



GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED
गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
(A GOVERNMENT OF INDIA UNDERTAKING)
(भारत सरकार का प्रतिष्ठान)

Registered & Corporate Office Address: GRSE Bhavan, 61, Garden Reach Road, Kolkata – 700 024
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CIN सी आई एन: L35111WB1934GOI007891

NOTICE INVITING TENDER (NIT)

निविदा आमंत्रण सूचना

Garden Reach Shipbuilders & Engineers Limited, a **leading Warship Builder and Engineering Product Company**, invites interested, reputed, resourceful and financially solvent contractors 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/AKD/OT/APT/SWC/015/ET-2011	Dated: 12/09/2023
Job Title कार्य का नाम:	BIENNIAL RATE CONTRACT FOR WPT, APT, HOSE TEST OF TANKS & COMPARTMENTS AND CLUSTER APT FOR ASW SWC SHIPS	
Location for Execution	At GRSE MW / FOJ / RBD and / or KPDD	
Tender issuing Dept. बिभाग द्वारा जारी:	Contract Cell (संविदा बिभाग)	

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

SCHEDULE सारणी		
Bid submission Starting Date निविदा जमा करने की प्रारंभिक तिथि	26/09/2023	10:00 hrs.
Bid submission Closing Date निविदा जमा की अंतिम तिथि	03/10/2023	12:00 hrs.
Tender Opening Date (Part I) निविदा खुलने की तिथि (तकनीकी- वाणिज्यिकबोली भाग-I)	04/10/2023	14:00 hrs.
Offer Validity Period minimum ऑफर की नियुक्तम वैधता अवधि	90 days from date of opening of Tender (Part – I)	



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

आवश्यकता:

FEES / DEPOSITS	
Tender Fee (refer clause 03 of STAC) निविदा प्रपत्र 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 1,92,000/-
Security Deposit (SD) प्रतिभूति	5% of individual Work Order Value (inclusive of GST)
Liquidated Damages परिनिर्धारित नुकसान	0.5% per week, Max 5% of unexecuted job
Billing Frequency बिल करने की अवधी	Monthly Progressive basis
Evaluation of L1 एल1 का मूल्यांकन	In Totality Basis

Note: a) Bidders are required to submit EMD amount as Bid Security against this tender. 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.

b) MSE/NSIC registered firms having the tendered service listed in their MSE document will be eligible for exemption from submitting the Tender Fee & EMD. MSE Registered Firms has to be submit Bid Security Declaration In lieu of Earnest Money Deposit as per format at Annexure-17. Non-submission of EMD /Bid Security Declaration and valid MSE certificate may lead to offer rejection.



ARTICLE 3 अनुच्छेद-3: ANNEXURES ENCLOSED FORMING PART OF THIS e-TENDER ई-निविदा अंतर्गत संलग्नित परिच्छेद: Please find all enclosures as indicated below in GRSE website by clicking the link <https://www.grse.in/enclosures-related-to-the-tenders-of-sub-contracting-activities/>

Annexure 1 संलग्नक-1	Statement of Technical Requirement (SOTR) (attached with NIT)
Annexure 2 संलग्नक-2	GRSE Standard Terms and Conditions (STAC) (please refer www.grse.in)
Annexure 3 संलग्नक-3	Format for Technical Eligibility Criteria (attached with NIT)
Annexure 4 संलग्नक-4	Format for Self-Certification for not having blacklisted /not received any tender holiday (attached with NIT)
Annexure 5 संलग्नक-5	Fire & Safety Guidelines (please refer www.grse.in)
Annexure 6 संलग्नक-6	Special condition of contract (please refer www.grse.in)
Annexure 7 संलग्नक-7	Contractors Responsibility (please refer www.grse.in)
Annexure 8 संलग्नक-8	General Requirement (please refer www.grse.in)
Annexure 9 संलग्नक-9	Check List for Bill Submission (attached with NIT)
Annexure 10 संलग्नक-10	PF, ESI declaration form (please refer www.grse.in)
Annexure 11 संलग्नक-11	Format for - Bank Guarantee Format for SD (please refer www.grse.in)
Annexure 12 संलग्नक-12	Format for - Bank Guarantee Format for PBG (please refer www.grse.in)
Annexure 13 संलग्नक-13	Format for - Bank Guarantee for EMD (please refer www.grse.in)
Annexure 14 संलग्नक-14	Check List of Statutory Responsibility of Contractor within GRSE (attached with NIT)
Annexure 15 संलग्नक-15	Format for Bid Security Declaration(attached with NIT)



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		
SL	DESCRIPTION	
1	DD or MSE/NSIC certificate towards exemption of tender fee	Yes
2	DD/BG or MSE/NSIC certificate & Bid Security Declaration towards exemption of EMD	Yes
3	Technical Acceptance format as available with NIT after being downloaded and filled up	Yes
4	Commercial Acceptance Format as available with NIT after being downloaded and filled up	Yes
5	Documents meeting the Technical Eligibility Criteria as per format at Annexure 3	Yes
6	Self-certification for not having blacklisted /not received any tender holiday as per format at Annexure 4	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	Copies of registration with PF, ESI authorities/ / last challans etc.	Yes
10	Government E-Market Place (GeM) registration certificate with Unique GeM Seller ID	Yes

- a. In case of non-submission of documents as mentioned above, the bidder is liable to be considered as disqualified.
- b. The Bidders has to submit ink signed hard copy of all above documents within 03 days from opening of Part I bid.
- c. Registered Vendors with GRSE need not upload documents at Sl. 7 above, if valid documents already submitted / available with GRSE Vendor Registration Cell.
- d. Bidders have to indicate Unique GeM Seller ID in COMMERCIAL MATRIX or prior to opening of price bids, failing which price bid of the bidder will not to be opened for further processing.



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>

Note: Above mentioned original Negotiable Instruments as stipulated, to reach to **GM (CC & VD)**, Contract Cell, Commercial Department, New Building complex, 1st Floor, GRSE Main Unit, 43/46, Garden Reach Road, Kolkata-700 024 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

(A) Tenure of Contract संविदा कार्यकाल- Initially, the rate contract shall be established for a period of **02 (Two) Years** from the date of commencement. The contract period may be extended for a further period of maximum 01 year at the same rate, terms & conditions as per requirement of GRSE production schedule. Similarly, the Contract period may be reduced as per GRSE discretion. **The job is required to be carried out for 04 ASW SWC Ships.**

(B) Mobilisation Period लामबंदी अवधी- 03 days from the date of placement of LOA/PO.

(C) Job Starting Date / Job Completion Schedule कार्य आरम्भ तिथी/ कार्य समाप्ती तिथी - Job has to be started as per instruction of PL of respective Ship / Engineer-In-Charge/Nominated Officer of GRSE. APT/WPT of Tanks is to be started within 03 days from job starting date and Air/water hose test is to be started within 02 days from job starting date. Each cluster test has to be completed within 10 days from the starting of the job.

(D) Place of Work: GRSE MW / FOJ / RBD and / or KOPT



ARTICLE 7 अनुच्छेद-7: JOB EXECUTION कार्य निष्पादन -

Job is to be carried out strictly as per SOTR (SOR No: SOR/H&HOF/3033-36/01 (R1)) at Annexure-1, Drawings, GRSE requirement and in case of doubt, instructions of the Engineer-in-charge/ PL OR their nominated representative are to be followed.

The Contractor shall maintain a record/register against the material supplied by GRSE to them, indicating the quantity received and installed. The records shall be submitted by the Contractor monthly to the Engineer In-Charge / PL or his nominated representative for review and authentication. The Contractor shall prepare and submit a reconciliation document every month and the same shall be duly certified by Engineer In-Charge / PL or his nominated representative. Balance unused materials, if any have to be returned to GRSE by the contractor on completion or termination of the contract.

ARTICLE 8 अनुच्छेद-8: GURANTEE & WARRANTY गारंटी एवं वारंटी - Not Applicable

ARTICLE 9 अनुच्छेद-9: PRICE मूल्य -

Price quoted will be firm and fixed till the tenure of the contract of two (02) years. Price is to be quoted with all taxes & duties except GST. GST is to be indicated separately in the Price Bid and will be paid extra as per ruling rate. No escalation whatsoever will be considered under any circumstances within the valid tenure of contract.

ARTICLE 10 अनुच्छेद-10: ESCALATION मूल्य वृद्धी - 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 analysed w.r.t tender requirement and if the L1 bidder fails to justify their quoted rate, the obtained L1 quote will be rejected and punitive action will be taken in line with the provision as per GRSE Vendor Policy.
- iii) If the justification is acceptable to GRSE, then the bidder has to submit Bank Guarantee of 10% of the total Contract value (inclusive of GST) in addition to the Security Deposit (SD) and Performance Bank Guarantee (PBG) for execution of the job till satisfactory completion of entire contract. There shall be no exemption / relaxation for the Guarantee against unreasonable quote. In case of breach of contract GRSE shall reserve the right to invoke the BG and may impose tender holiday for a period as per GRSE Vendor policy.

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

Offer is to 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 (Annexure 1) will not be accepted.

ARTICLE 14 अनुच्छेद-14: DETERMINATION OF L1 एल-1 का चयन -
L1 bidder will be decided on **Totality** Basis based on the tendered quantity indicated in the **Price Bid**.

ARTICLE 15 अनुच्छेद-15: BOQ बी ओ क्यू -

The quantity mentioned in the Price Bid is tentative and it may vary according to actual requirement of job during the period of rate contract. The selected Bidder has to execute the required quantity of 04 Ships at same rate and Terms & Conditions up to variation of **300%** in addition to the initial quantity for individual items and the total job value may be increased up to **100%** in addition of initial total job value. Similarly, the quantity of individual items as well as total job value may be reduced also as per GRSE project requirement. Necessary amendment of the Purchase Orders will be issued accordingly. The contractors will be loaded according to GRSE project requirement.

The detailed BOQ considering **04 Ships** is detailed below:

SI No.	Item Description	Unit of Measure	Quantity/Ship	Total Quantity for 04 Ships
a)	Air/Water Pressure Test of Tanks	M3	220	880
b)	Air Hose Test	M	1500	6000
c)	Water Hose Test	M	500	2000
d)	Cluster Test	M3	1500	6000

Note: a) M3: Cubic Meter b) M: Meter

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 further processing.

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

- The 'Public Procurement Policy for Micro & Small Enterprises (MSEs) Order, 2012' and subsequent amendments / guidelines / press publications / circulars to the Order, as issued by the Ministry of MSME, shall be applicable as on the date of opening of the price bids.
- The bidders are advised to check the website of the Ministry of MSME for details of the amendments / circulars issued by the Ministry of MSME.



ARTICLE 18 अनुच्छेद-18: ASSESSMENT OF VENDORS AND DISTRIBUTION OF JOBS TO MULTIPLE BIDDER विक्रेताओं का आंकलन एवं विविध बोली लगाने वालों में कार्य वितरण -

- i. Selection of vendor: A pool of Techno-commercially cleared vendor will be created through negotiation based on the submitted documents against the tender. Price bids of those qualified vendors will be opened.
- ii. Establishment of rate: After opening of price bids and finalization of price with L1 bidder through negotiation (if required), the established rate will be offered to qualified bidders chronologically (L2 / L3 / L4 & so on). The vendors who are interested for the job have to accept the L1 rates for execution of the job.
- iii. Distribution of job:
 - a) GRSE Ltd. at its discretion intends to distribute the total job among 03 (Three) parallel contractors as per their chronological ranking (L1, L2, L3, L4 & so on) depending on the requirement of GRSE during the tenure of the rate contract.
 - b) The total job for four (04) Ships will be distributed among **three** vendors. The L1 vendor will be awarded the job for **02 (two) Ships** and subsequently the next 02 bidders (L2/L3/L4) will be engaged chronologically for the remaining two ships.
 - c) In case only 02 qualified bidder (L1 & L2) exists, then L1 bidder will be loaded with **03 Ships** & L2 bidder will be loaded with the remaining **01 Ship**.
 - d) In case the L2/ L3/ L4 or subsequent bidder does not accept the L1 rate, the job of remaining **02 (two) Ships** will be loaded on the L1 bidder.
 - e) In case of Resultant Single Vendor Situation, the job of all **04 Ships** will be loaded on the L1 bidder

Note:

- a) Individual Work Order will be issued Ship wise.
- b) The loading of the job will be purely based on GRSE requirement and performance of the vendor. If the performance is not satisfactory, then the job allotted will be withdrawn and will be distributed to other available vendors as per discretion of GRSE. No claim from individual vendors will be accepted.

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

- a. **Technical Criteria तकनीकी मापदंड - As per SOR No: SOR/H&HOF/3033-36/01 (R1) at Annexure-1.**

Supporting documents meeting Technical Eligibility Criteria as detailed in SOTR to be submitted along with the Part-I bid.

(Documents mentioned in above clauses to be submitted with Techno-commercial bid without which no submitted offer will be considered for processing of tender).



b. Financial Eligibility Criteria वित्तीय मापदंड -

1. The bidder should give self-certification (as per **Annexure-4**) that they have neither been Blacklisted nor, have received any tender holiday from any PSUs'/DPSUs'/Central & State Govt. Organizations PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations during last 03 (three) years ending on **31st August 2023**. 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-5**, the bidder will be treated as non-responsive and their offer will be rejected.

(Documents mentioned in above clauses to be submitted with Techno-commercial bid without which no submitted offer will be considered for processing of tender).

- c. Requisite formats attached with NIT as Annexures 3, 4 & 5 of Article 3 to be filled up in support of above technical and financial eligibility criteria.

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 regarding:
 - (i) The materials (if any) which are to be furnished by vendor for the work.
 - (ii) The work which is to be performed by the vendor.
 - (iii) Actual considerations made by bidder to complete all work.
 - (iv) To comply with conditions specified in the Bid Document.
2. Any qualified deficiency, errors, discrepancies, omissions, ambiguities or conflicts in the Bid Documents, or if 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 or, 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.

GRSE also reserves the right to reject any or, 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.

4. General Contractors assumes all safety related responsibility 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.
5. Bidders objecting on any grounds to any bid specification or legal requirements imposed by these bidding documents shall provide written notice to GRSE within 10 calendar day from the day bid document was made available to public. Failure of a bidder to object in the manner set forth in this paragraph shall constitute and irrevocable waiver of any such objection.
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%. As a part of National Mission of *Swachh Bharat*, GRSE has adopted *Swachh GRSE* and maintaining cleanliness of work area is an essential pre-requisite.
10. Bidder has to declare in what capacity he is participating in the tender viz. a PSU, Limited Co, Pvt. Ltd. Co., Sole Proprietorship Organization, Partnership firm, Joint Venture, etc. Supporting documents (scanned copy) confirming such status to be scanned and 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 prior to submission of offer.:

a. Any query/difficulty in understanding of SOTR or other technical Terms may be got clarified from **Mr. Shuvendu Ghosh, SM (PL-3035), Mobile No. 91633 31711, e-mail: Ghosh.Shuvendu@grse.co.in**

b. Any query/difficulty in understanding of Commercial Terms may be got clarified from and **Mr. Ashim Kumar Dey, SM (Contract)/ Main Unit, Mobile No. 75960 23717, e-mail: Dey.Ashimkumar@grse.co.in** prior to submission of offer.

b. Any difficulty in submitting / uploading of e-tender or for any system help **Mr. Saraswata Palit, SM (GRSE E-PROCUREMENT), e-mail/ Palit.Saraswata@grse.co.in** / GRSE Service Provider M/s. NIC personnel may be contacted [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 GRSE E-Procurement portal <https://eprocurgrse.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-I (Techno-Commercial) bid documents along with all attachments in E-Procurement portal <https://eprocurgrse.co.in> ; Central Public Procurement Portal <https://eprocur.gov.in/cppp/> and GRSE website <http://www.grse.in/index.php/tender.html> 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 Excel Template 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.
- j. GRSE will follow the guidelines & directives as promulgated by GOI post COVID 19 pandemic outbreak. All the qualified bidders have to quote considering the same accordingly.

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

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

1. 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.
2. Incomplete / Incorrect/ misleading / ambiguous bid in the considered opinion of the Technical Negotiation Committee (TNC)/Commercial Negotiation Committee (CNC) of GRSE.
3. Bid with technical requirements and/or terms not acceptable to GRSE / Customers / External agency nominated, as applicable.
4. Bid received without qualification documents, where required as per the tender.
5. Bid not meeting the pre-qualification parameters / criteria stipulated in the Tender Enquiry.
6. Bid with validity expiry date shorter than that specified in the Tender Enquiry.
7. EMD validity period is shorter than specified in the Tender Enquiry.



8. Bidders have indicated / attached / shown any price anywhere else other than as per provision in e-portal [Art.21 (d)], then offer will be treated as cancelled.
9. Bidders who have not agreed for the fixed price till the validity of the tender or have quoted the variable price.
10. Bidder not agreeing for furnishing of the required Security Deposit (SD).
11. Bidders not submitting Original instrument of EMD within 7 GRSE working days from the tender closing date.
12. Bidder submitted false/incorrect documents etc.
13. Bidders who have submitted **PRICE** along with Techno-Commercial Bid.

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

i. **Security Deposit प्रतिभूति जमा -**

Interest free refundable Security Deposit of **5%** of individual work order value (inclusive of GST) is to be deposited in the manner elaborated at clause 05 of STAC.

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

Work done certificate will be issued by PL of respective Ship or his authorized representative based on inspection report as applicable.

W.D.C. is to include whether work has been completed as per delivery schedule or with delay [in days/weeks specified therein]. 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 on monthly progressive basis. Bills are to be submitted considering the Checklist for Bill Submission at **Annexure 9** along with supporting document (Work Done Certificate Copy etc.) 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. For Ship related Service Bill, the Name of the person to be mentioned on sealed envelope will be the Bill certifying officer, Project Leader of respective ships OR, his nominated officer.

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 100% bill amount with full GST will be paid on **Monthly progressive** basis within 30 days of receipt of bill duly certified by Bill Certifying Authority & supported with satisfactory Work Done Certificate duly certified by WDC certifying Authority. Amount recoverable from contractor, if any, is to be adjusted from the Bill as per certification of Bill Certifying Authority. Moreover, release of payment is subject to clearance of ESI / P.F. and other labour related mandatory liabilities of the Contractor.
- b. Payment will be made on actual certification basis.
- c. **Bill Certifying Authority:** CGM/GM/AGM of respective Unit /PL of respective ships/their nominated representative.

v. **Liquidated Damages (निर्णित 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. **Contractor's Safety Personnel (संविदाकार के बचाव कर्मचारी):** One fully specialist and certified Safety Personnel has to be posted at the site during progress of work. The responsibility of the safety personnel is to supervise and monitor the site safety obligations of all work places and to comply all laid down Fire & Safety Rules of GRSE. He also ensures all workmen working under the sub-contractor at site are made aware of and comply with all the safety norms.



viii. **Fire & Safety Precautions (for working inside GRSE): -**

The Vendor/Contractor shall abide by the Safety regulations/rules of the GRSE as detailed in Fire & Safety Guidelines (please refer www.grse.in). You should take all safety precautions and provide adequate supervision & control for your workmen in order to carry out the job safely. In case of any violation of safety precaution and none using of safety equipment, Contractor shall be liable for a penalty which is detailed in Fire and safety Guideline. Penalty amount depends on the type and frequency of violation mentioned in the safety guideline and the same will be deducted from the defaulter's bill.

- ix. **Mandatory use of ISI marked PPE by Contractor Employees:** The Contractor shall ensure the use of ISI marked PPE by their engaged Employees. An indicative list of ISI marked Personal Protective Equipment, is appended below for mandatory compliance by the vendors without any deviation:

LIST OF PPES

Sl. No.	Name of PPE	Standard
(a)	Safety Helmet	IS: 2925 / EN 397.
(b)	Safety Footwear	IS 15298 / EN ISO 20345
(c)	Safety Goggles	ANSI Z87.1 / EN166.
(d)	Ear Plug	IS: 9167/ EN 352
(e)	Hand Gloves	(i) IS 4770 for electrical work (ii) EN 420 for general requirement (iii) EN 388 for mechanical hazard (iv) IS:6994 / EN 407 for heat applications (gas cutting / welding).
(f)	Welding Fume Respirator & Dust mask	IS: 9473 / EN: 149
(g)	Double lanyard Safety Belt & harness, automatic fall arrestor	IS: 3521
(h)	Cotton Boiler Suit Cloth	IS: 177 - 1989 (Amended up to date), Variety 3

Note: Apart from the above-mentioned PPE, vendors may consider any other type of standardized PPE as per job requirement, in consultation with GRSE Safety Department.



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: CONTRACT WORKMAN WAGE PAYMENT: -

- a. Contractor is liable for payment of PF, ESI to their engaged workmen and for other labour oriented mandatory liabilities as applicable for the job.
- b. The Contractor has to comply with the minimum wages & statutory liabilities (as revised time to time) of the engaged manpower applicable for the job.
- a. Payment of wages to the contractor's employee should be made through individual bank account on monthly basis instead of cash payment. PF-UAN activation of all the contractor's employee/workmen is mandatory. Vendors are to comply all statutory provisions for disbursing payment to their workmen/employees.

ARTICLE 26 अनुच्छेद 26: STATUTORY RESPONSIBILITY OF CONTRACTOR DEPLOYING THEIR WORKMEN INSIDE GRSE PREMISES – AS PER ANNEXURE-14.

Ashim Kumar Dey
Senior Manager (Contract)
Garden Reach Shipbuilders & Engineers Limited
43/46, Garden Reach Road, Kolkata – 700 024
Email ID: dey.ashimkumar@grse.co.in
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Annexure-1	
 GRSE LTD.	TECHNICAL SPECIFICATION FOR WPT, APT, HOSE TEST OF TANKS & COMPARTMENTS AND CLUSTER APT (PROJECT ASW SWC)
YARD NOS: 3033-36	SOR No. SOR/H&HOF/3033-36/01 (R1) SHEET: Page 1 of 9
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1. INTENT

This is the intent of GRSE to conduct Pressure Test of Tanks and Cluster of Compartments on Yard-3033-36. The guiding dates towards assessment of timelines of work is as follows:

SI	Yard	Start Date	End Date
(a)	3033	Oct 23	Jun 25
(b)	3034	Jan 24	Dec 25
(c)	3035	Oct 23	Aug 24
(d)	3036	Oct 23	Jun 25

2. PRE-QUALIFICATION CRITERIA

a) **Experience:** Vendor should have experience of having successfully completed works of undertaking *Compartment/Tank Pressure testing / Cluster test / Citadel/HVAC trunking pressure test* in any sea going vessel in any shipyard/ship repair yard. Vendor should have above experience in last 03 years ending on 31st August 2023. PO with supporting WDC to be presented by the bidder during TNC meeting.

And

b) **Skilled/Experienced Manpower:** The Vendor must have its own team of full-time employees on its own payroll (ESI/EPF) experienced and qualified with shipbuilding experience (in last 12 months ending on 31st Aug 2023):


- i. One qualified Site Engineer/ Project manager per ship to supervise for each PO having Diploma in Mechanical / civil with past experience in ship building.
- ii. One qualified Quality supervisor with past experience in ship building.
- iii. One qualified safety personnel with past experience in ship building.
- iv. Experienced fitter (Min-04 heads)
- v. Gas cutter & Grinder (Min-02 heads)
- vi. Qualified DMR – 249A steel welders (Min-04 heads)

3. SCOPE OF WORK

- a) Water Pressure test, Air pressure test amounting to 220 Cu Mtr Approx. Hose Test (with Air/water) (2000 sqm), Cluster test on board yard-3033-36 as per testing plan amounting to 1500 Cu Mtr Approx, consisting of 15 Clusters per ship.
- b) During work execution, only the assigned person after confirmation of PL will be engaged for this work.

3.1 WATER TESTING: -


- a) Water testing is to be done after completion of all structural work & other fitting which affect the watertight integrity of the structure. However, subsequent to the water pressure test, if any hot work is carried out in to the compartment/tank. Tank/compartment needs to be air tested again.
- b) In compartment containing rudderstocks, stabilizers & sonar gear the seating for theses for these should be in place, before the test. The openings in way of the seating are to be blanked off by bolted or welded cover plates.
- c) Water pressure testing is to be done by filling the compartments with fresh water to a pressure & duration indicating in drawing. Without any sign of leakage when chalk tested etc.

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- d) The water testing of all plating to be lined or covered with any material is to be completed before the covering is worked & before metal spraying or any special preparation required for painting is applied.
- e) All surfaces in the compartment or tank to be tested are to be coated with shop primer only.
- f) The testing of watertight doors, hatches & similar fittings is to be carried out so that the pressure tends to force them off their seating.
- g) Any temporary means for closing openings such as venting plates, hoists etc., which may be necessary for the purpose of the water testing are to be provided and fitted.
- h) All scupper, soil & urinal pipes, air pipes to oil fuel tanks, feed tanks & fresh water tanks are to be tested in place by filling them with water.
- i) Compartments are to be emptied of water without the use of drain holes. Drain holes through the outer bottom are not permitted. Tank water not getting removed by pumping is to be removed by manually.
- j) The drain holes are to be closed by screwed drain plugs. The plug is to have a fine thread 7 be of bright finish. It is to be a tight fit in the hole all the way. The plug is not to be dipped in red lead or similar solution before insertion. Closing of these holes are to be separately proved for their water tightness by DP testing of welding.
- k) When complete with all fittings & finally cleaned & painted, watertight & oil tight structure is to be carefully surveyed & proved to the overseer / QA.
- l) When water testing, an air escape cock is to be fitted in the highest point of crown of the compartment. The indicator test plug can be used or adopted for this purpose.
- m) Any temporary arrangement to facilitate the test has to be fabricated/ arranged by the sub-contractor.
- n) Hose/ Pipe used for filling & air escape of the tanks' testing will be arranged by the sub-contractor.
- o) Removal of paint from the boundaries/ welds are to be carried out by the sub-contractor.

3.2 AIR TESTING

- a) Air testing is to be done for compartment as indicated in testing plan.
- b) Testing procedure is to be as follows,
 - i. A test pressure of 0.14 kg/cm². (1379 mm of water head) is to be applied to identify defective areas.
 - ii. When all leaks on the boundaries have been rectify, the pressure is to be adjusted to 150mm of water head and the air supply is to be cut off. The fall in pressure after 10 minutes in not to be greater than 12mm of water gauge.
 - iii. In the allowable drop of 12mm from 150mm of water head in 10 minutes is executed, further search must be made for leaks and the defects are to be rectified. The compartments are to be tested until this standard has been achieved.
- c) The compartments are to be tested on completion of all work that would affect the watertight integrity of the structure.
- d) The air test is to be carried out in stages:
- e) A preliminary air test to detect leaks.
- f) A final test to confirm watertight integrity.
- g) The preliminary air test is to be conducted when structural work is complete but before the compartments are fitted out.
- h) The air testing of all plating to be lined, or covered with any material is to be completed before the covering is worked.
- i) Any temporary means for closing hatches and other holes in decks and bulkheads which may be necessary for the purpose of air testing are to be provided.
- j) Only U-tubes are to be used for recording air pressure. The result of the air tests is to be recorded in form.

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- k) A final air test in to be carried out shortly before completion of the ship, for all compartments indicated in drawing. The [procedure for this test is same as in para (2) above. This test will be repeated if any hot work is carried out thereafter.
- l) Compartments such as main machinery space are to be tested by the air pressure test of adjacent spaces. Kerosene tests are to be used if permitted by GRSE.
- m) Removal of paint from the boundaries/ welds are to be carried out by the sub-contractor.
- n) Temporary fitting to facilitate the test are to be fabricated / arranged by the sub-contractor.

3.3 HOSE TEST (with air)

Hose test with air is carried out for the structural boundaries (weld lines) of compartments, including super structure. Also, all the WT/GT penetrations are to be individually hose tested with air. The procedure for air hose test is explained below.

1. Air for hose testing is obtained from shipyard service air pressure lines or from portable air compressor.
2. During air hose test, pressure in way of nozzle is not to be less than 3bar. Pressure may vary from 3 to 4 bar.
3. During test, nozzle is to be at distance of min 100mm and max 300mm and in any case not more than 500mm.
4. Soapy water solution is applied to the welds on other side of test region for detecting leakages.
5. Duration of air hose testing is at the discretion of the overseer, testing being maintained until visual inspection makes it unlikely that any (further) leaks will be revealed. Any leaks found should be well marked and rectified on completion of test.


Hose test with air can be substituted by KEROSENE TEST. Which is described as below:

1. Chalk is made wet and applied on the structural boundaries (i.e. weld lines) thoroughly. The chalk applied is allowed to dry completely.
2. Kerosene is applied on the other side of weld lines.
3. Kerosene seeps through the gaps, cracks or holes present in the weld lines (if any)
4. Presence of gaps, cracks or holes in weld line is identified, as the chalk becomes wet in the portion.

3.4 HOSE TEST (with Water)

Hose testing of the watertight boundaries are to be carried out for compartments as indicated in the drawing. Following items are to be hose tested to the satisfaction of overseer.

- a. All water tight structures which have not been tested with air or water.
- b. Boundaries of main machinery compartments except those which form part of the compartments as stated in drawing.
- c. All glass windows on structural boundaries, Weather tight doors, Weather tight hatches.
The procedure for hose test with water is explained below.
- i. Water for hose test is obtained from shipyard FW or from other sources at approximately 3.6 bar.
- ii. The branch nozzle should be so adjusted to give a parallel jet and should be as close as possible to the structure under test, preferably not more than 7.5 meters away. The exact distance of the nozzle from the testing structure/ item will be as per the drawing/ construction document.
- iii. Duration of the hose testing is at the discretion of the overseer testing being maintained until visual inspection makes it unlikely that any (further) leaks will be revealed. Any leaks found should be well marked and rectified on completion of test.
- iv. The inspection of the water tightness of the structures and opening is to be recorded. In the format provided by **GRSE**.
- v. Chalk to be applied will be arranged by the sub-contractor.

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Hose test with water can be substituted by UT Leak Detection described as below:

- i. Ultrasonic wave Generator is placed on one side of the testing structure/ item (preferably inside) at a permissible vicinity (as per OEM document) & the receiver is used to detect leaks from potential leak points from the other side (preferably outside) of the structure / item.
- ii. Any leak observed has to be rectified & re-tested.

4. CONTRACTORS SCOPE OF WORK

- a) Before Pressure Testing pre-pressure testing inspection to be carried out by the inspecting agency.
- b) Testing as per testing plan of Tanks and W.T Compartments. Any defects found during testing have to be rectified by the contractor.
- c) Testing to be redone after the liquidation of defect and to be offered for inspection to the GRSE (QA) followed by WOT (KOI) as per QAP.
- d) Blanking of all required openings for air tightening of tank/cluster.
- e) Removal of all blanks on successful completion of APT.
- f) Closing & Opening of all Manholes and Hatches during APT.
- g) If there is any leftover welding which was not identified during dry survey to be completed by the vendor.

5. GRSE'S SCOPE OF SUPPLY

- (a) Electric power.
- (b) Required drawing / GRAQ
- (c) Consumables including gas, electrode, off cut plates.
- (d) Staging & Scaffolding material however clamps to be supplied by the vendor.

6. CONTRACTOR'S SCOPE OF SUPPLY


- a) All necessary tools & tackles like Hand screen/ Head screen, chipping hammer, Wire brush etc.
- b) Power extension boards.
- c) Grinding machine with wheels, wrench and operator.
- d) Gas cutting torch, Hoses and regulators and all temporary Fasteners.
- e) Proper maintenance of Hindrance Register
- f) Staging/Scaffolding to be erected if required.
- g) Equipment including Pressure Gauge and other addl. equipment not covered under para 4.
- h) Compressor along with tested & certified hoses with requisite quick release couplings/end fittings.

7. INSPECTION

The work is to be inspected and approved by GRSE (QA)/WOT (KOI) as per Approved QAP. Completion of job is to be considered only on a satisfactory inspection report, duly signed by inspecting officer. Within 7 days of receipt of order/LOI, the firm must forward QAP to GRSE (QA) for approval (Draft QAP for guidance attached herewith at annexure).

8. WORKMANSHIP

- a) All welding to be carried out by welder qualified for DMR grade steel.
- b) Standard Shipbuilding practise to be maintain if not specified otherwise.

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c) Responsibility for cleanliness of blocks during WPT, Cluster test, Hose test, rests with the contractor.

9. SECURITY

All documents/ drawings of Hull blocks for GRSE Yard No. 3033-36 are of confidential in nature. All drawings/ documents issued to the contractor should not be copied and should be returned to GRSE on completion of work.

10. MANPOWER

Sub-contractor should indicate actual data in regard to following aspects:

- a) Skilled labour and manpower deployment as per para 2. Successful sub-contractor should undertake that these operatives would not be withdrawn jeopardizing the construction programme. In case such a requirement becomes essential, the contractor will obtain written permission of concern PL.
- b) Similar details about engineers/ supervisors to be employed for the work.
- c) Tools and machinery available with sub-contractor or intended to be used.

11. RESOURCE ALLOCATION & TIME ON TASK

It is essential to maintain and ensure time on task. Daily attendance record is to be taken. Late Comers will not be permitted to enter and early departure, without valid reasons counter signed by site in charge, is not permitted. Towards the same

- a) Material Reconciliation.
- b) Any other requirement that would be indicated by GRSE.

12. If any material issued by GRSE to the contractor is 'damaged / lost' and is not usable, the cost of the material plus overhead charges will be recovered from contractor as per the costing estimate section. The recovery charges will be communicated to SCC Dept. Any rectification work on account of poor workmanship will have to be carried out by the contractor at no extra cost.

13. In case of rejection due to faulty workmanship of contractor, cost of material plus overhead charges will be recovered from the contractor as per the costing done by GRSE and intimated to AGM SCC for recovery.

14. Contractor may carry out the survey /site visit of the location prior to bidding


15. PLANNING

Contractor should submit Schedule to GRSE as per site availability at GRSE. The same will be studied by GRSE for matching with GRSE's construction programme and contractor shall accommodate changes as required by GRSE. If required, contractor will be allowed to work beyond normal hours and even on Sundays/holidays.

16. Misc. points:

a) Statutory HR requirements

- i) Sub-contractor should submit complete list of personnel as per their payroll along with ESI/ PF reference and other relevant details for Skilled labour including number of experienced fitter, welder, gas cutter, etc. Successful sub-contractor should undertake that these operatives would not be withdrawn jeopardizing the construction schedule.

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(ii) Similar details about engineers/ supervisors to be employed for the work.

b) Hindrance Register

To be maintained by the sub-contractor and put up for approval by the Concerned PL or his nominated representative.

c) Safety

The sub-contractor shall comply with all safety requirements in and around the workplace. They shall arrange for safety gears for their personnel.

17. Method of quotation details

Sl.	Test Name	Approx. Qty./ Ship	Total Quantity for 04 ASW SWC Ships
a)	Air/Water Pressure Test of Tanks	220 Cu M	880 Cu M
b)	Air Hose Test	1500 M	6000 M
c)	Water Hose Test	500 M	2000 M
d)	Cluster Test	1500 Cu M	6000 Cu M

- a) Rate has to be quoted per unit volume /M3 (APT/WPT, Cluster test), unit length / meter (Hose test). The L1 will be adjudge on overall L1 basis for all four-line items cumulatively on lumpsum basis.
- b) Up to 03 vendors may be engaged by GRSE for each ship as per frontage of work for Pressure testing / Cluster.
- c) The vendor emerging L1 as per the table above and L2/L3/more vendors who may express willingness to work as per L1 agreed price, will be subsequently also awarded the works as per performance and progress of work.

18. Job Starting & completion schedule:


APT/WPT of Tanks within 03 days & Air/water hose test within 02 days from job starting date. Each Cluster test will be completed within 10 days from job starting date.

19. WORK DONE CERTIFICATES

Post completion of each Tank testing/ Cluster/ Hose test zone, the vendor will obtain work done certificate from Yard PL or his authorized representative for raising bill for payment. Clear Inspection report/ summary need to be submitted with WDC. Part and progressive payment would be admissible.


20. Bill Certification

Bill will be certified by respective PS based on the WDC.

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Water Pressure Testing:


COMPT. NO.	COMPT. NAME	LONG. POS.	VERT. POS.	Net VOLUME(cu m)	NATURE OF TESTING
1	FW TANK -1	FR.-1 TO FWD	NO. 3 DK TO NO. 2 DK	10.74	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
2	FW TANK -2	FR.-1 TO FR.2	BOTTOM TO NO.3 DK.	10.74	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
5	FW TANK -3 (C)	FR.2 TO FR.8	BOTTOM TO NO.3 DK.	13.58	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
6	FW TANK -4 (P)	FR.11 TO FR.14	BOTTOM TO NO.3 DK.	4.39	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
7	FW TANK -5 (S)	FR.11 TO FR.14	BOTTOM TO NO.3 DK.	4.39	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
10	BW TANK 1 (P)	FR.14 TO FR.20	BOTTOM TO NO.3 DK.	8.54	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
10	BW TANK 2 (S)	FR.14 TO FR.20	BOTTOM TO NO.3 DK.	8.54	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
11	FO TANK 1 (P)	FR.20 TO FR.23	BOTTOM TO NO.3 DK.	11.30	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
12	FO TANK 2 (S)	FR.20 TO FR.23	BOTTOM TO NO.3 DK.	11.30	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
13	FO TANK 3 (P)	FR.23 TO FR.29	BOTTOM TO NO.3 DK.	23.43	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
14	FO TANK 4 (S)	FR.23 TO FR.29	BOTTOM TO NO.3 DK.	23.43	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
15	BW TANK 3	FR.30 TO FR.32	BOTTOM TO NO.3 DK.	7.20	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
16	FO TANK 5 (P)	FR.32 TO FR.35	BOTTOM TO NO.3 DK.	9.09	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
17	FO TANK 6 (S)	FR.32 TO FR.35	BOTTOM TO NO.3 DK.	9.09	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
18	BILGE HOLDING TANK	FR.35 TO FR.36	BOTTOM TO NO.3 DK.	5.50	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
19	LO STORAGE TANK	FR.37 TO FR.40	BOTTOM TO NO.3 DK.	8.98	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK

 GRSE LTD. YARD NOS: 3033-36 DATE: 15 Jun 2023	TECHNICAL SPECIFICATION FOR WPT, APT, HOSE TEST OF TANKS & COMPARTMENTS AND CLUSTER APT (PROJECT ASW SWC)	Annexure-1 SOR No. SOR/H&HOF/3033-36/01 (R1)
		SHEET: Page 8 of 9
		PREPARED BY: MGR, YD 3035 REVIEWED BY : PL-3035

COMPT. NO.	COMPT. NAME	LONG. POS.	VERT. POS.	Net VOLUME(cu m)	NATURE OF TESTING
20	SLUDGE TANK	FR.40.5 TO FR.43	BOTTOM TO NO.3 DK.	3.09	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
21	DIRTY OIL TANK	FR.40.5 TO FR.43	BOTTOM TO NO.3 DK.	3.09	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
22	FORU TK. 1	FR.48 TO FR.50.5	NO. 2 DK TO NO. 1 DK	6.48	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 760 MM ABOVE 01 DECK
23	ME FORU TK. 3(P),ME FORU TK. 2(S)	FR.37 TO FR.40	NO. 2 DK TO NO. 1 DK	12.49	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
24	DG FORU TK. 1	FR.35 TO FR.36	NO. 2 DK TO NO. 1 DK	3.04	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
25	DG FORU TK. 3(P), DG FORU TK. 2(S)	FR.30 TO FR.31.5	NO. 2 DK TO NO. 1 DK	4.87	TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
68	LO RU TANK	FR.30 TO FR.30.5 (S)	NO. 2 DK TO NO. 1 DK		TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK
69	FO FILLING TANK	FR.32 TO FR.35 (P)	NO. 2 DK TO NO. 1 DK		TO BE FILLED WITH WATER TO GIVE A PRESSURE TO 450 MM ABOVE 02 DECK

Air Pressure Testing:

COMPT. NO.	COMPT. NAME	LONG. POS.	VERT. POS.	Net VOLUME(cu m)	NATURE OF TESTING
3	VOID SPACE	FR.-1 TO FR.-6	BOTTOM TO NO.3 DK.	3.44	TO BE AIR PRESSURE TESTED
4	LOG COMPT.	FR.8 TO FR.9	BOTTOM TO NO.3 DK.	3.34	TO BE AIR PRESSURE TESTED
8	E/S COMPARTMENT	FR.13 TO FR.14	BOTTOM TO NO.3 DK.	2.01	TO BE AIR PRESSURE TESTED
9	SONAR COMPARTMENT	FR.14.5 TO FR.20.5	BOTTOM TO NO.3 DK.	19.41	TO BE AIR PRESSURE TESTED
26	BAGGAGE STORE	FR.-1 TO FR.2	NO. 3 DK TO NO. 2 DK	14.50	TO BE AIR PRESSURE TESTED
27	HYDR. TK ROOM, GUN MAGAZINE, LOBBY, STORE	FR.2 TO FR.8	NO. 3 DK TO NO. 2 DK	88.47	TO BE AIR PRESSURE TESTED
28	IRL MAGAZINE	FR.9 TO FR.14	NO. 3 DK TO NO. 2 DK	130.08	TO BE AIR PRESSURE TESTED
29	COLD ROOM(P), COOL ROOM(P), HANDLING ROOM(P), DRY TINNED STORE (P), LOBBY(S), REF PLANT(S), GHEE/EDIBLE OIL STORE(S), VICTUALLING DRY & BAGGED PROVISION STORE, SIR. COMPT.	FR.14 TO FR.23	NO. 3 DK TO NO. 2 DK	242.37	TO BE AIR PRESSURE TESTED

Annexure-1	
 GRSE LTD.	TECHNICAL SPECIFICATION FOR WPT, APT, HOSE TEST OF TANKS & COMPARTMENTS AND CLUSTER APT (PROJECT ASW SWC)
YARD NOS: 3033-36	SOR No. SOR/H&HOF/3033-36/01 (R1) SHEET: Page 9 of 9
DATE: 15 Jun 2023	PREPARED BY: MGR, YD 3035 REVIEWED BY : PL-3035

COMPT. NO.	COMPT. NAME	LONG. POS.	VERT. POS.	Net VOLUME(cu m)	NATURE OF TESTING
30	STP ROOM	FR.23 TO FR.26	NO. 3 DK TO NO. 2 DK	32.36	TO BE AIR PRESSURE TESTED
36	PAINT STORE , CHAIN LKR.(S), LOBBY	FR.2 TO FWD	NO. 2 DK TO NO. 1 DK	72.36	TO BE AIR PRESSURE TESTED
37	HAWSER REEL & BOSUN STR., SHIPWRIGHT WORKSHOP & STORE, GUN EQP. ROOM, LOBBY, SP. GEAR STORE, CANTEEN, SEAMANSHIP STORE	FR.0 TO FR.9	NO. 2 DK TO NO. 1 DK	163.58	TO BE AIR PRESSURE TESTED
38	NBCD STORE, LOBBY, LAUNDRY, ARMOURY, DC & FF STORE, DEGAUSING & CMR-2	FR.9 TO FR.14	NO. 2 DK TO NO. 1 DK	150.14	TO BE AIR PRESSURE TESTED
39	J.S. MESS-1 (12 MEN), J.S. MESS-2(12 MEN), LAN SERVER ROOM, LOBBY, A/F COMPT. & CENTRAL CABLE TV & FWD GYRO, , NBCD STORE, J.S. MESS-3 (6 MEN)	FR.14 TO FR.23	NO. 2 DK TO NO. 1 DK	325.88	TO BE AIR PRESSURE TESTED
42	CPO & REGULATING MESS 2 (4 MEN), SS MESS-2(4 MEN), CPO & REGULATING MESS 1 (4 MEN), LOBBY, AFT GYRO & ICCP, SS MESS-1(4MEN), S.S. TOILET, MCPO MESS (4 MEN)	FR.23 TO FR.30	NO. 2 DK TO NO. 1 DK	192.12	TO BE AIR PRESSURE TESTED
43	GUN MAGAZINE COMPARTMENT				TO BE LEAK TESTED



FORMAT FOR TECHNICAL ELIGIBILITY

1. **Name of the Bidder:**

2. **Job Description:**

3. **Tender Reference:**

(A) **Details of Executed relevant jobs :**

Sl. No.	Description of Executed relevant jobs	Order No., Date & Value (in INR) <i>(Supporting soft or, hard copy to be submitted)</i>	Start & Completion date as per Order	Actual start date	Actual Completion Date	Order placed by	Scope of work for executed contract (To quantify)	Details of Resources/ Machinery Deployed	Work completion certificate Ref. No. & date <i>(Supporting soft or, hard copy to be submitted)</i>

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

Note: Please add additional pages if required.



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 **31.08.2023** 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 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	NA
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



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



ANNEXURE-14 "A"

**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.

Form for Bid Security Declaration

Date: DD/MM/YYYY

Bidder's Ref: _____

GeM Tender Ref: _____

To

M/s. Garden Reach Shipbuilders & Engineers Ltd.

43/46, Garden Reach Road,

Kolkata – 700 024

Kind Attn: (*Name & Designation of tender issuing officer*)

Dear Sir / Madam,

We the undersigned declare that:

We understand that, according to tender conditions, bids must be supported by a bid Security Declaration along with valid MSE/NSIC document.

We accept that we will automatically be suspended from being eligible for bidding in any contract with M/s. GRSE Ltd. for the period of 03 Years starting from date of opening of price bid, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) Have withdrawn our bid after opening of price bid and within the bid validity specified in the tender; or
- (b) Having been notified of the acceptance of our bid by M/s. GRSE Ltd. during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the security deposit, in accordance with Article 23 (i) of tender.

We understand this bid security declaration shall expire if we are not the successful bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful bidder; or (ii) twenty-eight days after the expiration of our bid.

[*Insert signature of authorized representative*]

[*Insert legal capacity of the person signing the declaration*]

[*Insert complete name of person signing the declaration*]

Duly authorized to sign the bid for and on behalf of [*insert complete name of bidder*]

Date: DD/MM/YYYY

[*Put corporate seal as appropriate*]