump controller: - The contractor shall be responsible for Provision, installation, testing & commissioning of both new mono block pump set including their neat and clean electrical connections as per RCF spec no EDTS-186 or latest and proper pipe line connection shall ensure so that no water leakage from pumps observed during commissioning. Also includes replacement of nut bolts as per latest railway guidelines (Un-brako, TVS, LPS or another approved make) of suitable size. The strengthening of the suspension frame to be checked and ensured for corrosion/crack free. After fitment testing & commissioning of the same shall be carried out by the firm during final inspection. Material shall be arranged by contractor as per **Annexure-A**.

v. Battery Box – The contractor shall be responsible for Provision, installation, testing & commissioning of the new battery box including replacement of High Tensile Nut bolt (Un-brako, TVS, LPS or other approved make) confirming to property clause grade 8.8 or as per latest guidelines issued by railway. The strengthening of the suspension frame to be checked and ensured for corrosion/crack free and testing of battery shall be done by contractor after fitment. Contractor shall ensure the wire continuity & availability of DC power supply from battery bank to SBC and charging power supply from battery charger to battery bank. If any abnormality found, contractor shall rectify it by replacing defective wiring. New battery Box, End fittings, clamps etc. of suitable size shall be arranged by contractor as per Annexure-A.

vi. Battery Bank: The contractor shall be responsible for Provision, installation, testing & commissioning of 12V, 70 AH Pre charged batteries (09 nos.) with battery capacity test report as per RDSO spec no RDSO/PE/SPEC/AC/0009-2014(REV.2) or latest and shall do all necessary electrical connection. Contractor shall apply jelly to all battery terminals during connections.

vii. Battery Fuse Boxes: The contractor shall be responsible for Provision, installation, testing & commissioning of the new battery fuse boxes (positive & negative) as per drawing LW71002, ALT-J&LW71001, ALT-I or latest. Contractor shall ensure the wire continuity & availability of DC power supply from battery fuse box to SBC and charging power supply from battery fuse box to battery bank. If any abnormality found, contractor shall rectify it by replacing defective wiring. New battery fuse Boxes and all End fittings, clamps, self-locking nut-bolt of suitable size shall be arranged by contractor during commissioning as per Annexure-A.

viii. Pantry Items: - The contractor shall be responsible for Provision, installation, testing & commissioning of Composite Mini Pantry (as the case may be) equipment as per RCF spec no EDTS- 130, REV-B or latest. After fitment of Composite Mini Pantry equipment, Testing and Commissioning of the same shall be carried out by the firm during final inspection. The contractor shall ensure proper cable continuity of I/P cables of each phase from SBC to each pantry items. If cable found defective then contractor shall replace defective cable with new. New cable shall be supplied by the contractor. The Contractor shall ensure proper availability of I/P power supply at each pantry equipment terminals during testing. Proper earthing of each pantry equipment shall be ensured by the contractor.

B. Lighting Systems for LHB AC chair car coach:

i. The contractor shall be responsible for Provision, installation, testing & commissioning of all type of LED Light Fitting including AEL in the coach with necessary modification if any and shall do electrical connection as per RDSO Spec. No. RDSO/PE/SPEC/TL/0091-2016 (Rev-1) or latest. LED lights shall be supplied by the contractor as per Annexure-A. The contractor shall ensure proper cable continuity of cables of each +ve and -ve terminals from SBC to each light. Contractor shall ensure proper availability of I/P power supply.

C. Switch plate assembly for LHB AC Chair car coach:

i. The contractor shall be responsible for Provision, installation, testing & commissioning of SWITCH PLATE ASSEMBLY COMPLETE WITH POLYCARBONATE COVER FRAME, with their proper connection of respective wires as per latest RDSO drawing/CAI including replacement of Nut-bolt, screw shall be in the scope of the contractor. Cutting /opening of FRP side panel /sun mica sheet from roof/coach body for lying of conduit arrangement, wiring and

fixing of modular switch and socket assemblies as per site requirement. The opened portion should be properly closed after the work, so that the coach wiring should not be visible in passenger area and the work carried out should have a neat and clean look without disturbing coach's aesthetic look. Modification required as per Railway representative for mobile charging point for each passenger shall be done by contractor including wiring work. Precaution is to be taken by the contractor to protect the existing wiring system and wiring work shall be done in separate conduit pipes.

- ii. Fitment of Switch plate assemblies to be done by contractor as per RCF spec EDML -064, table-8 or latest Drg. no LW74202 alt 'C0', item-17 or latest. New Switch plate assemblies shall be supplied by the contractor as per **Annexure-A**. Wiring for this work shall be done as per latest drawing scheme in AC Coaches. Precaution is to be taken by the contractor to protect the existing wiring system and wiring work shall be done in separate conduit pipes as per latest CAI. Any other work not mentioned but considered necessary for completeness of the work shall be deemed to be included in the scope of work as per site requirement and shall have to be carried out by the contractor without paying any extra charges. The contractor shall ensure proper continuity of supply from SBC to each switch plate assemblies. If cable found defective then contractor shall replace defective cable with new. The contractor shall ensure proper cable continuity of cables of each +ve and -ve terminals from SBC to each light. If cable found defective then contractor shall replace defective cable with new. New cable shall be supplied by Contractor as per Annexure -A. Contractor shall ensure proper availability of I/P power supply.

D. 5 KVA Transformer: The contractor shall be responsible for Provision, installation, testing & commissioning of 5 KVA 415V/190 V under slung mounted lighting Transformer EDTS 366, Rev Nil, Cor-2 in SS enclosure along with necessary modification, their suspension frame arrangement in under frame and their wiring work. Material shall be arranged by contractor as per **Annexure-A**.

E. Under slung Emergency cum Regulated battery charger (UERBC): The contractor shall be responsible for Provision, installation, testing & commissioning along with its hanging arrangement in under frame in place of EBC/RBC as per RDSO spec. RDSO SPEC No. RDSO/PE/SPEC/AC/0183 (Rev-1)-2018 or latest following the CAI no. RCF/ED/CAI/024 or latest. Contractor shall provide new wiring & ensure availability of power supply from RBC cum EBC to SBC. If any abnormality found, contractor shall rectify it by replacing defective wiring. Material shall be arranged by contractor as per **Annexure-A**.

F. Under frame Conduit: - The contractor Shall replace all defective poly amide conduits, End fittings, of wiring in under frame as per RDSO spec RDSO/PE/SPEC/AC/0138- 2009, Rev.1 or latest (Annexure below) including replacement of High Tensile Nut bolt I required (Un-brako, TVS, LPS or other approved make). The strengthening of the suspension frame to be checked and ensured for corrosion/crack free. It includes polyamide conduits, End fitting of all Electrical items installed in under frame. Contractor shall Supply the material as per Annexure-A. Contractor shall dismantle under frame cable tray and shall remove all defective poly amide conduits from each cable set. Contractor shall check all the cables, if found defective same shall be replaced. Supply and fitment of Necessary Thimbles with crimping using crimping tools as per RCF Spec-EDTS-200 or latest, shall be done by the contractor. After replacement of all defective conduits, contractor refit **new under frame cable tray** using **new clamps** and new hardware. All new poly amide cable conduits, under frame cable tray as per Drawing: LW44174 ALT "F" ITEM-7, End fittings, tube clamps, Hexagonal Nut etc. of proper size shall be supplied by contractor as per **Annexure -A**.

Quantity sheet: Annexure: "A"

S.N.	Item Description	Specification	Total QTY	Unit
1.	Copper crimping socket for 25 sq.mm cable.	EDTS200 (Latest revision) ITEM-13/14 or latest	200	Nos.

2.	Copper crimping socket for 10 sq.mm cable.	EDTS200, AM-2	80	Nos.
3.	Copper crimping socket for 6 sq.mm cable.	EDTS200, AM-2	260	Nos.
4.	Polyamide flexible corrugated conduit, PG-11/NW12	RDSO/PE/SPEC/AC/0138-2009, Rev.1 (Annexure-A) or latest	500	Mtr.
5.	Polyamide flexible corrugated conduit, NW 17	RDSO/PE/SPEC/AC/0138-2009, Rev.1 (Annexure-A) or latest.	1900	Mtr.
6.	Polyamide flexible corrugated conduit, NW-23	RDSO/PE/SPEC/AC/0138-2009, Rev.1 (Annexure-A) or latest	850	Mtr.
7.	Polyamide flexible corrugated conduit, NW-29	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	600	Mtr.
8.	Polyamide flexible corrugated conduit, PG-36	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	400	Mtr.
9.	Polyamide flexible corrugated conduit, PG-48	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	50	Mtr.
10.	Straight PG metal thread End fitting PG-11	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	40	Nos.
11.	Straight PG metal thread End fitting PG-16	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	260	Nos.
12.	Straight PG metal thread End fitting PG-21	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	400	Nos.
13.	Straight PG metal thread End fitting PG-29/36	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	100	Nos.
14.	Straight PG metal thread end fitting PG-48	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	40	Nos.
15.	Hex. lock nut with PG thread brass PG-16	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	260	Nos.
16.	Hex. lock nut with PG thread brass PG-21	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	400	Nos.
17.	Hex. lock nut with PG thread brass PG-29	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	40	Nos.
18.	Hex. lock nut with PG thread brass PG-36	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	60	Nos.
19.	Hex. lock nut with PG thread brass PG-48	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	40	Nos.
20.	Tube clamp PG-11	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	80	Nos.
21.	Tube clamp PG-16	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	240	Nos.
22.	Tube clamp PG-21	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	180	Nos.
23.	Tube clamp PG-29	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	120	Nos.
24.	Tube clamp PG-36	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	120	Nos.
25.	Tube Clamp PG-48	RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest	100	Nos.

26.	Flexible Flame-retardant high-performance polyolefin heat shrinkable tubing		10	Set
27.	Cable Jacket, Item-8	EDTS-138, Corr-2 or latest.	500	Mtr.
28.	Cable Jacket, Item-10	EDTS-138, Corr-2 or latest.	400	Mtr.
29.	Cable Jacket, Item-5	EDTS-138, Corr-2 or latest.	1000	Mtr.
30.	PU sealant	MMDTS-19012Revision-01 or latest	20	Ltr.
31.	LED light fitting (doorway/gangway area) for LHB EOG type coaches	RDSO/PE/SPEC/TL/ 0091- 2016, REV-1or latest, AS PER DRG LW76099 or latest, TYPE-N (9 WATT), RCF, ANNEX- 1,2&3 or latest	70	Nos.
32.	Set of LED light fitting for passenger area of LHB EOG type chair car coaches one set comprising (a) led light fitting (compartment) for LHB EOG type chair car	RDSO/PE/SPEC/TL/0091- 2016, REV-1, RCF, ANNEX- 1, 2 & 3. Or latest as per drg. No. Lw76100 (type-"o") (18 Watt), qty 11 nos. (b) dummy fittings as per drg no. Lw76101 (type-"p"),	10	Set
33.	LED light fitting for reading light (three-seater) for LHB ac chair car coaches	RDSO/PE/SPEC/TL/0091- 2016, REV-1 AS PER DRG LW76103, TYPE-Q2, (2W), RCF, ANNEX-1,2&3	140	Nos.
34.	LED light fitting for reading light two-seater for LHB EOG ac type chair car coaches	RDSO/PE/SPEC/TL/0091- 2016, REV-1, AS PER DRGLW76102, TYPE-"Q1"(2W), RCF, ANNEX-1,2&3.	180	Nos.
35.	Accidental Emergency lighting system for EOG type LHB coaches	RDSO/PE/SPEC/AC/ 0180- 2016, REV-0, TYPE-2 or latest	3	set
36.	LED light fitting for passenger alarm chain indication light	RDSO/PE/SPEC/TL/ 0091- 2016, REV-1, as per DRG LW76098, TYPE-"I"(3 WATT), RCF, ANNEX-1,2&3 or latest	20	Nos.
37.	LED light fitting for toilet indication in LHB AC coaches	RDSO/PE/SPEC/TL/ 0091- 2016, REV-1, as per DRG LW 76097, TYPE- "H1" (1 Watt), RCF, ANNEX-1,2 &3 or latest	30	Nos
38.	LED light fitting for lavatory/mirror area	RDSO/PE/SPEC/TL/0091 2016, REV-1 AS PER LW76092, TYPE-"D" (9 WATT), RCF, ANNEX-1, 2 &3 or latest	30	Nos.
39.	Switch plate assembly	EDML -064, table-8	360	Nos.
40.	E-beam cable of size 50 sq mm thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	500	Mtr.

41.	E-beam cable of size 25 sq mm thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest.	800	Mtr.
42.	E-beam cable of size 10 sq mm thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	300	Mtr.
43.	E-beam cable of size 06 sq mm thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	800	Mtr.
44.	E-beam cable of size 04 sq mm thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	560	Mtr.
45.	E-beam cable of size 2.5 SQMM thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	400	Mtr.
46.	E-beam cable of size 1.5 SQMM thin-walled flexible elastomeric cables with copper conductor	ELRS/SPEC/ELS/0019 Revision-3 or latest	5000	Mtr.
47.	4x1.5 SQMM color black outer sheath with colored cores Electron beam irradiated cable 600/1000v	EDTS132 rev-c,am-3,cor-1,data sheet-3	150	Mtr.
48.	2x1.0 SQMM color black outer sheath with colored cores Electron beam irradiated cable 0.6/1kv	EDTS132 rev-c,am-3,cor-1,data sheet-4	390	Mtr.
49.	Cable marking system for LHB EOG type coaches	EDML 060,rev-e, col-v	10	Set
50.	Composite pantry Set for AC chair car Coaches.	EDTS- 130, REV-B or latest	10	Set
51.	60 KVA 750/415-Volt transformer	RDSO spec RDSO/PE/SPEC/AC/0080-2007 (Rev-2) or latest	10	Nos.
52.	Under slung RBC cum EBC	RDSO SPEC No. RDSO/PE/SPEC/AC/0183 (Rev-1)-2018 or latest	10	Nos.
53.	Capacitor bank for LHB EOG coaches	EDML130, TYPE-1, REV- 1, COR- or latest.	10	No.
54.	Battery fuse Box, negative	LW71002, ALT-J or latest	10	Nos.
55.	Battery fuse Box, positive	LW71001, ALT-I or latest.	10	Nos.
56.	Battery mounting box	As per drawing no 1 101113.07.76.700.005 or latest	10	Nos.
57.	70AH, 110V, VRLA Mono block Battery (9NOSX12V)	RDSO/PE/SPEC/AC/0009-2014, Rev-2, pre-charged or latest	10	Set
58.	Mono block pump with mounting frame & PLC controller.	EDTS186, REV- A, AM-2, COR-1&2 WITH ANNEX.1. or latest	10	Set

59.	5 KVA 415V/190 V Under slung mounted lighting Transformer	EDTS 366, Rev Nil, Cor-2 or latest	10	No.
60.	Exhaust blower	RCF specification no EDTS-33, Am-1, TYPE-1, COR- 1,2&3 WITH ANNEX. - 1 or latest	20	Nos.
61.	Flexible aluminum Conduit Size- 6"	As per site requirement	03	Nos.
62.	Under slung cable tray, L=3 Mtr.	Drawing: LW44174 Alt-F ITEM-7	90	Nos.
63.	Cable Tray Bracket (SS)	3 10113.0.76.095.003 ALT AR	360	Nos.
64.	EXT SUPP SOCKET 125 AMP,415V, IP67,5POLE(3P+N+E) WITH PILOT CONTACTS.,	Drawing: CAT.NO 1948036/UIV4125-6	20	Nos.
65.	High Tensile bolt with nut and A2 70 steel 200 HV A31 plain washer, having property clause 8.8, of size M16 X 70	Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	120	Nos.
66.	High Tensile bolt with nut and A2, 70 steel 200 HV A31 plain washer, having property clause 8.8, of size M12 X 50	Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	400	Nos.
67.	A2, 70 SS screw with suitable nut of size M8 X 40. Make: Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	900	Nos.
68.	High Tensile bolt with nut and A70 steel 200 HV A31 plain washer, having property clause 8.8, of size M12 X 40	Make: Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	04	Nos.
69.	High Tensile bolt with nut and A2, 70 steel 200 HV A31 plain washer, having property clause 8.8, of size M16 X 60	Make: Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.	04	Nos.
70.	Labour cost of electrical Stripping work		10	Per coach
71.	Labour cost of electrical work (Fitment testing & commissioning of electrical components		10	Per coach

SCHEDULE OF RATES (BILL OF QUANTITIES)

Tender No		362258						
Name of Work		Refurbishment of LWSCZAC coaches during MLR Schedule at RCNK/SNP						
Cost of Work (in Rs)		Rs 44848390.76/- (Rupees Four Crore Forty Eight Lakh Forty Eight Thousand Three Hundred Ninety and Seventy Six Paise only)						
Period of Contract		06 Months from date of issue of LOA						
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () A-Stripping of LWSCZAC coaches							716943.10	
1	A1	10.00	Per Coach	71694.31	716943.10	AT Par	716943.10	
	Description:- Stripping of LWSCZAC coaches							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Labour charges for fitment of material							1888000.00	
1	B1	10.00	Per Coach	188800.00	1888000.00	AT Par	1888000.00	
	Description:- Labour charges for fitment of material							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Supply of Mechanical material							18282252.36	
1	1	20.00	Set	57466.00	1149320.00	AT Par	1149320.00	
	Description:- Door arrangement (RH&LH) for LHB coaches with epoxy zinc phosphate primer to RDSO: M&C/ PCN/ 100/ 2013 as per drawing no. la51100alt.'B' or latest							
2	1	200.00	Numbers	6195.00	1239000.00	AT Par	1239000.00	
	Description:- Sound insulating wood panels of size 16 X 1250 X 3000mm MDTS-075 rev 3 latest							
3	1	120.00	Numbers	7062.30	847476.00	AT Par	847476.00	
	Description:- Fixed window for LHB Ac chair car LZ54107 ALT-b AND MDTS 089 REV-04 or latest							
4	1	40.00	Numbers	7788.00	311520.00	AT Par	311520.00	
	Description:- Emergency window For LHB AC chair car LZ54108 ALT-b AND MDTS 089 REV-04 or latest							
5	1	20.00	Numbers	62069.63	1241392.60	AT Par	1241392.60	
	Description:- End wall door completeLW56350 ALT-H or latest							
6	1	80.00	Numbers	1475.00	118000.00	AT Par	118000.00	
	Description:- Entrance Hand Rail Complete As Per Drawing:MI004202 ALT - b or latest							
	1	250.00	Litre	146.32	36580.00	AT Par	36580.00	

7	Description:- Adhesive Solution RUBBER BASED ADHESIVE. SPECIFICATION NO. ICF /MD/SPEC-028 (REV- 4) AMENDMENT or latest						
8	1	20.00	Numbers	2155.27	43105.40	AT Par	43105.40
9	Description:- Table Leg Complete. As per drawing No: 2 10113.0.25.095.005 ALT A or latest						
10	1	250.00	Sqm	975.86	243965.00	AT Par	243965.00
11	Description:- THERMAL CUM SOUND INSULATION MATERIAL FOR UNDER FRAME OF LHB COACHES SIZE 25X935X1000 MM as per Spec. No. MMDTS-18009 REV-03 or Latest						
12	1	551.70	Sqm	1084.42	598274.51	AT Par	598274.51
13	Description:- THERMAL CUM SOUND INSULATION MATERIAL FOR ROOF, SIDEWALLS OF LHB COACHES.SIZE 50X935X1000 MM as per Drg. No. MMDTS-18009 REV-03 or Latest						
14	1	150.00	Kg	271.40	40710.00	AT Par	40710.00
15	Description:- Aluminum angel molding Size 19 * 25 mm Extruded angle CC43337 or latest						
16	1	200.00	Kg	274.94	54988.00	AT Par	54988.00
17	Description:- Extruded aluminum Equal Angle Moulding (25 X 25) EXTRUDED EQUAL ANGLEMOULDING CC43336 or latest						
18	1	200.00	Kg	169.92	33984.00	AT Par	33984.00
19	Description:- Aluminum molding flat 25 MM CC43334 MMEXTRUDED FLAT MOULDING SIZE or latest						
20	1	40.00	Kg	470.23	18809.20	AT Par	18809.20
21	Description:- Extruded aluminum equal Angle molding (55 X 35) EXTRUDED ANGLE MOULDING WITH CC43353 or latest						
22	1	200.00	Kg	317.89	63578.00	AT Par	63578.00
23	Description:- Extruded Aluminium J base EXTRUDED J- MOULDING DRG. NO.CC43339, alt (b) 2000 mm LENGTH. or latest						
24	1	40.00	Numbers	1061.22	42448.80	AT Par	42448.80
25	Description:- SELF ADHESIVE INSULATION MATERIAL SIZE 20x1250x1250 MM as per Drg. No. MDTs-116.						
26	1	780.00	Numbers	9.98	7784.40	AT Par	7784.40
27	Description:- Coat hook, MDTs 071 REVISION 0 or latest						
28	1	20.00	Set	63130.00	1262600.00	AT Par	1262600.00
29	Description:- Intercar gangway bridge mounting arrangement, As per drawing No. 1 10113.0.24.100.001, ALT-R2 EXCEPT ITEM-4 & TO RDSO SPEC. NO. RDSO/2007/CG-05 (REV. 1 of NOV 2018) or latest drawing and spec shall be followed.						
30	1	35.00	Numbers	22157.45	775510.75	AT Par	775510.75
31	Description:- PVC FLOORING ROLL AC- 2X1850X14000MM, WITH PVC WELDING ELECTRODE DIA 4MM=12MTRS PER ROLL, or latest						
32	1	100.00	Numbers	1354.64	135464.00	AT Par	135464.00

20	Description:- Sun mica SPECN. C-K 514 REV.- 04 OF DEC.-05 WITH AMENDMENT - 06 CORRIGENDUM 1 SHADE RDSO SAMPLE CODE NO. AC-SP 02 SIZE 2440 X 1220 X3MM or latest						
21	1	220.00	Kg	407.10	89562.00	AT Par	89562.00
	Description:- Al Chequered sheet ALUMINIUM CHEQUERED SHEET SPECIFICATION- C-8217(REV-2) SIZE- 2774 X 825 X 2.03mm. GR.65 032-WP. or latest						
22	1	20.00	Numbers	38.94	778.80	AT Par	778.80
	Description:- Crest for Indian Railway CC26145 ALT-D or latest						
23	1	1380.00	Numbers	34.63	47789.40	AT Par	47789.40
	Description:- Fixing Strip, As per Drg. No. LZ41118						
24	1	830.00	Numbers	85.67	71106.10	AT Par	71106.10
	Description:- Fixing Strip, As per Drg. No. LZ41119						
25	1	320.00	Numbers	185.26	59283.20	AT Par	59283.20
	Description:- Fixing Strip, As per Drg. No. LZ41126						
26	1	20.00	Set	6603.28	132065.60	AT Par	132065.60
	Description:- SET OF SS DOOR FRAME ITEM FOR LHB CHAIR CAR COACHES, as per planning list no. MPLDFLFC&SCZAC VERSION 7 or latest						
27	1	10.00	Numbers	39530.0 0	395300.00	AT Par	395300.00
	Description:- Saloon sliding door, nppe end mdts 082 revision 4 and guide rod to raw material EN 31 with SS Door frame						
28	1	10.00	Numbers	37170.0 0	371700.00	AT Par	371700.00
	Description:- Saloon sliding door, PPE End.MDTS082 revision 4 with SS Door frame						
29	1	200.00	Kg	473.09	94618.00	AT Par	94618.00
	Description:- Bottom extrusion						
30	1	40.00	Numbers	354.00	14160.00	AT Par	14160.00
	Description:- Sticker of safety message near gates with heavy duty Braille script CC64373 ALT-A or latest						
31	1	160.00	Numbers	2389.50	382320.00	AT Par	382320.00
	Description:- Roller Blind with stopper MDTS 078 Revision 02 or latest						
32	1	40.00	Numbers	77.68	3107.20	AT Par	3107.20
	Description:- DOOR STOPPER FOR LHB COACHES, MI004112 ALT a or latest						
33	1	10.00	Coach Set	61509.8 6	615098.60	AT Par	615098.60
	Description:- NON-AC AREA CEILING MOUNTING FOR EXECUTIVE AND CHAIR CAR (EOG) LHB TYPE COACHES CEILING PANTRY MOUNTING, Drawing no: 1 10113.0.21.420.001 and 1 10113.0.21.420.003 or latest						
34	1	400.00	Metre	74.22	29688.00	AT Par	29688.00
	Description:- SUPPLY for PVC EDGE 30 MM WIDTH VHB TAPE FOR SEALING FO INTERIOR PANELLING GAPS in LHB COACHES make 3M or Similar						

35	1	20.00	Set	16992.00	339840.00	AT Par	339840.00	
	Description:- SET OF CIRCULATING AIR BOX FOR LHB AC CHAIR CAR as per planning list MPLCABLJSCZAC VERSION 5 and As per drawing no. LZ44257 alt. nil, LZ44238 alt. nil or latest							
36	1	10.00	Set	20640.86	206408.60	AT Par	206408.60	
	Description:- Layout of lettering inside for 2nd class ac chair car (EOG) LHB coaches with heavy duty Braille script LZ64001 ALT d ITEM NO.5,9,18,21,23&26 WITH BRAILLE SCRIPT to ICF/MD/SPEC-253 or latest							
37	1	2.00	Numbers	8216.00	16432.00	AT Par	16432.00	
	Description:- SET OF TABLE PLATES FOR L2CCEA As per planning list no MPLTABLEL2CCEA Version 1 or latest							
38	1	10.00	Coach Set	203550.00	2035500.00	AT Par	2035500.00	
	Description:- Repairing and painting of FRP items As per MDTS - 118 Rev 01 or latest							
39	1	10.00	Coach Set	29264.00	292640.00	AT Par	292640.00	
	Description:- Repairing and repainting of luggage rack As per Drawing LZ62101 or latest							
40	1	10.00	Coach Set	42000.00	420000.00	AT Par	420000.00	
	Description:- Screw & Fastener Kit							
41	1	40.00	Numbers	4839.18	193567.20	AT Par	193567.20	
	Description:- SS step (knee) LW41106 or latest							
42	1	400.00	Numbers	1635.94	654376.00	AT Par	654376.00	
	Description:- ABSORPTION STRIP as per Drawing: LW41101 ALT d. latest with compliance of MDTS - 49380 or latest							
43	1	400.00	Litre	1005.97	402388.00	AT Par	402388.00	
	Description:- ADHESIVE FOR LHB COACHES 600 ML TUBE PACKING SIKAFLEX 265 OFM/s SIKA OR TEROSTAT 8590 OF M/s HENKEL OR TOTALSEAL 100 OF M/s LJF or 08609 WINDO-WELD SUPER FAST URETHANEOF M/s 3M SPEC.							
44	1	10.00	Coach Set	59826.00	598260.00	AT Par	598260.00	
	Description:- Pantry room and storage room ready with 16 Mm ply wood panel with painting and wooden round moulding							
45	1	2.00	Set	507990.00	1015980.00	AT Par	1015980.00	
	Description:- LUGGAGE RACK MODULES (WITHOUT LIGHTS) FOR LHB 2ND AC CHAIR CAR COACHES., as per Drawing: LZ62100 ITEM 1 TO 6 & 27							
46	1	2.00	Set	234525.00	469050.00	AT Par	469050.00	
	Description:- SET OF FRP CEILING SHEET ASSEMBLIES FOR LHB CHAIR CAR As per planning list MPLCESLJSCZAC version 2 or latest							

47	1	2.00	Set	80240.00	160480.00	AT Par	160480.00	
	Description:- "SET OF FRP SIDE WALL PANELS FOR LHB CHAIR CAR as per planning list MPLSWPLJSCZAC VERSION9. or latest"							
48	1	30.00	Numbers	30208.10	906243.00	AT Par	906243.00	
	Description:- Electro Pneumatic Pressurized flushing system to be introduced in place of normal flushing system As per MMDTS 19027 Rev-03 or latest.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Supply of Electrical material							15558592.90	
1	1	200.00	Numbers	41.30	8260.00	AT Par	8260.00	
	Description:- Copper crimping socket for 25 sq.mm cable,EDTS200 (Latest revision) ITEM-I3/14 or latest							
2	1	80.00	Numbers	8.74	699.20	AT Par	699.20	
	Description:- Copper crimping socket for 10 sq.mm cable, EDTS200, AM-2							
3	1	260.00	Numbers	7.79	2025.40	AT Par	2025.40	
	Description:- Copper crimping socket for 6 sq.mm cable, EDTS200, AM-2							
4	1	500.00	Metre	35.00	17500.00	AT Par	17500.00	
	Description:- Polyamide flexible corrugated conduit, PG-11/NW12, RDSO/PE/SPEC/ AC/0138-2009, Rev.1 (Annexure-A) or latest							
5	1	1900.00	Metre	100.50	190950.00	AT Par	190950.00	
	Description:- Polyamide flexible corrugated conduit, NW 17, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest.							
6	1	850.00	Metre	121.39	103181.50	AT Par	103181.50	
	Description:- Polyamide flexible corrugated conduit, NW-23, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
7	1	600.00	Metre	202.70	121620.00	AT Par	121620.00	
	Description:- Polyamide flexible corrugated conduit, NW-29, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
8	1	400.00	Metre	76.11	30444.00	AT Par	30444.00	
	Description:- Polyamide flexible corrugated conduit, PG-36, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
9	1	50.00	Metre	109.86	5493.00	AT Par	5493.00	
	Description:- Polyamide flexible corrugated conduit, PG-48, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
10	1	40.00	Numbers	61.00	2440.00	AT Par	2440.00	
	Description:- Straight PG metal thread End fitting PG-11, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
11	1	260.00	Numbers	363.01	94382.60	AT Par	94382.60	
	Description:- Straight PG metal thread End fitting PG-16, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest							
	1	400.00	Numbers	445.28	178112.00	AT Par	178112.00	

12	Description:- Straight PG metal thread End fitting PG-21, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
13	1	100.00	Numbers	499.57	49957.00	AT Par	49957.00
	Description:- Straight PG metal thread End fitting PG-29/36, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
14	1	40.00	Numbers	589.00	23560.00	AT Par	23560.00
	Description:- Straight PG metal thread end fitting PG-48, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
15	1	260.00	Numbers	21.77	5660.20	AT Par	5660.20
	Description:- Hex. lock nut with PG thread brass PG-16, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
16	1	400.00	Numbers	22.92	9168.00	AT Par	9168.00
	Description:- Hex. lock nut with PG thread brass PG-21, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
17	1	40.00	Numbers	34.37	1374.80	AT Par	1374.80
	Description:- Hex. lock nut with PG thread brass PG-29, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
18	1	60.00	Numbers	54.98	3298.80	AT Par	3298.80
	Description:- Hex. lock nut with PG thread brass PG-36, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
19	1	40.00	Numbers	64.02	2560.80	AT Par	2560.80
	Description:- Hex. lock nut with PG thread brass PG-48, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
20	1	80.00	Numbers	11.79	943.20	AT Par	943.20
	Description:- Tube clamp PG-11, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
21	1	240.00	Numbers	40.46	9710.40	AT Par	9710.40
	Description:- Tube clamp PG-16, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
22	1	180.00	Numbers	56.14	10105.20	AT Par	10105.20
	Description:- Tube clamp PG-21, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
23	1	120.00	Numbers	55.02	6602.40	AT Par	6602.40
	Description:- Tube clamp PG-29, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
24	1	120.00	Numbers	62.77	7532.40	AT Par	7532.40
	Description:- Tube clamp PG-36, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
25	1	100.00	Numbers	59.83	5983.00	AT Par	5983.00
	Description:- Tube Clamp PG-48, RDSO/PE/SPEC/AC/ 0138-2009, Rev.1 (Annexure-A) or latest						
26	1	10.00	Set	2596.00	25960.00	AT Par	25960.00
	Description:- Flexible Flame-retardant high-performance polyolefin heat shrinkable tubing						

27	1	500.00	Metre	22.40	11200.00	AT Par	11200.00	
	Description:- Cable Jacket, Item-8, EDTS-138, Corr-2 or latest.							
28	1	400.00	Metre	74.00	29600.00	AT Par	29600.00	
	Description:- Cable Jacket, Item-10, EDTS-138, Corr-2 or latest.							
29	1	1000.00	Metre	16.80	16800.00	AT Par	16800.00	
	Description:- Cable Jacket, Item-5, EDTS-138, Corr-2 or latest.							
30	1	20.00	Litre	560.96	11219.20	AT Par	11219.20	
	Description:- PU sealant, MMDTS-19012Revision-01 or latest							
31	1	70.00	Numbers	3287.44	230120.80	AT Par	230120.80	
	Description:- LED light fitting (doorway/gangway area) for LHB EOG type coaches, RDSO/PE/SPEC/TL/ 0091- 2016, REV-1or latest, AS PER DRG LW76099 or latest, TYPE-N (9 WATT), RCF, ANNEX- 1,2&3 or latest							
32	1	10.00	Set	62776.00	627760.00	AT Par	627760.00	
	Description:- "Set of LED light fitting for passenger area of LHB EOG type chair car coaches one set comprising (a) led light fitting (compartment) for LHB EOG type chair car, RDSO/PE/SPEC/TL/0091-2016, REV-1, RCF, ANNEX-1, 2 & 3. Or latest as per drg. No. Lw76100 (type-"o") (18 Watt), qty 11 nos. (b) dummy fittings as per drg no. Lw76101 (type-"p"),"							
33	1	140.00	Numbers	1699.20	237888.00	AT Par	237888.00	
	Description:- LED light fitting for reading light (three-seater) for LHB ac chair car coaches, RDSO/PE/SPEC/TL/0091- 2016, REV-1 AS PER DRG LW76103, TYPE-Q2, (2W), RCF, ANNEX-1,2&3							
34	1	180.00	Numbers	1427.80	257004.00	AT Par	257004.00	
	Description:- LED light fitting for reading light two-seater for LHB EOG ac type chair car coaches, RDSO/PE/SPEC/TL/0091- 2016, REV-1, AS PER DRGLW76102, TYPE-"Q1"(2W), RCF, ANNEX-1,2&3.							
35	1	3.00	Set	22420.00	67260.00	AT Par	67260.00	
	Description:- Accidental Emergency lighting system for EOG type LHB coaches, RDSO/PE/SPEC/AC/ 0180- 2016, REV-0, TYPE-2 or latest							
36	1	20.00	Numbers	600.62	12012.40	AT Par	12012.40	
	Description:- LED light fitting for passenger alarm chain indication light, RDSO/PE/SPEC/TL/ 0091- 2016, REV-1, as per DRG LW76098, TYPE- "I"(3 WATT), RCF, ANNEX-1,2&3 or latest							
37	1	30.00	Numbers	2054.08	61622.40	AT Par	61622.40	
	Description:- LED light fitting for toilet indication in LHB AC coaches, RDSO/PE/SPEC/TL/ 0091- 2016, REV-1, as per DRG LW 76097, TYPE- "H1" (1 Watt), RCF, ANNEX-1,2 &3 or latest							
38	1	30.00	Numbers	2462.69	73880.70	AT Par	73880.70	
	Description:- LED light fitting for lavortary/mirror area, RDSO/PE/SPEC/TL/0091 2016, REV-1 AS PER LW76092, TYPE-"D" (9 WATT), RCF, ANNEX-1, 2 &3 or latest							
39	1	360.00	Numbers	285.56	102801.60	AT Par	102801.60	
	Description:- Switch plate assembly, EDML -064, table-8							
	1	500.00	Metre	625.30	312650.00	AT Par	312650.00	

40	Description:- E-beam cable of size 50 sq mm thin-walled flexible elastomeric cables with copper conductor, ELRS/SPEC/ELS /0019 Revision-3 or latest						
	1	800.00	Metre	512.12	409696.00	AT Par	409696.00
41	Description:- E-beam cable of size 25 sq mm thin-walled flexible elastomeric cables with copper conductor, ELRS/SPEC/ELS/ 0019 Revision-3 or latest						
	1	300.00	Metre	178.72	53616.00	AT Par	53616.00
42	Description:- E-beam cable of size 10 sq mm thin-walled flexible elastomeric cables with copper conductor, ELRS/SPEC/ELS/ 0019 Revision-3 or latest						
	1	800.00	Metre	84.10	67280.00	AT Par	67280.00
43	Description:- E-beam cable of size 06 sq mm thin-walled flexible elastomeric cables with copper conductor,ELRS/SPEC/ELS/ 0019 Revision-3 or latest						
	1	560.00	Metre	61.51	34445.60	AT Par	34445.60
44	Description:- E-beam cable of size 04 sq mm thin-walled flexible elastomeric cables with copper conductor, ELRS/SPEC/ELS /0019 Revision-3 or latest						
	1	400.00	Metre	63.25	25300.00	AT Par	25300.00
45	Description:- E-beam cable of size 2.5 SQMM thin-walled flexible elastomeric cables with copper conductor,ELRS/SPEC/ELS/ 0019 Revision-3 or latest						
	1	5000.00	Metre	42.24	211200.00	AT Par	211200.00
46	Description:- E-beam cable of size 1.5 SQMM thin-walled flexible elastomeric cables with copper conductor, ELRS/SPEC/ELS/ 0019 Revision-3 or latest						
	1	150.00	Metre	187.62	28143.00	AT Par	28143.00
47	Description:- 4x1.5 SQMM color black outer sheath with colored cores Electron beam irradiated cable 600/1000v, EDTS132 rev-c,am-3,cor-1,data sheet-3						
	1	390.00	Metre	134.69	52529.10	AT Par	52529.10
48	Description:- 2x1.0 SQMM color black outer sheath with colored cores Electron beam irradiated cable 0.6/1kv, EDTS132 rev-c,am-3,cor-1,data sheet-4						
	1	10.00	Set	9047.65	90476.50	AT Par	90476.50
49	Description:- Cable marking system for LHB EOG type coaches, EDML 060,rev-e, col-v						
	1	10.00	Set	375240.00	3752400.00	AT Par	3752400.00
50	Description:- Composite pantry Set for AC chair car Coaches, EDTS- 130, REV-B or latest						
	1	10.00	Numbers	244260.00	2442600.00	AT Par	2442600.00
51	Description:- 60 KVA 750/415-Volt transformer, RDSO spec RDSO/PE/SPEC/ AC/0080-2007 (Rev-2) or latest						
	1	10.00	Numbers	284380.00	2843800.00	AT Par	2843800.00
52	Description:- Under slung RBC cum EBC, RDSO SPEC No. RDSO/PE/SPEC/AC/0183 (Rev-1)-2018 or latest						
	1	10.00	Numbers	23539.82	235398.20	AT Par	235398.20
53	Description:- Capacitor bank for LHB EOG coaches, EDML130, TYPE- 1, REV- 1, COR- or latest.						

54	1	10.00	Numbers	8310.92	83109.20	AT Par	83109.20	
	Description:- Battery fuse Box, negative, LW71002, ALT-J or latest							
55	1	10.00	Numbers	7905.51	79055.10	AT Par	79055.10	
	Description:- Battery fuse Box, positive, LW71001, ALT-I or latest.							
56	1	10.00	Numbers	21424.0 8	214240.80	AT Par	214240.80	
	Description:- Battery mounting box, As per drawing no 1 101113.07.76.700.005 or latest							
57	1	10.00	Set	105260. 80	1052608.00	AT Par	1052608.00	
	Description:- 70AH, 110V, VRLA Mono block Battery (9NOSX12V), RDSO/PE/SPEC/AC/0009-2014, Rev-2, pre-charged or latest							
58	1	10.00	Set	24188.8 2	241888.20	AT Par	241888.20	
	Description:- Mono block pump with mounting frame & PLC controller, EDTS186, REV- A, AM-2, COR-1&2 WITH ANNEX.1. or latest							
59	1	10.00	Numbers	39530.0 0	395300.00	AT Par	395300.00	
	Description:- 5 KVA 415V/190 V Under slung mounted lighting Transformer, EDTS 366, Rev Nil, Cor-2 or latest							
60	1	20.00	Numbers	4354.20	87084.00	AT Par	87084.00	
	Description:- Exhaust blower, RCF specification no EDTS-33, Am-1, TYPE-1, COR-1,2&3 WITH ANNEX. - 1 or latest							
61	1	3.00	Numbers	733.96	2201.88	AT Par	2201.88	
	Description:- Flexible aluminum Conduit Size- 6", As per site requirement							
62	1	90.00	Numbers	1296.82	116713.80	AT Par	116713.80	
	Description:- Under slung cable tray, L=3 Mt, Drawing: LW44174 Alt-F ITEM-7							
63	1	360.00	Numbers	47.38	17056.80	AT Par	17056.80	
	Description:- Cable Tray Bracket (SS), 3 10113.0.76.095.003 ALT AR							
64	1	20.00	Numbers	1770.00	35400.00	AT Par	35400.00	
	Description:- "EXT SUPP SOCKET 125 AMP,415V, IP67,5POLE(3P+N+E) WITH PILOT CONTACTS., Drawing: CAT.NO1948036/UIV4125-6"							
65	1	120.00	Numbers	53.10	6372.00	AT Par	6372.00	
	Description:- High Tensile bolt with nut and A2 70 steel 200 HV A3I plain washer, having property clouse 8.8, of size M16 X 70, Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.							
66	1	400.00	Numbers	10.61	4244.00	AT Par	4244.00	
	Description:- High Tensile bolt with nut and A2, 70 steel 200 HV A3I plain washer, having property clouse 8.8, of size M12 X 50, Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.							
67	1	900.00	Numbers	7.65	6885.00	AT Par	6885.00	
	Description:- A2, 70 SS screw with suitable nut of size M8 X 40. Make: Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.							
	1	4.00	Numbers	21.23	84.92	AT Par	84.92	

68	Description:- High Tensile bolt with nut and A70 steel 200 HV A3I plain washer, having property clause 8.8, of size M12 X 40, Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.							
69	1	4.00	Numbers	30.45	121.80	AT Par	121.80	
	Description:- High Tensile bolt with nut and A2, 70 steel 200 HV A3I plain washer, having property clause 8.8, of size M16 X 60, Make:Unbrako, TVS, DFL, Tuff or as per latest Railway guidelines.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () E-Charges for Plumbing activity							598568.80	
1	1	10.00	Numbers	47647.56	476475.60	AT Par	476475.60	
	Description:- Plumbing Kit							
2	1	20.00	Numbers	209.15	4183.00	AT Par	4183.00	
	Description:- U-Clamp							
3	1	10.00	Numbers	280.96	2809.60	AT Par	2809.60	
	Description:- Hex Nipple							
4	1	10.00	Numbers	299.91	2999.10	AT Par	2999.10	
	Description:- Reducing Nipple							
5	1	20.00	Numbers	304.64	6092.80	AT Par	6092.80	
	Description:- Hex Bush							
6	1	10.00	Numbers	386.72	3867.20	AT Par	3867.20	
	Description:- Hex Bush							
7	1	100.00	Numbers	7.89	789.00	AT Par	789.00	
	Description:- Washers and Nuts							
8	1	20.00	Numbers	746.60	14932.00	AT Par	14932.00	
	Description:- SS Pipe (31983080)							
9	1	20.00	Numbers	540.62	10812.40	AT Par	10812.40	
	Description:- Modified Coach Water Inlet (62280417)							
10	1	20.00	Numbers	201.26	4025.20	AT Par	4025.20	
	Description:- Additional Bracket for side Filling (33593231)							
11	1	20.00	Numbers	390.67	7813.40	AT Par	7813.40	
	Description:- Bracket for side Filling Overflow (33611998)							
12	1	30.00	Numbers	639.27	19178.10	AT Par	19178.10	
	Description:- Elbow Male/Female							
13	1	10.00	Numbers	307.80	3078.00	AT Par	3078.00	
	Description:- Horizontal Check Valve							
14	1	20.00	Numbers	599.81	11996.20	AT Par	11996.20	
	Description:- Elbow							
15	1	10.00	Numbers	205.20	2052.00	AT Par	2052.00	
	Description:- Tee Equal							

16	1	20.00	Numbers	378.83	7576.60	AT Par	7576.60	
	Description:- Hex Nipple							
17	1	20.00	Numbers	299.91	5998.20	AT Par	5998.20	
	Description:- Hex Bush							
18	1	20.00	Numbers	694.52	13890.40	AT Par	13890.40	
	Description:- Flat Plate							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () F-Charges for Toilet refurbishment							7804033.60	
1	1	30.00	Numbers	7030.25	210907.50	AT Par	210907.50	
	Description:- Flooring: Epoxy Flooring Polymerized floor topping in lavatory area as per RCF spec MDTs 44289 or latest							
2	1	30.00	Numbers	16888.0 1	506640.30	AT Par	506640.30	
	Description:- Toilet Door Existing Toilet Door to be replaced with new. Louvre to be made of Aluminum. Door colour to match with interior color (with DGFRP sheet minimum 1.6mm thick) MDTs 46303 Rev Nil or latest							
3	1	30.00	Numbers	13404.6 0	402138.00	AT Par	402138.00	
	Description:- Inside Lavatory Wash basin Inside Lavatory Wash Basin Bowl alongwith Counter Top shall be made as per MMDTS- 18008 for LHB AC toilet as per drg. no. JUDW/MECH/18- 667 ITEM NOS. 1,3 & 4. MMDTS- 18008 Rev.01 or latest							
4	1	30.00	Numbers	13924.0 0	417720.00	AT Par	417720.00	
	Description:- Modification of inside Corian wash basin to accommodate SS dustbin							
5	1	30.00	Numbers	4023.80	120714.00	AT Par	120714.00	
	Description:- Supply and fitment beading on washbasin counter alongside wall outer wall as per drg. No. JUDW/MECH/23-805							
6	1	30.00	Numbers	18532.5 8	555977.40	AT Par	555977.40	
	Description:- Inside Lavatory Dustbin Inside Lavatory Dustbin shall be provided in below the washbasin counter top and shall be duly finished to provide a neat lock It shall have openable door panel having SS dustbin (cage type) inside door panel to be fixed as per Drg. JUDW/MECH/18-667 except ITEM Nos. 1,3 & 4. MMDTS- 18008 Rev.01 or latest							
7	1	30.00	Numbers	9760.30	292809.00	AT Par	292809.00	
	Description:- Mirrors (5 mm thickness) (Inside Lavatory) Large size flushed mirror as per drg. no. JUDW/MECH/20-696 thick ness of mirror min. 5 mm (brand like saint Gobin, Modi Guard, AIS) etc. MMDTS- 18008 Rev.01 or latest							
8	1	30.00	Numbers	7302.12	219063.60	AT Par	219063.60	
	Description:- CDTs Panel Door/FRP attachment wall with all S.S. fittings Modified CDTs panel cover in door way to be fixed with all S.S. fittings FRP with 5 mm thickness & painted with water base paint.							

9	1	40.00	Numbers	10407.60	416304.00	AT Par	416304.00	
	Description:- Supply of FRP V Moulding and flats as per drg.no. JUDW/MECH/23-816							
10	1	20.00	Numbers	8555.00	171100.00	AT Par	171100.00	
	Description:- Supply of FRP Outer wall as per drg.No. JUDW/MECH/23-818							
11	1	20.00	Numbers	10915.00	218300.00	AT Par	218300.00	
	Description:- Supply & fitment of Modified FRP wall							
12	1	20.00	Numbers	3127.00	62540.00	AT Par	62540.00	
	Description:- Supply and fitment of Modified detachable wastebin arrangement							
13	1	30.00	Numbers	1878.48	56354.40	AT Par	56354.40	
	Description:- Water tap for Basin (Inside/Outside) Basin Tap: For every washbasin Anti-theft Water taps with plate arrangement quarter turn or Prismatic type (Brand/Make- Jaquar/ Kohler/Grohe/Dolphin/TOTO/Susa) As per Model No. FUS-CHR-29037 of Jaquar							
14	1	30.00	Numbers	2962.51	88875.30	AT Par	88875.30	
	Description:- Health faucet Angle tap valve inside each toilet A health faucet to be provided in each toilet Length of flexible pipe to be approx. 900 mm. The sprinkler & flexible hose to be chrome plated. All fittings to be of Susa/ Jaquar/ Kohler/ CERA make only As per Model No. FUS-CHR-29041 and ALD-CHR-585 of Jaquar							
15	1	10.00	Numbers	1306.53	13065.30	AT Par	13065.30	
	Description:- Paper Roll Holder For western style toilet make-susa/Jaquar/Kohlar/CERA S.S 304 as per jaquar model no.ACN-CHR-1153S							
16	1	10.00	Numbers	1542.37	15423.70	AT Par	15423.70	
	Description:- Heavy Duty Commode Lid with Hydraulic Soft Closure Barand Alpine, Tip Top							
17	1	30.00	Numbers	6481.68	194450.40	AT Par	194450.40	
	Description:- Automatic Hygiene control system RDSO/2008/CG-11							
18	1	30.00	Numbers	1622.92	48687.60	AT Par	48687.60	
	Description:- Liquid soap dispenser with anti-pilferage arrangement (Brand/make- Bobrick, Dolphin, Gojo, ACME, SUSa							
19	1	30.00	Numbers	4925.56	147766.80	AT Par	147766.80	
	Description:- Toilet ceiling Complete (Per Toilet) ALCU Bond Ceiling for Inside Toilet with 5mm thickness. As per shade approved							
20	1	9000.00	Square Foot	157.16	1414440.00	AT Par	1414440.00	
	Description:- PU Pigment Polish (ASTRA, SIRCA/IKA) on the Non-AC area of doorway & gangway of existing wall, Inside of main entrance door, Linen area and almirah.							
	1	30.00	Numbers	31239.40	937182.00	AT Par	937182.00	

21	Description:- Toilet inside decorative coating (Per Toilet) Fire barrier decorative coating for improved aesthetics and anti-graffiti properties as per MMDTS 20046 including repair of FRP wall before paints						
22	1	30.00	Numbers	3590.83	107724.90	AT Par	107724.90
	Description:- Supply design manufacture & fitment of SS dustbin in powder coated.						
23	1	10.00	Numbers	10947.64	109476.40	AT Par	109476.40
	Description:- Toilet bowl seat cover for Western Commode shall be made as per MCF Spec. MMDTS18008 for inside LHB AC toilet (Per Piece) as per Drg. No. JUDW/MECH//18-669						
24	1	30.00	Numbers	800.00	24000.00	AT Par	24000.00
	Description:- Lavatory Wall section 5 Complete As per drawing No. 2 10113.0.30.400.005						
25	1	10.00	Coach Set	9708.15	97081.50	AT Par	97081.50
	Description:- FRP Flap						
26	1	30.00	Numbers	300.00	9000.00	AT Par	9000.00
	Description:- CDTS panel EPDM rubber beading 5 MM thickness X25 MM width						
27	1	30.00	Numbers	2200.00	66000.00	AT Par	66000.00
	Description:- Attachment wall for lavatory accessories of LHB type coaches As per drawing No. LE63154 alt.f						
28	1	30.00	Numbers	2318.84	69565.20	AT Par	69565.20
	Description:- Grab handle As per drawing No. LE63158 alt. nil						
29	1	20.00	Numbers	12065.98	241319.60	AT Par	241319.60
	Description:- FRP Lavatory trough floor Indian style As per drawing No. 1 10113.0.30.300.001						
30	1	10.00	Numbers	12065.98	120659.80	AT Par	120659.80
	Description:- Toilet FRP Flooring western style As per drawing No. 1 10113.0.30.095.083						
31	1	30.00	Numbers	569.94	17098.20	AT Par	17098.20
	Description:- Lavatory window cover As per Drawing No. 210113.0.30.400.006						
32	1	30.00	Numbers	150.00	4500.00	AT Par	4500.00
	Description:- Lavatory door stopper RCNK/MECH/25-013						
33	1	30.00	Numbers	3446.99	103409.70	AT Par	103409.70
	Description:- Lavatory window with fixed Louvers and sealed glass unit for LHB coaches As per drawing no. LW54188						
34	1	520.00	Numbers	218.30	113516.00	AT Par	113516.00
	Description:- DZUS Lion Quarter Turn Fastener Assembly [85-11-560] 1. Stud: 85-11-560-16.2. Receptacle: 85-35-309-56.3. Push-on plastic Retainer: 85@45"45-4510@						
	1	10.00	Numbers	8968.00	89680.00	AT Par	89680.00

35	Description:- Kimberly- clerk professional Aquarius Personal Seat cover dispenser white							
36	1	10.00	Numbers	4139.44	41394.40	AT Par	41394.40	
	Description:- EURO BOWL ASSEMBLY COMPLETE (Western Style) as per Drg. No. RCF DRG NO.LS63117 ALT A OR LATEST							
37	1	20.00	Numbers	3957.43	79148.60	AT Par	79148.60	
	Description:- TOILET BASIN ORIENT TYPE FOR CDTs OF LHB COACHES PART NO:- M/S VIBHU PART NO 24002 OR EQUIVALENT							

Total Estimated Cost of Work incl. of GST **Rs 44848390.76/- (Rupees Four Crore Forty Eight Lakh Forty Eight Thousand Three Hundred Ninety and Seventy Six Paisa only)**

RATES ARE TO BE QUOTED ONLINE

Note: - Before participating in tender, tenderers are requested to go through whole document thoroughly. They should satisfy themselves and they may visit shop. No claim for any deviation in any condition will be entertained & decision of Railway Administration will be final.

*- Rate will be revised as per accepted rates (above, below, at par)

Contractor's Signature and Stamp

Please note: This Annexure is only for the information of tenderer. The tenderer has to offer his rates in the format of e- tender module on website www.ireps.gov.in duly noting down the conditions and instructions in this section. The tenderer should not submit the offer offline.

OTHER CONDITION OF CONTRACT

1. These other conditions of Contract shall govern the works done under this contract in addition to and/or in part supersession of the "General Conditions of Contract" and specifications.
2. Where any of the terms and conditions specified in these other conditions of Contract is at variance with any of the terms of the "General Conditions of the Contract", the other conditions of contract will prevail.
3. No claim for idle labour and or idle machinery etc., on any account will be entertained. Similarly, no claim shall be entertained for business loss or any such loss.
4. The contractor shall make the entire system functional at his own cost for which he will ensure availability of two branded computer with latest features as approved by Dy.CME/RCNK, two printer, wireless broadband connections at his own cost. Cartridge of printer shall be provided by the contractor on monthly basis at his own cost. All system shall be maintained by the contractor in all respect throughout the contract period at his own cost. After completion of contract period contractor may get the system back. However, the data available in the system shall be the sole property of Railways.
5. The contractor shall provide 06 Nos. crash carts for the systematic handling of tools and small consumables during work on the coaches. After completion of the contract period, the contractor may take back the crash carts.
(Specification: 30-bin spare trolley; surface finish – powder coated; bins made of PP; total load capacity – 150 kg; trolley weight – approximately 100 kg (without bins); number of bins – 30 (06 rows with 05 bins in each row); bin size – 355 mm (depth) × 220 mm (width) × 150 mm (height) (approx.); outer body of the trolley – metallic; wheels – 04 Nos., 4" dia. PP wheels; trolley dimensions – height 1185 mm, width 1225 mm, depth 400 mm (approx.);
6. Uniform: - The contractual staff deployed by firm shall wear fluorescent orange net jackets in summer season (April to October) and fluorescent orange full jackets in winter season (November to March) with firm's name printed on front and back of uniform/ dress. Any failure on this account shall make the firm liable for penalty as per penalty clauses.
7. Consignee: Consignee: SSE/Mechanical Furnishing for mechanical-related work and SSE/Electrical Furnishing for electrical-related work shall be the consignee. Both shall be nominated for departmental auditing and shall ensure a foolproof mechanism for inspection, identification of the work executed, and accounting of the released material.
8. Police verification: -The contractor is required to submit police verification report of its employees as deployed by contractor during the course of contract prior to start of work.
9. Working hours: - Normally all work is required to be done in working hours on working days. However, in case of special requirements the aforesaid timings can be changed as per Railway requirement and at the discretion of Railway Administration. If the need arises to work beyond normal working hours, prior permission from railways authorities shall be taken for that.
10. Safety norms: - The contractor and his staff shall abide all the industrial safety rules, statutory rules as applicable to this work/ service and other rules while in the workshop premises. It shall be the sole responsibility of contractor that his staff

comply the rules.

11. Claims & Compensation: - Railway shall not be liable for any claim/ compensation etc. or any accident/ injuries caused to the staff of the contractor during the course of contract. It shall be the responsibility of the contractor to deal with such matters.
12. Communication:- All the communications to the contractor or his authorized representative for work shall be made by consignee for execution of work. Contractor authorized person shall obtain direction from consignee regarding the execution of work.
13. Qualified Engineers: - In terms of Provisions of clauses of GCC, the tenderer shall employ qualified engineer for execution of allotted work as follows: -
 - a) One qualified graduate engineer when cost of work to be executed is Rs 200 Lakhs and above.
 - b) One qualified diploma holder engineer when cost of work to be executed is more than 25 Lakhs but less than Rs 200 Lakhs.
 - c) In case the Contractor fails to employ the Engineer, as aforesaid in above Para, he shall be liable to pay penalty at the rate of Rs 40000 per month in case of above clause (a) and Rs 25000 per month in case of above clause (b).
14. Care to be taken by staff of contractor: -
 - a) The contractor's staff shall in no case/ circumstances carry any dangerous/ inflammable material or any illegal material in the workshop premises.
 - b) The contractor's staff shall not consume or carry any alcoholic substance, tobacco or narcotic drugs in the workshop premises.

The contractor's staff shall take due care about such things, if contractor's staff violates such instructions, then the concerned staff shall be immediately removed from the workshop premises and alternate arrangements be made by contractor such that work is carried out smoothly.
15. The contractor shall be responsible for the general conduct and discipline of his staff; Railway administration reserves the right to take necessary action in form of penalty as per penalty clauses in all cases of misconduct/ indiscipline/ Illegal activities. Contractor shall ensure good credentials of staff engaged for this work in workshop. If any staff member of the contractor is found indulging in misconduct/ indiscipline/ illegal activities, then he shall be immediately removed from the work.
16. Inspection of material: -Inspection of the material in the contract will be as per below mentioned clauses: -
 - a) If the total value of any item as per schedule of rates for item is more than Rs 5 lakh, such items will be pre-inspected by RITES as required by the technical specification of the respective item. The firm will have to submit the RITES inspection report accordingly.
 - b) In case the total value of any item is less than Rs 5 Lakh, the same will be inspected by authorized representative of CWM/RCNK against OEM WTC & GC of the manufacturer.
17. Measurement: - Measurement book is required to be signed by contractor before submitting bill to bill paying authority.
18. Variation of contract: -Railway reserves the right to vary tendered/Contract schedule as per extent provisions of GCC with latest correction slips; contractor has to abide the same.

19. Termination of contract:-Railway Administration may terminate the contract by giving to the contractor a notice without assigning any reason thereof and in the event of breach of any condition therein, committed by the contractor in the event of any misconduct on the part of the contractor or his workman, it shall be lawful for the Railway Administration to terminate this agreement forthwith without any notice and to forfeit the whole or part of security deposit at their discretion without being liable to the contractor for any loss or damage whatsoever.
20. Suspension of work: - The contractor shall on the direction of Railways, suspend the progress of the works or any part thereof for such time or times and in such manner as Railway may consider necessary.
21. Shramik kalyan:- The firm on issue of LOA is required to be registered on Shramik Kalyan as per relevant clause of GCC-2022 and shall keep the portal updated on regular basis
22. Payment Terms:
 - a) No advance payment shall be made to the firm.
 - b) Payment shall be made to the firm after successfully completion of work on per coach basis and actual consumption of material and certification by consignee or authorized representative of Dy.CME/RCNK and gazetted officer.
 - c) Contractor should submit bill in Triplicate copy with summarized sheet to consignee or authorized representative of Dy.CME/RCNK. The consignee or authorized representative as nominated by Dy.CME/RCNK/SNP will certify/get certification of the work mentioned in the bill along with his detailed report. Bill formats & Measurement book is required to be signed by Contractor before proceeding to the bill-to-Bill payment authority.
 - d) Bill passing authority shall be Dy.CME/RCNK/SNP and Bill payment authority shall be WAO/JUDW or his authorized officer.
 - e) Payment to firm shall be released after certified by consignee or authorized representative of Dy.CME/RCNK/SNP and verified by Gazetted Officer
 - f) Railway will recover the amount of tax, if any, is added to the output tax liability of Railway due to non-payment by the supplier/vendor.
23. Penalty conditions:
 - a) If any labour is found without Identity Card or proper Uniform, a penalty of Rs 100/- per occasion/labour will be charged.
 - b) The Firm shall ensure that materials required for fitment are not placed in the working area and are kept only in the nominated storage area. In case of non-compliance, a penalty of Rs 500 per day per occasion shall be imposed on the Contractor.
 - c) The workers should behave in polite manner & maintain cooperation with Railway officials. Any misbehaviour / misconduct by contractor staff is highly undesirable and such incidents if reported, will be penalized Rs 500/- for each occasion. In addition to that, other actions as may deem fit by Railway administration shall also be taken.
 - d) The firm shall complete the stripping work within 4 calendar days from the date of intimation of handing over the coach to the firm. In case of delay, a penalty of Rs 2000/- per day shall be imposed on the contractor for the delayed period, subject to a maximum of 10% of the contract value.
 - e) The firm shall complete the fitment/furnishing work within 20 calendar days from the date of intimation of handing over the coach to the firm for furnishing

activities. In case of delay, a penalty of Rs 2000/- per day shall be imposed on the contractor for the delayed period, subject to a maximum of 10% of the contract value.

- f) 100% trouble free/Breakdown free operation of Vendor supplied items is to be ensured in warranty period during running of train from Primary maintenance depot. A free period of 36 Hrs. From time of information to time of attention will be given, beyond which penalty of Rs 1000/- Per coach per 24 Hrs. Will be levied.
 - g) If it is observed at any time by Railway Administration that the performance of the tenderer(s) in execution of various activities as mentioned above or part of the activities is not satisfactory or against the interest of the Railways, then a penalty up to Rs 5000 per occasion will be imposed as deemed fit with the approval of JAG level officer. The decision of the Railway Administration in the above matter will be final and binding on the contractor.
24. Statutory levies: Any statutory levies imposed by the State or Central Government from time to time during the currency of the contract after opening of tender shall be reimbursed/payable by Railway.
25. Final authority: CWM/RCNK/SNP shall be the final authority for settling the disputes, if any.
26. General Conditions of Contract (GCC) 2022 or latest with all amendments shall be applicable.
- Any query regarding Scope of work, Terms & conditions or others, may be communicated:
- i. Designation: Assistant Works Manager**
 - ii. Address: Rail Coach Naveenikaran Karkhana, Barhi Industrial Area, Phase III, Distt. Sonipat, PIN -131101, Haryana**
 - iii. Phone No.: 01302206207, 205.**
 - iv. e-mail: awmrcnksnp@gmail.com**
27. It is responsibility of the tenderer that they ensure to see any corrigendum of the tender to check the corrigendum on the IREPS website from time to time.
28. It is advised to all bidders who are interested in the tender, to visit RCNK premises for better clarity about scope of work before submission to bid.

-----END OF TENDER DOCUMENT-----