



GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
(A GOVERNMENT OF INDIA UNDERTAKING)
(भारत सरकार का प्रतिष्ठान)

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CIN सी आई एन: **L35111WB1934GOI007891**

NOTICE INVITING TENDER (NIT)

निविदा आमंत्रण सूचना

Garden Reach Shipbuilders & Engineers Limited, a leading Warship Builders and Engineering Product Company, invites interested, reputed, resourceful and financially solvent Service provider to submit **single stage two-part (Part I- Techno-Commercial & Part II- Price) bids** through e-tendering mode for the work package as per following bid document.

NIT No. निविदा संख्या :	SCC/AJK/OT/STEEL BRIDGE LOAD TEST/049/ET-1897. Date: 15.09.2022
Job Title कार्य का नाम:	Civil work for Live Load Test on new Design 200 Ft. Single Lane 5.3 M Modular Steel Bridge at GRSE Belur Unit [to be executed as per SOTR No. ES&CM/AKG/LOAD TEST/SOTR/01
Tender issuing Dept. बिभाग द्वारा जारी:	Contract Cell संविदा बिभाग (GRSE Main)

ARTICLE 1 अनुच्छेद-1: SCHEDULE OF CALENDAR DATES समायावली की अनुसूची:

SCHEDULE सारणी		
Tender Due Date निविदा जमा की अंतिम तिथि	08-10-2022	12:00 Hrs.
Tender Opening Date (Part I) निविदा खुलने की तिथि	10-10-2022	14:00 Hrs.
Offer Validity Period minimum ऑफर की नियुक्तम वैधता अवधी	90 Days from Tender due date	

ARTICLE 2 अनुच्छेद-2: COMMERCIAL REQUIREMENT FOR THE NIT निविदा की ब्यवसायिक आवश्यकता:

FEES / DEPOSITS	
Tender Fee (refer clause 03 of STAC) निविदाप्रपत्र मुल्य (स्टैक के परिच्छेद 03 मे उदधृत)	INR 500 (Rupees Five Hundred only)
Earnest Money Deposit (EMD) (refer clause 04 of STAC) बयाना राशि जमा (स्टैक के परिच्छेद 04 मे उदधृत)	INR 38,500/- (Rupees Thirty-eight thousand five hundred only)
Security Deposit (SD) प्रतिभूति	3% of Order Value (incl. GST)

PBG पी बी जी	3% of Order Value (incl. GST)
Liquidity Damage परिनिर्धारित नुकसान	½ % per week max. 5 % of unexecuted job
Billing Frequency बिल करने की अवधी	Monthly basis (until completion)
Evaluation of L1 एल1 का मूल्यांकन	L1 bidder will be decided on totality basis

Note:- 1. Bidders are required to submit EMD amount as Bid Security in the form of DD/ Pay Order against this tender as per the Clause Ref. (2) of STAC, Enclosure-2. In case of withdrawal of the bid/ fail or refuse to execute the contract / fail or refuse to furnish the security deposit, the EMD shall liable to be forfeited.

MSE/NSIC registered firms having the tendered service listed in their MSE document will be eligible for exemption from submitting the EMD.

Non-submission of EMD or a valid MSE/NSIC certificate may lead to offer rejection.

The submission of EMD instrument is MANDATORY for joint-venture or consortium of two or more firms and there shall be no exemption applicable against submission of NSIC/MSE certificates by the firms.

ARTICLE 3 अनुच्छेद-3: ANNEXURES FORMS PART OF THIS TENDER निविदा की संलग्नक प्रपत्र:

ARTICLES ENCLOSED FORMING PART OF THIS e-TENDER ई-निविदा अंतर्गत संलग्नक परिच्छेद		
Annexure 1 संलग्नक-1	Statement of Technical Requirement (SOTR) and Special Terms and Conditions	Yes
Annexure 2 संलग्नक-2	GRSE Standard Terms And Conditions (STAC) (please refer www.grse.nic.in)	Yes
Annexure 3 संलग्नक-3	Format for - Integrity Pact (please refer www.grse.nic.in)	No
Annexure 4 संलग्नक-4	Format for Technical Eligibility Criteria (Attached with NIT)	Yes
Annexure 5 संलग्नक-5	Format for Financial Eligibility Criteria (Attached with NIT)	No
Annexure 6 संलग्नक-6	Format for Self Certification (Attached with NIT)	Yes
Annexure 7 संलग्नक-7	Fire & Safety Guidelines (please refer www.grse.nic.in)	Yes
Annexure 8 संलग्नक-8	Special condition of contract (please refer www.grse.nic.in)	Yes
Annexure 9 संलग्नक-9	Contractors Responsibility (please refer www.grse.nic.in)	Yes
Annexure 10 संलग्नक-10	General Requirement (please refer www.grse.nic.in)	Yes
Annexure 11 संलग्नक-11	Check List for Bill submission (please refer www.grse.nic.in)	Yes
Annexure 12 संलग्नक-12	Format for - Bank Guarantee Format for EMD (please refer www.grse.in) → Tender → Enclosures Related to tenders of Sub-Contracting Activities)	Yes
Annexure 13 संलग्नक-13	Format for - Bank Guarantee Format for SD (please refer www.grse.nic.in)	Yes
Annexure 14 संलग्नक-14	Format for - Bank Guarantee Format for PBG (please refer www.grse.nic.in)	Yes
Annexure 15 संलग्नक-15	Guide line for Bank Guarantee (please refer www.grse.nic.in)	Yes

ARTICLE 4 अनुच्छेद-4: DOCUMENTS TO BE UPLOADED अपलोड हेतु दस्तावेज:

Self-Attested documents are to be scanned and uploaded with Part I of e-bid ई-बिड के भाग-1 के साथ स्कैन एवं अपलोड हेतु स्वअभिप्रामाणित दस्तावेज		
1	DD/PO or MSE/NSIC Exemption certificate towards tender fee	Yes
2	Technical Acceptance format as available with NIT after being downloaded and filled up	Yes
3	Commercial Acceptance Format as available with NIT after being downloaded and filled up	Yes
4	Documents meeting the Technical Eligibility Criteria as per format at Annexure-4	Yes
5	Documents meeting the Financial Eligibility Criteria as per format at Annexure-5	No
6	Audited/Certified Annual Accounts and Annual Report for immediate last three years in support of Financial Eligibility.	Yes
7	PAN /TAN , GST , Labour License Certificate , Registration Certificate of the Company with ROC	Yes
8	Partnership Deed / Memorandum and the Article of Association of the firm confirming partners and lead partner	Yes
9	Government E-Market Place (GeM) registration certificate with Unique GeM Seller ID	Yes

- Registered Bidders with GRSE need not upload para 7 documents if valid documents already submitted / available with GRSE Vendor Registration Cell.
- Winning Bidder may submit ink signed hard copy of all above documents, prior to issuance of PO.

ARTICLE 5 अनुच्छेद-5: DOCUMENTS IN PHYSICAL FORM TO SUBMIT वास्तविक प्रपत्र जो जमा करने हैं:

PHYSICAL SUBMISSION		
1	Tender Fee instrument	Within 03 days from opening of Part-I bid
2	EMD Instrument	Within 03 days from opening of Part I bid
NOTE:	If instruments submitted through demand draft, the same to be drawn in favour of :	GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED
	The demand drafts should be payable at	<u>Kolkata</u>

- Above original Negotiable Instruments as stipulated, to reach to SM (Contract), Contract Cell, GRSE, Main Works within stipulated period as indicated above in a sealed envelope with tender number and job duly superscripting on it.

ARTICLE 6 अनुच्छेद-6: JOB EXECUTION SCHEDULE कार्य निष्पादन सूची:

- Job Starting Date** कार्य आरम्भ तिथि: Job must be started within 10 days after receipt of LOA/ PO (whichever is earlier).
- Job Completion date** कार्य समाप्ती तिथि: The entire job must be completed within 02 (Two) months from the date of issuing of LOA/Order whichever is earlier.

ARTICLE 7 अनुच्छेद-7: JOB EXECUTION कार्य निष्पादन:

Civil work for Live Load Test has to be carried strictly as per SOTR enclosed herewith as Annexure - I. In case of any doubt, instructions of the Engineer-in-charge is to be followed.

ARTICLE 8 अनुच्छेद-8: GURANTEE & WARRANTEE गारंटी एवं वारंटी:

The work executed including equipment or components thereof are to be guaranteed for satisfactory performance for the period of **12 (Twelve) Calendar months** from the date mentioned in the Completion Certificate, unless otherwise agreed in writing by the Engineer; this will be deemed as the 'Guarantee Period' / 'Defect Liability Period'.

ARTICLE 9 अनुच्छेद-9: PRICE मूल्य:

Price quoted will be firm and fixed for the entire contract period till completion of work awarded during valid contract period. GST is to be indicated separately and will be paid extra. No escalation whatsoever will be considered under any circumstances within the stipulated period of contract.

ARTICLE 10 अनुच्छेद-10: ESCALATION मूल्य वृद्धि: Not Applicable

ARTICLE 11 अनुच्छेद-11: UNREASONABLE QUOTES अतर्कसंगत भाव:

- i. In case the price of L-1 Bidder is found to quote unreasonably low and/or express desires to withdraw from the tender then such bid will be cancelled and EMD will be forfeited and punitive action will be taken in line with the provision as per GRSE Vendor policy.
- ii. However, in case the L1 Bidder agrees to take-up the job with such unreasonable low quote, lower by 30% or more than estimate and also if the difference in price between L1 & L2 is 30% or more, then the quoted price to be analyzed w.r.t. tender requirement and if the L1 bidder fails to justify their quoted rate, the obtained L1 quote will be rejected and the tender will be cancelled. During re-tendering, such bidder with low quote will not be allowed for participation.
- iii. If justification is acceptable to GRSE, then Bidder have to submit a declaration to execute the job till satisfactory completion of entire contract. In case of breach of contract, GRSE shall reserve the right to impose Tender Holiday for a period of at least 01 year.

ARTICLE 12 अनुच्छेद-12: OFFER VALIDITY प्रस्ताव की वैधता:

Offer should be valid for 90 days from the date of opening of Part-I bid i.e. Techno-commercial bid. Under exceptional circumstances GRSE may request for extension of price validity, beyond 90 days against valid reason.

ARTICLE 13 अनुच्छेद-13: CONDITIONAL OFFER सशर्त प्रस्ताव:

Conditional offers w.r.t. SOTR will not be accepted. However, in case of bidder wish to deviate on any / same commercial terms & conditions, then separate deviation statement has to be uploaded along with Part-I bid. However, GRSE reserves the right to accept / reject the deviations / bid with deviations after giving reasonable opportunity to the Bidder.

ARTICLE 14 अनुच्छेद-14: DETERMINATION OF L1 एल-1 का चयन:

L1 vendor will be determined on lowest quote basis in totality.

However, in case of loading the price due to any commercial deviation against the tender, GRSE will evaluate L1 bidder offline, considering all applicable loading factors decided during TNC / CNC proceedings on quoted price.

ARTICLE 15 अनुच्छेद-15: BOQ बी ओ क्यू:

BOQ as part of SOTR given in the tender is tentative. BOQ as part of SOTR given in the tender is tentative. The detail BOQ is attached with the SOTR. It may vary according to actual requirement of job during the tenure of the work/contract. The Contractor shall assess actual quantity of work based on drawings and requirements of Owner (to be decided by Engineer) and shall submit updated BOQ incorporating quantity variation to the Engineer for review/approval. No variation (upward/downward) in quantity (without any limit) and value shall no way vitiate or invalidate the Contract or be treated as revocation of the Contract, but the value (if any) of all such variations evaluated shall be taken into account and the Contract Price shall be varied accordingly without any change in agreed rates of Price Schedule/BOQ on account of variation. Due to above quantity variation in individual items, the total Purchase Order Value may vary for successful completion of the job. Necessary amendment of PO will be issued accordingly. Limit on Cost of Variation

Value of contract may increase up to a maximum of 10% of the total Contract Value. This is to be a cumulative total for all variations. The Contractor shall give reasonable prior notice to the Engineer of any variation which may cause this cumulative limit to be exceeded.

ARTICLE 16 अनुच्छेद-16: OPENING OF BIDS निविदा खुलना:

Part-I (techno-commercial) bid will be opened on the date declared in NIT. Part-II bid will be opened post techno-commercial evaluation by GRSE. Price bid of only those who qualify techno-commercially will be opened. Opening date of Price Bid will be intimated accordingly to all qualified bidders. Disqualified bidders, either during technical assessment or commercial discussion will also be intimated about their non-consideration for farther processing.

ARTICLE 17 अनुच्छेद-17: MICRO & SMALL ENTERPRISES सूछ्म एवं छोटे उद्योग:

Purchase preference may be given to eligible Micro and Small Enterprise Firms as per MSME Act provided, the tendered job is listed in their MSE document. (Detail at Clause 2 of STAC)

All Micro & small enterprises are required to declare their Udyog Aadhar Memorandum (UAM) number on the Central Public Procurement Portal (CPPP). Documentary evidence of the said declaration is to be submitted along with the techno-commercial bid failing which benefits being accorded to Micro & Small Enterprises will not be extended.

ARTICLE 18 अनुच्छेद-18: AWARDING JOBS TO MULTIPLE BIDDER बहुल बिडर के लिए ठेका कार्य: N.A.

ARTICLE 19 अनुच्छेद-19: ELIGIBILITY CRITERIA पात्रता के मापदंड:

Technical Eligibility Criteria तकनीकी मापदंड –

- (a) Bidder shall have experience of successful execution of Similar Nature /Type of Job i.e. Construction / Structural Fabrication and Erection work and related civil work during last three (03) years. Supporting documents meeting Technical Eligibility Criteria to be submitted along with the bid. Also full contact details like name, address, telephone numbers of the person under whose direct jurisdiction the work was executed etc.) to prove that they had carried out such works successfully in any PSU / Corporate house / Industry.
- (b) Bidder has to fulfill experience in successful completion of aforesaid similar jobs of value not less than Rs. 20 lakhs for one job or not less than Rs. 15 Lakhs each for two jobs in last 03 years. The bidder must submit necessary proof duly endorsed along with the bid.
- (c) The Tenderer shall submit following documents along with their bids; Bar chart / schedule of work, Necessary supporting documents for experience as per technical eligibility criteria.
- (d) Format for Technical Eligibility Criteria has been attached to this document as per format attached at Annexure - 4. The format has to be filled up and to be uploaded with the Techno-commercial Bid.

The bidder should give self-certification (as per Annexure-6) that they have neither been Blacklisted nor have received any tender holiday from any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations during last 03 (three) years ending on 31.08.2022. The bidder has to submit self-certification for the same along with the techno-commercial offer. GRSE reserves the right to independently verify the same. In case violation of declaration is detected at any stage of tender process and during currency of contract, the order will be terminated.

Note:

- a) If any bidder has been black listed by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations, then the bidder is not eligible to participate in this tender. If any discrepancy is detected at any stage of the tender, then the offer submitted by the bidder / contract awarded to the bidder will be cancelled and EMD/SD shall be forfeited and appropriate action will be taken in accordance with the vendor policy of GRSE.
- b) If any bidder has been 'Put on Tender Holiday' by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations, then this fact must be clearly stated and it may not necessarily be a cause for disqualifying them.
- c) In case of non-submission of the self-certification document as per format at Annexure-6, the bidder will be treated as non-responsive and their offer will be rejected

Note: Non-submission of documents along with Techno-commercial bid as mentioned in above clauses, the offer will not be considered for further tender processing /bidders not having requisite experience as established by their uploaded technical bids, may not be called for TNC.

Financial Eligibility Criteria वित्तीय मापदंड –

- (i) Audited Balance Sheet and Profit & Loss Account of the company for last 03 (three) financial years need to be submitted.

ARTICLE 20 अनुच्छेद-20: INSTRUCTION TO THE BIDDERS बिडर हेतु अनुदेश:

1. Before submitting a bid, bidders are expected to examine the Bid Documents carefully, if they desire, may visit the work front, fully inform themselves of existing conditions and limitations including all items described in the Bid Documents. NO consideration will be granted for any alleged misunderstanding or the materials to be furnished, work to be performed or actual considerations to complete all work and comply with conditions specified in the Bid Document.
2. Any qualified deficiency, errors, discrepancies, omissions, ambiguities or conflicts in the Bid Documents, or there be any doubts as to the meaning of a provision or requirement, the same shall immediately brought to notice of GRSE Tendering Dept. in writing not less than 07 days prior to bid closing date.
3. It is understood that in receiving this bid, GRSE assumes no obligation to enter into a contract for the WORK covered by this bid request. GRSE reserves the right to reject any and all unqualified proposals or waive irregularities therein. GRSE reserves the right to evaluate each and every proposal and accept the whole or any part of the tender and the Tenderer shall be bound to perform the same at the rates quoted.
4. GRSE also reserves the right to reject any and all bids and accept the bid, which in its opinion, appears to be most advantageous to GRSE. Receipt and review of this Bid Request constitutes an agreement of confidentiality between GRSE and each of the contracting Firms preparing its Bid. GRSE reserves the right to change the form of this request to Bids, or make clarifications thereto, within a reasonable time before date of submission of Bids.
5. General Contractors assume all safety related responsibilities for the site and will furnish and maintain its own safety program for itself and its subcontractors. Contractor are bound to comply with all applicable Environmental, Health & Safety rules, regulations, policies, procedures and guidelines when performing work in the facility or site.
6. Job is to be carried out as per SOTR and instruction of the Engineer in-charge.
7. Any Drawings or technical information attached / provided with this NIT is the Intellectual Property of the Company and will be governed by the specific Acts applicable thereto.
8. Post submission of Tender, such drawings and technical information are to be physically returned. Also all soft copies are to be destroyed and a self-certification to be submitted during CNC, failing which the processing of bid will not be taken further.

9. Contractors are responsible to clean up the area of work w.r.t all sort of debris generated on daily basis. If they fail to do so GRSE reserves the right to perform the cleaning activity and charge the contractor with penalty of up to 25%.
10. Bidder has to declare, in what capacity he is participating in the tender viz PSU, Limited Co, Pvt Ltd. Co., Sole Proprietorship Organization, Partnership firm, Joint Venture, etc. Supporting documents (scanned copy) confirming such status to be uploaded as attachment to Part I bid.
11. A Bidder is allowed to submit only one Bid under any capacity / status.
12. Difficulty in submitting the bid:

Any query/difficulty in understanding of SOR or other technical Terms may be got clarified from Mr. Anjan Kumar Ghosh, SM (ES&YM) e-mail/Ghosh.Anjan @grse.co.in prior to submission of offer.

For difficulty in submitting / uploading of e-tender or for any system help contact person is Mr. Saraswata Palit , SR MGR (E-PROCUREMENT); e-mail/ [@grse.co.in](mailto:Palit.Saraswata) and / or GRSE Service Provider M/s. NIC personnel may be contacted at Land line no: 033 24893902
13. E-mail Address for communication **संचार हेतू ई. मेल पता:** Vendor to provide e-mail address to enable faster communication.

ARTICLE 21 अनुच्छेद-21: e-BID INSTRUCTION ई बिड के अनुदेश:

- a) To participate in the e-Bid submission for GRSE, it is mandatory for the bidders to get their firms registered with E-Procurement portal <http://www.grse.in/etender> or <http://eprocuregrse.co.in>
- b) It is mandatory for all bidders to have class – III Digital Signature Certificate (DSC) in the name of the person who will digitally sign the bid from any of licensed Certifying Agency (CA). Bidders can see the list of licensed CAs from the link <http://www.cca.gov.in>.
- c) Bidders can view / download Part-1 (Techno-Commercial) bid documents along with all attachments. They need to fill up the downloaded documents as per instruction and upload the same during bid submission. Non-acceptance of any techno-commercial criteria is discouraged. However, if there is any, it is to be commented accordingly and also stated in the separate deviation format.
- d) Bidders need to fill up Part II (Price) bid online in HTML price bid format by inserting unit price only. No other attachment to the price bid will be reckoned.
- e) In case the bidder does not quote his rate for any item(s), it will be presumed that the bidder has included the cost of that/those item(s) in the rates of other items and the rate for such item(s) shall be considered as **Zero** and the tender will be evaluated by the Employer accordingly and the work executed by the successful bidder accordingly.
- f) Bids can be submitted only during validity of registration of bidder with GRSE e- Procurement portal.

g) The amendments / clarifications to the bid document, if any, will be posted on E- Procurement portal / GRSE web site only.

h) It will be the bidder's responsibility to check the status of their Bid on-line regularly after the opening of bid till award of work.

i) AMENDMENT OF TENDER DOCUMENT

i. Before the deadline for submission of tenders, the Tender Document may be modified by GRSE Ltd. by issue of addenda/corrigendum. Issue of addenda / corrigenda will however be stopped 7 days prior to the deadline for submission of tenders as finally stipulated.

ii. Addendum/corrigendum, if any, will be hosted on website / e procurement portal and shall become a part of the tender document. All Tenderers are advised to see the website for addendum/ corrigendum to the tender document which may be uploaded up to 7 days prior to the deadline for submission of Tender as finally stipulated.

iii. To give prospective Tenderers reasonable time in which to take the addenda/ corrigenda into account in preparing their tenders, extension of the deadline for submission of tenders may be given as considered necessary by GRSE.

ARTICLE 22 अनुच्छेद-22: BID REJECTION CRITERIA बिड अस्वीकृति के मापदंड:

Following bid rejection criteria may render the bids liable for rejection:

- a) Bidder's failure to furnish sufficient or complete details for evaluation of the bids within the given period which may range in between two to three weeks depending on the deficiencies noticed in the drawings / technical data which shall not however conflict with validity period.
- b) Incomplete / misleading / ambiguous bid in the considered opinion of the Technical Negotiation Committee (TNC) of GRSE.
- c) Bid with technical requirements and/or terms not acceptable to GRSE / Customers / External agency nominated, as applicable.
- d) Bid received without qualification documents, where required as per the tender.
- e) Bid not meeting the pre-qualification parameters / criteria stipulated in the Tender Enquiry.
- f) Bid with validity expiry date shorter than that specified in the Tender Enquiry.
- g) Bid Security Declaration form not submitted as per format enclosed within time.
- h) Bidders who have not agreed for the fixed price till the validity of the tender or have quoted the variable price.
- i) Bidder not agreeing for furnishing of the required Security Deposit (SD).
- j) Bidder not submitting Integrity Pact as per requirement of the tender.
- k) Bidder submitted false/incorrect documents etc.

ARTICLE 23 अनुच्छेद-23: POST AWARD APLICABLE CLAUSES ठेका जारी करने के पश्चात लागू उपधारा:

i. Security Deposit प्रतिभूति जमा -

Non-interest-bearing security deposit of 3% of total order value is to be deposited in the manner elaborated at clause 5 of STAC. In case of non-submission of SD as per schedule, penal interest will be charged for delayed period of submission of SD beyond 15 days at the prevailing SBI cash credit rate on the amount of SD to be submitted.

ii. Work Done Certificate (W.D.C.) कार्य पूर्ति प्रमाण-पत्र (डबल्यू.डी.सी) –

The contractor will put up Work done for certification to Engineer, ES dept. along with all inspection report / measurement sheet signed by Quality Assurance Authority/Engineer. Work done certificate is to include whether work has been completed as per delivery schedule or the delay in days/weeks occurred in completion of work. Any recovery towards usage of GRSE resources is also to be indicated.

iii. Bill Submission बिल प्रस्तुति:

On obtaining WDC, bills are to be raised (considering the checklist for Bill Submission as per attached format at Annexure-11) by contractor monthly progressive basis. Bills are to be submitted along with supporting document (Work Done Certificate) at the Bill Receiving Counters located at the respective unit of Company. Bill is to be submitted (in 03 copies) in sealed envelope super-scribing on the envelope the Purchase Order No., Vendor code, Bill / Invoice No., Name of person /employee to whom bill is addressed, for processing. The Name of the Bill certifying authority to be mentioned on sealed envelope. Against this particular case AGM (ES&CM) is the Bill Certifying Authority.

Note: - Transaction fee of Rs. 500.00 for first return & Rs. 1000.00 for subsequent return of bill with inappropriate documents will be charged.'

iv. Payment Terms भुगतान की शर्तें:

- a. The contractor shall submit the R/A bills in triplicate along with all necessary / required supporting documents, measurement sheet etc.
- b. 97% (Ninety Seven percent) of the value of actual work done will be paid progressively against R/A bill at a frequency of once every month during construction. The amount paid at every month shall be evaluated on the basis of actual completed works done during the previous month, against the BOQ item and unit Rates, on certification of quantum and quality of work by Engineer / Engineer's Representative.
- c. Balance 3% (Three percent) bill amount will either be retained from each bill as Performance Guarantee and the same will be released after expiry of guarantee period of the of the Civil work for Live Load Test duly certified by the bill approving authority or be paid against submission of performance Bank guarantee.
- d. Payment will be made on actual certification basis through ECS mode.
- e. No advance payment will be made in any circumstances.

v. Liquidated Damages (निर्णीत हर्जाना)

The vendor will be liable to pay minimum Liquidated Damages @ ½ % per week or part thereof on the undelivered work subject to a maximum of 5 % of the value of the order for delayed part. The amount of L.D. may be adjusted or set-off against any sum payable to the Contractor under this or any other Contract with GRSE Ltd.

vi. Risk Purchase (जोखिम खरीद):

In case the progress of work is not satisfactory and the contractor fails to maintain the schedule, GRSE reserves the right to get the work done by alternative source at the risk and cost of sub-contractor.

GRSE shall be at liberty to purchase/obtain the service from the alternative source as it deems fit, to make good such default and or in the event of the contract being terminated, the balance of the remaining service to be delivered there under. Any excess over the job price / service rates, paid and incurred by GRSE, as the case may be, over the contract price shall be recoverable from the firm. To make good the recoverable excess amount paid, GRSE shall be at liberty to invoke Bank Guarantee and/or with other available dues of the firm.

vii. Time of completion shall always be considered as essence of the contract / PO (कार्य समापन अवधी निविदा का मूलतत्व) and cannot be extended for any reason whatsoever. However in an unlikely situation beyond the control of the contractor, application for extension of due time shall be submitted by the Contractor, 1 Month in advance with proper justification duly endorsed by Engineer In-charge / YM (FOJ) dept. of GRSE.

ARTICLE 24 अनुच्छेद-24: SUBMISSION OF BID बिड की पेशी:

1. Last date of submission of Bid / Date of opening of bid is indicated in Tender Document. Tender is liable to be rejected if all the requisite documents are not enclosed with the Part I, Techno-Commercial offer.
2. Date of opening of Part II offer i.e. Price Bid will be notified to all Techno-Commercially qualified bidders in due course after conclusion of TNC/CNC meetings and acceptance of Techno-Commercial offer. After opening of e-Price bids, the techno-commercially qualified bidders can view the System Generated Price Comparison Sheet from their own portal.
3. GRSE reserves the right to accept / reject any Tender in full or in part without assigning any reason.
4. Acceptance Format Matrix should be filled up and attached with techno-commercial bid as marks of acceptance of NIT/SOTR/STAC. In case of non-receipt of filled in STACs acceptance format matrix, it would be presumed that you have accepted all our terms& conditions as per GRSE tender until & unless deviation is specially mentioned in offer.

ARTICLE 25 अनुच्छेद-25: PRE BID MEETING बोली-पूर्व बैठक: NA

**Anukaran J. Kandir
SR. MGR. (Contract)
Garden Reach Shipbuilders & Engineers Ltd.
GRSE Ltd., Main Unit,
43/46, Garden Reach Road, Kolkata-700024
(Cont. no. 9163361808)**

GRSE Ltd.	CIVIL WORKS INCLUDING EXCAVATION WORK, DISMANTLING WORK, RCC WORK, BACKFILLING WORK ETC FOR LIVE LOAD TEST ON NEW DESIGN 200 FT. SINGLE LANE 5.3 M MODULAR STEEL BRIDGE AT GRSE BELUR UNIT.	SOTR No. ES&CM/AKG/LOAD TEST/SOTR/01 Sheet : 01 to 17
Yard No. : NA		Rev : 01
Group : ES&CM		
Inspection : GRSE ES&CM Dept.	Prepared by : A.K.Ghosh , SM(ES&CM) Date : 06.09.2022	Checked by : S.C.JHA, AGM(ES&CM)

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1 GENERAL

This set of technical requirements provide a general guideline for carrying out the execution of works. General items of work required to be carried out for successful implementation of the project are included. All items are required to be carried out in accordance with the following specifications / standards.

- a) Specification as per the latest PWD schedule, West Bengal and relevant corrigendum issued from time to time.
- b) Relevant Indian Standard Codes.

2 DETAIL SCOPE OF WORK

2.1 Work Requirements

The work primarily involves Civils works pertaining to facilitate Load Testing work of 200 ft Single Lane 5.3 M Modular Steel Bridge at GRSE Belur Unit.

2.1.1 Scope of work included in this tender broadly comprises of following;

- i) Site Cleaning / Jungle cutting works.
- ii) Dismantling of Masonry work, Dismantling of RCC work of existing foundations.
- iii) Earth Excavation works, Reinforcement works, RCC work.
- iv) Solid Brickwork.
- v) Plaster repair work.
- vi) Priming and Painting work.
- vii) Site Clearance.

2.2 General Requirements

2.2.1 The Contractor shall carry out detail survey on condition of the existing worksite/structures for finalisation of work.

2.2.2 The Contractor will be responsible for overall site management and coordination of site activities within the boundary of the works, as necessary to ensure the adequacy, stability and safety of the works and of persons at the site.

2.2.3 To minimise the interference to production/other activity of GRSE at the working site, the Contractor has to work progressively as directed by GRSE.

2.2.4 The contractor shall take all necessary height work permit, Hot work permit from concern Dept. of GRSE (i.e. Safety, Fire etc.) as applicable in line with prevailing rule in GRSE.

2.2.5 The contractor shall take all precautionary measures in consultation with GRSE, while working at height, structural welding, priming, painting etc.

2.2.6 The submission to and comment/acceptance by the Engineer of such programmes, methods, drawings, designs, QAPs and HSPs shall not relieve the Contractor of any of his duties or responsibilities under the Contract.

2.3 Design, Drawings, Calculations and Documents



2.3.1 GRSE will provide necessary Drawings and Design as required.

2.4 **Detail Job Quantity**

2.4.1 BOQ with item quantities as part of SOTR are given in the tender. The quantities set out in the BOQ of the tender shall be treated as estimated quantities of the work and shall not be deemed as actual or correct quantities of the work to be executed by the Contractor.

2.4.2 The Contractor shall execute required quantity for successful completion of project work at the same contractual rates and terms & conditions for any extent of variation in stipulated BOQ quantities

2.4.3 List of BOQ Items considered under the scope of this tender is provided at successive clause for reference.

2.4.4 All bidders shall quote against each items of above BOQs, otherwise, their bid would be considered as incomplete Bid and shall be liable for rejection.

2.5 **Contractor to Supply all Materials**

2.5.1 Unless stipulated otherwise in the Contract, all materials including consumables required for the work shall be procured and supplied by the Contractor with the approval of the Engineer or his Representative and subject to subsequent testing as may be required by the Engineer or his Representative. However GRSE has got surplus materials, which can be awarded to the vendor for the purpose.

2.5.2 The Contractor shall comply with the relevant IS Codes.

2.6 **Deployment of Resources**

2.6.1 Contractor shall provide adequate number of qualified / experienced workmen, with experienced Engineer / Supervisor having Technical qualification not less than diploma in Civil Engg. and also sufficient construction equipment, materials, tools & tackles etc. for achieving the schedule target as per approved work schedule. The contractor shall ensure timely deployment of all above resources at site to ensure contractual completion.

2.6.2 The contractor shall ensure deployment of adequate and proper skilled /semi-skilled workforce as per work requirements and optimum supporting unskilled workforce as necessary.

2.7 **Testing of Materials, QAP and Acceptance**

2.7.1 Test samples shall be prepared and submitted for approval of the Engineer or his Representative, whenever required to do so, all at the Contractor's cost.

2.7.2 The Contractor shall submit valid correlated test certificates conforming to applicable standards for materials/items before incorporation in the permanent works.

- 2.7.3 Testing of materials shall be conducted as per relevant Indian Standards.
- 2.7.4 Unless stipulated otherwise in the Contract, the cost of any test required by the Engineer or his representative in respect of materials and workmanship deployed on the work shall be borne by the Contractor.

2.8 Inspection by the Engineer

- 2.8.1 For Site inspection, the Contractor shall give adequate notice to the Engineer (authorised representative of GRSE).
- 2.8.2 The Contractor shall provide the Engineer with proper free and safe access to the Contractor's works and stores or his sub-contractor's works and stores at all times and shall provide reasonable facilities to enable him to undertake his inspection.
- 2.8.3 The Contractor shall make all necessary arrangements to enable stage inspections by the Engineer.
- 2.8.4 The Engineer or his Representative shall have power to certify or disapprove/reject works or materials, in accordance with the Conditions of Contract.

2.9 Quality & Workmanship

- 2.9.1 Quality and workmanship of all items/materials and work shall conform to BOQ /Technical Specification / relevant Indian Standards. The Contractor shall be responsible for any loss/damage during the course of work to machinery, equipment, fittings, wiring, piping, and systems etc. caused by his workman (or his sub contractor's) and the Contractors shall make good such damage free of cost.

2.10 Materials / Work not acceptable to Engineer

- 2.10.1 The Engineer or his Representative shall have the power to inspect any material and work at any time and to order at any time – (a) for removal from the Site of any material which in his opinion is not in accordance with the Contract or the instruction of the Engineer or his Representative, (b) for the substitution by the proper and suitable materials, or (c) the removal and proper re-execution of any work, which in respect of material and workmanship is not in accordance with the Contract or the instructions of the Engineer. The Contractor shall comply with such order at his own expense and within the time specified in the order. If the Contractor fails to comply, the Engineer shall be at liberty to dispose any such materials and re-do any work in the manner convenient to the Engineer by engaging any outside agency at the risk and expense of the Contractor and after giving him a prior written notice of 7 (seven) days. The Contractor shall extend his full assistance as required by the Engineer during inspection.

2.11 Contractor to Commence Work



2.11.1 The Contractor shall mobilize and commence the work on site on the Commencement Date stated in the LOA/PO. The Contractor shall then proceed with the work with due expedition and without delay, except as may be expressly sanctioned or ordered by the Engineer or his Representative, time being deemed the essence of the Contract on the part of the Contractor.

2.12 Supervision by the Contractor

2.12.1 The Contractor shall engage experienced and qualified Engineers having Technical qualification not less than diploma in Civil Engg. at site in day-to-day charge of the work and he should be authorized to receive instructions from the Engineer/GRSE. He shall receive orders given by the Engineer from time to time and shall act on them promptly. Biodata along with due clearance of Supervisor to be obtained from GRSE.

2.12.2 The Contractor shall also engage experienced designated Safety Personnel at site for day to day supervising safety compliances related to construction, fabrication and erection work.

2.12.3 The Contractor shall provide necessary and adequate supervision during the execution of the works and as long thereafter as the Engineer or his Representative shall consider necessary during the Defect Liability Period.

2.12.4 The Contractor or his competent and authorised agent or representative shall be constantly at site during working hours. The Contractor shall inform the Engineer or his Representative in writing about such representative / agent of him at site. Replacement of any of the authorised agent of the Contractor during the currency of Contract shall only be with prior written approval of the GRSE/ Engineer.

2.12.5 The Contractor and his authorised agent or representative shall be readily available to meet with the GRSE and/or Engineer and/or Engineer's Representative and instructions given to him by the Engineer or his Representative in writing shall be binding upon the Contractor.

2.13 Setting Out

2.13.1 The Contractor shall be responsible for the true and proper fitting / alignment of the Works in relation to reference points / lines / levels as applicable. The checking of any alignment or level by the Engineer or his Representative shall not in any way relieve the Contractor of his responsibility for the correctness thereof and he shall fully provide, protect and preserve the setting out of the works.

2.13.2 The Contractor shall promptly notify the Engineer of any discrepancy in the setting out of the works.

2.14 Care of the Work

2.14.1 From the commencement of the works till issue of the Completion Certificate hereof; the Contractor shall take full responsibility for the care thereof. Save for the excepted risks, any damage, loss or injury to the work or any part thereof shall be made good by the Contractor at his own cost as per instruction and to the satisfaction of the



Engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer / Owner, shall be recovered from the Contractor.

2.15 Protection of the Existing Structures / Machines

- 2.15.1 The Contractor will be responsible for the protection of all existing structures, machines, cranes etc. adjacent to and within the Works from any type of damage.
- 2.15.2 Before the commencement of work, the Contractor to take necessary precautions and measures to safeguard the existing structures/machines/materials and protect them from possible damages. For that the Contractor will arrange adequate safety nets, ropes etc. without any extra cost.
- 2.15.3 If any damage occur by the Contractor or contractor's workmen, will be recovered suitably from the Contractor.

2.16 Existing Roads & Shop floor to be kept clean

- 2.16.1 Existing roads & Shop floor used by vehicles/machineries of the Contractor or any of his subcontractors for supplies of materials or plant shall be kept clean and clear of all dirt, mud or any other materials dropped by the said vehicles or their tyres. The Contractor shall provide and maintain all equipment as may be necessary to keep the Owner's roads clean as required by this Clause.
- 2.16.2 Any damage caused by the Contractor to the surface of the roads or car parks shall be made good at his own cost.

2.17 Control of Pollution / Health Hazards

- 2.17.1 The Contractor shall take care to comply with current legislation on the Control of Pollution.

2.18 Site-In charge / Log Book / Hindrance & other Records

- 2.18.1 One fully responsible and experienced / Qualified Site-in-charge has to be posted at the site during progress of work.
- 2.18.2 One dedicated and experienced / Qualified Safety Officer at site
- 2.18.3 Details of technical personnel deployed for the job.
- 2.18.4 Log book for re-work/ modification.
- 2.18.5 Site instruction book.
- 2.18.6 Details of materials brought by vendor along with copies of challan.
- 2.18.7 Proper record of hindrances is to be maintained by the contractor for the purpose of timely removal of the hindrance and is to be put up for approval by the Engineer on weekly basis.



2.19 Clearance of Site

- 2.19.1 During construction work, the Contractor shall remove all unsalvageable dismantled materials, excavated surplus earth etc. as directed by the Engineer from the site progressively so that construction activities remain unaffected. These materials shall be disposed off to a suitable area (to be arranged by the Contractor in conformity with statutory rules) outside the GRSE premises.
- 2.19.2 On receiving the Completion Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, scrap materials, wreckage, debris, rubbish and temporary works from the Site or as directed by the Engineer.
- 2.19.3 The site shall be handed over in a tidy and workmanship manner.
- 2.19.4 If all these items have not been removed within 28 (twenty eight) days, after the issue of Completion Certificate the Owner may sell or otherwise dispose of any remaining items. The Owner shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.

3 GRSE SCOPE OF SUPPLY

3.1 Electricity

- 3.1.1 GRSE will provide electrical power supply at one point / suitable location near the construction area / site at free of cost for execution of job. The Contractor shall make necessary arrangements for further distribution, as required, from that point on a temporary basis all at his own cost. The contractor shall ensure consumption of power in very economical way to save energy.

3.2 Water

- 3.2.1 Construction water will be provided at free of cost from existing source of GRSE. The Contractor shall arrange necessary water distribution pipe line and pump as required all at his own cost.

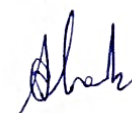
4 TECHNICAL SPECIFICATIONS

4.1 Structural Steel Work & Erection work

- 4.1.1 All steel and other materials used for steelwork and in association with steel work shall confirm to the appropriate Indian Standard. All structural steel shall be of tested quality.
- 4.1.2 The welding work shall confirm to IS:814 (Covered electrodes for manual metal arc welding), IS:818 (Safety requirement, health provision), IS:822 (code of procedure for inspection and testing of welds).

4.2 Rectification / Modification / Strengthening of existing Structure

- 4.2.1 All rectification / modification shall be done as per approved sketches following the best practice of fabrication as enumerated under fabrication of Steel Structures.



4.2.2 Control & distortion in welding as specified under fabrication of steel structures shall be followed during rectification / modification.

4.3 Painting Work

4.3.1 All painting works should be carried out as directed by EIC.

4.3.2 Acrylic Emulsion Paint: Acrylic emulsion paint are not suitable for application on external surface and surface which are liable to heavy condensation and are be used generally on internal surface. For plastered surfaces a cement priming coat is required before application of acrylic emulsion. Acrylic emulsion paint of approved brand and manufacture and of the required shade shall be used.

4.4 Approved Make / Brand as applicable for the work.

Item	Make / Brand
Cement	Lafarge / ACC / Ultratech or equivalent as approved by Engineer
Reinforcement Steel	TISCO / SAIL / ESSAR / RINL/ SRMB or equivalent as approved by Engineer.
Structural Steel	SAIL / TATA / RINL/ JINDAL / equivalent as approved by Engineer
Metal Sheet	TATA
Paint	Asian Paints / Berger / ICI / Nerolac or equivalent as approved by Engineer
Ceramic Tiles	Somany / Kajaria / Johnson or equivalent as approved by Engineer
UPVC Pipe	SUPREME / PRINCE /ORIPLAST or equivalent as approved by Engineer

5 SPECIAL TERMS AND CONDITIONS OF CONTRACT

5.1 Technical Eligibility Criteria

5.1.1 Bidder shall have experience of successful execution of Similar Nature /Type of Job i.e. Construction / Structural Fabrication and Erection work and related civil work during last three (03) years. Supporting documents meeting Technical Eligibility Criteria to be submitted along with the bid. Also full contact details like name, address, telephone numbers of the person under whose direct jurisdiction the work was executed etc.) to prove that they had carried out such works successfully in any PSU / Corporate house / Industry.

5.1.2 Bidder has to fulfill experience in successful completion of aforesaid similar jobs of value not less than Rs. 20 lakhs for one job or not less than Rs. 15 Lakhs each for two jobs in last 03 years. The bidder must submit necessary proof duly endorsed along with the bid.

5.2 **Submission of Technical Documents along with the Bid**

- 5.2.1 The Tenderer shall submit following documents along with their bids;
- i) Bar chart / schedule of work
 - ii) Necessary supporting documents for experience as per technical eligibility criteria.

5.3 **Site Condition**

- 5.3.1 The Tenderer shall consider that accommodation for personnel of the Contractor and their sub-contractors is not allowed to reside at GRSE premises.
- 5.3.2 Before quoting, the Tenderer in his own interest shall carry out site visits to know the site conditions / situations and full implications of the assignment. This will also help him in proper assessment of the work. Failure to do so will not absolve the contractor of his responsibility to carry out the work as specified in the Tender Documents. The cost of visiting the site shall be borne by the Tenderer and shall be at his own responsibility and risk.

5.4 **Site Consultations**

- 5.4.1 The work shall be carried out in consultation with the ES&CM Dept of GRSE headed by Addl. General Manager (ES & CM), with other officers as nominated by him.

5.5 **Award of Work**

- 5.5.1 L1 Bidder quoting lowest total Tender Sum against the said job will be decided after price evaluation of the said work.
- 5.5.2 The work will be executed as a whole without splitting of order.

5.6 **Work Done Certificate (W.D.C.)**

- 5.6.1 The contractor will put up Work done for certification to Engineer along with all inspection report / measurement sheet signed by Quality Assurance Authority/Engineer. Work done certificate is to include whether work has been completed as per delivery schedule or the delay in days/weeks occurred in completion of work. Any recovery towards usage of GRSE resources is also to be indicated.

5.7 **Completion Period**

- 5.7.1 Completion period of the entire scope of work under this tender shall be:-
Total 02 (Two) calendar months from the date of issue of LOA/Work Order whichever is earlier.

- 5.7.2 The Tenderer, however, is required to assess the period. The tenderer must submit a network schedule explaining planning and program in detail for execution of the project.

During execution of work the contractor shall ensure the timely mobilization of their equipment, adequate manpower and materials based on agreed work schedule / milestones. The contractor shall adopt necessary measures to avoid any delay in work progress. In case of interim delay, the contractor shall augment more manpower and also work during extended working hours / holidays to catch up the delay.

5.8 Guarantee Period / Defect Liability Period (DLP)

- 5.8.1 The work executed including equipment or components thereof are to be guaranteed for satisfactory performance for the period of 12 (Twelve) Calendar months from the date mentioned in the Completion Certificate, unless otherwise agreed in writing by the Engineer. This will be deemed as the 'Guarantee Period'/'Defect Liability Period'.

5.9 Terms of Payment

- 5.9.1 The contractor shall submit the Final bill in triplicate along with all necessary / required supporting documents, measurement sheet etc.
- 5.9.2 Payment will be made on Final Bill after completion of work.

5.10 Ownership of Scrap

- 5.10.1 All scrap items (salvageable) i.e. Metal and wooden scrap materials (loose) if obtained/generated by demolishing of any structure / during excavation shall remain the property of the Owner/GRSE and shall be shifted and stacked at place earmarked by owner within GRSE premises and other GRSE units (within a lead of 5KM).

5.11 Completion Certificate

- 5.11.1 When the whole of the work has been completed to the satisfaction of the Engineer and has passed any final test as per the Specification/Contract/ instruction of the Engineer, the Contractor shall, within 21 (twenty one) days of submission of his application to the Engineer, be entitled to receive a "Certificate for Completion" of work.
- 5.11.2 If any part of the total work having been completed to the satisfaction of the Engineer, be taken over and / or used by the Owner, the Contractor shall on application be entitled to partial completion certificate indicating the portion of the work covered by it, so that the Contractor's liability during Defect Liability Period of the Contract, if any, shall commence from the date mentioned in such certificate so far as the completed portion of the work is concerned.

5.12 Variation and its Valuation

The Engineer shall have the power to order the Contractor in writing to make any variation of the quantity, quality or form of the works or any part thereof that may, in



his opinion, be necessary and the Contractor upon receipt of such an order shall act as follows:

- a) Increase or decrease the quantity of any work included in the Contract.
- b) Omit any work included in the Contract.
- c) Change the character or quality of kind of any work included in the Contract.
- d) Execute extra and additional work of any kind necessary for completion of the works.

5.12.2 Quantities in Price Schedule are estimated

BOQ as part of SOTR given in the tender is tentative. The detail BOQ is attached with the SOTR. It may vary according to actual requirement of job during the tenure of the work/contract. The Contractor shall assess actual quantity of work based on drawings and requirements of Owner (to be decided by Engineer) and shall submit updated BOQ incorporating quantity variation to the Engineer for review/approval. No variation (upward/downward) in quantity (without any limit) and value shall no way vitiate or invalidate the Contract or be treated as revocation of the Contract, but the value (if any) of all such variations evaluated shall be taken into account and the Contract Price shall be varied accordingly without any change in agreed rates of Price Schedule/BOQ on account of variation. Due to above quantity variation in individual items, the total Purchase Order Value may vary for successful completion of the job. Necessary amendment of PO will be issued accordingly. Limit on Cost of Variation Value of contract may increase up to a maximum of 10% of the total Contract Value. This is to be a cumulative total for all variations. The Contractor shall give reasonable prior notice to the Engineer of any variation which may cause this cumulative limit to be exceeded.

5.12.3 Payment for Extra, Additional, Omitted, Substituted Work

- a) The Contractor shall not be entitled to any claim of additional work unless they have been carried out under the written orders of the Engineer.
- b) The Engineer shall solely determine the amount (if any) to be added to or deducted from the sum named in the Tender in respect of any additional work done or work omitted by his order subject to approval of the Owner.
- c) All additional or substituted work done or work omitted by order of the Engineer shall be valued on the basis of the rates and prices set out in the Contract, if in the opinion of the Engineer, the same shall be applicable. If the Contract does not contain any rates or prices directly applicable to the extra, additional or substituted work, the Engineer shall solely determine suitable rates in the manner deemed by him as fair and reasonable, and his decision shall be final, binding and conclusive.
- d) Rates of item of work that is not included in the schedule of items/BOQ shall be fixed as per the following procedure:
 - (a) Where the extra works are of similar character and of equivalent value and / or executed under similar conditions as to any item of work appearing at Schedule of Quantities, then the rates for such extra items shall be equal to the rates of such items.
 - (b) If the extra works are of similar character but differing in particulars then the rate of such item or items shall be derived from Schedule of Quantities, as modified to take fair account of the differences in particulars.
 - (c) Where items of similar character are not contained in the Schedule of Quantities and none of the foregoing methods are applicable, rates shall be based



on the norms of PWD/CPWD for labour, materials content respectively. However, in both cases local prevailing market rate for labour & material shall be adopted.

(d) Where rates for extra item of works cannot be established by rate analysis as per the above, then rate for such item shall be estimated and fixed by the Engineer based on the market rates and assessment for labour, materials and other factors involved thereon.

5.16

BOQ (BILL OF QUANTITY) :

Sl No	Description	Quantity	Unit
01	Labour for lowering and stacking after dismanteling of RS Joists channel angle etc.	170.00	Qnl
02	Uprooting and removing plants from the surface of walls parapet etc and making good damages. (c) Large plant of girth of exposed stem above 150 mm. but not exceeding 225 mm. lift upto 6 mtr.	60.00	Each
03	Clearing compound premises of shurbs, plants, jungles etc. by cutting and removing as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). (Payment to be made on area cleared)	4910.00	m2
04	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed. (a) In ground floor including roof.	80.00	m3
05	Dismantling all types of masonry excepting cement concrete plain or reinforced, a) In ground floor including roof.	15.00	m3
06	Earth work in excavation of foundation trenches or drains, (a) Depth of excavation not exceeding 1,500 mm.	185.00	m3
07	Bailing or pumping out water from foundation trenches.	120.00	m3
08	Single Brick Flat Soling of picked jhama bricks including ramming and dressing (3rd Corrigenda & Addenda Page-1,SL-1)	115.00	m2
09	Ordinary Cement Concrete(mix 1:2:4)with graded stone chips(20mm nominal size) excluding shuttering & reinforcement. (As per Rate Analysis)	9.00	m3
10	Filling in foundation with silver sand.	24.00	m3
11	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound,	65.00	m3
12	Brick Work with 1st class bricks(1:4) in foundation and plinth. (3rd Corrigenda & Addenda Page-1,SL-3)	30.00	m3

13	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar.. (ii) With 1:4 cement mortar, (a) 20 mm thick plaster. (3rd Corrigenda & Addenda Page-50, SL-1)	50.00	m2
14	Hire and labour charges for shuttering with centering and necessary staging. (a) 25 mm to 30 mm thick wooden shuttering	90.00	m2
15	Ordinary Cement Concrete(mix 1:1.5:3)with graded stone chips(20mm nominal size) excluding shuttering & reinforcement. (As per Rate Analysis)	10.00	m3
16	Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size (ii) With approved concrete pump (As per Rate Analysis)	61.00	m3
17	Reinforcement for reinforced concrete work in all sorts of structures..(a) For works in foundation and upto roof of ground floor, (i) Tor steel/Mild Steel, (II). Other than SAIL/ TATA/RINL. (2nd Corrigenda & Addenda Page-02, SL-1)	4.20	MT
18	Welding in M.S. structural work with gas or electric: (a) Tack weld	360.00	nos
19	Applying acrylic emulsion paint of approved make.... Two Coats.	260.00	m2

*****END*****

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List of BOQ items

CIVIL WORKS INCLUDING EXCAVATION WORK, DISMANTLING WORK, RCC WORK, BACKFILLING WORK ETC FOR LIVE LOAD TEST ON NEW DESIGN 200 FT. SINGLE LANE 5.3 M MODULAR STEEL BRIDGE AT GRSE BELUR UNIT

SI No	Description of Item	Qty	Unit	Rate	Amount (Rs.)
1	Labour for lowering and stacking after dismantling of RS Joists channel angle etc.	170.00	Qnl		
2	Uprooting and removing plants from the surface of walls parapet etc and making good damages. (c) Large plant of girth of exposed stem above 150 mm. but not exceeding 225 mm. lift upto 6 mtr.	60.00	Each		
3	Clearing compound premises of shurbs, plants, jungles etc. by cutting and removing as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). (Payment to be made on area cleared)	4910.00	m2		
4	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed. (a) In ground floor including roof.	80.00	m3		
5	Dismantling all types of masonry excepting cement concrete plain or reinforced, a) In ground floor including roof.	15.00	m3		
6	Earth work in excavation of foundation trenches or drains, (a) Depth of excavation not exceeding 1,500 mm.	185.00	m3		
7	Bailing or pumping out water from foundation trenches.	120.00	m3		
8	Single Brick Flat Soling of picked jhama bricks including ramming and dressing (3rd Corrigenda & Addenda Page-1,SL-1)	115.00	m2		
9	Ordinary Cement Concrete(mix 1:2:4)with graded stone chips(20mm nominal size) excluding shuttering & reinforcement. (As per Rate Analysis)	9.00	m3		
10	Filling in foundation with silver sand.	24.00	m3		
11	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound,	65.00	m3		

12	Brick Work with 1st class bricks(1:4) in foundation and plinth. (3rd Corrigenda & Addenda Page-1,SL-3)	30.00	m3		
13	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar.. (ii) With 1:4 cement mortar, (a) 20 mm thick plaster. (3rd Corrigenda & Addenda Page-50, SL-1)	50.00	m2		
14	Hire and labour charges for shuttering with centering and necessary staging. (a) 25 mm to 30 mm thick wooden shuttering	90.00	m2		
15	Ordinary Cement Concrete(mix 1:1.5:3)with graded stone chips(20mm nominal size) excluding shuttering & reinforcement. (As per Rate Analysis)	10.00	m3		
16	Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size (ii) With approved concrete pump (As per Rate Analysis)	61.00	m3		
17	Reinforcement for reinforced concrete work in all sorts of structures..(a) For works in foundation and upto roof of ground floor, (i) Tor steel/Mild Steel, (II). Other than SAIL/ TATA/RINL. (2nd Corrigenda & Addenda Page-02, SL-1)	4.20	MT		
18	Welding in M.S. structural work with gas or electric: (a) Tack weld	360.00	nos		
19	Applying acrylic emulsion paint of approved make.... Two Coats.	260.00	m2		

FORMAT FOR EXECUTED RELEVANT JOBS TO JUSTIFY TECHNICAL ELIGIBILITY

- 1. **Name of the Bidder:**
- 2. **Job Description:**
- 3. **Tender Reference:**

Details of Executed relevant jobs:

Sl. No	Description of Executed relevant jobs	Order No. & Date (Supporting soft or, hard copy to be submitted)	Start & Completion date as per Order	Actual start date	Actual Completion Date	Order placed by	Value of Purchase order	Work completion certificate Ref. No. & date (Supporting soft or, hard copy to be submitted)
1								
2								
3								
4								
5								

Note: Please add additional pages if required

(Signature of Authorized Representative)

Date:

Name:

Designation:

FORMAT OF SELF-CERTIFICATION FOR DECLARATION REGARDING BLACKLISTING/ TENDER HOLIDAY

(To be submitted in Company's Letterhead)

I / We, Proprietor/ Partner(s)/ Director(s) of M/s. ----- hereby declare that our firm/company namely M/s.-----have neither been blacklisted nor have received any tender holiday by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations during last 03 (three) years ending on 30.04.2022 from taking part in Government tenders.

Or

I / We Proprietor/ Partner(s)/ Director(s) of M/s. ----- hereby declare that our firm/company namely M/s.-----has received tender holiday from M/s----- (name of PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations) from taking part in Government tenders for a period of ----- months w.e.f.-----to ----- (date). The period is over on ----- (date) and now our firm/company is entitled to take part in Government tenders. (relevant withdrawal/revocation document is attached).

In case the above information are found inappropriate, I/We are fully aware that the offer submitted by our firm / contract awarded to our firm/company namely M/s ----- will be rejected/cancelled by M/s GRSE, and EMD/SD shall be forfeited and appropriate action will be taken in accordance with the vendor policy of GRSE.

Signature -----

Name -----

Designation: -----

Name & address of the firm: -----

Date:

Signature of Bidder with Seal.

**CHECK LIST OF STATUTORY RESPONSIBILITY OF CONTRACTOR
THE CONTRACT LABOUR (R& A), ACT, 1970 AND CENTRAL RULES, 1971**

SL. NO.	NATURE OF STATUTORY REQUIREMENTS	FORM NO.	RESPONSIBILITY	REMARKS
01	Labour License	Form –II	Contractor	Contractors engaging 20 or more contract labours would apply for obtaining labour license (in triplicate) to the ALC (C), Kolkata. A copy of the license should be submitted to concerned Unit HR Department. <i>Note:</i> The Contractor cannot deploy more than the number of workmen mentioned in the license on any day.
02	Renewal of labour license	Form –II	Contractor	The contractor shall apply to the ALC(C), Kolkata for renewal of license at least 30 days prior to its expiry. A copy of the acknowledgement / renewed license should be submitted to concerned Unit HR Department.
03	Notice for commencement / completion of work	Form-VII	Contractor / Principal Employer	The contractor shall submit Form – VII to the Inspector / Labour Enforcement Officer (C), Kolkata within 15 days intimating the actual date of commencement / completion of the work. The receipted copy of Form – VII should be submitted to concerned Unit HR Department.
MAINTENANCE OF REGISTERS				
04	Employee Register	FORM – A	Contractor	Comprising of personal details like name, father's name, DOB, Address etc. of the workmen engaged by the contractor.
05	Wages Payment Register	FORM – B	Contractor	Comprising of current rate of minimum wages, employees PF & ESI contribution and other allowances, if any.
06	Register of Loan / Recoveries / Fines etc.	FORM – C	Contractor	To maintain record of loans, fines and advances given, if any and monthly record of recoveries.
07	Attendance Registers	FORM – D	Contractor	Data of daily attendance of each workmen engaged by the contractor indicating their in and out time.

SL. NO.	NATURE OF STATUTORY REQUIREMENTS	FORM NO.	RESPONSIBILITY	REMARKS
08	Employment Card	Form – XII	Contractor	Every contractor shall issue employment card / appointment letter to their contract workers within 03 days from their date of employment.
09	Service Certificate	Form – VIII	Contractor	To be issued by the contractor upon termination of employment / completion of work etc.
10	Wage-slip	Form – XIX	Contractor	Contractors shall issue wage-slip to their workmen at least 01 day prior to disbursement of wages.
11	Annual Return	Online Submission	Contractor	Every Contractors shall prepare Annual Return for the previous year which is submitted online by the Contractors' in <i>Shram Suvidha</i> Portal to the Registering Officer within 31st Jan of the following year.

**CHECK LIST OF STATUTORY RESPONSIBILITY OF CONTRACTOR
COMPLIANCE OF OTHER STATUES FOR ENGAGEMENT OF CONTRACTORS' WORKMEN**

Sl. No.	Relevant Statues	Responsibility	Compliances to be ensured as per the Statute
01	The Factories Act, 1948 & West Bengal Factories Rules, 1958	Contractor	<p>1. <u>Leave with Wages</u>: Every worker who has worked for a period of 240 days or more is entitled to get leave with wages to be calculated one day for every 20 days of work performed by him.</p> <p>2. <u>Payment of Overtime</u>: Where a worker has worked for more than 09 hours in any day or for more than 48 hours in a week, he shall, in respect of overtime work, be entitled to wages twice the hourly rate.</p> <p>3. <u>Hours of Work</u>: The total nos. of hours of work in a week, including overtime, shall not exceed sixty.</p> <p>4. <u>Hours of Overtime</u>: The total hours of overtime shall not exceed fifty in any quarter i.e. during three consecutive months for any worker.</p>
02	Payment of Wages Act, 1936	Contractor	Contractors (employer) engaging less than 1,000 persons have to pay wages before expiry of the 7th day after the last day of wage period.
03	The Minimum Wages Act, 1948	Contractor	Contractors (employer) shall pay minimum wages to every worker as per the Central rates circulated by the Management from time to time.
04	The EPF & MP Act, 1952	Contractor	<p>1. Every contractor shall obtain the following before commencement of work:</p> <p>(a) PF Code No. of the firm.</p> <p>(b) PF UAN i.r.o of the workmen engaged by him.</p> <p>(c) Ensure submission of nominee and dependent details while applying for UAN of workmen.</p>
		Contractor	<p>2. Every contractor shall contribute towards PF @ 12% of the monthly wages of each workman as employer's share and recover 12% of monthly wages from each employee, as employees share and thereafter remit the entire amount to EPFO i.r.o every workman engaged by him. The contribution for the preceding month should be remitted prior to expiry of the 15th day of the following month. Contractors (Employers) are also required to bear the administrative charges as applicable.</p>

Sl. No.	Relevant Statues	Responsibility	Compliances to be ensured as per the Statute
05	The ESI Act, 1948	Contractor	1. Every contractor shall obtain the following: a) ESI Code No. of the firm (b) ESI code no. i.r.o of the workmen engaged by him (c) Ensure submission of nominee and dependent details while applying for ESI TIC (E-Pehchan Card).
		Contractor	2. Every contractor shall remit ESI contribution (employers' share @ 3.25% and employees' share @ 0.75%) i.r.o every workman engaged by him for the preceding month prior to expiry of the 15th day of the following month.
06	The Payment of Bonus Act 1965 & Rules	Contractor	1. Contractors shall pay annual bonus to their workmen (Contract Labour) drawing wages below and upto Rs. 21,000/- per month. Bonus will be payable minimum @ 8.33% and maximum @ 20% of annual wages.
		Contractor	2. Register in Form - C format {Rule 4(b)} of 'The Payment of Bonus Act, 1965' is to be maintained by the contractor for submission of Annual Return as per the Act.

**RESPONSIBILITIES OF CONTRACTORS OVER AND
ABOVE THE STATUTORY REQUIREMENTS**

- (i) Contractors shall take all necessary steps for disbursement of wages through bank-transfer and issue a payment notice at least 02 days prior to such bank-transfer for information of respective unit HR Dept. as well his workers. (should be incorporated in the contract document in the Payment Terms).
- (ii) All contractors should obtain labour-licenses prior to commencement of work. Principal Employer shall not allow any contractor without license.
- (iii) All outsourced jobs are required to be supervised by a Supervisor duly appointed by the Contractor. The contractor should declare the name and contact number of the supervisor(s) against each P.O before commencement of work and submit the details of the supervisor(s) to the respective unit HR Department. He should keep adequate nos. of supervisors to supervise and co-ordinate the execution of job by contract labours. (The principal employer must check that the name and number of the supervisor which has been provided by the contractor, whether the same person is coming as the said supervisor).
- (iv) The supervisor's name should not be mentioned in the employee register as he is not a contract labour.
- (v) Supervisor of concerned contractor should be present in the work-site where the contract labours of the concerned contractor are supposed to work. To ensure the presence of the supervisor, their attendance may be recorded by the user department on daily basis.
- (vi) Contractor should mention the name of his Supervisor / agent / manager in Form-II which is to be submitted to ALC (C) for obtaining labour license.
- (vii) The supervisor should maintain the attendance register of their contract labours (Form-D) which may be randomly checked by the Officers of the user department. This attendance register will be submitted by the contractors on monthly basis along with the wages-payment registers to the respective unit HR Depts. for obtaining certification of payment of wages to each contractor labour based on their daily / monthly attendances.
- (viii) Contractors must submit details of their firms in the Appendix B1 format prior to commencement of work. They must also submit details of their contract labours in B2 formats for making new gate-passes for the purpose of entry / exit prior to the engagement of such contract labour.

CHECK LIST FOR BILL SUBMISSION - for Service Contracts			
A.	GENERAL PARTICULARS: (to be checked and submitted by Contractor/Vendor)		
A.1	BTN (as per BTS System):-		
A.2	Invoice No and date / E-Invoice No. & Date (if applicable for the vendor) (Original & in triplicate)		
A.3	PO Number		
A.4	Name of Vendor		
A.5	Location of work :	MW / RBD/ FOJ/ TU / 61Park/Vendor's premises	
I. For RA Bill (Running/Progressive bill) (Put ✓ Mark)		YES	NO
A.6	PO Number and date verified with Invoice:		
A.7	Vendor Name & Address in Invoice verified with Purchase Order:		
A.8	Vendor Code as in PO verified with Invoice:		
A.9	Original certified WDC enclosed :		
A.10	Whether WDC is Certified by the Authorized Person as per PO / SOTR with Rubber Stamp		
A.12	HSN/SAC code is as per PO		
A.13	GSTIN No. is as per PO		
A.14	GST % is as per PO		
A.15	Security Deposit (SD) submitted as per PO		
A.16	PBG of equivalent amount submitted, as per PO		
A.17	Compliance of Statutory Liabilities of labour as per PO		
II. Applicable for Final/Balance Bill (Put ✓ Mark)			
A.20	Certified Job Completion Certificate (JCC) enclosed		
A.21	MRS as per PO terms enclosed (If applicable)		
A.22	Guarantee Period (GP) expired as per PO term		
A.23	PBG of equivalent amount submitted, if GP is not over (If Yes, copy to enclose with the bill)		

Signature of Vendor's representative
with Seal/Stamp

Note: Transaction fee of Rs. 500.00 for first return & Rs. 1000.00 for subsequent return of bill with inappropriate documents will be charged.

CHECK LIST FOR BILL SUBMISSION - for Service Contracts				
For GRSE Use Only				
B.	To be checked and verified by Bill certifying authority (Put ✓ Mark)	YES	NO	NA
B.1	Whether Bill has been forwarded through BTS			
B.2	Whether WDC is Certified by the Authorized Person as per PO / SOTR with Rubber Stamp			
B.3	Job starting & Completion Date (Schedule & Actual) indicated in WDC			
B.4	Certification of Penalty/ Recovery from bill indicated in WDC, if applicable			
B.5	Whether Bill is Certified by the Authorized Person as per PO / SOTR with Rubber Stamp			
B.6	Certification of Penalty/ Recovery from bill as per WDC, if applicable			
B.7	Service Entry Sheet(SES)/GR in line with WDC, PO & Invoice			
	For Final/Balance Bill (Put ✓ Mark)			
B.8	Certified MRS copy as per PO terms enclosed (If applicable)			
B.9	Guarantee Period (GP) expired as per PO term and JCC			
B.10	PBG copy of equivalent amount till GP validity enclosed(if GP is not over)			

Signature of GRSE Bill Certifying Authority
with Designation