

दक्षिण पूर्व मध्य रेलवे, रायपुर
SOUTH EAST CENTRAL RAILWAY RAIPUR

कार्य का नाम / NAME OF THE WORK

एलसी संख्या RV-17 के स्थान पर, NRDA (NRDANVP) द्वारा
MNDH-LAE स्टेशन के बीच R-VZM शाखा लाइन पर किलोमीटर
21/3-4 (21.230) पर ROB के निर्माण हेतु टीआरडी कार्य।

**TRD works for "Construction of ROB at R-VZM branch line
between MNDH-LAE station at KM 21/3-4(21.230) by
NRDA(NRDANVP) in lieu of LC no. RV 17".**

निविदा सूचना नं. टीआरडी-आर-2026-E02
Tender Notice No. TRD-R-2026-E02

निविदा दस्तावेज
TENDER DOCUMENT

जारीकर्ता
वरि. मंडल विद्युत् इंजिनियर (क.वि.)/रायपुर
SENIOR DIVISIONAL ELECTRICAL ENGINEER/TRD/RAIPUR
Divisional Railway Manager's Office (Ground Floor),
RAIPUR-492008
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SOUTH EAST CENTRAL RAILWAY

Tender Notice No: - TRD-R-2026-E02

Name of work:- **TRD works for "Construction of ROB at R-VZM branch line between MNDH-LAE station at KM 21/3-4(21.230) by NRDA(NRDANVP) in lieu of LC no. RV 17".**

Tender value : **Rs.61,27,366.55/-**

Bid Security : **Rs.1,22,600/-**

Submission of Tender : **Upto 12:00 hours on dt. 14.07.2026**

Opening of Tender : **12.00 hour dt. 14.07.2026.**

For further details of Tender document, eligibility criteria & the complete details for the above work, please contact office of the Sr.DEE/TRD/R, SECR or refer /download tender document which is available on our website: www.ireps.gov.in.

Instructions to Tenderers (ITT)

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

1.01 Order of Precedence of Documents: In a contract agreement, in case of any difference, contradiction, discrepancy, with regard to conditions of tender/contract, specifications, drawings, Bill(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.

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

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

- (a) "Railway" shall mean the President of the Republic of India or the administrative officers of the Railway or Successor Railway authorized to deal with any matter, which these presents are concerned on his behalf.
- (b) "General Manager" shall mean the Officer-in-Charge of the general superintendence and control of the Zonal Railway/Production Unit and shall also include Addl. General Manager, General Manager (Construction) and shall mean and include their successors of the Successor Railway.
- (c) "Chief Engineer" shall mean the Officer-in-Charge of the Engineering Department of Railway and shall also include Chief Engineer (Construction), Chief Electrical Engineer, Chief Electrical Engineer (Construction), Chief Signal & Telecom Engineer, Chief Signal & Telecom Engineer (Construction), Chief Mechanical Engineer and shall mean and include their successors of the Successor Railway.
- (d) "Divisional Railway Manager" shall mean the Officer-in-Charge of a Division of Zonal Railway and shall mean and include Divisional Railway Manager of the Successor Railway.
- (e) "Engineer" shall mean the Divisional Engineer or Executive Engineer, Divisional Signal & Telecom Engineer, Divisional Electrical Engineer, Divisional Mechanical Engineer in executive charge of the works and shall include the superior officers, both Open Line and Construction Organisations, of Engineering, Signal & Telecom, Mechanical and Electrical Departments, i.e. the Senior Divisional Engineer/Deputy Chief Engineer, Senior Divisional Signal & Telecom Engineer / Dy. Chief Signal & Telecom Engineer, Senior Divisional

Electrical Engineer / Deputy Chief Electrical Engineer, Senior Divisional Mechanical Engineer and shall mean & include the Engineers of the Successor Railway.

(f) "Tenderer" shall mean the person / firm / co-operative or company whether incorporated or not who tenders for the works with a view to execute the works on contract with the Railway and shall include their representatives, successors and permitted assigns.

(g) "Limited Tenders" shall mean tenders invited from all or some contractors on the approved or select list of contractors with the Railway.

(h) "Open Tenders" shall mean the tenders invited in open and public manner and with adequate notice.

(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.

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

CREDENTIALS OF CONTRACTORS

2. Application for Registration 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, 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 fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Bid Security of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation that may happen thereto while in their

possession, nor be liable to pay interest thereon.

(2) The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per **Annexure-VIA** and shall be valid for a period of 90 days beyond the bid validity period.

(3) **In case, submission of Bid Security in the form of Bank Guarantee, following shall be ensured:**

- i. A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (IREPS) while applying to the tender.
- ii. The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document **before closing date** for submission of bids (i.e. excluding the last date of submission of bids).
- iii. Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid.
- iv. The Tender Security shall remain valid for a period of 90 days beyond the validity period for the Tender.
- v. The details of the BG, physically submitted should match with the details available in the scanned copy and the data entered during bid submission time, failing which the bid will be rejected
- vi. The Bank Guarantee shall be placed in an envelope, which shall be sealed. The envelope shall clearly bear the identification “**Bid for the ***** Project**” and shall clearly indicate the name and address of the Bidder. In addition, the Bid Due Date should be indicated on the right hand top corner of the envelope.
- vii. The envelope shall be addressed to the officer and address as mentioned in the tender document.
- viii. If the envelope is not sealed and marked as instructed above, the Authority assumes no responsibility for the misplacement or premature opening of the contents of the Bid submitted and consequent losses, if any, suffered by the Bidder.

6. Care in Submission of Tenders:

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

Indian Railway along with interest and penalties, if any imposed by the authorities, in case GST input tax credit of Indian Railway 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 provision 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 provision 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 each member of a Partnership Firm/Joint Venture(JV)/Hindu Undivided Family(HUF)/Limited Liability Partnership(LLP) as the case may be.** Non submission of above certificate(s) by the bidder shall result in **summarily** rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.

CONSIDERATION OF TENDERS

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

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

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

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

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

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

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

8. Execution of Contract Document: The Tenderer whose tender is accepted shall be required to appear in person at the office of General Manager/General Manager (Construction), Chief Administrative Officer (Construction), Divisional Railway Manager or concerned Engineer, as the case may be, or if tenderer is a firm or corporation, a duly authorized representative shall appear (there would be no need for appear in person if agreement is signed digitally) and execute the contract agreement within seven days of notice from Railways that the Contract Agreement is ready. 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.

9. Form of Contract Document: Every contract shall be complete in respect of the document it shall so

constitute. Not less than 2 copies of the contract document shall be signed by the competent authority and the Contractor and one copy given to the Contractor (there would be no need of signing two copies if agreement is signed digitally).

(a) For Zone Contracts, awarded on the basis of the percentage above or below the applicable chapter(s) of Standard 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.

(b) For contracts for specific works, the contract document required to be executed by the tenderer whose tender is accepted shall be an agreement as per specimen form Annexure- IV.

Additional Instruction to Tenderer

1. Before submitting the offer, please read carefully complete e-tender document including Instructions to Tenderers for E- Tenders for works contract, E-Tender Guidelines, Indian Railway Standard General Conditions of contract, available on the South East Central Railway page on the web site www.ireps.gov.in.
2. The intending tenderer is advised to study tender papers, concerned specification and other instructions carefully. The tenderer shall inspect the proposed site of contract and acquaint himself with the site conditions, working hours, stacking space for materials, and all relevant items connected with execution of contract. The submission of tender shall be deemed to have been done after careful study and examination of the tender papers with full understanding of the implication thereof, unless otherwise, specifically commented upon by the tenderer in his quotation.
3. In the event of the tenderer desiring to have an independent field survey before submitting offer, he may apply to Railways for permission in this regard. Such permission will be given in writing by the Railways but the expenses in this regard will be borne by the tenderer completely.
4. Your digital signature on the E-Tender form will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents referred above as well as schedule of tender, consisting of techno-commercial offer form (including special conditions attached to E-Tender) and financial offer form, unless specific deviation is quoted in the techno-commercial offer form.
5. Tenderers should watch the website for any corrigendum/addendum to the NIT or tender document, if any that may be uploaded in the same website as there will not be any separate communication for that.
6. Manual Offers sent by Post/FAX or in person shall not be accepted against such e-tenders, even if these are submitted on the firm's letter head and received in time. The manual offer uploaded as attached document shall not be considered also. All such manual offers shall be considered as in-valid offers and shall be rejected summarily without any consideration received in time.
7. All the mandatory declarations stipulated in the tender document which are to be submitted along with the bid shall be submitted duly digitally signed or manually signed, scanned and uploaded.
8. Validity of Bid offer: -
 - (i) The Bid offer shall be valid for a period of 60 days from the Closing Date of Tenders.
 - (ii) In exceptional circumstances, prior to expiry of the original Bid offer validity period, the Employer may request the tenderers for a specified extension in the period of validity. The request and the response thereto shall be made in writing.
9. Tenderer(s) shall keep themselves updated about any modification in the tender notice and tender document, issued by Railways through either off newspapers or website or e-mail or any other means and shall act accordingly. It is the responsibility of the Tenderer(s) to check if any corrections or modifications are published subsequently on the Website and the same shall be taken into account while submitting the tender.
10. **Unit Price:** - The unit prices quoted by the tenderer should inclusive of all types of duties, taxes and levies applicable to this contract **INCLUDING GST** and other applicable taxes if any as on date of tender opening, imposed by the central and state Governments and taken into consideration of all relevant factors unless otherwise authorized by the concerned Authorities.

11. Submission of Documents

The **tenderers must fill all the documents with the offer** (consisting of eligibility criteria, terms & conditions, performance statement, deviation statement, checklist & special conditions, Commercial & technical compliance, etc.) and shall attach/upload scanned copies of the following documents along with the e-Bid: –

Tenderer's Credentials:

a. Technical Eligibility Criteria:

List of similar works, as defined in the tender document, completed during the last seven financial years, along with completion certificates issued by the employer, indicating description of work, organization for whom executed, value of completed work, date of award, date of start, and actual date of completion. In case the contract includes works other than similar nature, the value of similar work executed shall be distinctly indicated in the certificate, as per **Clause 10.1 of Tender Form (Second Sheet) of GCC-2022**.

Note: Definition of Similar Nature of Work:- ***“Execution of 25kV/2x25kV Electrification work OR Execution of 25kV/2x25kV feeder wire work OR Execution of 25kV/2x25kV OHE modification work OR Execution of 25kV/2x25kV OHE upgradation work OR Execution of 25kV/2x25kV OHE maintenance work OR Execution of 25kV/2x25kV OHE AMC work OR Execution of 25kV/2x25kV OHE rehabilitation work OR Execution of 25kV/2x25kV OHE replacement work i.e. catenary wire/contact wire/feeder wire/ ATD/ cantilever assembly OR Execution of 66kV or higher voltage overhead Transmission line work OR Execution of 66kV or higher voltage Sub-Station work”.***

b. Financial Eligibility Criteria / 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 **as per Clause 10.2 of Tender Form (Second Sheet) of GCC-2022**.

- c. The Tenderer/Firm must possess a valid **Electrical Contractor License (ECL)** for 25kV or above. A copy of the license shall be uploaded on the IREPS portal along with the bid. Bids submitted with an ECL issued in the name of any other firm/tenderer shall be summarily rejected. In case the ECL is not valid as on the date of opening of the tender, documentary proof of its renewal shall be submitted.
- d. Documents relating to constitution of the legal entity, viz. proof of proprietorship / partnership deed / LLP agreement / Memorandum and Articles of Association, as applicable, for the tenderer (and for each member in case of JV/consortium), as stipulated in **GCC-2022 with latest correction slips**, along with **Power of Attorney**, wherever applicable.
- e. Submission of Document Verification Certification as per **Annexure- V(A) of GCC 2022**.
- f. List of works on hand indicating description of work, contract value, approximate value of balance work yet to be done, and date of award.
- g. List of personnel and organizational set-up available on hand and proposed to be engaged for execution of the subject work.
- h. List of plant and machinery available on hand and proposed to be inducted/hired for the tendered work.
- i. Certificate of information regarding employment/partnership etc. of retired Railway employees with the tenderer.
- j. PAN Card issued by the Income Tax Department.
- k. Goods & Services Tax (GST) registration certificate.
- l. EPFO and ESI registration certificates.

Note:

(i) The documents listed above from serial no. (a) to (e) are mandatory and non-submission of these documents **from shall render the bid liable for rejection**.

(ii) The remaining documents listed above from serial no. (f) to (l) are also mandatory for the tenderer. However, in case any of these documents are not uploaded along with the e-Bid, the same may be required to be submitted by the successful tenderer after issue of **LOA and before execution of the Contract Agreement**, within the stipulated time, failing which appropriate action shall be taken.

12. E-Bid along with above documents must be uploaded and signed by the authorized

- personnel of the firm using his Digital Signature Certificate.
13. E-tender is not transferable and the same is to be submitted with digital signature by the pre-authorized personnel of the vendor, already registered with the site.
 14. The on-line bidding doesn't permit submission of offer after stipulated date and time of the e- tender. Hence there is no scope for late/delayed tenders.
 15. The computer-generated comparative statement forms the basis for evaluation of offers, deciding the inter-se ranking of offer and further deciding of the tender accordingly. Therefore, the entries for rate, taxes, duties, freight and other levies shall have to be made only in the relevant field as provided in financial offer form in the units specified in the financial offer form itself. In case any entry is left blank or made outside the relevant field, the same will be ignored by the system with its impact as nil while evaluating the offers and deciding the inter-se ranking of the offers.
 16. No remarks having financial implication and no terms and conditions should be entered in remark field of the financial offer form.
 17. No deviation from the terms and conditions stipulated in the tender document shall be allowed. Offers containing deviations are liable to be rejected. Deviation if any, if insisted upon, must be brought out in techno-commercial offer detailing clause no., stipulation as per clause and deviation asked for. Otherwise, the tenderer shall be deemed to have accepted all provisions of the tender document. Tenderer should evaluate and submit the financial impact, if any, of deviation conditions if quoted by him. The purchaser, however, reserves the right to accept or reject these deviations and his decision thereon shall be final.
 18. Railway Administration shall not be responsible for any delay / difficulties / inaccessibility of the portal facility for any reason whatsoever.
 19. **ERRORS OMISSIONS & DISCREPANCIES:** - Should a tenderer find discrepancies in, or omission from any of the Tender Document or he has any doubt to their meaning, he should at once notify the Railway who may take appropriate action, if needed. The Contractor(s) shall Not take any advantage of any mis- interpretation of the conditions due to typing or any other error and if in doubt, shall bring it to the notice of the Engineer, without delay. In case of Any contradiction, only the printed rules and books should be followed and no claim for the mis-interpretation shall be entertained.
 20. **RATES DURING NEGOTIATION:** -The tenderer shall not increase their quoted rates in the event of negotiations by the Railway Administration for a reduction of rates. Such negotiation shall not amount to the cancellation or withdrawal of the original offer, and the rates initially quoted will be binding on the tenderer.
 21. **TENDERERS' ADDRESS:** - Tenderer shall state in the tender his postal address fully and clearly along with valid documents such as firm registration copy etc. Any communication sent to the tenderers by post at his said address, shall be deemed to have reached the tenderer duly & timely, notwithstanding the fact that the communication could not reach the tenderer at all or in time for whatever reason. Important documents shall be sent by Registered post.
 22. Each Tenderer shall upload only one tender. If a Tenderer uploads more than one Tender, all the tenders in which he has participated shall be considered invalid.
 23. **Clarification and Amendment of Tender Documents: -**
 - (i) At any time prior to the deadline for the submission of tenders, the employer may, for any reason, whether at his own initiative or in response to a clarification or query raised by a prospective tenderer, modify the tender documents by an amendment. A prospective bidder requiring any clarification of the tender documents may upload their queries on e-tendering portal not later than the date of seeking clarifications given in NIT.
 - (ii) The said amendment in the form of an addendum and responses to the queries raised, if any, will be uploaded on the e-tendering portal which can be seen and downloaded by the bidders.
 - (iii) In order to afford prospective tenderers reasonable time for preparing their tenders after taking into account such amendments, the Engineer or the Employer may, at his discretion, extend the deadline for the submission of tenders.

24. TENDER OPENING: -

- i) The date of opening of tender will be same as that of date of closing the tender as specified in NIT.
- ii) No Tenderer shall be required to be present in the Railways office for any E-Tender opening process. They can obtain totally transparent bid tabulation statement by logging on to the website, after the scheduled time and date of tender opening.
- iii) Railway does not guarantee opening of tenders at the specified date and time due to reasons beyond control and hence, tenders can be opened after due date and time also. Vendors cannot submit any offer or attach any file after the due date and time as stipulated under the tender notice.
- iv) The criteria for evaluation of inter-se-position of tenderers shall be based on overall offered value.
- v) In case the date of opening happens to be a holiday, the tender will be opened at the same time on the next working day but submission time and date fixed for the receipt of the offers will not be extended.

25. PROCESS TO BE CONFIDENTIAL

- (i) Except the public opening of tender, information relating to the examination, clarification, evaluation and comparison of tenders and recommendations concerning the award of Contract shall not be disclosed to tenderers or other persons not officially concerned with such process.
- (ii) Any effort by a tenderer to influence the Employer in the process of examination, clarification, evaluation and comparison of tenders and in decisions concerning award of contract, may result in the rejection of the offer of the Bidder.

SPECIAL CONDITIONS OF CONTRACT

Sl	Item	Detail	Special Condition
1	Specifications	Specifications and standard drawings	Contractor can purchase the necessary standard drawings, at his own cost either from CORE/RDSO on payment. No delay in execution of work shall be accepted on this account.
2	Materials	Procurement of Stores	All materials to be supplied by the contractor have to be duly inspected by RITES or a competent supervisor as appointed by Sr. DEE (TRD)/R. Charges for all type of inspections /tests will be borne by the contractor. No payment will be made unless the inspection certificate has been submitted along with supplier's original challan . The materials have to be procured only from approved regular sources of RDSO / CORE as applicable.
		Deposition of stores	All items shall be handed over to Nearest Depot or nominated OHE/PSI incharges or as advised by the competent authority. Railway may issue the material to the contractor, after 7 days of supply or material may be drawn as per site requirement as per decision of Sr. DEE (TRD)/R. Contractor has to submit indemnity bond against issued material to the Railway.
		Transportation of Stores	Transportation of all materials have to be carried by the contractor with his own arrangements at their cost and railway will neither provide any assistance towards transportation of materials nor any cost towards transportation of materials required in connection with the execution of work. The materials will be supplied from purchaser's depot either at Nearest OHE /PSI depot or nominated OHE /PSI incharges as advised by the competent authority.
		Supply of stores by Railways	Railways have the right to Supply any item if available with the railway even though it is covered under the scope of Supply by the contractor. The quantities to that effect will be reduced from the scope of Supply accordingly.
		Variation in quantities	Quantity of any item can vary during execution of the work as decided by DEE/CO/TRD/R or Sr.DEE (TRD)/R or his authorized representative within plus or minus 25 % of total value and any further variation more than 25% will be done as per latest GCC and approval of competent authority.
		Availability of Materials	All tools and plants and materials required for the next fifteen days at the site of work shall be physically made available at the site. No T&P and M&P shall be provided by the Railway.
3	Execution	Plan for execution	The tenderer is required to submit a plan for execution the work so as to complete the job in the specified period along with offer . During execution, contractor will give weekly plan and daily progress report.
		Lighting Arrangements	Contractor will have to arrange for adequate lighting for night working.

	Minimum Staff	Contractor will provide adequate manpower for execution of the work. Site register shall indicate the availability of staff and their deployment. Site register shall be signed everyday by representatives of Railways and Contractor. Taking into account quantum of work and time bound completion of various activities , Railway Engineer may time to time intimate in writing demanding contractor to deploy mor number of staff, as fits necessary and such demand will be binding upon the contractor, however Engineer may provide time margin to contractor for such conditional arrangement, as fits suitable.
	Working shifts	Staff shall be available to work in shifts. Shifts shall be decided from time to time and contractor will maintain flexibility in shift timings.
	Tools and plants	All materials like tools, tackles, materials handling equipment, rope, extension type Alluminium ladder 22 feet, discharge rod, come along clamps, pull lifts, other lifting tackles, crane etc., as required for this work shall have to be arranged by the Contractor at his own cost for successful completion of work. Contractor has to submit the test certificate of the tools and plants which will be used during work, to the Railway before execution of work.
	Power Block Working	Any work falling under power block will be determined by the Railway Engineer and the power blocks will be arranged by the Railway Supervisor on request in writing by Contractor. The contractor has to work with minimum power block as decided by the railway and penalty can be imposed to the contractor for exceeding of the arranged power block in a particular type of work.
	Drilling of holes in rails	While drilling holes on the Web of the non-track circuited Rails for providing all type of Traction bonds, Gas Cutter shall not under any circumstances be used. Ratchet Hand / Electric Driven with 17.50 mm Drill bit shall only be used for drilling holes on the Rails.
	Excavation	<p>During execution of work Contractor shall ensure proper safety of their workers as well as also Railway properties. If excavation to be done between two running lines or close vicinity to high-speed section (e.g. Main Line between BSP to Durg) contractor shall apply for proper Caution order with consultation to Railways supervisors in advance and after permission of caution order from operating department excavation work can be executed. No Excavated place shall be left opened for more than 24 hours and caution order will be effective for maximum three days.</p> <p>During excavation successful Contractor shall take proper protection and adopt safety measure to avoid slipping of track ballast into the excavated place to avoid disturbance in track parameter in anyway. JPO for excavation shall be complied properly. (Authority: RB's letter no. 2021/Tele/5(2)/3-Part (1)(3425647) Dt. 12.06.2023 subsequently RB's letter no. 2024/CE-I/CAO(C)Workshop/part-02 Dt. 03.06.2024)</p>

4	Communication	Communication facility.	Contractor has to arrange communication facilities (Wherever facility available) to his site in-charge at site office for daily progress monitoring.
5	Tests	Tests (If required)	The cost incurred in carrying out Cube test for concrete foundation sample shall be borne by the contractor.
6	Penalties	Delays and penalties	Penalty shall be imposed both for non-completion of work as detailed in the plan for execution of the job and non-Supply of materials by the Tenderer / Contractor in time. as per GCC 2022 with latest correction slips.
7	Disputes / Claims	Settlement of Disputes:	As per latest GCC 2022 and latest correction slips.

8. **Site Inspection:** Before offering the rates in the tender, the tenderers are required to inspect the site thoroughly and satisfy themselves as to the nature of work involved and all possible difficulties likely to be encountered for executing the work.
9. **Discretion in Item Operation:** Railway will exercise absolute discretion for operating all or some items of the schedule. The quantities indicated for different items are indicative approximate and may vary from nil to actual requirements at the time of execution.
10. **Responsibility for Losses and Injuries:** The contractor will be held responsible for any loss, damages, or injury during the course of work to the labours or to public/private persons. The contractor shall bear all the loss and expenditure involved. No compensation towards any accident either to you or your representative or your labour will be paid by the Railway. Statutory obligations and liabilities in this regard must be adhered to by the contractor.
11. **Safety of Labour and Materials:** It is the sole responsibility of the contractor for safety of his labour, tools and plants, materials while executing the work.
12. **Procurement of Equipment:** Procurement of all necessary plants, equipment, pumps, or any other machinery required for the work etc. should be done by the contractor at his own cost and no extra payment will be made.
13. **Proximity to Running Track** There shall be noted by the contractor that the work involves working in close proximity to the existing running track. The contractor shall ensure that no damage, injury or loss is caused or likely to be caused to any person or property. The rates quoted shall be inclusive of all loads. Lifts re-handling if any due to crossing of track and also shall cover risk to track, Life and property during execution of work. The contractor shall adopt all precautionary measures to safe guard track life property structure while execution of work and the rates shall include all measures.
14. **Alteration of Drawings:** The Railway reserves the right to alter the drawings. If due to changes in drawing or design or any other reasons, there is a variation either increase or decrease in quantities, payment will be made only for the actual quantities executed at the accepted rates. Such circumstances shall in no way affect or vitiate the contract or alter the character thereof or entitle the contractor to damages or compensation thereafter, except as provided for in this contract.
15. **Erection Insurance Policy:** The contractor has to obtain an **“Erection Insurance”** Policy from the General Insurance Company before execution of the work, without which, no material can be handed over to the Contractor and for any delay in obtaining necessary Insurance, the Contractor only will be responsible.
16. **Payment for Materials:** For supply of materials as per schedule, payment will be made only to the extent of materials supplied as per schedule. The Contractor will safeguard theft, etc., of materials till completed assets are taken-over by the Railway.
17. **Applicability of General Conditions:** If there is any item, which is not covered by the Special Conditions of the Contract or by the Terms and Conditions mentioned elsewhere in the tender, the Terms and Conditions mentioned in General conditions of Contract

applicable to Works Contract of South East Central Railway shall apply. In case, there are any contradictions between the Special Conditions and General Conditions of Contract, the Special Conditions of Contract shall prevail.

18. **Newly created Assets:** All the newly created assets should be **maintained by Contractor for a period of one year after completion of work.**
19. **Extension of Date of Time:** The contract will be dealt as per clause 17A and 17B of part II of GCC 2022 and its correction slips.
20. **Compliance with Labour Laws:** It will be the entire duty/ responsibility of the contractor only to enforce Regulations/ compliance of all labour laws, hours of employment, Insurance and any other Act/provision etc. enforced from time to time.
21. **Compliance with Government Laws:** The contractor shall be liable to honor Central and State Govt. laws, statutory rules, regulation, notifications like legislation, local self-Govt./Municipal requirements etc. and shall be solely responsible for any breach thereof. Railway stands indemnified against any penalty/prosecution's consequent to the violation (deliberate or inadvertence) by the contractor or his employees, representatives etc. of such statutory provisions in force. Also liable to abide all laws related to EPF and ESI etc.
22. **Use of Contractor's Vehicles:** Vehicles and equipment of contractors can be drafted by Railway Administration in case of accidents /natural calamities involving human lives. Contractor's Vehicle and equipment will be drafted by Railway Administration for disaster management purpose as and when required by the Railway. Payment for the above items shall be made in the Contractor as non-schedule item of work.
23. **Supervision and Joint Inventory:** The work will be done under the supervision of the railways. Before commencing the work of joint inventory of existing materials at site is to be taken by the Railway's representative and yourself and signed jointly.
24. **Employment of Engineers:** In terms of provisions of Clause 26A.1 to the General Conditions of Contract (GCC) 2022, the Contractor shall also employ qualified Graduate Engineer(s) or equivalent, or qualified Diploma Engineer(s), or as prescribed in the tender documents. And in term of 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. In terms of 26A.1 of GCC2022 the contractor shall employ the following staff during execution of work:-
 - a. One Qualified Graduate Engineer when the cost of work to be executed is Rs. 200lakh and above, and
 - b. One Qualified Diploma holder Engineer when cost of work to be executed is More than Rs. 25 Lakh, but less than Rs. 200 Lakh

Note:- Technical staff should be available at the site wherever required by the engineer In-charge to take instruction. Further in case the contractor fails to employ the Qualified Engineer, as aforesaid above, he, in terms of provisions of clause 26A.2 shall be liable to pay an amount of Rs. 40,000/- and Rs. 25,000/- for each month or part thereof for the default period for the provisions, as contained in para 23(a) & 23(b) above respectively. {Authority :Railway Board's letter no. 2012/CE-I/CT/O/20, Dated 10.05.2013}

The decision of Engineer In charge as to the period for which the technical staff was not employed by the contractor and the reasonableness of the amount to be deducted to this account shall be final & binding on the contractor. The contractor should furnish the relevant details /document of the technical proposed to be engaged by him within 15 days of issue of LOA. Technical person engaged by contractor should regularly signed the suite order book.

25. **Certificate for Technical Staff:** The supervisor/ officer entering the measurements into MB should obtained a certificate that contractor has engaged required number of technical person as per special condition of contract.
26. **Variation in Quantities:** Variation In quantities of items during execution of works Contracts – Limits & Rates will be governed under clause of the General Conditions of Contract 2022.

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

- i. Quantities operated upto and including 100% of the agreement quantity of the concerned minor value item, shall be paid at the rate awarded for that item in that particular tender;
- ii. Quantities operated in excess of 100% but upto 200% of the agreement quantity of the concerned minor value item, shall be paid at 98% of the rate awarded for that item in that particular tender;
- 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.

27. **Variation in Foundation Items:** No such quantity variation limit shall apply for foundation items.
28. **Vitiation of Contract:** In case of vitiation due to variations in quantities, the amount by which vitiation occurs will not be payable to the contractor/tenderer/s.
29. **Termination of Contract:** Notwithstanding provisions of conditions above, railway reserves the right to terminate the contract if the contractor fails to commence the work or fails to adhere to the schedule of work laid down in the contract, even before the stipulated date of completion of the contract.
30. **Care During Excavation:** The contractor shall take utmost care while carrying out the works including excavation so as not to cause any damage to the existing Railway underground and other cables, water pipe lines and other networks/structures. In case cable is damaged by the contractor due to fault of his personnel, he is liable for a **penalty of Rs.1,00,000/-** for each case, for the loss caused to the Railway. His work is also liable to be stopped till such time he takes measures which are certified to be satisfactory by the executing supervisor.
31. **Handling Inadvertent Mistakes/Omissions:** For all the inadvertent mistakes/omissions while copying or referring to letters/Orders/Manuals/ USSOR/Rules Circulars etc., in these documents, the original shall old good and shall be referred in case of such mistakes.
32. **Conflict/Contradiction Resolution:** In case of any conflict/contradiction between provisions of:
1. Bills (Schedule) of quantities and rates
 2. Special condition of contract
 3. Instructions to tenderers
 4. General Condition of Contract
- The procedure will be in the same order i.e. provisions mentioned in the Bills (schedule) of quantities and rates will prevail over the remaining three. Provision mentioned in special condition of contract will prevail over instructions to tenderers and GCC. Instructions to the tenderers will prevail over GCC.
33. **TAXES AND ROYALTY:-** The GST ACT (all types) and Rules will be applicable for this tender, and the changes in taxes time to time will be recoverable as per extant rule . With GST act in force, it will be responsibility of service providers (i.e contractors) to submit invoice (bills) duly segregating the GST component from the Gross amount of work executed. The contractor is liable to pay any charges/fees levied by the local authority/Government during execution. Income tax @ 2% plus surcharge & 2% GST TDS as applicable time to time on the amount to be paid by the contractor in pursuance of the contract which will be deducted from the bills preferred by him in accordance with section 1204C of the Income Tax act, 1961 as introduced through finance Act of 1972 or as amended from time to time. 1% cess charges onwards Building and other Construction works (Regulation of Employment and conditions of service) Act, 1996 is also liable to pay by the contractor. All the taxes levied by Central or state govt. or introduced during

currency of contract, will be liable to pay by the contractor and will be recovered from the running and final bill whatsoever are applicable at that time.

34. **Mobilization Advance and Payment Terms:** Mobilization advance is not applicable to this work as the value of tender is below Rs 25 crore. {Authority: Railways Board's letter no. 2007/CE-I/CT/18/Pt.3 Dt. 05.03.2019}. The contractor shall make necessary arrangements of machinery, tools and plants to complete the above work at his own cost. The mode of payment will be as per the rate of items given in the Tender schedule. The payment will be done as per the quantity executed by the contractor as per the specification and approved drawings of the railway. The payment will be made in different stages through on account bills.
35. **Joint venture of firms** will not be applicable up to tender value Rs.10 crore. {Authority: Railway Board's letter no. 2002/CE-I/CT/37 JV Pt.VIII Dated 14.12.2012}
36. **Explanatory Note:** - Explanatory Notes for various items of works included in the schedule are enclosed to this tender paper. Tenderer should carefully read and include all the cost of materials and erection, testing and commissioning as clearly explained in the Explanatory Note in scope of work. All the information regarding material(s), specifications, erection etc. are to be interpreted in term of their relevant activities and meaning in practice. For any clarification in this regard, decision of Engineer will be final and binding upon contractor.
37. **Terms of payment:** - Subject to any deduction or recoveries which the purchaser may be entitled to make under the contract, the contractor shall unless otherwise greed to be entitled to get the payments subject to conditions stipulated in the subsequent clauses.

I. ON ACCOUNT PAYMENT:-

(a) ON Account Payment to extent for supply as per Payment schedule mentioned below will made under total be made on unit price of such items included in the schedule of price for supply and 95% for erection only and executed in terms of this contract for which Sr. DEE(TRD) considered appropriate and acceptable to make the On Account Payment.

(b) All Invoices shall be accompanied by the

- i. Supplier's/Manufacturer's challan in original
- ii. Inspection certificate issued by RITES or Sr.DEE (TRD)/R or authorized representative of Sr.DEE (TRD)/R
- iii. Execution of indemnity bond on stamp duty if materials supplied by the Railways.
- iv. Manufacturer test certificate wherever applicable.
- v. Detailed entries made in the measurement book.

II. FINAL PAYMENT: - Balance Payment will be made through final bill only after satisfactory completion of the entire contractual work, satisfactory operation and No Claim certificate in favour of Railway is issued by the contractor.

III. PAYMENT SCHEDULE: -

Schedule Item No.	On Account Payment		Final Payment	
	Supply	Erection	Supply	Erection
All Sch. Item	80%	0	5%	5%
Progress payment for all individual Sch item to be paid on erection.	15%	95%		

Payment schedule as per above.

38. Warranty: -

- i) The contractor shall warranty satisfactory working of the installation erected by him, for a **period of twelve months from the date of provisional acceptance** of each installation.
- ii) During the period of warrantee, the contractor shall be liable for the replacement of any

- parts which may be found defective in the equipment whether such equipment be of his own manufacturer or those of his sub-contractors whether arising from faulty design, materials, workmanship or negligence in any manner on the part of the contractor if so, required by him site (contractor's own expenses). The contractor shall bear the cost of repairs carried out on his behalf by the purchaser at site. In such case, the contractor shall be informed in advance of the works proposed to be carried out by purchaser.
- iii) If it becomes necessary for the contractor to replace or renew any defective portion of the equipment under the clause aforesaid then the provision of the said clause shall also apply to the portion of the equipment so replaced until the expiration of six months from the date of such replacement or until the end of the above mentioned period of twelve months whichever is later, such extension shall not apply in case of defects of a minor nature.
 - iv) The decision of the Sr. DEE(TRD)/R, Division of South East Central Railway being final in the matter, if any defects be not remedied within a reasonable time during the aforesaid period the purchaser may proceed to do the work as per GCC 2022 clause.
 - v) The repaired or renewed parts shall be delivered and erected at site free of charges to the purchaser.
39. **Price variation clause (PVC)** shall be applicable only in tender having advertised value above Rs.2 Crores according to clause No.46A.1 of Indian Railways Standard General Conditions of Contract, April 2022.and ACS no 1. {Authority: Railway Board's letter no. 2022/CE-I/CT/GCC-2022/Policy Dated 14.07.2022}
40. **LEGAL CHARGES:** - A fee of Rs 100/- (or as per prevailing rules of the Railway at the time of execution of contract) per legal document like partnership deed, Power Attorney executed before or after execution of contract, Bank Guarantee etc., will be recovered from Contractor for obtaining legal advice of the Law officer.
41. **Termination of contract-effect of non performance by the contractor within the Validity:-**In case contractor fails to complete the work by agreed date of completion and also fails to apply for further extension of period of completion as valid and reasonable grounds as acceptable to Railways, the contract can be terminated as per Railway Board's letter no 99/CE-I/CT/28(PT), dtd 17.05.2004 even after expiry of completion period.
42. **Conservancy Cess charges** is also applicable in the following rates, if the site of work fall under the Railway settlement as per RB letter No. F(X)I/95/1/1 dtd 07.09.2021.
43. If **contractor Having more than 2 running contract** in the Division, they **have to deploy separate gang for each contract respectively**. Also, Contractor has to have site office and stores and they have to keep all the issued material under their custody. Railway may issue the material to the contractor, after 7 days of supply.
44. **Mandatory updating of Labour data on Railway's shramikkalyan portal by Contractor:-**
- A. Contractor is to abide by the provisions of Payment of Wages act & Minimum Wages act in terms of clause 54 and 55 of Indian Railways General Condition of Contract. In order to ensure the same, an application has been developed and hosted on website 'www.shramikkalyan.indianrailways.gov.in'. Contractor shall register his firm/company etc. and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The Registration/ updation of Portal shall be done as under:-
- (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 on 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 LOAs issued in his favour. The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LOA) / Contract Agreements on shramikkalyan portal within 15 days of issue of any LOA for approval of

concerned engineer. Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.

(c) 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.

(d) 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.

B. 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. " {Authority :Railway Board's letter no. 2018/CE-I/CT/4 Dated 17.10.2018}.

45. **Mode of payment through Letter of Credit (LC) in works tender:** - {Authority :Railway Board's letter no. 2018/CE-I/CT/9 Dated 04.06.2018}.

- (i) For all the tenders having advertised cost of Rs 10 lakh or above, the contractor shall have the option to take payment from Railways through a letter of credit (LC) arrangement.
- (ii) This option of taking payment through LC arrangement has to be exercised in IREPS (Indian Railway Electronic Procurement System - the e-application on which tenders are called by Railways) by the tenderer at the time of bidding itself, and the tenderer shall affirm having read over and agreed to the terms and conditions of the LC option.
- (iii) The option so exercised, shall be an integral part of the bidder's offer.
- (iv) The above option of taking payment through LC arrangement, once exercised by tenderer at the time of bidding, shall be final and no change shall be permitted, thereafter, during execution of contract.

In case tenderer opts for payment through LC, following shall be the procedure to deal release of payment through LC:

- (a) The LC shall be a sight LC.
- (b) The contractor shall select his Advising/Negotiating bank for LC. The incidental cost towards issue of LC and its operation thereof shall be borne by the contractor.
- (c) SBI, New Delhi, Main Branch will be the nodal branch for issue of LCs based on online requests received from Railway Accounts Units for tenders opened in financial year 2018-19. SBI branches where the respective Railway Accounts Office has its Account (local SBI branch) will be the issuance/reimbursing branch for LC issued under this arrangement. The Bank shall remain same for this tender till completion of contract. The incidental cost @ 0.15% per annum of LC value, towards issue of LC and operation thereof shall be borne by the contractor and shall be recovered from his bills.
- (d) The LC shall be opened initially for duration of 180 to 365 days in consultation with contractor. The LC shall be extended time to time as per the progress of the contract, on the request of the contractor. The value of LC to be opened initially as well as extended thereafter shall be finalized by the engineer in consultation with the contractor on the basis of expected progress of work.
- (e) The LC terms and conditions shall inter-alia indemnify and save harmless the Railway from and against all losses, claims and demands of every nature and description brought or recovered against the Railways by reason of any act or omission of the contractor, his agents or employees, in relation to the Letter of Credit (LC). All sums payable/borne by Railways on this account shall be considered as reasonable compensation and paid by contractor.

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

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 upto..... (Copy enclosed) and hence exempted from submission of Bid Security.

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

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

Signature of Witnesses: _____

(1) _____

Signature of Tenderer(s)

(2) _____

Date _____

Address of the Tenderer(s)

TENDER FORM (Second Sheet)

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

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

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

3. The Tenderer(s) shall quote his / their rates as a percentage above or below the _____ Standard 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 fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract;
- (ii) the Bid Security mentioned in sub para(a) above submitted as Bank guarantee bond, will be encashed as part security for the due and faithful fulfillment of the contract in terms of Clause 16 of the Standard General Conditions of Contract.

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

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

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

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

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

10. Eligibility Criteria:

10.1 Technical Eligibility Criteria:

(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.

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

- (i) Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or
- (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or

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

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

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

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

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

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

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

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

Note for Item 10.1:

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

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

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

V= Advertised value of the tender in crores of Rupees

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

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

the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.

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

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

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

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

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

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

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

In case of substantially completed work, the total gross amount already paid including the PVC amount (if paid), as mentioned in the certificate, shall be considered as the cost of substantially completed work.
- 5. If a bidder has successfully completed a work as subcontractor and the work experience certificate has been issued for such work to the subcontractor by a Govt. Organization or public listed company as defined in Note for Item 10.1 Para 10 of the Tender Form (Second Sheet), the same shall be considered for the purpose of fulfillment of credentials.*
- 6. In case a work is considered similar in nature for fulfillment of technical credentials, the overall cost including the PVC amount (if paid) of that completed work or substantially completed work, shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.*
- 7. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in*

- previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of $0.3 \times 0.2 \times \text{value of the work done in the previous entity}$. 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 upto two years.
- (vii)(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 upto 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 upto 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.

- (iii) 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.
- (iv) 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.
- (v) A tender from JV shall be considered only where permissible as per the tender conditions.
- (vi) 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 / joint venture (JV) / registered society / registered trust / HUF / LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a

copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association
/Board resolution, failing which tender shall be summarily rejected.

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

Note: A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Appostille 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 upto three members and not less than 10% each in case of JV with more than three members. In case of JV with foreign member(s), the Lead Member has to be an Indian firm/company with a minimum share of 51%.

17.3 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 alongwith 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 alongwith 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 fulfillment of the following criteria:

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

(a) For Works without composite components

The technical eligibility for 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 25% 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 fulfillment of the eligibility criteria laid down in Para 10 of the Tender Form (Second Sheet) above.

19.0 Advances to Contractor –

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

(Signature)(Designation)
Signature of Tenderer(s) _____ Railway Date _____
Date _____

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

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

2. Non Standard Schedule of Rates (SSOR) Items:

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

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

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

Dated _____

Signature of the Tenderer(s)

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

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

I..... (*Name and designation*)**appointed as the attorney/authorized signatory of the tenderer (including its constituents), 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 or incorrect 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 besides banning of business for a period of upto **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 or incorrect 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 also lead to any other action provided in the contract including banning of business for a period of upto **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)

Reference -Para 6.1 of ITT of GCC April 2022

(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 20 crore wherein eligibility criteria includes bid capacity also, the tenderer will be qualified only if its available bid capacity is equal to or more than the total bid value of the present tender. The available bid capacity shall be calculated as under:

Available Bid Capacity = $[A \times N \times 2] - .33 \times N \times B$ Where,

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

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

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

Note:

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

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

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

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

Annexure –VIA

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 anytime.

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 BidSecurity.
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)

**PROFORMA
ENGINEERING ORGANISATION**

1. ENGINEERING ORGANISATION AVAILABLE ON HAND

Sl. No.	Name & Designation of Employee	Qualification	Previous Experience	Working From To
01	02	03	04	05
A				
B				
C				
Z				

2. ENGINEERING ORGANISATION PROPOSED TO BE ENGAGED FOR THIS WORK FROM ABOVE.

Sl. No.	Name & Designation of Employee	Qualification	Previous Experience	Remarks
01	02	03	04	05
A				
B				
C				
Z				

**3. ENGINEERING ORGANISATION PROPOSED TO BE ENGAGED FOR THIS WORK FROM OUTSIDE.
(A SUITABLY WORDED CONSENT LETTER FROM SUCH A PERSON SHOULD BE OBTAINED AND ENCLOSED)**

Sl. No.	Name & Designation of Employee	Qualification	Previous Experience	Remarks
01	02	03	04	05
A				
B				
C				
Z				

Signature of Tenderer

Name of the Tenderer

PROFORMA**PLANT & MACHINERY****1. PLANT & MACHINERY AVAILABLE ON HAND**

Sl. No.	Particulars of machinery, Plant & equipment	No. of units	Kind & make	Capacity	Age and Condition	Approx. cost in Rs. in lakhs	Purchase Bill No. & Date and Registration particulars.
01	02	03	04	05	06	07	08
A							
B							
C							
Z							

2. PLANT & MACHINERY AVAILABLE ON HAND FOR THIS WORK

Sl. No.	Particulars of machinery, Plant & equipment	No. of units	Kind & make	Capacity	Age and Condition	Approx. cost in Rs. in lakhs	Purchase Bill No. & Date and Registration particulars.
01	02	03	04	05	06	07	08
A							
B							
C							
Z							

3. PLANT & MACHINERY PROPOSED TO BE INDUCTED FROM OUTSIDE

Sl. No.	Particulars of machinery, Plant & equipment	No. of units	Kind & make	Capacity	Age and Condition	Approx. cost in Rs. in lakhs	If to be purchased give likely date of receipt and supplier's Name.
01	02	03	04	05	06	07	08
A							
B							
C							
Z							

Signature of Tenderer**Name of the Tenderer**

PROFORMA

LIST OF WORKS ON HAND WITH THE TENDERER

Sl. No.	Name of work	Agreement No. and date	Designation and address of agreement signing authority	Agreement value in lakhs	Bill amount paid so far in lakhs	Due date of completion	Number of extensions taken
01	02	03	04	05	06	07	08
Railway works							
A							
B							
C							
Z							

State Govt. works							
A							
B							
C							
Z							

Public Sector Undertaking works							
A							
B							
C							
Z							

Signature of Tenderer

Name of the Tenderer

Experience Certificate

(To be issued only in respect of contracts for completed works)

1.	Agreement No. and Date	
2.	Name of work	
3.	Name of Agency/Contractor	
4.	Original Agreement value (Both in Figures & Words)	
5.	Revised Agreement value, If any (Both in Figures & Words)	
6.	Original date of completion (As per Agreement)	
7.	Actual date of completion	
8.	Total payment made to the contractor against this agreement	
9.	Whether final bill passed? (Yes/No)	
10.	If final bill is not passed, whether final measurements have been recorded? (Yes/No)	
11.	If final measurement is recorded, please indicate status of variation	
	(a) Whether variation is positive (in excess of original agreement value) or negative?	
	(b) Whether variation is sanctioned? (Yes/No)	

Certificate No.....

Date.....

(Issuing Authority)

Signature with date:

Name:

Designation:

Address:

Official Seal:

BANK DETAILS

To,
The Sr. Divl. Finance Manager,
S.E.C. Railway, Raipur

Sub: Bank Details

I declare M/s
..... that all
payment made in this contract if awarded, through ECS/EFT to my Bank Account
details given below.

- 1) Bank Account No: _____
- 2) Bank Name : _____
- 3) Branch Name : _____
- 4) Address: _____
- 5) Branch Code: _____
- 6) PAN No. _____
- 7) Certificate Issued by the Bankers regarding correctness of above details.

Tenderer

**INDEMNITY BOND
(SAMPLE ONLY)**

We, M/s. _____ hereby undertake that we hold at _____ (fill in the name of location) for and on behalf of the President of India acting in the premises through the Sr.DEE/TRD, SECR, Raipur (herein after referred to as the "Purchaser" and as his property in trust for him all materials works for which on account payments have been made to us against the contract for _____ vide letter of acceptance of Tender No. _____

Dated: _____ until such time the materials/works are duly installed/and communicated or otherwise handed over to him.

We shall be entirely responsible for the safe custody and protection of the said materials against all risk till they are duly delivered as installed/and commissioned to the purchaser or as he may direct otherwise and shall indemnify the purchaser against any loss, damage or deterioration whatsoever in respect of the said materials while in our possession. The said materials/works shall at all-time be open inspection by Officer authorized by the Sr.DEE/TRD, SECR, Raipur.

Should any loss, damage or deterioration of materials/works occur and refund become due, the purchaser shall be entitled to recover from us the full cost without prejudice to any other remedies available to him by deduction from any sum or any such which at any time hereafter become due to us under the said or any other contract.

Dated: _____ day of _____ 20__.

For and on behalf of

M/s. _____ (Contractor)

Signature of witness:

Name of witness in

Block letters _____

Address: _____

“Bank Guarantees (BGs) to be submitted by suppliers / Contractors should be sent directly to the Sr. DEE/TRD/Raipur, New DRM Complex, ‘A’ Block, Ground floor, Near waltaire gate, P.O - WRS colony, Raipur (C.G.) Pin No.492008 by the issuing Bank under registered post A.D.”

MODEL FORM OF BANK GUARANTEE BOND

GUARANTEE BOND FOR _____ (Mention purpose for BG)

In consideration of the President of India (hereinafter called “The Government”) having agreed to exempt _____ (hereinafter called “The said Contractor(s)”) from the demand under the terms and conditions of letter of Acceptance/Agreement No _____ dated _____ made between _____ and _____ for _____ (hereinafter Called the “The said letter of Acceptance/Agreement”) of security deposit for the due fulfillment by the said Contractor(s) of the terms and conditions contained in the said letter of Acceptance/Agreement, on production of Bank Guarantee for ` _____ (Rupees _____ only),

1. We, _____ (Indicate the name of the bank) (hereinafter referred to as “The Bank”) at the request of _____ (contractor (s) do hereby undertake to pay to the Government an amount not exceeding ` _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Government by reason of any breach of the said Contractor(s) of any of the terms and conditions contained in the said letter of Acceptance/Agreement.

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

3. We undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any Court of Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Bond shall be valid discharge of our liability for payment there under the contractor(s)/supplier(s) shall have no claim against us for making such payment.

4. We _____ (Indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said letter of Acceptance/Agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said letter of Acceptance/Agreement have been fully paid and its claims satisfied or discharged or till _____

_____ (Office/Department), Ministry of _____ certified that the terms and conditions of the said letter of Acceptance/Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the Guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the

_____ we shall be discharged from all liability under this guarantee thereafter.

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

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

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

Dated theday of20--

For.....
(Indicate the name of Bank)

Certificate of Information regarding Employment/ Partnership etc. of Retired Railway Employees with the tenderer

TABLE- A

Sl. No.	Information Sought	Whether 'Yes' or 'No'
1	Is any retired or employed Railway Engineer/Gazetted Officer/have a relative(s) associated with the firm as detailed vide para 16(a) or (b) or (c) of Standard General Conditions of Contract, 2022.	

Note: If the answer is 'Yes' above, comply the condition as per **Standard General Conditions of Contract, 2022 with all correction slips up-to-date** as per Table- 'B' below.

TABLE- B

Sl. No	Name	Type of Association with the tenderer	Date of Retirement from the service	Post held at the time of retirement	Particular of permission Taken for association with the tenderer	Any other information linked with para 16 (a) or (b) or (c) of GCC, 2022

Note : If 'Yes' or 'No' is not entered in the Table- 'A' above and when the answer is 'Yes', details at Table- 'B' is not entered, the tender offer **shall be rejected.**

Signature of Tenderer (S)

Name of the Tenderer (S)

TENDER SCHDULE					
Name of the Work :- TRD works for "Construction of ROB at R-VZM branch line between MNDH-LAE station at KM 21/3-4(21.230) by NRDA(NRDANVP) in lieu of LC no. RV 17".					
SL No	Description	Unit	Qty	Rate	Amount
Schedule - 'A' (Foundation)					
1	Concrete for foundation & Plinth In other than Hard & Rocky soil	Cum	60	7122	427320
	Total Schedule - 'A'				427320
Schedule - 'B' (Ferrous item)					
1	Supply of Galvanised traction Mast, TTC, Portal, Special type portal (Rolled or Fabricated), Fabricated Steel, SPS & Drop Arm etc.	MT	8.1	133403	1080564.3
2	Erection of Galvanised traction Mast, TTC, Portal (Rolled or Fabricated), Fabricated Steel, SPS & Drop Arm etc.	MT	8.1	7958	64459.8
3	100% extra for Erection of Galvanised traction Mast, TTC, Portal (Rolled or Fabricated), Fabricated Steel, SPS & Drop Arm etc. under PB working	MT	8.1	7958	64459.8
4	50% extra for Erection of Galvanised traction Mast, TTC, Portal, (Rolled or Fabricated), Fabricated Steel, SPS & Drop Arm etc. under night PB working	MT	8.1	3979	32229.9
5	Supply of Single bracket assembly for conventional OHE.	Nos.	15	20762	311430
6	Fabrication & Erection of Single bracket assembly for conventional OHE	Nos.	15	982	14730
7	100% extra for Fabrication & Erection of Single bracket assembly for conventional OHE under PB working	Nos.	15	982	14730
8	50% extra for Fabrication & Erection of Single bracket assembly for conventional OHE under night PB working	Nos.	15	491	7365
9	Supply of assorted component for conventional OHE	Km	0.7	64598	45218.6
10	Erection of assorted component for conventional OHE	KM	0.7	41063	28744.1
11	100% extra for Erection of over head equipment (Conventional) under PB working	KM	0.7	41063	28744.1
12	50% extra for Erection of over head equipment (Conventional) under night PB working	KM	0.7	20532	14372.4
13	Supply of Guy Rod assembly Including Mast Anchor/Guy Rod fittings.	set	4	10346	41384
14	Erection Guy Rod assembly Including Mast Anchor/Guy Rod fittings	set	4	1161	4644
15	100% extra for Erection Guy Rod assembly Including Mast Anchor/Guy Rod fittings under PB working	set	4	1161	4644
16	50% extra for Erection Guy Rod assembly Including Mast Anchor/Guy Rod fittings under night PB working	set	4	580.5	2322
17	Supply of Regulating Equipment 3 pulley type with Counter Weight assembly & guide tube for conventional type OHE	set	4	103870	415480
18	Erection of Regulating Equipment 3 pulley type with Counter Weight assembly & guide tube for conventional type OHE	set	4	3428	13712

19	100% extra for Erection of Regulating Equipment 3 pulley type with Counter Weight assembly & guide tube for conventional type OHE under PB working	set	4	3428	13712
20	50% extra for Erection of Regulating Equipment 3 pulley type with Counter Weight assembly & guide tube for conventional type OHE under night PB working	set	4	1714	6856
21	Supply of Termination of single conductor of OHE (Component).	Nos.	1	9273	9273
22	Erection of Termination of single conductor of OHE with Component	Nos.	1	864	864
23	100% extra for Erection of Termination of single conductor of OHE with Component under PB working	Nos.	1	864	864
24	50% extra for Erection of Termination of single conductor of OHE with Component under night PB working	Nos.	1	432	432
25	Supply of Termination of Double conductor of OHE(Component)	Nos.	4	10431	41724
26	Erection of Termination of Double conductor of OHE with Component	Nos.	4	972	3888
27	100% extra for Erection of Termination of Double conductor of OHE with Component under PB working	Nos.	4	972	3888
28	50% extra for Erection of Termination of Double conductor of OHE with Component under night PB working	Nos.	4	486	1944
29	Supply of Component of Anticreep of cadmium copper wire	set	1	12152	12152
30	Erection of cadmium copper wire Anticreep with Component	set	1	4429	4429
31	100% extra for Erection of cadmium copper wire Anticreep with Component under PB working	set	1	4429	4429
32	50% extra for Erection of cadmium copper wire Anticreep with Component under night PB working	set	1	2214.5	2214.5
33	Supply of Component of Solid core cut-in insulator.	set	4	1817	7268
34	Erection of Component of Solid core cut-in insulator.	set	4	1046	4184
35	Extra 100% for Erection of Solid core cut-in insulator with Component complete Under Power Block Working	set	4	1046	4184
36	Extra 50% for Erection of Solid core cut-in insulator with Component complete Under night Power Block Working	set	4	523	2092
37	Supply of Structure bond (including GI Bolt with Nut, Check-nut, Plain washers and spring washer)	Nos.	20	780	15600
38	Erection of Structure bond	Nos.	20	144	2880
39	Supply of Longitudinal Bond (including GI Bolt with Nut, Check-nut, Plain washers and spring washer)	Nos.	40	534	21360
40	Erection Longitudinal Bond (C bond for cross Over & Glued joint)	Nos.	40	114	4560
41	Supply of Transverse/ Special Bond /Z-Bond (including GI Bolt with Nut, Check-nut, Plain washers and spring washer)	Nos.	20	1326	26520
42	Erection of Transverse/ Special Bond	Nos.	20	333	6660
43	Supply of Number Plate Retro Reflective type (Mast/Structure)	Nos.	12	710	8520
44	Erection of Number Plate Retro Reflective type (Mast/Structure)	Nos.	12	107	1284
	Total Schedule - 'B'				2401015.5

	Schedule - 'C' (Insulators)				
1	Supply of stay arm porcelain Insulator (CD-1050 mm)	Nos.	15	5940	89100
2	Supply of bracket porcelain Insulator (CD-1050 mm)	Nos.	15	5815	87225
3	Supply of 9 T porcelain Insulator (CD-1050 mm)	Nos.	4	6746	26984
	Total of Schedule 'C'				203309
	Schedule - 'D' (Non Ferrous & Misc)				
1	Supply of Large Span wire (130sqmm)	M	50	1082	54100
2	Erection of Large Span wire (130sqmm)	M	50	61	3050
3	100% Extra for erection of Large Span wire (130sqmm) complete Under Power Block Working	M	50	61	3050
4	50% Extra for erection of Large Span wire (130sqmm) complete Under night Power Block Working	M	50	30.5	1525
5	Supply of Dropper wire (5mm)	M	1000	188	188000
6	Supply of Dropper wire (7mm)	M	23	297	6831
7	Supply of Annealed copper Small jumper wire (50 sqmm 19/1.8 mm)	M	20	479	9580
8	Supply of Components of Copper jumper (C Jumper & Anti Theft)	set	10	3276	32760
9	Erection of Copper jumper (C Jumper & Anti Theft) with Components	set	10	169	1690
10	100% extra for Erection of Copper jumper (C Jumper & Anti Theft) with Components under PB working	set	10	169	1690
11	50% extra for Erection of Copper jumper (C Jumper & Anti Theft) with Components under night PB working	set	10	84.5	845
12	Supply of Copper Jumper wire 160 sq.mm	M	16	1713	27408
13	Erection of of Copper Jumper wire 160 sq.mm	M	16	50	800
14	100% extra for Erection of of Copper Jumper wire 160 sq.mm under PB	M	16	50	800
15	50% extra for Erection of of Copper Jumper wire 160 sq.mm under night PB	M	16	25	400
16	Supply of Component of 160 sqmm large Jumper wire(Cu)	Nos	4	6231	24924
17	Erection of 160 sqmm large Jumper wire(Cu) with Component	Nos	4	160	640
18	100% extra for Erection of 160 sqmm large Jumper wire(Cu) with Component under PB working	Nos	4	160	640
19	50% extra for Erection of 160 sqmm large Jumper wire(Cu) with Component under night PB working	Nos	4	80	320
20	Supply of 18 mm dia solid Copper Bus bar as per RDSO Specification no. RE/30/OHE/5 (11/60) & IS: 613/1984 or latest	Mtr	30	1752	52560
21	Erection of 18 mm dia solid Copper Bus bar as per RDSO Specification no. RE/30/OHE/5 (11/60) & IS: 613/1984 or latest	Mtr	30	135	4050
22	100% extra for Erection of 18 mm dia solid Copper Bus bar as per RDSO Specification no. RE/30/OHE/5 (11/60) & IS: 613/1984 or latest under PB	Mtr	30	135	4050
23	50% extra for Erection of 18 mm dia solid Copper Bus bar as per RDSO Specification no. RE/30/OHE/5 (11/60) & IS: 613/1984 or latest under night PB	Mtr	30	67.5	2025
24	Transfer of Equipment from one Mast/Support to another	Nos.	15	3405	51075

25	100% extra for Transfer of Equipment from one Mast/Support to another under PB working	Nos.	15	3405	51075
26	50% extra for Transfer of Equipment from one Mast/Support to another under night PB working	Nos.	15	1702.5	25537.5
27	Supply of Splicing & Extension of OHE	Nos.	1	4358	4358
28	Erection of Splicing & Extension of OHE	Nos.	1	6296	6296
29	100% extra for Erection of Splicing & Extension of OHE under PB working	Nos.	1	6296	6296
30	50% extra for Erection of Splicing & Extension of OHE under night PB working	Nos.	1	3148	3148
31	Supply of accessories (one set =two nos fasteners i.e. catenary ending clamp ,anchor double strap, contact wire ending clamp etc. on both end) for Erection of contact wire in lieu of catenary wire under OLS (FOB/ROB)	Set	2	9820	19640
32	Erection of contact wire in lieu of catenary wire under OLS (FOB/ROB)	Set	2	1518	3036
33	100% extra for Erection of contact wire in lieu of catenary wire under OLS (FOB/ROB) under PB	Set	2	1518	3036
34	50% extra for Erection of contact wire in lieu of catenary wire under OLS (FOB/ROB) under night PB	Set	2	759	1518
35	Re-dropping of spans including making profiling and adjustment of height & adjustment of encumbrance including removal of kink.	span	30	1713	51390
36	100% extra for Re-dropping of spans including making profiling and adjustment of height & adjustment of encumbrance including removal of kink under PB	span	30	1713	51390
37	50% extra for Re-dropping of spans including making profiling and adjustment of height & adjustment of encumbrance including removal of kink under night PB	span	30	856.5	25695
38	Slewing & Re-slewing of OHE	span	6	8727	52362
39	100% extra for Slewing & Re-slewing of OHE under PB	span	6	8727	52362
40	50% extra for Slewing & Re-slewing of OHE under night PB	span	6	4363.5	26181
41	Supply & Erection of Protective screen at FOB/ROB as per RDSO ETI/C/0068 or latest with sps for FOB/ROB.	Nos.	6	32205	193230
42	Drilling of holes on rails	Nos.	10	82	820
43	Disconnection/Reconnection of missing/opened/ existing traction bond.	Nos.	10	69	690
44	ATD Locking and Unlocking	Nos.	4	1325	5300
45	Adjustment of existing OHE & Tower wagon checking.	SPAN	15	795	11925
46	100% extra for Adjustment of existing OHE & Tower wagon checking under PB working	SPAN	15	795	11925
47	50% extra for Adjustment of existing OHE & Tower wagon checking under night PB working	SPAN	15	397.5	5962.5
48	Supply of Anti bird disc for prevention of bird fault as per maintenance instruction No. TI/MI/0059-Rev.2 or latest	Nos.	30	1038	31140
49	Erection of Anti bird disc for prevention of bird fault as per maintenance instruction No. TI/MI/0059-Rev.2 or latest	Nos.	30	129	3870

50	100% extra for Erec of Anti bird disc for prevention of bird fault as per maintenance instruction No. TI/MI/0059-Rev.2 or latest under PB	Nos.	30	129	3870
51	50% extra for Erection of Anti bird disc for prevention of bird fault as per maintenance instruction No. TI/MI/0059-Rev.2 or latest under night PB	Nos.	30	64.5	1935
52	Trimming of tree branches to maintain a minimum clearance of 05 to 06 metres from OHE (01 Big branch consisting of 5 small branch)	Nos	200	82	16400
53	100% extra for Trimming of tree branches to maintain a minimum clearance of 05 to 06 metres from OHE (01 Big branch consisting of 5 small branch) under PB working	Nos	10	82	820
54	50% extra for Trimming of tree branches to maintain a minimum clearance of 05 to 06 metres from OHE (01 Big branch consisting of 5 small branch) under night PB working	Nos	10	41	410
55	Dismantling of OHE	TKM	0.7	26381	18466.7
56	100% extra for Dismantling of OHE under PB working	TKM	0.7	26381	18466.7
57	50% extra for Dismantling of OHE under night PB working	TKM	0.7	13190.5	9233.35
58	Dismantling of Mast/Structure upright	Nos.	12	4010	48120
59	100% extra for Dismantling of Mast/Structure upright under PB working	Nos.	12	4010	48120
60	50% extra for Dismantling of Mast/Structure upright under night PB working	Nos.	12	2005	24060
61	Dismantling of Portal/TTC boom assembly	Nos.	1	6901	6901
62	Dismantling of Portal/TTC boom assembly under PB	Nos.	1	6901	6901
63	Dismantling of Portal/TTC boom assembly under night PB	Nos.	1	3450.5	3450.5
64	Dismantling of Portal Boom (end Piece complete set) by Road Crane	Nos.	1	16107	16107
65	Dismantling of Portal Boom (end Piece complete set) by Road Crane under PB	Nos.	1	16107	16107
66	Dismantling of Portal Boom (end Piece complete set) by Road Crane under night PB	Nos.	1	8053.5	8053.5
67	Dismantling of Cantilever	Nos.	15	877	13155
68	100% extra for Dismantling of Cantilever under PB working	Nos.	15	877	13155
69	50% extra for Dismantling of Cantilever under night PB working	Nos.	15	438.5	6577.5
70	Dismantling of Guy rod	Nos.	4	1023	4092
71	100% extra for Dismantling of Guy rod under PB working	Nos.	4	1023	4092
72	50% extra for Dismantling of Guy rod under night PB working	Nos.	4	511.5	2046
73	Dismantling of Anticreep	set	1	4915	4915
74	100% extra for Dismantling of Anticreep under PB	set	1	4915	4915
75	50% extra for Dismantling of Anticreep under night PB	set	1	2457.5	2457.5
76	Dismantling of Regulating Equipment assembly with counter & guide tube	Nos.	4	4759	19036
77	100% extra for Dismantling of Regulating Equipment assembly with counter & guide tube under PB	Nos.	4	4759	19036

78	50% extra for Dismantling under night PB	Nos.	4	2379.5	9518
79	Dismantling of small steel parts	MT	0.5	4954	2477
80	100% extra for Dismantling of small steel parts under PB working	MT	0.5	4954	2477
81	50% extra for Dismantling of small steel parts under night PB working	MT	0.5	2477	1238.5
82	Dismantling of foundation etc.	CuM	5	2406	12030
83	Dismantling of Structure Bond	Num	5	67	335
84	Supply of Single Earth Electrode.	Nos.	5	3221	16105
85	Erection of Single Earth Electrode.	Nos.	5	2285	11425
	Total of Schedule - 'D'				1517500.25
	Schedule - 'E' (Miscellaneous)				
	Supply and Erection of following Boards:				
1	Preparation & Supply of GAD, Section Diagram, LOP & CSD	TKM	0.7	8687	6080.9
2	Preparation & supply of SED & As erected Drawing	TKM	0.7	8177	5723.9
3	Warning board caution live wire drg. No. ETI/OHE/P-7540, specification no. ETI/OHE/33(2/73) or latest	Nos.	2	1263	2526
4	Caution plate 25kV A.C. as per RDSO drg. No ETI/OHE/P-7532, specification ETI/OHE/33(273)or latest	Nos.	2	937	1874
5	Dead section caution boards (power block working limit) drg. No. ETI/OHE/P-7574, specification No. ETI/OHE/33 (2/73)or latest	Nos.	2	1358	2716
6	Dead section caution boards (Caution unwire turnout) drg. No. ETI/OHE/P-7573, specification No. ETI/OHE/33 (2/73)or latest	Nos.	2	2465	4930
7	Dead section caution boards (Electric engine STOP) drg. No. ETI/OHE/P-7572, specification No. ETI/OHE/33 (2/73)or latest	Nos.	2	2527	5054
8	Danger plate in level crossing gate to electrified section for WB drg. No.ETI/C/0069, specification no ETI/OHE/33(2/73)or latest	Nos	1	2770	2770
9	General Caution notice for staff drg. No. RE/33/496, specification no. ETI/OHE/33or latest	Nos	1	519	519
10	General caution notice for entrence to Rly. Stn. No.RE/33/P-7551, specification No.ET/OHE/33(273)or latest	Nos	1	588	588
11	General caution notice for entrance toRly. Stn. No.RE/33/P-7561,specification No.ET/OHE/33(273)or latest	Nos	1	631	631
12	40 kv 'Hand gloves rubber', made with suitable insulating rubber, for electrical applications, test potential voltage 40000 V and maximum use 36000 V. length 400 mm, palm size 10 inches as per IS 13774:1993.	Pairs	180	4126	742680
13	Supply of CONTACT WIRE PARALLEL CLAMP SMALL COMPLETE WITH FASTENERS RI NO.1041-2 (MODB) CONFIRMING TO RDSO DRG.NO.ETI/OHE/P/1040-2 MOD E. or latest	Nos	100	217	21700
14	Supply of Contact wire parallel clamp (Large) complete with fasteners as per RDSO specification no. ETI/OHE/P/1030-2 REV-D. Accepted Firm's Offer: PARALLEL CLAMP 1030-2 COMPLETE WITH GI FASTENERS BOLTS & NUTS 16X50X38 WITH SPRING WASHER AS PER RDSOS DRG. NO. ETI OHE-P-1030-2 REV D OR LATEST.	Nos	100	241	24100

15	Supply of PARALLEL CLAMP GROOVE PG 1030-3 WITH GI BOLT 16X50X38MM WITH NUT SPRING WASHER AND ALL ACCESSORIES AS PER RDSO DRAWING ETI/OHE/ P/1030-3, REV-A and RDSO specification No. TI/SPC/OHE/Fittings/0130-10/13-Rev-1. or latest.	Nos	100	225	22500
16	Supply of Parallel clamp (150/160) RI.No.1051-3 with Fasteners as per RDSO Drg. No. ETI/OHE/P/1050-3 Rev-A , Complete set or latest	Nos	50	306	15300
17	Supply of BIMETALLIC PARALLEL CLAMP [15/20]RI-1561. as per Drawing No.ETI/OHE/P/1560 [MODD]. SPECIFICATION No. TI/SPC/OHE/Fitting/ 0130 (10/13), Revision 1 as per RDSO ID : 4200023023	Nos	50	578	28900
18	Supply of COPPER SPLIT PIN 2.5X25 MM FOR CATENARY WIRE DROPPER CLIP BOLT AS PER RDSO: SPECIFICATION NO. TI/SPC/OHE/FASTENER/0120 REV-1 (MARCH-2017) OR LATEST	Nos	500	1.57	785
19	Supply of 9 TONNE ADJUSTER WITH EYE ON BOTH SIDE (DOUBLE EYE)(PART NO 5021 CONFORMING TO RDSO DRAWING ETI/OHE/P/5021 REV A ,PART NO.5022 CONFORMING TO RDSO DRAWING ETI/OHE/P/5022 REV B OR LATEST AND PART NO.5023 CONFORMING TO RDSO DRAWING ETI/OHE/P/5023 REV B) WITH SPLIT PIN FOR 25KV OHE.	Nos	400	743	297200
20	Supply of Anchor double strap assembly to part no.5031 and 261 with Fastners as per RDSO drng no:ETI/OHE/P/5030 or latest and RDSO spec: TI/SPC/OHE/ Fitting/0130(10/13), Revision 1. (Part no:261 is pin of dia 20-55 mm (snap head) of Galvanized steel) or latest	Nos	150	265	39750
21	Supply of Contact Wire Dropper Clip (107) (1181) with RDSO Spec No. TI/SPC/OHE/Fittings/0130 with A&C Slip No. 1or Latest . Drawing No. RE/33/P/1181.	Nos	200	72.22	14444
22	S.S Bolts & Nuts with Lock Nuts & Spring Washer, as per spec-ETI/SPC/OHE/Fasteners/0120(2013 and Drg No. ETI/OHE/P/150. Make-CORE approved firms, Size-10x65x30	Nos	500	47	23500
23	Supply of Catenary dropper clip as per RDSO Drg. No. ETI/OHE/P/1192, Rev-C with complete fastener. Drg. No. RDSO Drg. No. ETI/OHE/P/1192,Rev-C. RDSO Spec. No. TI/SPC/OHE/Fitngs/s13s-1s/13-REV-1.	Nos	200	77	15400
24	Visiting Chair Non-revolving and non-tilting chair with armrest, Make-Godrej/Durian, Featherlite, methodex or superior	Nos	20	8798	175960
25	Executive Table with pedestal/side storage unit, Make-Godrej/Durian, Featherlite, methodex or superior. Size- Length-2000 mm, Width-800 mm, Height- 780mm, Side Storage-Length- 1010 mm, Width-500 mm, Height- 780mm.	Nos	2	41295	82590
26	Shelving Cabinets Almirah Large Brand: METHODEX or similar	Nos	2	20000	40000
	Total Schedule - 'E'				1578221.8
G	Total of A+B+C+D+E				6127366.55

EXPLANATORY NOTES OF SCHEDULE

GENERAL NOTE:

- a) Wherever an item of work covers supply of materials and / or erection such item shall include all bolts, nuts, lock nuts and washers etc., to complete the item of work.
- b) Erection of any item of equipment, whether supplied by the purchaser will include testing, commissioning and bringing the equipment into operation to the entire satisfaction of the purchaser.
- c) The basic quantity of components and materials required to make up the unit of work for the selected items are indicated for guidance. In estimating the price for various items of works provision of loss and wastage in transit and during erection including cost of freight handling, taxes, duties, insurance if any etc., shall be quoted for the works mentioned in the schedule.
- d) All OHE components to be supplied by the Contractor must be of approved make by CORE/ ALD or RDSO whether specifically mentioned or not.
- e) All works shall be carried out as per standard code of practice (I.E.Rule) & Specifications and Drawings approved by the Railways.
- f) Material Inspection will be done as per decision of Sr.DEE/TRD/R.
- g) It is understood that the tenderer/ contractor bidding for this tender are having sufficient experience and knowledge about the specifications and drawings required for execution of this work.
- h) However, if any information regarding specifications and drawings, is required, in addition to what has already been included in this tender document, can be purchased by the tenderer/ contractor from the office of Sr.DEE/TRD/Raipur office, or his authorized/ nominated representatives or from the authorized offices of the CORE/ RDSO on payment of prevailing rates/ charges.

SCHEDULE – A FOUNDATION

ITEM No.1(1a): CONCRETE FOR FOUNDATION AND PLINTH IN OTHER THAN HARD & ROCKY SOIL

The prices shall cover excavation, supply and handling of all materials and accessories, temporary arrangement for excavation in other than hard soil. The price also includes dismantling of all connected temporary arrangements, back filling with earth and compacting the same to the required height and width as per drawing to ensure safety of foundation confining the exposed height of foundation block to within 10 cm and removal of soil. The price shall also include the cost of cement.

NOTE:

Nominal reinforcement will be necessary in black cotton soil foundation. Such nominally reinforced foundation in black cotton soil is also included in price. The steel for nominal reinforcement will be arranged by the contractor and the concrete mixture, in such a case shall be as for normal foundation 1:3:6.

Notes for this Item

- 1. The prices under this item shall be same for any shape or size of concrete blocks. In calculating the individual volume of concrete fraction of a cubic meter beyond the third decimal shall be rounded off to the next nearest third decimal.
- 2. The prices under this item shall also apply for foundation of fencing uprights.
- 3. For purpose of computation of volume of concrete under this item, the volume of steel work embedded in the foundation block shall be ignored.
- 4. Cost of all concrete will be paid for only under this item.
- 5. For purpose of computation of volume of concrete under this item, the volume of concrete shall include the volume of sand and bitumen in sand cored foundation. However, for the purpose of computation, of quantity of cement utilized in sand core foundation the volume of the sand bitumen used in core hole should be deducted from the total volume of the foundation.
- 6. The prices under this item shall also cover the cost of diversion of masonry / earth

- drain wherever necessary for casting of foundation. Price shall also include the small quantity of RCC under this item if required.
7. Cement for use in the works should be procured by the contractor from the main producers /their authorized dealers/authorized stock yards which should conform to BIS specifications.
 8. Cement bags preferable in paper bag packing should bear the following information's in legible markings.
 - (i) Manufacturer's name.
 - (ii) Registered trade mark of manufacturer, if any,
 - (iii) Type of Cement.
 - (iv) Weight of each bag in kg or No. of bags / Tonne.
 - (v) Date of manufacturing, generally marked as week of the year / year of manufacture, e.g. 30/93 which means 30th week of 1993.
 9. To ensure quality control, test certificate from the manufacturers should be produced by the contractors which should conform to the relevant specifications (latest may be incorporated).
 10. Railway may also take samples during the course of work and get the cement tested to ascertain their conformity to specifications.
 11. When such sampling is done, it should be as per IS specifications.
 12. Tests on the samples to be carried out in field should be as given below.
 13. Tests on cement to be as per IS 4031. Some of the tests which may be carried out are:
 - i) Compressive Strength.
 - ii) Initial and final setting time
 - iii) Consistency.
 - iv) Soundness.
 14. Cube Tests on samples shall be carried out as per the latest version of BIS specifications. The cost of cube test is covered under Item No.1(1a).
 15. Concrete for foundation shall be normal mix of grade M 10 obtained by mixing of Cement. Coarse aggregate, fine aggregate and water in accordance with proportion given vide Table 3 of IS: 456 – 1978.

For grouting, Muffling, embedding of structure in foundation and for cable Trenches at Switching station, normal mix concrete M 15 obtained by mixing materials in proportion as indicated in Table 3 of IS: 456 –1978 shall be used.

SCHEDULE – B FERROUS ITEM

ITEM No.1(1b): SUPPLY OF GALVANISED TRACTION MAST, TTC, PORTAL, SPECIAL TYPE PORTAL (ROLLED OR FABRICATED), FABRICATED STEEL, SPS & DROP ARM ETC.

The price shall include supply of Galvanized traction Masts, Main Masts of switching station, Mast for LT supply Transformer station, Dwarf Mast as per approved design of the Railway. For the purpose of payment, the weight of individual traction mast and masts of head span shall be determined for each type on the basis of the payable weights shown below for standard type. For special type, the payable weight per meter length will be indicated by the purchaser at the time of approval of design.

PAYABLE WEIGHTS FOR STANDARD MASTS

Sl	Type of Mast	Drawing Ref	Length (m)	Total Weight (kg)
1	6"x 6" x 25.15 BFB	ETI/OHE/G/00144	9.50	352.450
2	6"x 6" x 25.15 BFB	ETI/OHE/G/00144	8.50	315.350
3	8" x 6" 35 lb RSJ	ETI/OHE/G/00144	9.50	494.000
4	K-125	ETI/C/0018-2	9.50	283.110
5	K-150	ETI/C/0018-2	9.50	356.360
6	K-175	ETI/C/0018-2	9.50	407.640
7	K-200	ETI/C/0018-2	9.50	464.590
8	B-100	ETI/C/0071	9.50	256.75

9	B-125	ETI/C/0071	9.50	300.98
10	B-150	ETI/C/0071	9.50	369.69
11	B-175	ETI/C/0071	9.50	422.89
12	B-200	ETI/C/0071	9.50	474.19
13	B-225	ETI/C/0071	9.50	569.97
14	B-250	ETI/C/0071	9.50	655.27
15	S-100	ETI/C/0043	6.20	143.646
16	S-101	ETI/C/0044	6.00	416.958
17	S-1 (8"X6" RSJ)	ETI/C/0030	11.40	592.800
18	S-2 (8"X6" RSJ)	ETI/C/0031	11.40	592.800
19	S-3 (6"X6" DBFB)	ETI/C/0180	11.40	849.762
20	S-4 (8"X6" RSJ)	ETI/C/0036	8.00	416.000
21	S-5 (8"X6" DRSJ)	ETI/C/0042	11.40	1237.880
22	S-6 (8"X6" RSJ)	ETI/C/0181	12.40	644.800
23	S-7 (6"X6" DBFB)	ETI/C/0182	12.40	923.926
24	S-8 (8"X6" DRSJ)	ETI/C/0183	12.40	1347.100
25	S-9 (8"X6" RSJ)	ETI/C/0184	9.40	488.800
26	Dwarf Mast 8"X6" RSJ (Flat 15x50x6 welded on both sides of flange)	ETI/OHE/G/01402	3.85	200.250
27	Dwarf Mast 8"X6" RSJ (Flat 15x50x6 welded on both sides of flange)	ETI/OHE/G/01402	4.35	226.250
28	Dwarf Mast 8"X6" RSJ (Flat 15x50x6 welded on both sides of flange)	ETI/OHE/G/01402	4.75	247.071
29	T-150	ETI/PSI/037	9.30	355.820

The price shall also cover supply of TTC complete comprising TTU, TTB, TTK, Fasteners for each type of TTC as per RDSO design and will be indicated by the purchaser at the time of approval of design and type of TTC. For the purpose of payment, the weight of individual TTC shall be determined for each type on the basis of payable weight per meter length/per set as per RDSO's design. The weight for complete set of TTC shall be determined after supplying TTU, TTB, TTK and fasteners.

The price shall also cover supply of all types of fabricated steel work such as Extension chair, Back angles, Channels, super mast, SPS and MCC for double and multiple bracket assembly & all other small parts of steel work required at site or determined by Railway representative. The weight of all items to be calculated as per RDSO weight or ISI weight including fasteners. The weight of black steel shall be reckoned. No increase due to Galvanizing or painting or reduction due to Drill, Skew cut etc. The price also covers supply of fasteners, Pins, Rivets etc. and whatever require for completion of project.

The price shall also cover supply of all types of DA (fabricated /rolled steel) as per site requirement. The price shall also include the supply of D3 LR Channel 2 Nos, Ref. 4, 5 & 7 two nos each, fasteners 20x50, 20x60, 20x550 of required qty. For portal Back angle of Pt no 8054-1,2,3 is also to be supplied if required. No any materials will be supplied by Railway in this item. Payment shall be made after supplying all the items required for DA including fasteners. All types of Washers, pin shall have to supplied by the contractor.

The price shall cover supply of N/O/R type portal upright, boom, End Pieces, knee brace, Fasteners, clamping angles and other items of portal as per requirement at site. For the purpose of payment, the weights of individual portal shall be determined for each type on the basis of the payable weights per meter length/per set as per RDSO design. Required Fasteners shall also be supplied with this item as per requirement. The weight for complete set of portals shall be determined after supplying all the items required and fasteners. No any materials will be supplied by the Railway.

ITEM No. 2(2b): ERECTION OF GALVANISED TRACTION MAST, TTC, PORTAL, SPECIAL TYPE PORTAL (ROLLED OR FABRICATED), FABRICATED STEEL, SPS & DROP ARM ETC.

The price shall include erection of traction masts, Main masts of switching station and L.T Supply transformer station. The price also includes cost of erection, alignment and setting before grouting of individual mast, main masts of switching and booster transformer station and masts for LT supply transformer station whether rolled or fabricated.

The price shall cover erection, alignment, and setting of TTC Booms complete set including fasteners. Erection may be done by manually/crane (by derrick/Crane).

The price shall cover cost of erection of back angles, channel, extension chair, super mast, MCC's, and all types of other small parts steel works along necessary fasteners as determined by Railway representative.

The price shall cover erection of assembly of DA set, erection of all materials including fasteners required in TTC Boom or portal.

The price shall cover the cost of erection, alignment, setting of individual N/O/R type portals Upright, booms by derrick or Road crane as advised by the Railway in complete set including knee bracing, Fasteners in all respect.

ITEM No. 5(5b): SUPPLY OF SINGLE BRACKET ASSEMBLY FOR CONVENTIONAL OHE.

The price shall cover supply of Tubes (Large BT, Register tubes, T.T etc) for fabrication of cantilever. For calculation, the length of tubes, Average length of BT pipe of 3.20 mtr length to be considered for one cantilever. Similarly, RT length to be 3.00 mtr average and TT length is to be 2.10 mtr averages for one cantilever. However, Railway reserves the right for its Changes.

The price shall also cover supply of required SPS including of all components, but excluding dropper and insulators. The following items are to be supplied-

Item Code	Description
3021-1	Mast fitting for hook insulator (forged) including GI bolts, nuts, lock nuts, and 16 dia washers
2401	Stay & Register Arm Tube 25 mm
2403-2	Tubular stay sleeve with fasteners
2402-1/2402-2	Tubular stay arm adjuster small/Large
3070-1/3070-2	Mast Bracket fitting assembly complete with nuts, lock nuts, 16 mm dia washers, and fasteners
2081	Large bracket tube 40/49 mm
2041	Standard Bracket Tube 30/38 mm
2130	Large catenary suspension brackets complete
1160	Single suspension clamp for catenary with U bolt, nuts, lock plate and packing saddle
2161-2 & 2162-2	Large Register arm hook top & Bottom assembly complete with bolts, nuts and washers
2432	Raised Register Arm Adjuster
2422-2	Register arm eye piece
2361-1	25 mm steady arm drop bracket assembly with Nut and bolts
2390	BFB steady arm assembly
2540	BFB steady arm I section
	Aluminium Rivet (6mm*35mm)
2391-1	BFB Steady Arm hook (forged)
2392	BFB Steady Arm Swivel
2104-1	Tube cap 40 mm
2423-1	Tube cap 25 mm

2461-1	Dropper clip for RT (34mm) with bolts, locknut and spring washer
2277	Dropper clip for Large BT (49mm) with bolts, locknut and spring washer
2550	Anti-wind clamp assembly with fasteners
1220	Contact wire swivel clip with pin
1371-3	Modified RRA Clamp with fasteners
2471-1	Dropper clip for RRT (25mm) with bolts, locknut and spring washer
	Copper Rivet (6mm*45mm)
	Copper Rivet (6mm*55mm)
3076-1,2,3 & 4	Backing angle as required on site

The price shall also include supply of all fasteners GI / SS for single, double & multiple brackets assemblies as per site requirement with all type of rivets and pins etc. Any other items required for bracket assembly are to be supplied by the contractor irrespective of whether it is mentioned or not, excluding **MCC, MCC fixing angles 3122, 3123, 3124 and adopter**. Railway will not supply any parts for this item all fasteners including Rivets for S/C, D/C, and T/C, these shall be supplied by contractor.

ITEM No. 6(6b): FABRICATION & ERECTION OF SINGLE BRACKET ASSEMBLY FOR CONVENTIONAL OHE

The price shall cover fabrication and erection of all the components required for Single bracket assembly with SPS including insulator (stay and bracket) with fasteners. The Erection cost of MCC and MCC fixing angles shall be paid against **item no. 2(2b)**. The price also covers final adjustment of cantilever after holding of OHE.

ITEM No. 9(9b): SUPPLY OF ASSORTED COMPONENTS FOR CONVENTIONAL OHE

Supply of Assorted Components required per kilometre length of conventional OHE. The price shall include supply of OHE components & components of jumpers excluding the jumper wire.

The following components are to be supplied in this item whether required at site or not.

1040-2 - Contact wire parallel clamp- 36 nos. per KM with GI nuts & bolts

1180 - Contact wire dropper clip with pin-160 nos. per KM.

1192 - Catenary wire dropper clip completes with bolts and nuts & pins- 160 nos. per KM.

Catenary splice - 4 Nos. per KM.

Contact splice - 2 Nos. per KM.

1031 – PG clamps - 24 Nos. per KM complete with nuts and bolts.

The above items are mandatory to supply whether it is required or not.

Any materials required for erection of OHE shall be supplied by the contractor irrespective of whether covered in the above list or not.

Note: The price shall also include supply of any components required for erection of OHE whether mentioned or not with requisite bolts, nuts, washers and fasteners of such design as approved by the Railway. The item should be got inspected by either RITES or RDSO / Railway representative deputed by Sr.DEE/TRD/R.

ITEM No. 10(10b): ERECTION OF ASSORTED COMPONENTS FOR CONVENTIONAL OHE

The price shall cover the cost of erection of contact wire, catenary wire, dropper wires, all types of jumpers and associated components with fasteners as per approved design & its required adjustment. The price shall cover erection of materials” i.e. contact wire, catenary wire, dropper wire 5mm & 7mm including its fabrication and other associated components of OHE with suitable fasteners as approved by the Railway.

ITEM No. 13(13b): SUPPLY OF GUY ROD ASSEMBLY INCLUDING MAST ANCHOR/GUY ROD FITTINGS

The price shall cover supply of GI Guy rod (5004/5005/5006-1) of various lengths as required at site complete with Guy rod with mast/ guy rod fittings, Double straps, Stirrup, DMA triangle, Anchor U bolts/ V bolts and parts grouted in anchor Block. It shall not

include dwarf masts but includes SPS on dwarf masts and its fasteners, mast Anchor / Guy Rod attachment and fittings with appropriate fasteners. The supply will comprise as per the type of guy rod:

Short Guy Rod Ø 25 mm RI no. 5006-1 (5.35 mtr)	
Item Code	Description
3241 & 3242 Or 3232 & 3231	Mast Anchor/Guy Rod fitting with G.I. Bolt, Nut & Pin
5222	Guy rod double strap assembly (style I & II) with fasteners
5002	Guy rod stirrup
5003-3	Anchor Bolt (0.85 mtr)
5000	DMA Triangle

Guy Rod Ø 25 mm RI no. 5004(9.30mtr)/5005(9.70mtr)	
Item Code	Description
3241 & 3242 Or 3232 & 3231	Mast Anchor/Guy Rod fitting with G.I. Bolt, Nut & Pin
5222	Guy rod double strap assembly (style I & II) with fasteners
5002	Guy rod stirrup
5007-1	Anchor V Bolt
5008 or 5001	B.C. Anchor loop or Anchor Bolt complete with nuts, lock nuts, and split pins

This item covers Guy Rod with all the components required for erection of GUY rod assembly including nut, washer and split pin fasteners whether it is mentioned or not. Items to be supplied for erection of guy rod will be according to the size of guy rod. Railway will not supply any materials in this item.

ITEM No. 14(14b): ERECTION OF GUY ROD ASSEMBLY INCLUDING MAST ANCHOR/GUY ROD FITTINGS

The price shall cover erection of guy rod assembly of various lengths, mast anchor/guy rod attachment with all fittings and components including fasteners as per approved drawings and specifications.

Note: Supply and erection of guy rod assembly including mast anchor/guy rod attachment at anti creep Anchor Location will also be paid under this item.

ITEM No. 17(17b): SUPPLY OF REGULATING EQUIPMENT 3 PULLEY TYPE WITH COUNTER WEIGHT ASSEMBLY & GUIDE TUBE FOR CONVENTIONAL TYPE OHE.

The price shall cover supply of 3 pulley type regulating equipment complete with all accessories as per latest RDSO approved design including S.S. Rope of required length.

The price shall also cover supply of counter weight assembly set (5091, 5092, 5093) of 665kg each with counter weight eye Rod.

The price shall also cover supply of End fittings for SS wire Rope, SPS, 9 Ton adjusters with double strap assembly 5030. Single clevis, Anti falling Rod, normal / antitheft guide tube assy. Guide tube clamps, including all fasteners and fittings as per approved design. The price shall not include supply of 9 Ton insulators, which will be paid separately. No materials will be supplied by railways for to complete this work.

ITEM No. 18(18b): ERECTION OF REGULATING EQUIPMENT 3 PULLEY TYPE WITH COUNTER WEIGHT ASSEMBLY & GUIDE TUBE FOR CONVENTIONAL TYPE OHE

The price shall cover erection and adjustment of 3:1 Regulating equipment with counter weight assembly complete with SS wire rope and fittings as per approved drawing. The price shall also include the painting of counter weight and Temperature Markings of "Y" (maximum & Minimum).

ITEM No. 21(21b): SUPPLY OF TERMINATION OF SINGLE CONDUCTOR OF OHE (COMPONENT)

The price shall cover supply of all materials for termination of a single conductor overhead equipment or terminating wire on a traction mast or structure including single clevis, anchor double strap, 9-Ton adjuster (1 nos), Equalizing/ Compensating plate (1 nos), (as required), catenary ending clamp (1 nos), contact wire ending clamp (1 nos), strain clamp for Feeder wire (1 nos) and large span wire ending clamp (2 nos). The work has to be carried out as per the approved drawing and instructions of Rly supervisor at site.

ITEM No. 22(22b): ERECTION OF TERMINATION OF SINGLE CONDUCTOR OF OHE WITH COMPONENT

The price shall cover erection of all materials including 9 Ton solid core porcelain/composite insulator assembly and component and adjustment of termination.

ITEM No. 25(25b): SUPPLY OF TERMINATION OF DOUBLE CONDUCTOR OF OHE (COMPONENT)

The price shall cover supply of all materials necessary for yoked type or any other type of termination of two overhead equipment on a traction mast or structure including 9T adjusters, Double straps, Double eye Distance Rod, Anti falling arrangement, ending clamps for catenary and contact wire, equalizing/compensating plates, fittings for terminating wire, if any. The cost also covers supply of fasteners required for terminating the double conductor as per approved drawings with latest modifications.

ITEM No. 26(26b): ERECTION OF TERMINATION OF DOUBLE CONDUCTOR OF OHE (COMPONENT)

The price shall cover erection of all materials required including 9 Tonne porcelain/composite insulator assembly and necessary adjustment of the termination.

ITEM No. 29(29b): SUPPLY OF COMPONENT OF ANTICREEP OF CADMIUM COPPER WIRE

The price shall include supply of all items for Cd-Copper anti creep wire, 1 nos Double suspension clamps, 2 nos of 1041-2 P.G Clamps, 2 nos Single GI Clevis, 2 nos Catenary end fittings, 2 nos Turn Buckle, 4 nos anchor Double Straps with Fasteners and any other fittings required as per site condition. Railway will not supply any item for this work. Cost of 9T insulator will be paid separately.

ITEM No. 30(30b): ERECTION OF CADMIUM COPPER WIRE ANTICREEP WITH COMPONENTS

The price shall include erection of Copper wire as Anticreep wire, Double suspension clamps, P.G Clamps, SPS and other fittings if any with necessary adjustments for OHE.

ITEM No. 33(33b): SUPPLY OF COMPONENT OF SOLID CORE CUT-IN INSULATOR

The price shall cover supply of all component with fasteners on a flat rate basis such as in head span, Cross span or in-span wire in an overhead equipment Conductor at an Insulated overlap, Anticreep not provided for in other items.

ITEM No. 34(34b): ERECTION OF SOLID CORE CUT-IN INSULATOR WITH COMPONENT

The price shall cover the erection of a 9 Ton porcelain/composite Insulator assembly including all components required for Cut in Insulator assembly including appropriate terminal fittings for the conductor.

ITEM No. 37(37b): SUPPLY OF STRUCTURE BOND (INCLUDING GI BOLT WITH NUT, CHECK-NUT, PLAIN WASHERS AND SPRING WASHER).

The price shall cover supply of all materials i.e. 40x6mm mild steel flat GI fasteners with washer and lock nuts for connecting the bond with traction mast or structure to the nearest non track circuited rails, or earth electrode or level crossing gate barrier., as per standard drawing approved by Railway. The fasteners shall be procured from RDSO approved source.

ITEM No. 38(38b): ERECTION OF STRUCTURE BOND.

The price shall also include provision of heat shrinkable PVC tube for structures bond under track circuited rail. The price shall include shaping, drilling, cutting and erection of all materials including the bond with proper fasteners and painting with two coats of red oxide and two coats of black bitumen. This would also cover connections with earthing terminals of equipment like LT transformer with structures and then to rail as per relevant drawing. Holes on (-ve) rail webs or on the Base of any other equipment to be made by the contractor. In no case gas cutter will be allowed for making holes on rail webs, masts, or MS flat. Chamfering of rail holes to be done positively after drilling of holes in rails, SSE/in charge and contractor should ensure strictly.

ITEM No. 39(39b): SUPPLY OF LONGITUDINAL BOND (INCLUDING GI BOLT WITH NUT, CHECK-NUT, PLAIN WASHERS AND SPRING WASHER)

The price shall cover for supply of all materials including 40x6mm mild steel flats, GI nuts, bolts, washer with lock nut etc. required to provide longitudinal bond connecting two rails at the rail joint, Dummy Glued Joint, Fish plate Joint, Crossing Rail, SEJ as per the approved drawing. The fasteners shall be procured from RDSO approved source.

ITEM No. 40(40b): ERECTION LONGITUDINAL BOND (C BOND FOR CROSS OVER & GLUED JOINT)

The price shall cover erection of longitudinal bonds at the location specified by the site supervisor by making holes on Rail webs by ratchet or drill machine. The price shall also include cutting, shaping and drilling of M.S flat and Rail and also the price shall cover painting of bond with two coats of red oxide and two coats of black bitumen. Chamfering of rail holes to be done positively after drilling of holes in rails, SSE/in charge and contractor should ensure strictly.

ITEM No. 41(41b): SUPPLY OF TRANSVERSE/SPECIAL BOND /Z-BOND (INCLUDING GI BOLT WITH NUT, CHECK-NUT, PLAIN WASHERS AND SPRING WASHER)

The price shall cover supply of all materials including 40x6mm mild steel flats, GI nuts, bolts with lock nut and washer etc., required to provide transverse bonds connecting rails of the same / adjacent tracks at the location to be specified by the Railway representative by making holes on Rail webs. The price shall also cover the supply of all materials required to provide special bonds at a level crossing (for inter rail), foot over / road over bridge/ Platform etc., for which the location will be specified by the Railway authority. The fasteners shall be procured from RDSO approved source.

ITEM No. 42(42b): ERECTION OF TRANSVERSE/SPECIAL BOND

The price shall include erection of transverse/special bond including cutting, shaping and drilling of the bond and Rail, the same shall be painted with two coats of red oxide. The price shall also cover cutting and plastering of platform above cutting portion. For shaping of platform Bond any special item as desire by the railway representative shall be provided by contractor. Chamfering of rail holes to be done positively after drilling of holes in rails, SSE/in charge and contractor should ensure strictly.

ITEM No. 43(43b): SUPPLY OF NUMBER PLATE RETRO REFLECTIVE TYPE (MAST/STRUCTURE)

The price shall cover supply of number plate Retro Reflective type for OHE Mast/structure/ATs etc. as per relevant RDSO's Specification. The price shall include G.I./S.S. fasteners with spring washer, fixture etc.

ITEM No. 44(44b): ERECTION OF NUMBER PLATE RETRO REFLECTIVE TYPE (MAST/STRUCTURE)

The price shall cover erection of number plates Retro Reflective type on OHE masts/ structure with required fastener as per the instruction of site Supervisor.

SCHEDULE – C (Insulators)

ITEM No. 1(1c): SUPPLY OF STAY ARM PORCELAIN INSULATOR (CD-1050MM)

The price shall include supply of porcelain stay arm insulator (CD-1050MM) as per approved design of RDSO with latest modification duly inspected by RDSO/RITES/Railway representative deputed by Sr.DEE (TRD)/Raipur. The price shall also include S.S. Bolt & Nut/lock nut washer and split pin (10X65X30).

ITEM No. 2(2c): SUPPLY OF BRACKET PORCELAIN INSULATOR (CD-1050MM)

The price shall include supply of porcelain Bracket insulator (CD-1050MM) as per approved design of RDSO with latest modification duly inspected by RDSO/RITES/Railway representative deputed by Sr.DEE (TRD)/Raipur. The price shall also include Bracket Insulator S.S. U Bolt & Nut/lock nut.

ITEM No. 3(3c): SUPPLY OF 9 TONNE PORCELAIN INSULATOR (CD-1050MM)

The price shall include supply of porcelain 9 Tonne insulator (CD-1050MM) as per approved design of RDSO with latest modification duly inspected by RDSO/RITES/Railway representative deputed by Sr.DEE (TRD)/Raipur.

SCHEDULE – D Non Ferrous & Misc

ITEM No. 1(1d): SUPPLY OF LARGE SPAN WIRE (130Sqmm)

Supply: The price shall cover supply of large span wire 130 sqmm of 37 strands specified by the purchaser as per design of RDSO/CORE. The price shall also cover the cost for supply of 2(TWO) Nos of LS wire End fittings, for 100 mtr of L.S. Wire. The item should be procured from RDSO/CORE approved supplier duly inspected by RITES/RDSO.

ITEM No. 2(2d): ERECTION LARGE SPAN WIRE (130Sqmm)

The price shall cover erection of large span wire as per the instruction of Railway site Engineer. The wire to be erected along with the component required for Termination.

ITEM No. 5(5d): SUPPLY OF DROPPER WIRE (5mm)

The price shall include supply of 5mm diameter hard drawn copper wire as per approved design. The item should be got inspected by RITES /RDSO/ Railway representative deputed Sr.DEE/TRD/R. The item should be procured from RDSO/CORE approved supplier.

ITEM No. 6(6d): SUPPLY OF DROPPER WIRE (7mm)

The price shall include supply of 7mm diameter hard drawn copper wire as per approved design. The item should be got inspected by RITES /RDSO/ Railway representative deputed Sr.DEE/TRD/R. The item should be procured from RDSO/CORE approved supplier.

ITEM No. 7(7d): SUPPLY OF ANNEALED COPPER SMALL JUMPER WIRE (50 SQMM 19/1.8 MM)

The price shall include supply of small jumper wire of copper as per approved design of RDSO/CORE. The item should be got inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R. The item should be procured from RDSO approved supplier.

ITEM No. 8(8d): SUPPLY OF COMPONENTS OF COPPER JUMPER (C JUMPER & ANTI THEFT)

The price shall cover on a flat rate basis, the supply of component of copper jumpers as per standard design with all components and fittings required for providing a flexible copper jumper connection including parallel clamps, bimetallic strips wherever required, and terminal or tee clamps at either end. No material will be supplied by Railway.

ITEM No. 9(9d): ERECTION OF COPPER JUMPER (C JUMPER & ANTI THEFT) WITH COMPONENTS

The price shall cover the erection of complete jumper assembly including jumper wire. The price shall not however be applicable for jumper connection already included in any

previous items but shall be applicable for any jumper connection in any combination between feeders, L.T. transformers and drop out fuse, lightning arrestors for OHE and isolators and outgoing bus bars of switching stations. Antitheft jumpers as per drawing No. ETI/OHE /G/05107 or latest for connecting out of run OHE with the in-running OHE at insulated / un-insulated overlap location and also at anti creep location, wherever considered will be paid under this item. The supply of all components and fittings including the catenary wire for providing double catenary / contact wire in place of catenary wire under over line structures as per Drg. No. ETI/OHE/SK/446 and ETI/OHE/SK/529 or latest respectively will also be payable under this item, treating the double catenary as jumper irrespective of its length.

ITEM NO. 12(12d): SUPPLY OF COPPER JUMPER WIRE 160SQMM

The price shall include supply of Stranded Annealed Copper Jumper wire 160sqmm as per latest RDSO/CORE specification. The item should be got inspected by RITES/ RDSO/ Railway representative deputed by Sr.DEE/TRD/R. The item should be procured from RDSO approved supplier.

ITEM NO. 13(13d): ERECTION OF COPPER JUMPER WIRE 160 SQMM

The price shall include erection of Copper Jumper 160sqmm as per the instruction of site Supervisor for connection between cross feeder and OHE (on both catenary and contact wire). The jumpers should be tinned as per requirement.

ITEM NO. 16(16d): SUPPLY OF COMPONENT OF 160SQMM LARGE JUMPER WIRE(CU)

The price shall include supply of all essential component for large Jumper wire 160sqmm (Cu) like PG clamp 1050-3 (02 nos.), 1030-3 (06 nos.), Terminal connector 19mm (1009) (01 nos.) to connect Isolators required for its erection as per approved design of RDSO/CORE. The item should be got inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R. The item should be procured from RDSO approved supplier.

ITEM NO. 17(17d): ERECTION OF COMPONENT OF 160SQMM LARGE JUMPER WIRE(CU) WITH COMPONENT

The price shall include erection of component of 160sqmm large Copper Jumper with all PG clamps, connectors etc. as per the instruction of site Supervisor.

ITEM NO. 20(20d): SUPPLY OF 18 MM DIA SOLID COPPER BUS BAR AS PER RDSO SPECIFICATION NO. RE/30/OHE/5 (11/60) & IS: 613/1984 OR LATEST

The Price shall cover the supply of 18 MM DIA Solid Copper Bus Bar AS PER RDSO SPEC. NO RE/30/OHE/5 (11/60) & IS: 613/1984 or latest.

ITEM NO. 21(21d): ERECTION OF 18 MM DIA SOLID COPPER BUS BAR AS PER RDSO SPECIFICATION NO. RE/30/OHE/5 (11/60) & IS: 613/1984 OR LATEST

The price shall cover Erection of solid copper bus bar 18 mm. The price shall cover erection of 18 mm diameter solid copper rod in accordance with RE/30/OHE/5(11/60) & IS: 613/1984 or latest as per instruction of Railway supervisor. The Price shall also cover Bending and shaping during erection.

ITEM No. 24(24d): TRANSFER OF EQUIPMENT FROM ONE MAST/SUPPORT TO ANOTHER

The price shall cover transfer of OHE to a bracket assembly on a new mast or support and consequent adjustment to overhead equipment required such as re-spacing of droppers, attachment etc. The foundation, Mast, steel work and bracket assembly for the new mast or structure will be paid for under appropriate items.

ITEM No. 27(27d): SUPPLY OF SPLICING AND EXTENSION OF OHE

The price shall cover supply of all components, splices, Double straps, equalizing plates/compensating plates, end fittings, 9T adjuster etc. required for splicing and extension work and consequent adjustment of the affected equipment, excluding supply of catenary and contact wire but including PVC sleeves required if any.

ITEM No. 28(28d): ERECTION OF SPLICING AND EXTENSION OF OHE

The price shall cover erection of all components, splices, Double straps, equalizing plates/compensating plates, end fittings, 9T adjuster etc. required for splicing and extension work and consequent adjustment of the affected equipment, excluding supply of catenary and contact wire but including PVC sleeves required if any.

ITEM No. 31(31d): SUPPLY OF ACCESSORIES (ONE SET =TWO NOS FASTENERS i.e. CATENARY ENDING CLAMP, ANCHOR DOUBLE STRAP, CONTACT WIRE ENDING CLAMP ETC. ON BOTH END) FOR ERECTION OF CONTACT WIRE IN LIEU OF CATENARY WIRE UNDER OLS (FOB/ROB)

The price shall cover supply of accessories (one set =two nos fasteners i.e. catenary ending clamp, anchor double strap, contact wire ending clamp, PG Clamp 1041-2 etc. on both end) under OLS (FOB/ROB).

ITEM No. 32(32d): ERECTION OF CONTACT WIRE IN LIEU OF CATENARY WIRE UNDER OLS (FOB/ROB).

The price shall cover Erection of contact wire in lieu of catenary wire under OLS (FOB/ROB) including erection of accessories (one set = two nos. fastener on both side) as per approved design/drawing of RDSO.

ITEM No. 35(35d): RE-DROPPERING OF SPANS INCLUDING MAKING PROFILING AND ADJUSTMENT OF HEIGHT & ADJUSTMENT OF ENCUMBRANCE INCLUDING REMOVAL OF KINK.

The price shall cover the cost of replacement of damaged dropper wires in a slewed/re-slewed span of OHE, this also including marking and profiling of the OHE span. The price also covers adjustment of OHE and removal of kinks. The complete adjustment in OHE height & clearances shall be done and OHE to be made normal/fit.

ITEM No. 38(38d): SLEWING & RE-SLEWING OF OHE.

The price shall cover for temporary/permanent slewing or lowering of exiting OHE to ground for special work at the request of the purchaser and restoration and readjustment of the equipment after completion of special work. The price shall be per span or part there of including anchoring span.

ITEM No. 41(41d): SUPPLY AND ERECTION OF PROTECTIVE SCREEN AT FOB/ROB AS PER RDSO ETI/C/0068 OR LATEST WITH SPS FOR FOB/ROB.

The price shall cover supply of all types of materials and erection of protective Screen on FOB/ROB as per RDSO Drg. No.ETI/C/0068 Mod-E or latest, made of MS angle Size 35x 35x 6, XPM size 2x1.8x1.55, GI Sheet 16 SWG and MS flat as per design and specification. This screen should be painted by red oxide two coats and Rubber aluminium one coat. The price shall also include the required clamps and fasteners needed for erection.

ITEM No.42(42d): DRILLING OF HOLES ON RAILS

The price shall include drilling of holes in rails as per instructions of representative of Railway. Chamfering of holes to be done positively after drilling of holes.

ITEM No. 43(43d): DISCONNECTION/ RECONNECTION OF MISSING/OPENED/ EXISTING TRACTION BOND

The price shall cover disconnection & reconnection of bonds during engineering machine working as well as reconnection of opened bonds in section, yards & platform areas. The price shall cover connection & dressing of opened bond from structure, Platforms, Rail, FOB & Earth pit etc. The price shall also cover drilling of holes on bonds or rails wherever it is required, no extra charge will be paid for it.

ITEM NO 44(44d): ATD LOCKING AND UNLOCKING

The price shall cover, locking and unlocking of 3 pulley type regulating equipment for conventional OHE, with counter-weight assembly. In the case of regulated overhead equipment, the regulating equipment are erected on the terminal masts or structures and

there movement locked by suitable means in middle position with the distance between the pulleys of the regulating equipment corresponding to 35degreeC.

ITEM No. 45(45d): ADJUSTMENT OF EXISTING OHE & TOWER WAGON CHECKING

The price shall cover adjustment and final checking of OHE by tower wagon at each location and each span for smooth running of electric traffic and finally testing of OHE and its commissioning for commercial use. Tower car/Tower Wagon shall be provided by Railways.

ITEM NO. 48(48d) & 49(49d): SUPPLY AND ERECTION OF ANTIBIRD DISC FOR PREVENTION OF BIRD FAULT AS PER MAINTENANCE INSTRUCTION NO. TI/MI/0059-REV.2 OR LATEST.

The price shall cover Supply of anti-bird disc as per RDSO Drawing No. TI/DRG/OHE/ABD/RDSO/00000/19/0(Sh-1 & Sh-2) or latest. The price shall cover for Erection of anti-bird disc on HT side (Live End cap) of 9 Ton insulator, BT insulator, ST insulator of cantilevers under power block. The erection shall be carried out as per RDSO drawing No. TI/DRG/OHE/ABD/RDSO/00000/19/0(Sh-1 & Sh-2) or latest.

Item No. 52(52d): TRIMMING OF TREE BRANCHES TO MAINTAIN A MINIMUM CLEARANCE OF 5 TO 6 METERS FROM OHE (1 BIG BRANCH CONSISTING OF 5 SMALL BRANCH)

Trimming of tree branches shall be carried out in line with Para 10422 of ACTM Vol- 1 and with Para 20320 to 20329 of ACTM Vol-II part-I of Indian Railways with its latest correction slips if any.

The job shall cover trimming of tree branches as identified by foot patrolling staff / during other inspection / checking. No part of the tree shall be nearer than 5 to 6 meters from the nearest live part/conductor. Requirement of power block will be jointly decided by the contractor and the sectional TRD supervisor. Necessary power block will be obtained from authorized TRD representative only for trimming of tree branches. The tree branch shall consist of one large branch with a minimum of five smaller branches.

Unit of this item shall be read as Branches Instead of Numbers. Said unit(numbers) has been adopted due to non-availability of unit branches in IREPS.

ITEM NO. 55(55d), 58(58d), 61(61d), 64(64d), 67(67d), 70(70d), 73(73d), 76(76d), 79(79d), 82(82d), 83(83d): DISMANTLING WORK

The price shall cover dismantling of the existing equipment's as indicated items in all respect and along with its accessories. All the dismantled equipment's/materials shall be handed over to the purchaser's representative at stores depot. The price is inclusive of transporting all the released materials/equipment's.

ITEM NO. 56(56d), 59(59d), 62(62d), 65(65d), 68(68d), 71(71d), 74(74d), 77(77d), 80(80d): EXTRA 100 % FOR DISMANTLING WORK UNDER POWER BLOCK WORKING

The price under this item covers extra charges over and above dismantling rate of items of Schedule for dismantling of item mentioned above with joint equipment already energized or energized equipment which calls for a Power Block (Shut off of Traction Power). The price payable under this item shall be 100% extra over the dismantling rates of the items, provided such work is not called for on account of non-compliance with specification and approved drawings and instructions given by the purchaser from time to time.

ITEM No. 57(57d), 60(60d), 63(63d), 66(66d), 69(69d), 72(72d), 75(75d), 78(78d), 81(81d): 50% EXTRA ON DISMANTLING RATE FOR WORK DURING NIGHT POWER BLOCK

The price under this item covers extra charges over and above the dismantling rate of All item when such dismantling is under taken during night time (Sunset 22:00 hrs to Sunrise 6:00 hrs). The price payable under this item shall be 50% extra over the dismantling rate of the item referred to above. Where the price under these items is applicable the contractor shall finalize the schedule of dismantling of various items to be undertaken during night time jointly with the purchaser's Engineer prior to taking the work in hand.

ITEM No. 84(84d): SUPPLY OF SINGLE EARTH ELECTRODE

The Price shall cover supply of Earth electrode of standard size as per RDSO's specification. Price shall cover supply of an earthing station with a single pipe embedded by driving or otherwise in an earth pit filled with charcoal and salt complete with protective concrete box and lugs suitable for directly connecting two mild steel flats of any size 40mm x 6mm/ 50mm x 6mm/75 x 8mm to earth electrode with all requisite material as per approved Design/drawing from CORE/RDSO with latest modification. Price also covers provision of protective concrete screen as per the above drawing and painting of earth values and testing date etc. as specified.

ITEM No. 85(85d): ERECTION OF SINGLE EARTH ELECTRODE

The price shall cover erection, testing and commissioning of earthing station as per RDSO's drawing and the instruction of Railway's site Engineer. The price shall cover the provision of a protective concrete box with removable cover as shown in the drawing. The price shall include the testing of earth value and painting the particulars on the box.

SCHEDULE – E Miscellaneous**ITEM No. 1(1e): PREPARATION & SUPPLY OF GAD, SECTION DIAGRAM, LOP & CSD**

The price shall cover for the following design and drawing:

The contractor shall design and prepare drawings of overhead equipment. Contractor will survey the site in detailed and will submit following drawings for approval within time prescribed in LOA or decided by Railway:

(i)GAD (ii) LOP (iii) Section Diagram (iv) CSD

After approval of drawing the contractor shall submit Six copies of GAD, Section Diagram, LOP, and CSD in CAD print for execution of the work. After execution of the work contractor shall make correction as per erected equipment and will submit one copy of tracing in original, soft copy (JPEG, PDF), Auto-cad file, 6 copies RTF of LOP and SED as Erected.

Any other designs and drawings of OHE/foundation necessary for the work will also be made by the contractor and required copy of the same is to be submitted to Rly.

The CSD Shall be prepared by considering the Soil testing report from any recognized institute and it is to be done by the contractor at his own cost.

Notes for measurements:

For the purpose of payment against this item, the length of track shall be measured as under:

1) General: - By the difference in the chainage of the length under consideration, as incorporated in the lay out plans.

2) Turn outs: - The track taking off shall be deemed as starting from the toe of the switch of the Turnout.

3) Cross-overs: - The length of track shall be taken as the difference in the chainage of the toes of switches of the two turnouts constituting the cross over.

4) Diamond crossing with or without slip: The two tracks crossing each other shall be measured independently as per note 1 above as though there were no crossing. No extra shall be provided for slip points.

5) Dead Ends and top of loops: The lengths for payment under this item shall up to the chainage of anchor mast of the terminating OHE.

ITEM No. 2(2e): PREPARATION AND SUPPLY OF SED & AS ERECTED DRAWING

The price shall cover for the following design and drawing.

SED & As erected Drawings.

The contractor shall design and prepare SED drawings of overhead equipment (In Principle Drawings) and will submit 01 set Tracing print with 01 paper print for approval within 01 month of LOA date. Soft copies (Auto CAD drawings) of these drawings shall also be submitted.

After approval of In Principle Drawings the contractor shall submit 04 copies of same to this office for record, reference and distribution among concern officials.

After execution of the work contractor shall make correction as per erected equipment and will submit As Erected Drawings first for approval then after approval As Erected drawings in 01 original Tracing drawing, 01 no. RTF/Cloth Tracing sheet (water resistive)/latest drawing preserving techniques and 06 copies (normal paper print) of As Erected drawing, Soft Auto CAD copy along with scanned (jpeg & pdf) of approved signed copy.

Any other designs and drawings of OHE/foundation necessary for the work will also be made by the contractor and required copy of the same is to be submitted to Railway.

The CSD Shall be prepared by considering the Soil testing report from any recognized institute and it is to be done by the contractor at his own cost.

Notes for measurements:

For the purpose of payment against this item, the length of track shall be measured as under:

1) General: - By the difference in the chainage of the length under consideration, as incorporated in the lay out plans.

2) Turn outs: - The track taking off shall be deemed as starting from the toe of the switch of the Turnout.

3)Cross-overs: - The length of track shall be taken as the difference in the chainage of the toes of switches of the two turnouts constituting the cross over.

4) Diamond crossing with or without slip: The two tracks crossing each other shall be measured independently as per note 1 above as though there were no crossing. No extra shall be provided for slip points.

5) Dead Ends and top of loops: The lengths for payment under this item shall up to the chainage of anchor mast of the terminating OHE.

ITEM No. 3(3e): WARNING BOARD CAUTION LIVE WIRE AS PER DRG No. ETI/OHE/P-7540 SPECIFICATION NO.ETI/OHE/33 (2/73) OR LATEST

The price shall cover Supply of warning Board caution Live wire The price shall cover supply of warning board caution live wire as per Drg No. ETI/OHE/P-7540 Specification No. ETI/OHE/33(2/73) or latest along with fasteners for erection as per requirement at site.

If Erection required, the price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 4(4e): CAUTION PLATE 25kV A.C. AS PER RDSO DRG. No ETI/OHE/P-7532, SPECIFICATION ETI/OHE/33 (2/73) OR LATEST

The price shall cover supply of warning board caution live wire as per Drg No. ETI/OHE/P-7532, Specification No. ETI/OHE/33(2/73) along with fasteners for erection as per requirement at site. The price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 5(5e): DEAD SECTION CAUTION BOARDS (POWER BLOCK WORKING LIMIT) DRG. NO. ETI/OHE/P-7574, SPECIFICATION NO. ETI/OHE/33 (2/73) OR LATEST

The price shall cover supply of Dead section caution boards (Power block working limit) drg. No. ETI/OHE/P-7574, specification No. ETI/OHE/33 (2/73) or latest along with fasteners for erection as per requirement at site. If Erection required, the price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 6(6e): DEAD SECTION CAUTION BOARDS (CAUTION UNWIRE TURNOUT) DRG. NO. ETI/OHE/P-7573, SPECIFICATION NO. ETI/OHE/33 (2/73) OR LATEST

The price shall cover supply of caution un wired Turn out Board as per Drg No. ETI/OHE/P-7573 Specification No. ETI/OHE/33(2/73) or latest along with fasteners for erection as per requirement at site.

If Erection required, the price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 7(7e): DEAD SECTION CAUTION BOARDS (ELECTRIC ENGINE STOP) DRG.NO. ETI/OHE/P- 7572 SPECIFICATION NO. ETI/OHE/33 (2/73) OR LATEST

The price shall cover supply of Electric Engine Stop Board as per Drg No. ETI/OHE/P-7572 Specification No. ETI/OHE/33(2/73) or latest along with fasteners for erection as per requirement at site. If Erection required, the price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 8(8e): DANGER PLATE IN LEVEL CROSSING GATE TO ELECTRIFIED SECTION FOR WB DRG. No. ETI/C/0069, SPECIFICATION NO ETI/OHE/33(2/73) OR LATEST

The price shall cover Supply of warning Board caution Live wire The price shall cover supply of warning board caution live wire as per Drg No. ETI/C/0069 Specification No. ETI/OHE/33(2/73) or latest along with fasteners for erection as per requirement at site.

If Erection required, the price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 9(9e): GENERAL CAUTION NOTICE FOR STAFF DRG. No. RE/33/496, SPECIFICATION NO. ETI/OHE/33 OR LATEST

General Caution notice for staff drg. No. RE/33/496, specification no. ETI/OHE/33. The price shall cover supply of general caution notice boards for staff as per Drg No. RE/33/496 Specification No. ETI/OHE/33 along with fasteners for erection as per requirement at site. The price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls / structures etc.

ITEM No. 10(10e): GENERAL CAUTION NOTICE FOR ENTRANCE TO RLY. STN. No. RE/33/P-7551, SPECIFICATION NO. ET/OHE/33(273) OR LATEST

Supply and erection of general caution notice for entrance to Railway Station The price shall cover supply of general caution notice boards for entering into Railway Station as per Drg No. RE/33/P-7551 Specification No. ETI/OHE/33(273) along with fasteners for erection as per requirement at site. The price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls/structures etc.

ITEM No. 11(11e): GENERAL CAUTION NOTICE FOR ENTRANCE TO RLY. STN. No.RE/33/P-7561, SPECIFICATION NO. ET/OHE/33(273) OR LATEST

Supply and erection of general caution notice for entrance to Railway Station The price shall cover supply of general caution notice boards for entering into Railway Station as per Drg No. RE/33/P-7551 Specification No. ETI/OHE/33(273) along with fasteners for erection as per requirement at site. The price shall also include Erection of board as per the instruction of the site supervisor by making necessary holes on walls/structures etc.

ITEM No. 12(12e): SUPPLY OF 40 KV 'HAND GLOVES RUBBER', MADE WITH SUITABLE INSULATING RUBBER, FOR ELECTRICAL APPLICATIONS, TEST POTENTIAL VOLTAGE 40000 V AND MAXIMUM USE 36000 V. LENGTH 400 MM, PALM SIZE 10 INCHES AS PER IS 13774:1993 OR LATEST

The price shall cover Supply of 40 KV 'Hand gloves rubber', made with suitable insulating rubber, for electrical applications, test potential voltage 40000 V and maximum use 36000 V. length 400 mm, palm size 10 inches as per IS 13774:1993 or latest. Test certificate regarding this also to be submitted during supply. Make and model shall be got approved from Sr.DEE/TRD/R before supply.

ITEM No. 13(13e): SUPPLY OF CONTACT WIRE PARALLEL CLAMP SMALL COMPLETE WITH FASTENERS RI NO.1041-2 (MODB) CONFIRMING TO RDSO DRG.NO.ETI/OHE/P/1040-2 MOD E. or latest

The price shall cover supply of contact wire parallel clamp small complete with fasteners RI NO.1041-2 (MOD B) confirming to RDSO DRG.NO.ETI/OHE/P/1040-2 MOD E. or latest.

The material should be procured from RDSO/CORE approved supplier duly inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R.

ITEM No. 14(14e): SUPPLY OF CONTACT WIRE PARALLEL CLAMP (LARGE) COMPLETE WITH FASTENERS AS PER RDSO SPECIFICATION NO. ETI/OHE/P/1030-2 REV-D. ACCEPTED FIRM'S OFFER: PARALLEL CLAMP 1030-2 COMPLETE WITH GI FASTENERS BOLTS & NUTS 16X50X38 WITH SPRING WASHER AS PER RDSOS DRG. NO. ETI OHE-P-1030-2 REV D OR LATEST.

The price shall cover supply of Contact wire parallel clamp (Large) complete with fasteners as per RDSO specification no. ETI/OHE/P/1030-2 REV-D. Accepted Firm's Offer: PARALLEL CLAMP 1030-2 complete with fasteners bolts & nuts 16X50X38 with spring washer as per RDSOs DRG. NO. ETI OHE-P-1030-2 REV D or latest. The material should be procured from RDSO/CORE approved supplier duly inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R.

ITEM NO. 15(15e): SUPPLY OF PARALLEL CLAMP GROOVE PG 1030-3 WITH GI BOLT 16X50X38MM WITH NUT SPRING WASHER AND ALL ACCESSORIES AS PER RDSO DRAWING ETI/OHE/ P/1030-3, REV-A and RDSO SPECIFICATION NO. TI/SPC/OHE/Fittings/0130-10/13-Rev-1. OR LATEST

The price shall include supply of PG clamp Assembly large 1031-3 as per approved design. The item should be got inspected by RITES /RDSO/ Railway representative deputed Sr.DEE/TRD/R. The item should be procured from RDSO/CORE approved supplier.

ITEM No. 16(16e): SUPPLY OF PARALLEL CLAMP (150/160) RI.No.1051-3 WITH FASTENERS AS PER RDSO Drg. No. ETI/OHE/P/1050-3 Rev-A , COMPLETE SET OR LATEST.

The price shall cover supply of Parallel clamp (150/160) RI.No.1051-3 with Fasteners as per RDSO Drg. No. ETI/OHE/P/1050-3 Rev-A , Complete set or latest. The material should be procured from RDSO/CORE approved supplier duly inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R.

ITEM NO. 17(17e): SUPPLY OF BIMETALLIC PARALLEL CLAMP [15/20]RI-1561. As PER DRAWING No. ETI/OHE/P/1560 [MODD]. SPECIFICATION No. TI/SPC/OHE/Fitting/ 0130 (10/13), Revision 1 as per RDSO ID : 4200023023

The price shall include supply of PG clamp Assembly large 1550 or 1560 as per approved design. The item should be got inspected by RITES /RDSO/ Railway representative deputed Sr.DEE/TRD/R. The item should be procured from RDSO/CORE approved supplier.

ITEM No. 18(18e): SUPPLY OF COPPER SPLIT PIN 2.5X25 MM FOR CATENARY WIRE DROPPER CLIP BOLT AS PER RDSO: SPECIFICATION NO. TI/SPC/OHE/FASTENER/0120 REV-1 (MARCH-2017) OR LATEST

The price shall cover supply of copper split pin 2.5x25 mm for catenary wire dropper clip bolt as per RDSO: Specification No. TI/SPC/OHE/FASTENER/0120 REV-1 (MARCH-2017) or latest. The material should be procured from RDSO/CORE approved supplier duly inspected by RITES /RDSO/ Railway representative deputed by Sr.DEE/TRD/R.

ITEM No.19(19e): 9 Tonne Adjuster both side eye type complete set including Pins and Nuts as per RDSO Drawing No. ETI/OHE/P/5020 Rev-B or latest and RDSO Specification ETI/OHE/13 (4/84) or latest

The price shall cover supply of 9 Tonne Adjuster both side eye type complete set including Pins and Nuts as per RDSO Drawing No. ETI/OHE/P/5020 Rev-B or latest and RDSO Specification ETI/OHE/13 (4/84) or latest. The item should be procured from RDSO/CORE approved supplier.

ITEM No.20(20e): Supply of Anchor double strap assembly to part no.5031 and 261 with Fastners as per RDSO drng no:ETI/OHE/P/5030 or latest and RDSO spec: TI/SPC/OHE/ Fitting/0130(10/13), Revision 1. (Part no:261 is pin of dia 20-55 mm (snap head) of Galvanized steel) or latest

The price shall cover supply of Supply of Anchor double strap assembly to part no.5031 and 261 with Fasteners as per RDSO drng no:ETI/OHE/P/5030 or latest and RDSO spec: TI/SPC/OHE/ Fitting/0130(10/13), Revision 1. (Part no:261 is pin of dia 20-55 mm (snap head) of Galvanized steel) or latest. The item should be procured from RDSO/CORE approved supplier.

ITEM No.21(21e): Supply of Contact Wire Dropper Clip (107) (1181) with RDSO Spec No. TI/SPC/OHE/Fittings/0130 with A&C Slip No. 1or Latest. Drawing No. RE/33/P/1181.

The price shall include Supply of Contact Wire Dropper Clip (107) (1181) with RDSO Spec No. TI/SPC/OHE/Fittings/0130 with A&C Slip No. 1or Latest. Drawing No. RE/33/P/1181. The item should be got inspected by RITES /RDSO/Railway representative deputed by Sr.DEE/TRD/R.

ITEM No.22(22e): S.S Bolts & Nuts with Lock Nuts & Spring Washer, as per spec-ETI/SPC/OHE/Fasteners/0120(2013 and Drg No. ETI/OHE/P/150. Make-CORE approved firms, Size-10x65x30

The price shall cover supply of S.S Bolts & Nuts with Lock Nuts & Spring Washer, as per spec-ETI/SPC/OHE/Fasteners/0120(2013 and Drg No. ETI/OHE/P/150. Make-CORE approved firms, Size-10x65x30. The item should be procured from RDSO/CORE approved supplier.

ITEM No. 23(23e): Supply of Catenary dropper clip as per RDSO Drg. No. ETI/OHE/P/1192, Rev-C with complete fastener. Drg. No. RDSO Drg. No. ETI/OHE/P/1192,Rev-C. RDSO Spec. No. TI/SPC/OHE/Fitngs/s13s-1s/13-REV-1.

The price shall cover Supply of Catenary dropper clip as per RDSO Drg. No. ETI/OHE/P/1192, Rev-C with complete fastener. Drg. No. RDSO Drg. No. ETI/OHE/P/1192, Rev-C. RDSO Spec. No. TI/SPC/OHE/Fitngs/s13s-1s/13-REV-1 or latest. The material should be procured from RDSO/CORE approved supplier duly inspected by RITES /Railway representative deputed by Sr.DEE/TRD/R.

ITEM No.24(24e): Visiting Chair Non-revolving and non-tilting chair with armrest, Make-Godrej/Durian, Featherlite, methodex or superior

The price shall cover supply & installation of Visiting Chair Non-revolving and non-tilting chair with armrest, Make-Godrej/Durian, Featherlite, methodex or superior brand. The make and model of the item to be got approved by Sr.DEE/TRD/R before supply.

ITEM No.25(25e): Executive Table with pedestal/side storage unit, Make-Godrej/Durian, Featherlite, methodex or superior. Size- Length-2000 mm, Width-800 mm, Height- 780mm, Side Storage-Length- 1010 mm, Width-500 mm, Height-780mm.

The price shall cover supply & installation of Executive Table with pedestal/side storage unit, Make-Godrej/Durian, Featherlite, methodex or superior. Size- Length-2000 mm, Width-800 mm, Height- 780mm, Side Storage-Length- 1010 mm, Width-500 mm, Height-780mm. The make and model of the item to be got approved by Sr.DEE/TRD/R before supply.

ITEM No.26(26e): Shelving Cabinets Almirah Large Brand: METHODEX or similar

The price shall cover supply & installation of Shelving Cabinets Almirah Large Brand: METHODEX or similar brand. The make and model of the item to be got approved by Sr.DEE/TRD/R before supply.

ITEM No. 3(3b), 7(7b), 11(11b), 15(15b), 19(19b), 23(23b), 27(27b), 31(31b), 35(35b), 3(3d), 10(10d), 14(14d), 18(18d), 22(22d), 25(25d), 29(29d), 33(33d), 36(36d), 39(39d), 46(46d), 50(50d), 53(53d): 100% EXTRA OF ERECTION RATE FOR POWER BLOCK WORKING

The price under this item covers extra charges over and above erection rate of items of Schedule for erection of item mentioned above with joint equipment already energized or

energized equipment which calls for a Power Block (Shut off of Traction Power). The price payable under this item shall be 100% extra over the erection rates of the items, provided such work is not called for on account of non-compliance with specification and approved drawings and instructions given by the purchaser from time to time.

ITEM No. 4(4b), 8(8b), 12(12b), 16(16b), 20(20b), 24(24b), 28(28b), 32(32b), 36(36b), 4(4d), 11(11d), 15(15d), 19(19d), 23(23d), 26(26d), 30(30d), 34(34d), 37(37d), 40(40d), 47(47d), 51(51d), 54(54d): 50% EXTRA OF ERECTION RATE FOR NIGHT POWER BLOCK WORKING

The price under this item covers extra charges over and above the erection rate of All item when such erection is under taken during night time (Sunset 22:00 hrs to Sunrise 6:00 hrs). The price payable under this item shall be 50% extra over the erection rate of the item referred to above. Where the price under these items is applicable the contractor shall finalize the schedule of erection of various items to be undertaken during night time jointly with the purchaser's Engineer prior to taking the work in hand.

**END OF TENDER
DOCUMENT**