



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

*भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)

Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024

दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144

वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

CIN / सी आई एन: L35111WB1934GOI007891

CORRIGENDUM – II dated: 08-Sep-2025	
NIT No / निविदा संख्या:	SCC/NK/NIC/OT(P)/RENO-RNC/107/RA-3272 Dated: 18-Aug-2025
Job Title / कार्य का नाम	RENOVATION WORKS AT DEP-RANCHI UNIT
SOR No:	YM/1/SOTR/MISC/REFURB/2025 DT.29.07.2025 (Annexure-1A)
Tender issuing Dept. / नबभाग द्वारा जारी	Contract Cell (संविदा बिभाग)

• **Following were discussed and clarified in Prebid Meeting held on 30-Aug-2025:**

(i) The works under this tender primarily involves: -

- Refurbishment of Fabrication and Heavy Machine Shop by replacing the asbestos sheets with colour coated metal sheets along with fabrication and erection of new MS stair from outside on both sides of the shed for accessing to the roof with walk way and hand rail.
- Fabrication and erection of a new MS stair from outside of the Modernisation Shop for accessing to the roof with walk way and hand rail.
- Construction of Tube well, Renovation of Toilet & Septic tank.
- Electrical Installation and Commissioning of High-Bay Light at Fabrication and Heavy Machine Shop
- Electrical Installation and Commissioning of Electrical Power Distribution at Fabrication and Heavy Machine Shop.

(ii) During the meeting it has been clearly stated that the selected firm has to ensure the quality of item and workmanship of all works confirming to the BOQ/ relevant Indian Standards /Technical specification as per the latest PWD/CPWD Schedule and best engineering practices.

(iii) It has been clarified in the meeting that the painting of the cranes within the Fabrication & Heavy Machine Shop and the Modernisation Shop are included within the BOQ against structural painting of the respective shop.

- (iv) The selected firm has to abide the GRSE's health and safety guidelines during execution of work with in GRSE premises as per the SOTR Clause No 4.
- (v) The selected firm must submit valid test certificates for materials/items as per the approved QAP or relevant Indian Standards before incorporations in the permanent works. Also, the Contractor will bear the cost of the test required for the work by the Engineer or his representative in respect to materials and workmanship of the work.
- (vi) During excavation of soil, it is desirable to scan the area with proper scanning machine to identify the presence of underground electrical cable and other utility lines viz water line, fire line, gas line, CCTV cables if any, to avoid any damage and subsequently the selected firm has to provide the scan survey drawing.
- (vii) The selected firm has to arrange all equipment and machinery including consumables necessary for the construction, fabrication & erection.
- (viii) The selected firm has to do the detail foundation and structural drawing and design of the structural stair and walkway along with structural analysis of the existing shop to support the walkway for accessing the roof of the shop.
- (ix) The final design and drawing have to be vetted from any IITs/JU/IIEST/ NITs
- (x) The selected firm has to carry out the execution work parallelly at all the location.
- (xi) The completion period of the overall project is 06 months from the date of issuing of LOA/PO whichever is earlier. However, it has been clarified in the meeting that the staircase along with walkway work outside the Modernisation shop is GRSE's major priority and has to be completed within 2 months from the date of awarding the contract.
- (xii) It has also been stated that it is mandatory to submit the requisite technical documents during bid submission as mentioned in SOTR Cl. No.2/g.
- (xiii) During the meeting a modification has been done as tabulated below.

Sl. No.	Ref.	Existing	To be read as
1	Annexure-1B-Bill of quantity- Sl. No. 20/560, Pg. No. 65/124	Unit- M	Unit - SQM.
2.	Annexure-1B-Bill of quantity- Sl. No. 70/180, 70/190, 70/200, 70/210 Pg. No. 75/124	Unit-Coil	Unit- EA (Note:1 Coil = 90Mtr)

(xiv) During discussion few queries have been raised by the firms. Queries and GRSE's reply are tabulated below.

Sl. No.	Firm's Query	GRSE's Reply
1	What would be the EMD and BG for MSME & Start Up company	As per NIT
2	Request to extend the time of completion of the overall project up to 09 months from the date of placement of LOA/ Po whichever is earlier.	Not accepted. Completion period for the overall project is 06 month from the date of placement of LOA/Po whichever is earlier as stipulated in NIT (SOTR Cl. No. 7/f). However, 15 days mobilization time will be provided separately over and above -mentioned months after placement of LOA/Po whichever is earlier.

- **All OTHER TERMS AND CONDITIONS OF NIT remain unaltered.**



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)
Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024
दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144
वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

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 contractors to submit **single stage two-part bids (Part I- Techno-Commercial & Part II- Price)** through e-tendering mode for the work package as per following bid document.

NIT SLA No / निविदा संख्या:	SCC/NK/NIC/OT(P)/RENO-RNC/107/RA-3272 Dated: 18-Aug-2025	
Job Title / कार्य का नाम	RENOVATION WORKS AT DEP-RANCHI UNIT	
SOR No:	YM/1/SOTR/MISC/REFURB/2025 DT.29.07.2025 (Annexure-1A)	
Tender issuing Dept. / बिभाग द्वारा जारी	Contract Cell (संविदा बिभाग)	
Cardinal Dates		
Pre-Bid Meeting Query Submission	27-Aug-2025	12:00 noon
Pre-Bid Meeting	28-Aug-2025	10:00 hrs
Commencement of Bid Submission	04-Sep-2025	16:00 hrs
Tender Submission Due Date निविदा जमा की अंतिम तिथी	11-Sep-2025	15:00 hrs
Tender Opening Date (Part I) निविदा खुलने की तिथी	12-Sep-2025	16:30 hrs
Contact Persons:		
Query regarding SOTR / Drawing or other technical Terms	Mr. Tanay Saha, DGM (YM), E-mail: Saha.Tanay@grse.co.in Mobile no.: + 91-7603039445 / 8013383530	
Venue for Prebid Meeting: YM Dept. Conference Room GRSE MAIN Unit, 43/46, Garden Reach Road, Kolkata - 700 024.		
The Prebid Meeting shall also be conducted simultaneously on Video-conference (ref Article-27).		
Note: Attending pre-bid meeting and site visit physically is mandatory as per clause 1(f) of SOTR.		

NIT TERMS & REQUIREMENTS

Sl. No.	Description	Reference	Requirement of NIT
1.	TENDER FEE	STAC	INR 500/- (Rupees Five Hundred only)
2.	EARNEST MONEY DEPOSIT (EMD)	STAC & Annexure-23	INR 15,00,000/- (Rupees Fifteen Lakhs only) [Bidders exempted from payment of EMD is mandatorily required to submit Bid Security Declaration. In case of non-submission of the declaration by bidder (exempted from payment of EMD), offer may be rejected.]

Sl. No.	Description	Reference	Requirement of NIT
3.	DETERMINATION OF L1	Article – 15	L1 bidder / rates will be decided on TOTALITY basis through REVERSE AUCTION . Subsequent to reverse auction the final rates shall be decided by reducing the initially offered rates of the successful vendor on prorata basis of the difference of initial quoted total price v/s final quoted total price.
4.	SECURITY DEPOSIT	Article – 22 (1)	5% of total Order value (inclusive of taxes) against Purchase Order
5.	PERFORMANCE GUARANTEE	Article – 22 (2)	10% of executed Order value (inclusive of taxes)
6.	LIQUIDATED DAMAGES	Article – 22 (9)	0.5% per week, Max. upto 5% of unexecuted job
7.	TECHNICAL ELIGIBILITY CRITERIA	Article -1 & SOTR (Annexure-1A)	As per Clause-7 of SOTR (Annexure-1A)
8.	FINANCIAL ELIGIBILITY CRITERIA	Article -2 & Annexure-4	Average Annual financial turnover should be at least INR 230 Lakh during last 03 financial years ending on 31 st March 2024. Annual Statement (Audited / Certified by Chartered Accountant) for the relevant last three (03) years is to be provided while submitting the bid.
9.	VENDORS ON TENDER HOLIDAY / BLACKLISTED VENDORS	Article – 3	Submission of the self-certification as per relevant format (Annexure-5) is mandatory . On non-submission of the declaration by the bidder, offer may be rejected.
10.	OFFER VALIDITY	Article – 4	180 days from date of opening of Techno-commercial offer.
11.	BOQ	Article-6 Annexure-1B	As detailed at Article-6 & Annexure-1B
12.	TENURE OF CONTRACT	Article – 8	06 (six) Months from date of placement of LOI /PO.
13.	MOBILIZATION PERIOD	Article – 9(a)	15 days from the date of receipt of LOI /PO.
14.	JOB COMPLETION SCHEDULE / DELIVERY PERIOD	Article – 9(c) & Clause 7(f) of SOTR (Annexure-1A)	(i) Job Completion shall be 06 (six) Months from the date of receipt of LOA/Order. The job to be completed as per Schedule mentioned at Clause - 7 (f) of SOTR (Annexure-1A). (ii) Record Keeping - The contractor has to keep records of all dates for receipt of drawings & site availability along with the date of inspection and update the same on regular basis which shall be checked / verified by GRSE on demand.
15.	GUARANTEE & WARRANTY / DEFECT LIABILITY PERIOD	Article – 10 & Clause-7 (g) of SOTR (Annexure-1A)	12 (Twelve) Months from date of completion of work and acceptance thereof.
16.	ESCALATION	Article – 12	Not Applicable
17.	AWARDING JOBS TO MULTIPLE BIDDERS	Article – 16(a)	Separate bidder against each line item: Not Applicable
		Article – 16(b)	Ratio of Distribution: Not Applicable .

Sl. No.	Description	Reference	Requirement of NIT
18.	INTEGRITY PACT & INDEPENDENT EXTERNAL MONITORS (IEM)	Article – 18	Applicable Submission of INTEGRITY PACT complying to Article-18 & 25 and ANNEXURE-10 of NIT is MANDATORY . In case the Ink signed copy of the Integrity Pact is not received at GRSE within 05 days of open of Part-I Offer (Techno-commercial Bid), the offer may not be considered for evaluation and may be treated as rejected.
19.	PAYMENT TERMS	Article – 22 (3) & Annexure-1C	Terms mentioned hereinunder and at Article-22(3) shall prevail over SOTR. 1. 90% (Ninety percent) of the value of actual work done / stage payment will be paid against monthly Running Account bill supported with Work Done Certificate. Single bill shall be accepted per month. 2. 10% (Ten percent) of the certified value of work shall be released on:- a. Completion of the Guarantee period / defect liability period subject to satisfactory liquidation of defects duly certified by Bill Certifying Authority. OR b. Submission of performance Bank Guarantee of equivalent amount valid till expiry of Guarantee period. c. For releasing PBG after expiry of guarantee period, the PBG release application to be submitted to Contract Cell duly certified by Bill Certifying Authority. 3. Payment will be made on actual certification basis. 4. Moreover, release of payment is subject to compliance of ESI / P.F and other labour oriented mandatory liabilities by the Contractor and clearance on the same by GRSE HR Dept.
20.	QUALITY ASSURANCE / INSPECTION	STC-37 & SOTR (Annexure-1A)	DGM(YM) dept. or his nominated GRSE officer.
21.	WORK DONE CERTIFICATE AUTHORITY	Article – 22 & SOTR (Annexure-1A)	WDC shall be certified by DGM (YM) OR his nominated GRSE officer on OBPS Portal. Details as per Clause-7 (e) of SOTR (Annexure-1A).
22.	BILL CERTIFYING AUTHORITY	Article – 22 & SOTR	CGM (Tech) OR GRSE officer nominated by certifying authority through OBPS Portal.
23.	NON-DISCLOSURE AGREEMENT	Article – 25 & Annexure-11	• Not Applicable
24.	COLLECTION OF RAW MATERIAL AND DELIVERY OF COMPLETE MATERIALS	Article – 22	• Not Applicable
25.	MATERIAL RECONCILIATION	Article – 22	• Not Applicable

Sl. No.	Description	Reference	Requirement of NIT
26.	SPECIAL REQUIREMENT OF THIS TENDER		a) Offers from vendors who have been issued notice /correspondence by GRSE for poor / non-performance within last 03 months from the date of publication of this tender may not be considered. b) In case any personnel deployed by the vendor is statutorily not covered under ESIC, it is mandatorily required that the personnel are covered under Employee Compensation policy (covering benefits under EC Act).

Sr. Manager (Contract) / वरिष्ठ प्रबन्धक (संबिदा)
Garden Reach Shipbuilders & Engineers Limited
 61, Garden Reach Road, Kolkata – 700024.
 email: Kar.Nilanjana@grse.co.in

Contents

NOTICE INVITING TENDER (NIT) / निविदा आमंत्रण सूचना	1
INTRODUCTION	7
ARTICLE/अनुच्छेद 1. TECHNICAL ELIGIBILITY CRITERIA तकनीकी मापदंड	7
ARTICLE/अनुच्छेद 2. FINANCIAL ELIGIBILITY CRITERIA वित्तीय मापदंड	7
ARTICLE/अनुच्छेद 3. VENDORS ON TENDER HOLIDAY / BLACKLISTED VENDORS	7
ARTICLE/अनुच्छेद 4. OFFER VALIDITY प्रस्ताव की वैधता	7
ARTICLE/अनुच्छेद 5. OPENING OF BIDS निविदा खुलना	7
ARTICLE/अनुच्छेद 6. BOQ बी ओ क्यू	8
ARTICLE/अनुच्छेद 7. JOB EXECUTION कार्य निष्पादन	8
ARTICLE/अनुच्छेद 8. TENURE OF CONTRACT	8
ARTICLE/अनुच्छेद 9. JOB EXECUTION SCHEDULE कार्य निष्पादन सूची	8
ARTICLE/अनुच्छेद 10. GUARANTEE & WARRANTY गारंटी एवं वारंटी	8
ARTICLE/अनुच्छेद 11. PRICE मूल	8
ARTICLE/अनुच्छेद 12. ESCALATION मूल्य वृद्धि	8
ARTICLE/अनुच्छेद 13. UNREASONABLE QUOTES अतर्कसंगत भाव	8
ARTICLE/अनुच्छेद 14. CONDITIONAL OFFER सशर्त प्रस्ताव	9
ARTICLE/अनुच्छेद 15. DETERMINATION OF L1 एल-1 का चयन	9
ARTICLE/अनुच्छेद 16. AWARDING JOBS TO MULTIPLE BIDDERS बहुल बिडर के लिए ठेका कार्य	9
ARTICLE/अनुच्छेद 18. Integrity Pact & Independent External Monitors (IEM):	9
ARTICLE/अनुच्छेद 19. INSTRUCTION TO THE BIDDERS बिडर हेतु अनुदेश	10
ARTICLE/अनुच्छेद 20. e-BID INSTRUCTION ई बिड के अनुदेश	11
ARTICLE/अनुच्छेद 21. BID REJECTION CRITERIA बिड अस्वीकृति के मापदंड	11
ARTICLE/अनुच्छेद 22. POST AWARD APPLICABLE CLAUSES ठेका जारी करने के पश्चात लागू उपधारा	12
ARTICLE/अनुच्छेद 23. ANNEXURES FORMING PART OF THIS e-TENDER ई-निविदा की संलग्नक प्रपत्र	15
ARTICLE/अनुच्छेद 24. DOCUMENTS TO BE UPLOADED अपलोड हेतु दस्तावेज	15
ARTICLE/अनुच्छेद 25. DOCUMENTS IN PHYSICAL FORM TO SUBMIT वास्तविक प्रपत्र जो जमा करने हैं	16
ARTICLE/अनुच्छेद 26. SUBMISSION OF BID बिड की पेशी	17
ARTICLE/अनुच्छेद 27. PRE-BID MEETING बोलीपूर्व बैठक	17
ANNEXURE-1A: STATEMENT OF TECHNICAL REQUIREMENTS (SoTR)	18
ANNEXURE-1B: BILL OF QUANTITIES	57
ANNEXURE 1C: PAYMENT TERMS	77
ANNEXURE -2: STANDARD TERMS & CONDITIONS (STAC) मानक निबंधन और शर्तें (एसटीएससी)	79
ANNEXURE – 3: EXECUTED RELEVANT JOBS for TECHNICAL ELIGIBILITY	97
ANNEXURE – 4: FORMAT for FINANCIAL ELIGIBILITY	98
ANNEXURE-5: FORMAT OF SELF-CERTIFICATION FOR DECLARATION REGARDING BLACKLISTING/ TENDER HOLIDAY	99
ANNEXURE-6: FORMAT FOR DISCLOSURE BY CONTRACTOR OF EXISTING WORK	100
ANNEXURE-7: FORMAT FOR DISCLOSURE BY CONTRACTOR OF PROPOSED EXECUTION / DEPLOYMENT PLAN OF THIS TENDERED JOB	101

ANNEXURE-8: CONFIRMATION BY BIDDER CUM CHECKLIST FOR BID SUBMISSION	102
ACCEPTANCE MATRIX FOR NIT & STAC	104
ACCEPTANCE MATRIX FOR SOTR / SOR	105
ANNEXURE-9: CHECK LIST FOR BILL SUBMISSION - for Service Contracts	106
ANNEXURE-10: INTEGRITY PACT	107
ANNEXURE-11: NON-DISCLOSURE AGREEMENT	111
ANNEXURE-12: FORMAT FOR BANK GUARANTEE TOWARDS EARNEST MONEY	114
ANNEXURE-19: FORMAT FOR BANK GUARANTEE TOWARDS SECURITY DEPOSIT	115
ANNEXURE-20: FORMAT FOR PERFORMANCE BANK GUARANTEE	116
ANNEXURE-22: FORMAT FOR INDEMNITY BOND FOR COLLECTION OF RAW MATERIAL/ FINISHED GOODS/ EQUIPMENT/ INSTRUMENT	117
ANNEXURE-23: FORMAT FOR BID SECURITY DECLARATION	119

INTRODUCTION

Garden Reach Shipbuilders & Engineers Limited, a leading Warship Builders and Engineering Product Company, invites interested, reputed, resourceful and financially solvent contractors to submit **Single Stage two-part bids (Part I: Techno-Commercial & Part II- Price Bid)** through e-tendering mode for establishing **"RENOVATION WORKS AT DEP-RANCHI UNIT"** for Refurbishment of Heavy Machinery & Modernisation Shop with Replacement of AC Sheet including construction of Deep Boring and Renovation of Toilet Block with allied civil and electrical works.

Detailed Scope of work is mentioned in SOTR (Annexure-1A).

Location: The work is to be carried out at Dep Ranchi.

ARTICLE/अनुच्छेद 1. **TECHNICAL ELIGIBILITY CRITERIA तकनीकी मापदंड**

- i. Bidder should comply to Eligibility Criteria mentioned in SOTRs. **(Annexure-1A)**.
- ii. Format for Technical Eligibility Criteria in this regard has been attached to this document as **Annexure - 3**. The format must be filled up and to be uploaded with the Techno-commercial Bid.

ARTICLE/अनुच्छेद 2. **FINANCIAL ELIGIBILITY CRITERIA वित्तीय मापदंड**

- i. Bidder's Average Audited Annual financial turnover during last 03 financial years should be at least the amount as specified at NIT Terms & Requirements. Annual Statement (Audited / Certified by Chartered Accountant) for the relevant last three (03) years is to be provided while submitting the bid.
- ii. Requisite formats attached with NIT as **Annexure 4** to be filled up in support of above financial eligibility criteria.

ARTICLE/अनुच्छेद 3. **VENDORS ON TENDER HOLIDAY / BLACKLISTED VENDORS**

- i. The bidder should give self-certification (as per **Annexure - 5**) 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 the date of submission of the Tended by the bidder. 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.
- ii. 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.
- iii. 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.
- iv. In case of non-submission of the self-certification document as per relevant format referred at SI- (i) above, the bidder will be treated as non-responsive and their offer will be rejected.

ARTICLE/अनुच्छेद 4. **OFFER VALIDITY प्रस्ताव की वैधता**

- i. Offer should be valid for period as stipulated in NIT Terms & Requirements 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 the stipulated period against valid reason.

ARTICLE/अनुच्छेद 5. **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/अनुच्छेद 6. BOQ बी ओ क्यू

- (a) BOQ for the work is detailed at **Annexure-1B**.
- (b) Methodology of quotation / BoQ mentioned at **Annexure-1B** shall prevail over methodology of quotation / BoQ mentioned at any other part of the document including SOTR / SOR.

Unpriced copy of the Price breakup sheet indicating the GST SAC/HSN Code & GST percentage is to be uploaded along with the Techno-commercial offer (Part-I).

The bid shall not be considered if Price is indicated in any part of Techno-commercial offer (Part-I).

ARTICLE/अनुच्छेद 7. JOB EXECUTION कार्य निष्पादन

Job is to be carried out strictly as per SOTR, Drawings and GRSE requirement. In case of doubt, instructions of the Engineer-in-charge/ PL / their authorised representative is to be followed.

ARTICLE/अनुच्छेद 8. TENURE OF CONTRACT

The tenure of the contract shall be as specified in the NIT Terms & Requirements.

ARTICLE/अनुच्छेद 9. JOB EXECUTION SCHEDULE कार्य निष्पादन सूची

- (a) **Mobilization Period / लामबंदी अवधी** shall be equal to number of days (as specified in the NIT Terms & Requirements) from date of LOA/PO.
- (b) **Job Starting Date / कार्य आरम्भ तिथी** Job is to be started immediately after mobilization as per direction of WDC Authority / Bill Certifying Authority / their authorized representatives.
- (c) **Job Completion Schedule / Delivery Period** -The job is required to be completed within time limit as specified at NIT Terms & Requirements.

ARTICLE/अनुच्छेद 10. GUARANTEE & WARRANTY गारंटी एवं वारंटी

Duration of Guarantee Period / Defect Liability Period shall be as per requirement mentioned at NIT Terms & Requirements and shall commence from the date mentioned in the Completion Certificate.

Guarantee Period / Defect Liability Period shall be deemed to be over on completion of the specified duration subject to successful and satisfactory liquidation of defects notified within the pendency of the Guarantee Period / Defect Liability Period.

In case of pending unresolved defects, the Guarantee Period / Defect Liability Period shall stand automatically extended till satisfactory liquidation of defects.

ARTICLE/अनुच्छेद 11. PRICE मूल्य

- (a) The rates QUOTED/ACCEPTED by the bidder, shall be final and will remain **firm and fixed for the entire contractual period or till completion of ordered work**.
- (b) The quoted price should also include all statutory cost as mentioned/ indicated in SOTR.
- (c) GST is to be indicated separately in the Price Breakup.

ARTICLE/अनुच्छेद 12. ESCALATION मूल्य वृद्धि

- (a) **NO ESCALATION** of price during the contractual period and/or till completion of complete work (except change in GST Rate, if notified by Competent Authority) shall be applicable.
- (b) **Escalated Rate** in case of extension of validity period shall be as mentioned in NIT Terms & Requirements.

ARTICLE/अनुच्छेद 13. UNREASONABLE QUOTES अतर्कसंगत भाव

- (a) 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.

- (b) 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 may be liable for rejection.
- (c) 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 03 years.

ARTICLE/अनुच्छेद 14. CONDITIONAL OFFER सशर्त प्रस्ताव

Conditional offers w.r.t. SOTR (Annexure 1) will not be accepted. However, in case the bidder wishes to deviate from any/ some 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.

If the deviation is acceptable to GRSE, then suitable loading factor for such deviation on the price quoted by the bidder will be formulated during technical/commercial negotiation and the factor will be loaded on the price quoted by the bidder for determination of L1 price.

ARTICLE/अनुच्छेद 15. DETERMINATION OF L1 एल-1 का चयन

- (a) **L1 bidder will be decided as per criteria mentioned at SI-3 of NIT Terms & Requirements.**
- (b) However, in case of loading the price due to any deviation against the tender, GRSE will evaluate L1 bidder offline, considering suitable loading factor for such deviation on the quoted price as mentioned in Article-14 above.

ARTICLE/अनुच्छेद 16. AWARDING JOBS TO MULTIPLE BIDDERS बहुल बिडर के लिए ठेका कार्य

- (a) Separate bidder may be engaged against each line item mentioned in BOQ based on L1 determination (as mentioned at Article-15 above) as specified at **SI-17 of NIT Terms & Requirements.**
- (b) GRSE wishes to engage multiple bidders for the tendered work subject to the bidders accepting the rate quoted / agreed by L1 Bidder. The ratio of distribution shall be as indicated in **SI-17 of NIT Terms & Requirements.**

ARTICLE/अनुच्छेद 17. MICRO & SMALL ENTERPRISES सूक्ष्म एवं छोटे उद्योग

- a) 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.
- b) 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.
- c) Class A and B items are to be considered as non-divisible within the same class of ships and tender is to be awarded on a single bidder on totality basis unless there is any specific clause in the tender enquiry to indicate divisibility of the tendered quantity.

ARTICLE/अनुच्छेद 18. Integrity Pact & Independent External Monitors (IEM):

- (a) **Integrity Pact (समग्रता अनुबंध)** pact essentially envisages the agreement between prospective vendors /Bidders & buyers committing the person/officials of both the parties not to exercise any corrupt influence on any aspects of the contract. Only those vendors/bidders who enter into such an integrity pact with the buyer would be competent to participate in the bid. The format of integrity Pact is enclosed with tender documents. Refer Annexure - 10. The "Integrity pact on Govt. issued Stamp paper of Rs. 100 duly filled as per enclosed format to be submitted in original. Bidders to ensure that every page of IP is ink signed with company seal/stamp in every page. [Please refer guideline for IP in STAC (SI.-1) in GRSE website]

- (b) Either or both of the following Independent External Monitors will have the power to access the entire project document and examine any complaints received by him. In case of any change in IEMs, it will be informed accordingly.
- (c) The communication details of the IEMs are as follows: -
Shri Lov Verma, IAS (Retd.), Email: lov_56@yahoo.com
Shri Debashis Bandyopadhyay, Ex-Director (HR), BHEL, Email: debashis9999@gmail.com

ARTICLE/अनुच्छेद 19. INSTRUCTION TO THE BIDDERS बिडर हेतु अनुदेश

- i. 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.
- ii. 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.
- iii. 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.

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.
- iv. 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.
- v. 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.
- vi. Job is to be carried out as per SOTR and instruction of the Engineer in-charge.
- vii. 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.
- viii. 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.
- ix. Contractors are responsible to clean up the area of work from all sorts of debris every 3 days. In case of non-compliance to the same, GRSE reserves the right to perform the cleaning activity and charge cost for the same on the contractor with additional penalty of Rs 5000/- per instance.
- x. 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 / Consortium [Ref. STAC (Annexure - 2), Clause: 10], etc. Supporting documents (scanned copy) confirming such status to be uploaded as attachment to Part-I bid.
- xi. A Bidder is allowed to submit only one Bid under any capacity / status.
- xii. Difficulty in submitting the bid:
 - a) In case of any query / difficulty in understanding of SOTR or other technical Terms the same may be

got clarified from SOTR authority prior submission of offer.

- b) Any query/difficulty in understanding of Commercial Terms may be got clarified from Mr. Nilanjan Kar, Sr. Manager (Contract), GRSE (Main Unit) e-mail: Kar.Nilanjan@grse.co.in Mobile no. +91-8584888194.
- c) Any difficulty in submitting / uploading of e-tender or for any system help Mr. Saraswata Palit, SR. MGR (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]

- xiii. **E-mail Address of Vendor for communication संचार हेतु ई. मेल पत:** Vendor has to provide e-mail address to enable faster communication.

ARTICLE/अनुच्छेद 20. e-BID INSTRUCTION ई बिड के अनुदेश

- a) Bidders can view / download Part-I (Techno-Commercial) bid documents along with all attachments on portal <https://eprocuregrse.co.in>. Bidders need to fill up the downloaded documents including the Acceptance Matrices and Declarations as per instruction and upload the same during bid submission as per Bid criteria. Non-acceptance of any techno-commercial criteria is discouraged.
- b) Detailed price breakup as per BoQ is to be uploaded with price offer (Part-II). No other attachment to the price bid except as mentioned will be reckoned.
- c) **If price is indicated in any document pertaining to Part-I of the bid the Offer shall be summarily rejected.**
- d) 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 (0) and the tender shall be evaluated accordingly and the work need to be executed by the successful bidder accordingly.
- e) The amendments / clarifications to the bid document, if any, will be posted on portal only.
- f) 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 Contract.

g) 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.

h) PREVALANCE OF VERSION / संस्करण की व्यापकता:

In case of any discrepancy between English and Hindi version **the English Version shall prevail.** / अंग्रेजी और हिंदी संस्करण के बीच किसी भी विसंगति के मामले में **अंग्रेजी संस्करण मान्य होगा।**

ARTICLE/अनुच्छेद 21. BID REJECTION CRITERIA बिड अस्वीकृति के मापदंड

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

- i. Bidder indicating price offer in any form in the Part-I bid i.e techno-commercial bid.

- ii. 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.
- iii. Incomplete / misleading / ambiguous bid in the considered opinion of the Technical Negotiation Committee (TNC) of GRSE.
- iv. Bid with technical requirements and/or terms not acceptable to GRSE / Customers / External agency nominated, as applicable.
- v. Bid received without qualification documents, where required as per the tender.
- vi. Bid not meeting the pre-qualification parameters / criteria stipulated in the Tender Enquiry.
- vii. Bid with validity expiry date shorter than that specified in the Tender Enquiry.
- viii. EMD validity period is shorter than Bid Validity Period / as specified in the tender enquiry.
- ix. Bidders who have not agreed for the fixed price till the validity of the tender or have quoted the variable price.
- x. Bidder not agreeing for furnishing of the required Security Deposit (SD).
- xi. Bidders not submitting Original instrument of EMD within 05 days from opening of Part I bid.
- xii. Bidder not submitting Integrity Pact as per requirement of the tender and in reference to ARTICLE/अनुच्छेद 18. of NIT.
- xiii. Bidder submitted false / incorrect declaration and/or documents etc.
- xiv. Instances of Poor / Non-performance by bidder in earlier Contracts with GRSE within the past three months from the date of publication of the tender.

ARTICLE/अनुच्छेद 22. POST AWARD APPLICABLE CLAUSES ठेका जारी करने के पश्चात लागू उपधारा

1. **Security Deposit प्रतिभूति जमा-** Non-interest-bearing security deposit amounting to percentage of total Rate Contract order value (inclusive of taxes) as specified at NIT Terms & Requirements is to be deposited within 15 days of Placement of Order in the manner elaborated in STAC (Annexure - 2). In case of non-submission of SD within stipulated period, penal interest @ SLR plus 2% p.a. will be charged for delayed period of submission.

Security Deposit shall be released after completion of work subject to successful execution of the job and deposit of Performance Guarantee Amount / Instrument (if applicable) against executed value of work against the Contract / PO.

On completion of job, Job Completion Certificate (JCC) shall be issued by Bill Certifying Authority. The Contractor is to apply for release of their SD to GRSE Ordering Dept. along with issued Job Completion Certificate (JCC).

In the event of failure to execute the order satisfactorily or default by the Contractor, the security deposit will be forfeited.

In case of submission of BG against Security Deposit, the BG shall be valid for a minimum period equivalent to delivery period mentioned in the PO + 2 months.

2. **Performance Guarantee:** Non-interest-bearing Performance Guarantee deposit amounting to percentage of total executed order value (inclusive of taxes) as specified at NIT Terms & Requirements is to be deposited in the manner elaborated in STAC. The same shall be released after successful completion of Guarantee Period / Defect Liability Period and satisfactory liquidation of defects.
3. **Payment Terms भुगतान की शर्तें:**
 - 3.1 The contractor shall submit the R/A bills in triplicate along with all necessary / required supporting documents, measurement sheet etc.
 - 3.2 **Percentage** of the value of actual work done as specified at NIT Terms & Requirements 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.
 - 3.3 **Remaining Percentage** of the certified value of work shall be released on: -

Completion of the Guarantee period / defect liability period subject to satisfactory liquidation of defects duly certified by Bill Certifying Authority.

OR

Submission of performance Bank Guarantee of equivalent amount valid till expiry of Guarantee period.

For release of this remaining percentage i.e. retention money (if any) either after guarantee period or on submission of PBG; work done certificate shall not be required. For releasing PBG after expiry of guarantee period, the PBG release application to be submitted to Contract Cell duly certified by Bill Certifying Authority.

3.4 Moreover, release of payment for work inside GRSE premises shall be subjected to payment of wages to engaged workforce, complying to minimum wages (as notified by Office of Chief Labour Commissioner, Govt. of India time to time), clearance of ESI / P.F and other labour oriented mandatory liabilities of the Contractor. The following shall be applicable in this regard:

(i) Payment of Wages to engaged employees / workmen should be made through individual Bank A/C on monthly basis. Cash payment is not permissible.

(ii) Completion of PF-UAN seeding and activation of all of their employees / workmen as UAN would be the key field in ECR generation.

(iii) Compliance to Contract Labour Act requirements as per Appendix A, B & C as uploaded in GRSE website in support of this tender as indicated in NIT.

(iv) In case personnel deployed by the vendor inside GRSE are beyond purview of ESI, the personnel are to be covered mandatorily under Employee Compensation policy (covering benefits under EC Act).

3.5 The Bill is to be accompanied with a declaration of Contractor in regard to compliance of all Statutory Dues including PF, ESI and other labour oriented mandatory liabilities of the Contractor. The declaration is to be submitted in letter head of the Contractor.

In case the declaration emerges to be false as on date of declaration, stringent action (including but not limited to Tender Holiday & Suspension of Business) may be initiated by GRSE.

In case of non-submission of the declaration, the bill shall be treated as incomplete and shall be rejected.

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

Work Done Certificate will be issued by the Authority as indicated at SI-22 of NIT TERMS & REQUIREMENTS. 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.

5. **Bill Certifying & Job Completion Certificate (JCC):**

Issuing Authority: As mentioned at NIT Terms & Requirements.

JCC shall be issued after completion of the complete work against a Purchase Order.

In case material is taken out by vendor for processing outside GRSE the JCC shall be issued after acceptance of Material Reconciliation Statement (MRS).

6. **Bill Submission बिल प्रस्तुति:**

Invoice is to be raised after issue of Work Done / Completion Certificate.

GST e-invoice are to be submitted to Bill Certifying Authority through OBPS portal with work done /completion certificate duly certified by WDC Authority.

Payment shall be made against submitted invoice as per payment terms of PO subject to compliance of labour laws and statutory dues where ever applicable.

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

7. **Collection of Raw Material and Delivery of Complete materials (अनिर्मित सामग्री संग्रह एवं परिवर्तित सम्पूर्ण सामग्री की सुपुर्दगी)**

- (a) Raw materials will be required to be collected from GRSE against submission of Material Guarantee Deposit on form of Demand Draft / Bank Guarantee (as per GRSE format) amounting to value as specified at **NIT Terms & Conditions** OR the equivalent value of material as that will remain in the custody of the firm during the execution of the work ONLY in case of materials taken outside GRSE premises. Transportation of materials from GRSE to sub-contractor's premises and transportation of finished materials from Sub-contractor's premises up to GRSE are the responsibility of the contractor.
- (b) Indemnity Bond affixing the Common Seal from the registered sub-contractors can be accepted but it should be backed by Insurance Coverage with GRSE as the beneficiary on case-to-case basis with due approval of the management. GRSE registered vendor who are interested to submit Indemnity Bond backed by Insurance coverage should indicate clearly in their offer.

8. **Material Reconciliation Statement (MRS) (सामग्री मिलान)**

Vendors are to furnish the material reconciliation statement (running MRS) for all free issue materials, ONLY in case of materials taken outside GRSE premises against each consignment immediately on delivery of the same but not later than 30 days of delivery, showing details of raw materials received and material returned or as specified in at **NIT Terms & Conditions**. Any excess consumption of material on account of wastage / damage / re-work attributable to the Contractor, shall be liability of the Contractor and shall be recovered from the receivables of the Contractor from GRSE or otherwise.

In case received material is less than issued material the cost of the material not received shall be recovered from the Contractor as per terms specified at **NIT Terms & Conditions**.

The MRS should be submitted with documentary evidence of material issued & returned duly accepted by competent authority of GRSE and as per the GRSE format and filled up check list for MRS.

9. **Liquidated Damages / Penalty**

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.

10. **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.

11. **Time of completion**

Time of completion has to be considered as essence of the contract 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, 01 Month in advance with proper justification duly endorsed by Engineer In-charge / PL of GRSE with commensurate recording of events in the "Hindrance Register". Please note LD will be levied for the unexecuted portion for such time extension.

12. **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.

ARTICLE/अनुच्छेद 23. ANNEXURES FORMING PART OF THIS e-TENDER ई-निविदा की संलग्नक प्रपत्र

Please find all enclosures as indicated below in GRSE website by clicking the link <http://www.grse.in/index.php/tender.html> and then click Enclosure Related to tenders of Sub-Contracting Activities

Annexure/ संलग्नक	Description /
1.	A. Statement of Technical Requirement (SOTR) & Drawings B. Bill of Quantities (BOQ) C. Payment Terms
2.	GRSE Standard Terms and Conditions (STAC)
3.	Format for Technical Eligibility Criteria
4.	Format for Financial Eligibility Criteria
5.	Self-Certification for Blacklisting / Tender Holiday
6.	Format for – Disclosure by Contractor of existing work load
7.	Format for – Disclosure by Contractor of proposed execution / deployment plan of this tendered job
8.	Confirmation by Bidder & Checklist for Bid Submission
9.	Check List for Bill Submission – For Service Contracts
10.	Format for - Integrity Pact To be submitted in Non-Judicial stamp paper of value not less than Rs.100/-.
11.	Format for – Non-Disclosure Agreement (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
12.	Format for – Bank Guarantee Format for EMD (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
13.	Fire & Safety Guidelines (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
14.	Special condition of contract (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
15.	Contractors Responsibility (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
16.	General Requirement (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
17.	Check List for Bill submission (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
18.	PF, ESI declaration form (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
19.	Format for - Bank Guarantee Format for SD (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
20.	Format for - Bank Guarantee Format for PBG (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
21.	Guide line for Bank Guarantee (please refer www.grse.in →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
22.	Format for Indemnity Bond for Collection of Raw Material/ Finished Goods/ Equipment/ Instrument
23.	Format for Bid Security Declaration

ARTICLE/अनुच्छेद 24. DOCUMENTS TO BE UPLOADED अपलोड हेतु दस्तावेज

a. 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

b. NON-SUBMISSION / INCOMPLETE SUBMISSION IN RESPECT TO BELOW-MENTIONED DOCUMENTS MAY LEAD TO REJECTION OF BID

Sl. No.	Description
1.	DD/PO or MSE/NSIC Exemption certificate towards tender fee
2.	DD/PO /BG or MSE/NSIC Exemption certificate towards EMD
3.	Integrity Pact
4.	Registration Certificate of the Company with ROC / Trade License
5.	PAN, TAN, GST
6.	Copies of registration with PF, ESI authorities.
7.	Government e-Market Place (GeM) registration certificate with Unique GeM Seller ID
8.	The Registration Number allotted to MSME's by Trades Receivable e-Discounting System (TReDS). In absence of the same, offers of MSMEs may be liable to rejection.
9.	Partnership Deed / Memorandum and the Article of Association of the firm confirming partners and lead partner (If applicable)
10.	Joint Venture Agreement / Memorandum of Understanding with Power of Attorney in favour of lead member. (If applicable)
11.	Acceptance Matrix for NIT
12.	Acceptance Matrix for Standard Terms & Conditions
13.	Acceptance Matrix for SoTR
14.	Format for Technical Eligibility Criteria
15.	Format for Financial Eligibility Criteria
16.	Audited/Certified Annual Accounts and Annual Report for immediate last three (03) financial years in support of Financial Eligibility.
17.	Self-Certification for Blacklisting / Tender Holiday
18.	Disclosure by Contractor of existing work load
19.	Disclosure by Contractor of proposed execution plan including proposed deployment of resources of this tendered job
20.	Work execution plan / schedule in MS Project clearly indicating dependencies
21.	Confirmation by Bidder & Checklist for Bid Submission
NON-SUBMISSION / INCOMPLETE SUBMISSION IN RESPECT TO ABOVE MAY LEAD TO REJECTION OF BID	

The Bidders has to submit ink signed hard copy of all above documents within 05 days from opening of Part I bid.

The Bidders should mention the following:

- "Unique Seller ID" allotted by GeM (Government e-Market Place) and
- The Registration Number allotted by Trades Receivable e-Discounting System (TReDS). The TReDS Registration Number is only applicable for MSME firms.

The Bidders not registered for Sl. No. 7 & 8 above should apply for registration of the following facilities in portals as per directives of the Government of India.

- GeM (Government e-Market Place) → website: <https://gem.gov.in>
- TReDS (Trades Receivable e-Discounting System) → website: www.invoicemart.com

Vendors Registered with GRSE are not required to upload documents at Sl. No. 4, 5 & 6 above, and are instead required to mention the Vendor Code allotted by GRSE.

ARTICLE/अनुच्छेद 25. DOCUMENTS IN PHYSICAL FORM TO SUBMIT वास्तविक प्रपत्र जो जमा करने हैं

PHYSICAL SUBMISSION		
1	EMD Instrument	Within 05 days from opening of Part I bid
2	Integrity Pact & Non-Disclosure Agreement (as applicable)	Within 05 days from opening of Part I bid
NOTE:	If instruments submitted through demand draft, the same to be drawn in favor of	GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED
	The demand drafts should be payable at	KOLKATA

	Above mentioned original Negotiable Instruments as stipulated, to reach the office of General Manager (CC, HP & IP), Commercial Department, 61, 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 (preferably through speed post /courier service).
NON-SUBMISSION / INCOMPLETE SUBMISSION IN RESPECT TO ABOVE MAY LEAD TO REJECTION OF BID	

ARTICLE/अनुच्छेद 26. SUBMISSION OF BID बिड की पेशी

- 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. However, if the scanned copies are not uploaded with Part-I bid, then the original copies are to be submitted within 05 days from opening of Part I bid.
- 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.
- GRSE reserves the right to accept / reject any Tender in full or in part without assigning any reason.
- 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/अनुच्छेद 27. PRE-BID MEETING बोलीपूर्व बैठक

- Bidders are requested to forward their queries over email to the e/mail address of Contact Person mentioned at Page-1 and to Kar.Nilanjan@grse.co.in within date & time as mentioned under Cardinal Dates.
- Pre-bid meeting shall be held at venue and on time as mentioned in at Page-1.
- The dates & time related to Prebid Meeting mentioned at Page-1 shall prevail over SOTR.
- Pre-bid meeting shall be held over Video Conference at the same time and date and the link for the VC is as follows:

Join by meeting number

Meeting number: **2519 570 6941**

Meeting password: **19026**

Join from a video system or application

Dial **25195706941@grse.webex.com**

Or dial **210.4.202.4** and enter your meeting number

Join by phone: Use VoIP only



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)
Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024
दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144
वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

CIN / सी आई एन: L35111WB1934GOI007891

ANNEXURE-1A: STATEMENT OF TECHNICAL REQUIREMENTS (SoTR)

NIT SLA No / निविदा संख्या:	SCC/NK/NIC/OT(P)/RENO-RNC/107/RA-3272 Dated: 18-Aug-2025
Job Title / कार्य का नाम	RENOVATION WORKS AT DEP-RANCHI UNIT
SOR No:	YM/1/SOTR/MISC/REFURB/2025 DT.29.07.2025 (Annexure-1A)
Tender issuing Dept. / बिभाग द्वारा जारी	Contract Cell (संविदा बिभाग)

REFURBISHMENT OF HEAVY MACHINERY & MODERNISATION
SHOP WITH REPLACEMENT OF AC SHEET INCLUDING
CONSTRUCTION OF DEEP BORING AND RENOVATION OF
TOILET BLOCK WITH ALLIED CIVIL AND ELECTRICAL WORKS
AT
DEP-RANCHI GRSE LTD.



**Garden Reach Shipbuilders & Engineers Limited,
A Govt. of India Undertaking
Main Unit, Garden Reach Road Kolkata – 700024**

29th July 2025

	REFURBISHMENT OF HEAVY MACHINERY & MODERNISATION SHOP WITH REPLACEMENT OF AC SHEET INCLUDING CONSTRUCTION OF DEEP BORING AND RENOVATION OF TOILET BLOCK WITH ALLIED CIVIL AND ELECTRICAL WORKS AT DEP-RANCHI GRSE LTD.	SOTR No. YM/1/SOTR/MISC/REFURB/2025 Page- 2 to 38
Yard No.: NA Group : YM		Rev: 00
Inspection: GRSE YM Dept		Checked by: Debojit Nandi, AM(YM) Concurred by: Tanay Saha, DGM(YM)

CONTENTS

<u>Sl No.</u>	<u>SECTION</u>	<u>PAGE NO.</u>
1.	Background information	3
2.	Primary objective	4
3.	Technical specifications	11
4.	Health and safety	19
5.	Other requirements	26
6.	GRSE Scope	31
7.	Special terms and conditions of contract	31
8.	APPENDIX- 1(A)	35
9.	APPENDIX- 1(B)	37
10.	APPENDIX-1(C)	38

STATEMENT OF TECHNICAL REQUIREMENT (SOTR) **AND SPECIAL TERMS & CONDITIONS**

1. Background information.

(a) Garden Reach Shipbuilders and Engineers Ltd (GRSE) is a Defence Public Sector Undertakings (DPSU) under the administrative control of the Department of Defence Production (DDP), Ministry of Defence (MoD), Government of India and a Schedule "A" and Mini-Ratna Category-I company with the considerable experience and expertise in Shipbuilding/Ship Repair/ Bailey Bridge in commercial, defence and offshore segments in India and abroad.

(b) GRSE is an ISO 9001:2015, 14001, 18001 & 50001 certified company incorporated in 1934, under the Indian Companies Act, 1913, and acquired by the Government of India from Macneill & Barry Limited on May 19, 1960. The yard was designated as a Central Public Sector Entity (CPSE) in 1960, primarily catering to the shipbuilding requirements of the Indian Navy and the Indian Coast Guard. GRSE has recently completed a successful IPO process and is currently a listed Company with 75% stake held by the Govt. of India.

(c) The company has operations in two major divisions – a) Shipbuilding and Ship repairs and b) Engineering. GRSE derives majority of its revenue from its shipbuilding division, which also occupies major share of GRSE's gross revenue. The key products include Frigates, ASW Corvettes, Missile Corvettes, Fleet Replenishment Tankers, Landing Ship-Tanks, Landing Craft-Utility, Survey Vessels, Offshore Patrol Vessels, Fast Attack Crafts, Inshore Patrol Vessels, Fast Patrol Vessel, Hovercrafts and Pre-Fabricated Bailey type & Modular Steel Bridges.

(d) **Manufacturing units.** Various manufacturing units of GRSE is tabulated below: -

(i)	Main Unit (Kolkata)	(v)	TTC Baranagar (Kolkata)
(ii)	FoJ Unit (Kolkata) on Lease from KoPT	(vi)	Taratala Unit (Kolkata)
(iii)	RBD Unit	(vii)	DEP Ranchi
(iv)	61 Park unit (Kolkata)	(viii)	KPDD (Kolkata)

(e) **Address/ Telephone/ Fax No. of Registered Office.** Garden Reach Shipbuilders and Engineers Ltd. GRSE Bhavan, 61, Garden Reach Road, Kolkata-700024, India Website: www.grse.in

2. Primary objective.

(a) Purpose. Garden Reach Shipbuilders and Engineers Limited (GRSE), Kolkata invites tender for Refurbishment of various stores / shops, renovation of toilet, construction of bore well and allied civil and electrical works at DEP Ranchi as per Item-Rate contract basis.

(b) Site Location. Garden Reach Shipbuilders & Engineers Ltd Diesel Engine Plant (DEP), Plant Plaza Road Ranchi 834004, INDIA

(c) Proposed Layout Drawings. The proposed tentative drawings ([Appendix-1\(A\)](#) & [Appendix-1\(B\)](#)) are enclosed along with the tender for ready reference.

(d) General Specification. This set of technical requirement provides a general guideline for successful execution of the work under the scope of this tender. The work for the refurbishment of various stores / shops by replacing the asbestos sheets with colour metal sheet, renovation of toilet block & allied civil and electrical works is required to be carried out in accordance with the following scope of work, performance specification, Bill of Quantities (BOQ), relevant Indian Standard Codes for design & construction, Specification as per the latest Schedule of Rates, Building construction department Jharkhand.

(e) Detail Scope of Works. Work under this tender broadly includes:

(i) Refurbishment of various stores / shops.

(aa) Replacement of Asbestos sheet with colour coated metal sheet on the roof and side along with installation of MS valley and eaves gutter. The valley and eaves gutter shall be so designed that no runoff water from the shed spill off from the valley or eaves gutters.

(ab) Supply and installation of polycarbonate sheets.

(ac) Strengthening of shed structure along with structural columns where required.

(ad) Priming and painting of structural components associated with shed.

(ae) Priming and painting of plastered /wooden surfaces

(af) Retrofitting of existing shop floor.

(ag) Repair / Replacement of rain water down comer pipe and installation of new UPVC rain water pipes as required.

(ah) Diversion of inside rain water down pipes to the outside main drain to discharge the runoff water, if required.

(ai) Fabrication and fixing of MS drain covers.

(aj) Allied civil related work for successful completion of the project.

(ak) Structural Works including construction of new stair case for access to roof with necessary hand rails, walkway etc

(ii) Construction of Tube well, Renovation of Toilet & Septic tank.

- (aa) Boring and construction of 320m bore well by ODEX method for installation of pump set.
- (ab) Insertion of slotted pipe/strainer at aquifer zone and gravel packing around strainer.
- (ac) Supplying, assembling, lowering and fixing of suitable casing vertically in bore well.
- (ad) Development of tube well.
- (ae) Supply and installation submersible pump sets of 5HP.
- (af) Testing of yield, drawdown and water quality as per relevant IS codes.
- (ag) Supply, fitting & fixing of accessories as per BOQ.
- (ah) Cutting and trimming of vegetation/bushes/trees as necessary before undertaking the work.
- (ai) Excavation with dewatering, levelling and disposal.
- (aj) Dismantling and retrofitting of RCC, PCC & masonry structures as required.
- (ak) Brick masonry with 1st class brick in cement mortar (1:6)
- (al) Soling, sand filling and soak pit construction.
- (am) Supply and installation of UPVC and CPVC pipes with fittings.
- (an) Supply and fixing of related sanitary ware in toilet as per BOQ.
- (ao) Construction of septic tank for 200 users as per BOQ and standard engineering practice. Reference drawing of septic tank has been given in [Appendix-1\(C\)](#).
- (ap) Internal and external sewage connection to septic tank.
- (aq) Painting, plastering, cement punning and tile work.
- (ar) Supply and installation of doors, windows, proper ventilation as required.
- (as) Supplying and installation of P.V.C water storage tank of approved quality with closed top with lid (black)-Multilayer of 2000 litre capacity.
- (at) Arrangement of connecting pipeline as per BOQ.

(iii) Electrical Installation And Commissioning Of High-Bay Light At Fabrication And Heavy Machine Shop

- (aa) Supply of 200-300 watt led high bay light. specification as per BOQ.
- (ab) Supply and Wiring for circuit/ submain wiring along with earth wire 2.5 sq.mm 03 core FRLS PVC insulated copper conductor.
- (ac) Supply of indoor type auxiliary panel board. specification as per BOQ

- (ad) Installation and commissioning of 200-300watt high bay light. with proper hooking arrangement also support with chain and earth wire connect with each light
- (af) Supply and fixing 4 way (4+12) Double door, horizontal type three pole and neutral, sheet steel, MCB distribution board.
- (ag) Supply, Installation & commissioning of Heavy Duty 450 mm 900 rpm exhaust fan

(iv) Electrical Installation And Commissioning Of Electrical Power Distribution At Fabrication And Heavy Machine Shop

- (aa) Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof for light machine shop. specification as per BOQ
- (ab) Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof for heavy machine shop. specification as per BOQ
- (ac) Supply of indoor type Distribution plug socket panel box made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof. . specification as per BOQ
- (ad) Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof for light machine shop. specification as per BOQ
- (ae) Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof for heavy machine shop. specification as per BOQ.
- (af) Supply of 120 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv FrIs cable
- (ag) Supply of 150 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv FrIs cable
- (ah) Supply of 50 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv FrIs cable
- (ai) Supply of 10 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv FrIs cable
- (aj) Supply of 300 amps copper TPN busbar ,all cable entry at bottom and adequate space for cable connection
- (ak) Supply of 150 amps copper TPN busbar ,all cable entry at bottom and adequate space for cable connection
- (al) Supply of 2 inch dia 5 ft long GI hollow pipe with earthing chemical
- (am) Supply of 25×6 inch GI earth strip.
- (an) Supply of 120 mm dia and 3-4 MM thick PVC HDPE pipe
- (ao) Supply of 40 mm dia and 2 MM thick heavy-duty PVC HDPE pipe

(ap) Dismantling of all require Electrical panel, Main switch, junction box, cable and etc. as per instruction of site in charge.

(aq) Installation and commissioning of electrical power distribution including any type of fabrication work, panel installation, cable laying & termination, JB Box mounting and etc.

(ar) 1.1 KV 240 SQMM 4 Core AL cable heat shrinkable straight jointing kit for LT cable

(as) Supply and fixing of galvanized iron metal lightening arrester for industry use

(v) Supply Items For Electrical Wiring Of Offices, Staff Rooms And Toilets In Fabrication And Heavy Machine Shop As Per BOQ

(vi) **Other Scope of Work.** Apart from the above scope of works stated in Cl.no. 2.5.1 to 2.5.4 this tender also broadly comprises of the following:

(aa) Design and preparation of detailed drawing for all the related works.

(ab) Dismantling and removal of all asbestos sheet, north light glazing, CGI sheets etc. from roof, valley, cladding & side wall.

(ac) Supply and fixing of Metal sheet in roof, side cladding, louver and side wall etc. with all allied job including fixing of wind tie.

(ad) Repairing and strengthening of existing structure for stores/shops and existing toilet.

(ae) Excavation of soil / bituminous road as per requirement. While excavating the earth / bituminous surface it is desirable to scan the area with proper scanning machine for presence of any underground electrical cable, water and fire pipeline. Any damages caused are to be repaired without any extra cost.

(af) Dismantling of RCC/PCC/Masonry.

(ag) Leak proof steel/ply shuttering

(ah) Primer & Painting over the concrete/metal/wooden surface.

(ai) Supply, installation and commissioning of 600 dia. (throat) vertical vane wind driven turbo ventilator on metal roof sheet including FRP base sheet with all fitting and fixtures along with all allied works all complete as per technical specification

(aj) The above proposal also includes the construction of drains, Laying of HDPE pipe conforming to IS 16098(Part-II/2013).

(ak) Masonry work.

(al) Fabrication and erection of steel material (If Structural Steel Section or Hollow Section is supplied by GRSE, rate of recovery @ Rs 43140/ ton as an issue rate from Bill).

(am) All equipment and machinery including consumables necessary for the construction, fabrication & erection are to be arranged by the contractor.

- (an) Pumping out of water if required during work.
- (ao) Taking out all unsalvageable, discarded material/items, all debris/waste as generated during dismantling work and also misc. loose items lying inside the building out of GRSE premises (as per prevailing rules of GRSE) progressively and segregating & shifting the salvageable materials (metal and wood) within the GRSE premises in the designated area.
- (ap) Timely disposal of debris in environmentally sound manner abiding by prevailing Municipal Solid Wastes Rules of Municipal Corporation & get appropriate clearance from the local authority as applicable.
- (aq) Any other related Civil works for successful completion of the project as mentioned in the BOQ
- (ar) Site Clearance.
- (as) Defect Liability of 12 (twelve) months against defective material, workmanship, quality for material supplied for the executed work.

(f) Pre-Bid Meeting.

- (i) Attending pre-bid meeting along with site visit physically is mandatory and the submitted Bid will not be considered in case of non-participation. Pre-bid Meeting will be held on 10th day from the date of publication of tender.
- (ii) Prospective Tenderers shall submit their queries, if any in connection with the Tender, in writing by email at the earliest to enable GRSE to clarify the same. The last date of submitting the queries is 2 days prior to the pre-bid meeting. Copies of the Employer's response will be displayed on GRSE website www.grse.in including a description of the enquiry but without identifying its source.
- (iii) Also, the Bidder before submission of tender shall make a detail site visit for proper assessment of the work. The tendered job being item-rate contract as per the BoQ, the Bidder should assess and bring out their observation (if any) during pre-bid meeting for discussion.

(g) Submission of Technical Documents along with the Bid.

- (i) The Tenderer shall submit following documents along with their technical Bid.
- (ii) Organisation Chart.
- (iii) Work Plan i.e. Methodology.
- (iv) Schedule/Programme of work with milestones.
- (v) Necessary supporting documents for work experience as per technical eligibility criteria.
- (vi) Necessary supporting documents for work experience as per technical eligibility criteria.
- (vii) Initial QAP & Safety Plan.

(h) **Drawings, Design Calculations and Documents including Quality Assurance Plan (QAP).** The Contractor shall submit documents, drawings and calculations to the Engineer or his representative for approval: -

(i) Detail construction / working drawings along with necessary design /details during execution for approval.

(ii) An Outline Quality Assurance Plan covering activity including procurement, fabrication, erection, testing critical inspection stages and verification/certification shall be submitted at the time of submitting the Technical Bid. The Contractor shall ensure that his detailed Quality Assurance Plan is prepared and submitted (10 days from the receipt of LOA) prior to the Commencement of the Works for approval. The Contractor has to comply with the quality requirements as per the relevant BIS. All relevant Test Reports / Manufacturing Certificates as per the approved QAP shall be submitted. Approval of document shall not relieve the Contractor of any of his obligations under the Contract.

(iii) Work programme with break-up of activities shall be submitted along with the Technical Bid. A detailed network programme (preferably in MS project) showing the activities, milestones, critical path etc shall be submitted by 10 days from LOA.

(iv) Work programme with break-up of activities shall be submitted along with the Technical Bid. A detailed network programme showing the activities, milestones etc shall be submitted by 10 days from LOA.

(v) Monthly Progress Reports.

(vi) On completion of the work following documents has to be submitted.

(aa) Soft Copies of all design files in editable formats, regardless of the software used. (e.g. Analysis and design files in “. std” format. In case STAAD.Pro is used)

(ab) CAD drawings in .dwg & .pdf format.

(ac) Any supporting calculation sheet if required for clarification of the design and analysis.

(i) **Other General Requirements.**

(i) The Contractor shall carry out detail survey on site for finalisation of extent of work.

(ii) 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. The contractor shall require planning his work in coordination with on-going production activities of GRSE, other contractors working in and around the workplace.

(iii) The contractor shall abide by prevailing rules & regulations for entry of their workmen, supervisor etc., working inside GRSE premises including working in extended hours/holidays and also entry/exit of construction equipment, materials & consumables.

(iv) All contractor workmen have to enter and exit from GRSE premises as per the GRSE guidelines for working days. Early exit is possible on approval from Engineer-In charge.

(v) The contractor shall adopt all precautionary safety measures adhering to prevailing safety rules & regulations & in consultation with GRSE Safety Dept. while working at height (roof/girder/louver etc.) during dismantling, structural welding/repair, erection, installation of sheet, painting etc. Since the work is primarily at height using safety net, safety belt, roof ladder, fall back arrester etc as per BIS is mandatory. The contractor shall take all necessary work permit from concern Departments of GRSE (i.e. Safety, Fire etc.) as applicable in line with prevailing rules in GRSE. (Refer Clause No - 4 Health and Safety of this SOTR for detail safety requirement).

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

(vii) Dismantling work, handling & removal of salvageable & unsalvageable materials shall not come in the way of ongoing functioning of GRSE.

(j) Detail Job Quantity.

(i) BOQ with item quantities for construction as part of SOTR are given in the tender is tentative. 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.

(ii) 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.

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

(iv) All bidders shall quote against all the items of BOQs, otherwise, their bid would be considered as incomplete Bid and shall be liable for rejection

3. **Technical specifications.**

(a) **Structural Steel Work.**

(i) In case the material is procured by the Contractor, the Contractor shall submit the test certificate conforming to appropriate standards of all steel materials used for fabrication. All structure steel shall be free from rust, scales, lamination, cracks, fissures and other surface defects.

(ii) Steel used for construction exposed to weather or other corrosive influences shall not be less than 8 mm in thickness and in construction not exposed to weather, thickness shall not be less than 6 mm. The controlling thickness as specified above, for rolled beams and channels shall be taken as the mean thickness of flange, regardless of web thickness.

(iii) Sealed tubes and sealed hollow box sections used for external construction exposed to weather shall not be thinner than 4 mm and for construction not exposed to weather shall not be thinner than 3 mm.

(iv) All fabrication of structural steelwork shall be in accordance with IS: 800 and as per the approved drawings unless otherwise specified. The tolerances of fabrication of steel structures shall be in accordance with IS: 7215 unless otherwise specified.

(b) **Rectification / Modification / Strengthening of existing Structure.**

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

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

(c) **Metal Sheeting Work.**

(i) Supply of colour coated LYSAGHT® TRIMDEK® profile sheet of nominal 1072 mm overall width and nominal 28 mm deep ribs with subtle square fluting in the five pans at nominal 203 mm centre-to-centre.

(ii) The end rib shall be designed for anti-capillary action, to avoid any seepage of water through the lateral overlap. The feed material shall be of 0.5 mm Total Coated Thickness (0.45 mm BMT) COLORBOND® steel- High tensile with min 550 MPa yield strength, metallic hot-dipped coated with Al-Zn alloy (55% Aluminium, 43.5% Zinc, 1.5% Si) as per AS1397 / IS15961 - ZINCALUME® AZ150 (min. 150 g/m2 total on both sides) with Super Durable Polyester quality paint system with inorganic pigments lead free paint of approved colour, suitable for exterior application conforming to AS/NZS 2728 type-4 / IS15965 class 3 of Tata BlueScope Steel make.

(iii) The sheet shall have a total coating thickness of 35 microns, super durable polyester COLORBOND STEEL® with Thermatech™ solar reflectance technology quality paint system of 20 microns on exposed surface and 5-micron reverse polyester coat on back surface over 5-micron primer coat on both surfaces.

(iv) The paint system would have stable resin & inorganic pigments for paint durability and is lead free for water harvesting. The steel sheet shall have brand marking of "LYSAGHT TRIMDEK® -A Product of Tata BlueScope Steel Ltd" on back side at regular interval confirming genuineness of the material. (Colour Toba Blue)

(v) 55 mm & 25 mm self-tapping screw to be used with EPDM Washer of 16 mm dia & 3 mm thick washer including necessary sealants (silicon/butyl sealants for transverse laps).

(vi) Minimum 150 mm end lap and one corrugation minimum side lap is required to be maintained. All the lapping joint should be filled with mastic tape. Foam filler to be used wherever required.

(vii) Payment to be made on area of finished working Roof, Ridge, valley and Wall.

(viii) No extra payment to be made for Ridge and Corner flush.

(ix) Installation of sheeting will be done as per the recommendation / Drawings of OEM of Metal sheet.

(d) Polycarbonate Sheeting Work.

(i) Supply, transportation & delivery, erection and fixing in position 1.5mm thick corrugation polycarbonate sheets.

(ii) Sheet shall be UV protected as per IS 12866-1989

(iii) 10mm dia x 55 mm self-driving screw to be used with EPDM/other Washer of 16mm dia & 3mm thick washer including necessary sealants (silicon/butyl sealants for transverse laps)

(iv) 150 mm end lap and one corrugation minimum side lap is required to be maintained

(v) Payment to be made on area of finished working Roof, Ridge, valley and Wall

(vi) Colour of sheets shall be Natural white or tinted blue or as per the requirement of the Engineer, **Weather locked EPDM washer should be used.**

(e) Ventilation Work.

(i) 600 dia. (throat) vertical vane wind driven turbo ventilator on metal roof sheet including FRP base sheet with all fitting and fixtures along with all allied works all complete as per following technical specification:

SL. NO.	ITEMS	MOC	SPECIFICATION
01.	ROTO (Rotating Head)	Aluminium Alloy 8011 H2	Throat Diameter 24 "dia / 600 mm dia.
02.	Overall, Height	w / o base	425 mm
03.	Overall, Weight	w / o base	4.50 Kg.
04.	Vanes (Fins)	Aluminium Alloy 8011 H2	Thickness: 0.71 mm
05.	Top Plate	Aluminium Alloy 8011 H2	1.00 mm Thickness dia
06.	Bottom Ring (Mounting Ring)	Aluminium Alloy 8011 H2	Thickness: 1.00 mm
07.	Internal Supporting round rectangular bar	Aluminium Alloy 8011 H2	Thickness: 1.00 mm
08.	Centre Shaft	SS 304	19 mm (Solid) dia

09.	Inner Arms	SS 304	Strip
10.	Outer Arms	SS 304	Patti
11.	Bearing Housing Plate	Aluminium	90 mm dia
12.	Rivets	Aluminium	3/16" dia x 5mm (L)- Aluminium with Washer
13.	Ball Bearing at Top & Bottom 6001 ZZ	SKF	Both Side Concealed
14.	Holding Bracket	Aluminium	Thickness: 4 mm
15.	FRP Base	UV Coated	Thickness: 2 mm

(f) **Concreting Work (Nominal & Ready Mixed Concrete).**

(i) The Contractor shall provide ready mixed concrete (RMC) including all labour, materials, equipment and incidentals required for proper execution and completion of all concrete work as specified in IS 456(Latest edition) and latest PWD schedule, West Bengal.

(ii) The Contractor shall not pour any concrete unless and until the representatives of the Engineer have inspected the formwork, reinforced steel and inserts and sleeves if any and given permission to place concrete.

(iii) The grade of RMC is M 25.

(iv) Where nominal concrete mixes are described as 1:1:2, 1:1.5:3 etc. The figures denote the relative proportions of cement, dry sand and graded stone aggregate respectively.

(v) Portland Pozzolana Cement (Grade-53) conforming to IS: 1489 (Part-I) (Fly ash based) to be used.

(vi) Shuttering shall be leaking proof steel shuttering /ply board at all locations for all shapes etc in all complete including de-shuttering of the same after specified period without damaging the concrete works as directed by Engineer-in charge, etc. Providing and applying approved form oil on all surfaces of formwork coming in contact with concrete as per specifications and drawings and as directed by Engineer in-charge. Shuttering shall be of leakproof.

(vii) Each layer of concrete shall be compacted fully before the succeeding layer is placed.

(viii) All concrete work shall be water cured for a minimum period of 7 days after concreting.

(g) **Steel Reinforcement.** Supplying TOR steel reinforcement (of approved manufacturer) of tested quality of any diameter up to 32mm dia minimum Fe 500D confirming to IS:1786 for reinforced concrete work in all sorts of structures at all depth and height including distribution bars, stirrups, binders etc. initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.

(h) **Masonry / Brickwork.**

(i) The bricks shall be locally available kiln burnt bricks of generally regular and uniform size, shape & colour, uniformly well burn but not over burnt.

(ii) The size of brick shall normally 230 mm x 115 mm x 75 mm. Bricks of one standard size shall be used on one work unless specially permitted by the Engineer

(iii) Fly ash brick as per IS-12894 of generally regular and uniform size, shape & colour may also be used. Testing of fly ash brick shall be done as per IS-3495 & IS-10077.

(iv) After immersion in water, absorption by weight shall not be exceeding 20% of dry weight of the brick when tested according to IS 1077 of latest edition. Unless otherwise specified the load to crush the brick when tested according to IS 1077 of latest edition shall not be less than 75 Kg/Sq.cm.

(v) Prior approval of Engineer shall be obtained for the brands of bricks to be used in the work after compliance with the above specifications/tests.

(vi) Unless otherwise specified, mortar for brick work shall be composed of 1:4 ratio i.e. 1 part of cement to 4 parts of sand.

(i) **Painting Work.**

(i) The Exterior and Interior Painting on all types of surfaces in accordance with the 'drawings and Schedule of finishes or as per the guideline explained in IS: 1477, IS: 2395 and as per direction of the Engineer and 'Schedule of Quantities'.

(ii) All surfaces for painting shall be properly sand papered and cleaned by mechanical buffing and where necessary good quality putty shall be used to hide all holes, cracks, open joints etc. The rate for painting includes such work.

(iii) Paint shall be applied with approved brushes and surfaces shall be sand papered after every coat. All work when completed shall present a smooth, clean solid and uniform surface, to the satisfaction of the Engineer-in- Charge.

(iv) All surfaces for painting, if they are new, should have a coat of suitable primer before application of the paint. Old surfaces where existing paints have been completely worn out owing to long use should also receive a coat of priming before application of fresh painting.

(v) Steel Primer: For steel surface red oxide primer, zinc chromate primer of approved brand and manufacture and as per direction of the Engineer-in-Charge is to be applied on the surface.

(vi) Acrylic Primer Coat (solvent based Primer): Acrylic primer coat is to be used as base coat on wall finish of cement, lime or lime cement plaster surface before application of any wall coating e.g. distemper, oil-based paints, synthetic enamel, acrylic emulsion etc. on them.

(vii) Enamel Paint: Enamel paint of approved brand and manufacture shall be used. Each coat shall be allowed to dry for 24 hours and lightly rubbed down with fine grade sand paper and dusted before the next coat is applied. The finished surface shall present an even and uniform appearance. Minimum thickness of paint should be 25µm/coat.

(viii) 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.

(ix) Epoxy Paint: The painting scheme include surface preparation to SA2 1/2 by blasting, 1st coat of inorganic zinc silicate primer of 65-micron, intermediate coat of epoxy high build MIO of 100 micron and two finish coats of high build epoxy of 2 x 100 micron.

Electrical Item	Make / Brand
200-300-WATT LED HIGH BAY	HAVELLS / CROMPTON / GE

(j) **Approved Makers / Brand.**

Item	Make / Brand
Metal Sheet	LYSAGHT TRIMDEK® -A Product of Tata BlueScope Steel Ltd
Cement	Lafarge / ACC / Ultratech
RMC	Lafarge / ACC / Ultratech
Stamp Concrete	ACC / Ultratech
Pervious concrete	ACC / Ultratech
Reinforcement Steel	TISCO / SAIL / ESSAR / RINL/ SRMB
Structural Steel	SAIL / TATA / JINDAL
Paint	Asian Paints / Berger / ICI / Nerolac
MS/GI Pipe	Tata/Jindal/Sail
Gate/Sluice Valve/ GM Wheel valve	H SARKAR /IVC/KIRLOSKAR/S.KOLLEY/ KAMALA CASTING ENGINEERING WORKS/JJ
HDPE Pipes	Supreme/Oriplast/Skipper/Astral
Tiles	Jhonson/Kajaria
UPVC/CPVC Pipe	Supreme/Oriplast
Plumbing/Sanitary fixture	Hindware/Paryware/ESCCO/Cera/ Johnson
Concrete chemicals	Sika/ Fosroc /Pidlite
Turbo Ventilator	600 mm Turbo Ventilator model Hurricane 600 – A Product of Sudha Ventilating system Pvt. Ltd.

LIGHT	
LED BATTEN TUBE LIGHT	HAVELLS / PHILIPS / CROMPTON
PVC SWITCH SOCKET BOARD/PVC GANG BOX	STANDARD
PIANO KEY SWITCH/SOCEKT	HAVELLS / ANCHOR / GM
CABLE	POLYCAB / KEI / HAVELLS / RR
MCCB / RCCB / MCB / ELCB, INDICATION LAMP / DIGITAL AMETER / VOLTMETER	LEGRAND / SCHNEIDER / L&T
MCB DB	LEGRAND / SCHNEIDER / L&T
MCB BOX	HAVELLS / ANCHOR / GM
EXHAUST FAN	HAVELLS / CROMPTON / ORIENT
COPPER TPN BUSBAR	STANDARD
GI EARTH STRIP/HOLLOW PIPE	STANDARD
PVC HDPE PIPE	STANDARD
LIGHTENING ARRESTER	STANDARD
CELLING FAN/ INDUSTRIAL PEDESTALFAN	HAVELLS / ANCHOR, GM / ORIENT / CROMPTON
WALL MOUNT FAN	HAVELLS / USHA / ORIENT
CASING CAPING/ FLEXIBLE PIPE/ PVC SHADDLE/ CASING KANTHI/ PVC TAPE	STANDARD
PVC ANGLE HOLDER	HAVELLS / PHILIPS / CROMPTON
SUBMERSIBLE PUMP/ DE WATERING PUMP	KSB / LUBI / CROMPTON
STREET LIGHT	HAVELLS / CROMPTON / GE
MANCULAR AXIAL FLOW PEDESTALFAN	MOTOR BRAND: MARATHON /KILOSKAR, BHARAT BIJLI STARTER BRAND: L&T, BCH,C&S
cable heat shrinkable straight jointing kit for LT cable	3M, Polycab and Standard

(k) **List of BOQ Items.** List of BOQ items considered under the scope of this tender. However, tenderer may point out any discrepancy or inclusion of any new BOQ item in the Pre-bid queries. BOQ is attached in Appendix-2

4. **Health and safety.**

(a) **Safety Guidelines to be adopted by the Contractors at GRSE Premises.**
The contractor shall provide & ensure use of ISI marked Industrial Safety Shoes, Safety Helmets, Retractable type Full Body Harness (Double Lanyard), Welding Fume Respirator, Safety Goggles, Hand Gloves, Boiler Suits & other necessary Personal Protective Equipment (PPEs) depending upon the nature of job while at work.

List of Personal Protective Equipment (PPE)

SL No.	NAME OF PPE	STANDARD
1	Safety Helmet	IS: 2925/EN: 397
2	Safety Footwear	IS: 15298/EN: ISO 20345
3	Safety Goggles	ANSI: 287.1 / EN: 166
4	Ear Plug	IS: 9167 / EN: 352
5	Hand Gloves	i. IS: 4770 for Electrical work. ii. EN: 420 for general requirement. iii. EN: 388 for Medical Hazard. iv. IS: 6994 / EN: 407 for heat applications (Gas Cutting / Welding)
6	Welding Fume Respirators & Dust Mask	IS: 9473 / EN: 149
7	Double lanyard Safety Belt & harness, automatic fall arrestor.	IS: 3521
8	Cotton Boiler Suit Cloth	IS: 177-1989 (Amended up to date), Variety 3

(b) **Hot Work Safety (Gas Cutting, Welding etc.).** Prior to commencement of hot work, surrounding areas (including other side of the bulkhead & deck) shall be inspected for the presence of any inflammable materials and no Hot Work shall be

carried out without obtaining Hot Work Permit from Fire Fighting Department of GRSE.

- (i) Adequate ventilation must be arranged while working in confined spaces throughout the period of carrying hot work.
- (ii) Damaged gas hoses & welding cables should not be used for gas cutting & welding job. Gas cutting hoses & copper welding cables must be ISI marked of reputed make. Use of Aluminium Welding Cable is prohibited during construction activities from fire safety point of view.
- (iii) The gas cutting hose should be separated from welding cables & electric cables.
- (iv) The welding holders, if energized, should not be left unattended.
- (v) All gas cutting torches shall be ISI marked of reputed make and must be fitted with standardized FLASH BACK ARRESTER.
- (vi) Full insulated welding holders (ISI marked) shall be used in construction jobs.
- (vii) During recess period (Lunch time and at the end of day's work) or when work is suspended for more than half an hour, the gas cutting hoses shall be disconnected from the cylinder valves and removed from ship's confined space and keep the same in an open area / Main Deck.
- (viii) All gas equipment shall be subjected to "Water Dip" test daily, before taking those on board. A record of the testing to be maintained by the person carrying out such test.
- (ix) Electric power shall be cut off from welding transformer end during recess period, at the end of day's work and whenever the work is stopped for at least half an hour.
- (x) During hot work activity at the overhead location and on the bulk head, a person must be deputed at the opposite side of hot work from fire safety point of view. xii. Use of LPG for gas cutting is strictly prohibited in the shipyard

(c) **Safety during Grinding.**

(i) All grinding machines shall be provided with standardized & non-expired grinding wheels of reputed make and shall be fitted with protective metal guards during grinding job.

(ii) Use of oversize grinding wheel is prohibited.

(iii) All grinding wheels shall be of reputed brand & make and shall be stored / handled carefully prior to taking into use.

(iv) Damaged grinding wheel shall be replaced forthwith for avoiding likely hood bursting of the Wheel.

(v) Suitable Safety Goggles / Transparent Face Shield to be used for protection of eyes against foreign body.

(vi) Double insulated type portable Grinding Machines to be used.

(d) **Safety precautions while working at height.**

(i) Prior to starting of any work at height from where a person may fall and get injured, "Height Work Permit" (Annexure - I) shall be issued by the concerned official of YM Department to the concerned contractor firm and to be forwarded to Safety Department for clearance.

(ii) The vendor representative / Supervisor shall check the height work area before commencement of height work & confirm to comply according to the checklist (as per Annexure – II).

(iii) All temporary scaffolding structure (Metal / Bamboo) should be erected with adequate stability of the structure and dimensions as per IS: 3969

(iv) While erecting the scaffolding structure and working on scaffolding platform, all concerned personnel shall wear full body harness with double Lanyard (safety belt) with anchoring the lifeline to the nearest rigid structure.

(v) The scaffold platforms to be provided with suitable hard barricading at the open sides. Top guard must be at least 42", mid 21", toe board 4" from the working surface and wooden working platform / planks to be secured at both ends for preventing over turning of the wooden planks.

(vi) The staging / scaffolding planks should be so arranged that there is no gap between them.

(vii) There should be sufficient lighting in and around the staging / Scaffolding, if the work is planned after the sunset.

(viii) Defective wooden planks (weak, rotten, cracked, split, bent) should never be used on staging. Staging planks to be checked thoroughly and defective planks should be replaced prior start of work.

(ix) While erecting scaffold, care should be taken to ensure that the distance between two transoms is not more than one metre

(x) Suitable Ladders should be tied / anchored at the top as well at the bottom to prevent dislodging from its position.

(xi) Where erection of scaffolding structure is not feasible / provided, appropriate type of Suspended Working Platform for single person in sitting posture (Boatswain's Chair) may be used by anchoring on to the fixed rigid structure in conjunction with use of double lanyard full body harness (safety belt) and automatic fall arrestor to prevent inadvertent fall of person from height.

(xii) As per requirement, Safety Net (having suitable mesh size) to be erected just below the work location to prevent fall of man, material and tools & tackles from height.

(xiii) 'Safety Tool Box' to be conducted by the Site In-charge / Supervisor of the contractor firm on regular basis prior to commencement of day's work and a register to be maintained at site with signature of the height workers, duly endorsed by the Site In charge of the firm.

(e) Safety precautions while working on fragile roof (A.C Sheet).

(i) Prior to starting of any job on fragile roof (A.C.Sheet), "Height Work Permit" (Annexure - I) shall be issued by the concerned official of Civil Department to the contractor firm and to be forwarded to Safety Department for clearance.

(ii) The vendor representative / supervisor shall check the height work area before commencement of height work & confirm to comply according to the checklist (as per Annexure – II).

(iii) While working on fragile roof (A.C.Sheet), dedicated Roof Ladder along with the full body harness with double lanyard (safety belt) shall be used on the top of the roof and safety belt to be anchored to a rigid structure above the roof.

(iv) Safety Net (having suitable mesh size) to be erected just below the work location to prevent fall of man, material and tools & tackles from height

- (v) Where a rigid structure is not available for anchoring the hook of safety belt (double lanyard full body harness), a dedicated horizontal life line of adequate strength to be erected above the roof for ensuring safe movement across / along the fragile roof.
- (vi) The underneath area of work on fragile roof shall be cordoned with cautionary tape with a minimum site clearance of 5 mtr. in all direction from the location of work and sufficient number of Cautionary Notice Board (in Bengali & Hindi Language) to be displayed & maintained at site for general information to the others / personnel working in the close vicinity.
- (vii) 'Safety Tool Box' to be conducted by the Site In-charge / Supervisor of the contractor firm on regular basis prior to commencement day's work and a register to be maintained at site with signature of the height workers, duly endorsed by the Site In charge of the firm.
- (viii) All personnel working on fragile roof, shall be well trained and conversant with the use of Roof Ladders, full body harness safety belt, anchorage of lanyard of harness on the horizontal lifeline etc.

(f) **Safety precautions during & after excavation of soil.**

- (i) Civil maintenance work which requires excavation of soil, shall be cordoned immediately with hard fencing of adequate strength, all around the excavated location, to prevent inadvertent fall of persons inside the trench.
- (ii) Such cordoned areas are also to be marked / identified with cautionary banners / danger tapes to attract attention of the moving vehicles inside the factory premises.
- (iii) After filling up of excavated locations, the said area should not be immediately left opened / allowed for vehicle movement until the total area is suitably settled & made strengthened to avoid any vehicle to be entrapped therein.

(g) **Electrical Safety.**

- (i) Only standardized electrical extension boards fitted with industrial type plug, socket and MCB, to be used at site for drawing temporary power from the nearby electrical outlet points.
- (ii) Use of damaged / worn out power cable, electrical extension boards, plug & sockets etc. are strictly prohibited at work site.

(iii) Electrically operated power tools (e.g. Cutting Wheel, Grinding Machines, Hand Held Concrete Vibrator etc.) shall be of double insulated type.

(iv) Contractor personnel of the firm shall not tamper / alter any electrical connection for exigency of work. For all type of required electrical support, GRSE electrical department shall be approached through proper channel.

(h) **Health & Safety Plan.**

(i) In addition to the GRSE's Health and Safety Guideline the Contractor must fully comply with all relevant Indian Health and Safety legislation. Nothing in the contract or this specification shall reduce his statutory obligations with respect to health and safety.

(ii) The Contractor shall be responsible for ensuring that his works are safe. To this end, contractor shall nominate a suitably qualified Health and Safety Manager who shall prepare a Health & Safety Plan for the works in accordance with GRSE guidelines/standards. The Contractor shall be responsible for implementing the Health & Safety Plan with respect to his works. The Health & Safety Plan shall, as a minimum, contain a Health & Safety Risk Assessment and a Health & Safety Management Plan.

(i) **Health & Safety Risk Assessment.**

(i) This shall identify all potential hazards to people that may arise due to the works. In this context "people" shall include anyone who may be affected by the works whether Contractor's personnel, Owner's personnel, other contractors' personnel, visitors, general public etc.

(ii) Hazards shall include those which may arise due to the interaction of the Contractor's own activities with those of others in the Main Yard including dockyard operations.

(iii) The risk assessment shall identify appropriate methods to eliminate or reduce the risk of the hazard occurring to the minimum that is reasonably practicable.

(iv) It shall define the specific ways in which each Hazard and its consequent Risk is to be minimised, for example by:

(v) Training of personnel.

(vi) Physical measures on site e.g. temporary works, barriers etc.

(vii) Methods of work on site.

(viii) Management e.g. permits to work; monitoring and control of potentially hazardous activities, co-ordination with other parties

(ix) Documentation e.g. method statements, maintenance manuals etc.

(j) Health & Safety Management Plan.

(i) This shall document the Contractor's plan for managing, co-ordinating, implementing, monitoring and controlling his activities with respect to Health & Safety.

(ii) It shall include an organisation chart which shall identify those personnel in the Contractor's organisation (office and site) who have particular responsibilities for Health & Safety matters, with their contact details.

(iii) The Contractor's Health & Safety Manager or his nominated representative shall be available at all times during the progress of the works

(iv) It shall include but not be limited to: -

(aa) Methods for assuring health and safety, both of his own personnel and that of other people in the shipyard who may be affected by the Contractor's activities.

(ab) Staff training and certification.

(ac) Accident reporting.

(ad) Reporting of non-compliance.

(ae) Safety Management and control of Sub-Contractors.

(af) Work Equipment, Plant, and Personal Protective Equipment.

(ag) First aid provision.

(ah) Emergency procedures.

(k) **Height work.** All height work shall be carried out adopting appropriate safety measures like erecting steel / iron scaffolding, use of cherry picker / man lift or any other suitable safe measure to carry out such jobs on obtaining proper height work permit from GRSE safety department. Safety belt, fall arrestor, PPE etc shall be used during any height work execution. GRSE safety norm shall be followed while work execution in side of the factory premises. Under no circumstance, safety shall be compromised.

5. **Other requirements.**

(a) **Contractor to Supply all Materials.**

(i) 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.

(ii) The Contractor shall comply with the relevant IS Codes.

(b) **Deployment of Resources.**

(i) Contractor shall provide adequate number of qualified & experienced workmen, experienced Engineers / Supervisors having technical qualification **not less than diploma in Civil Engg. (with at least 5 years experienced)** & also one experienced / qualified Safety Officer having requisite qualification in Industrial Safety, recognized by the State Govt. / AICTE and having at least 03 years working experience in industry / project work. The credentials of the vendor's safety personnel are to be submitted to Unit Safety Department duly endorsed by the concerned stakeholders mentioning the relevant P.O. No. and also have 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.

(ii) For execution of Electrical work, the contractor shall engage a qualified & experienced (minimum diploma holder in electrical engg. With 5 years' experience in electrical field) engineer/supervisor and the person should have valid Electrical Supervisor's License.

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

(c) **Testing of Materials and Acceptance.**

(i) 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.

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

(iii) Testing of materials shall be conducted as per the approved Quality Assurance Plan or relevant Indian Standards.

(iv) 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.

(d) Inspection by the Engineer.

(i) For Site inspection, the Contractor shall give adequate notice to the Engineer (authorised representative of GRSE).

(ii) 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.

(iii) The Contractor shall make all necessary arrangements to enable stage inspections by the Engineer.

(iv) The Engineer or his Representative shall have power to certify or disapprove/reject works or materials, in accordance with the Conditions of Contract.

(e) **Quality & Workmanship.** 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 any structure, 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.

(f) **Materials / Work not acceptable to Engineer.** 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.

(g) **Contractor to Commence Work.** The Contractor shall mobilize and commence the work on site within 15 days from issue of LOA/PO whichever is earlier. 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.

(h) **Supervision by the Contractor.**

(i) The Contractor shall engage experienced and qualified Engineers at site in day-to-day charge of the work and the Engineer should be authorized to receive instructions from the Engineer-In charge /GRSE. He shall receive orders given by the Engineer from time to time and shall act on them promptly. One fully responsible and experienced & Qualified Site-in-charge (Minimum Qualification: Diploma with 5 years' experience) has to be posted at the site during progress of work.

(ii) 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.

(iii) 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.

(iv) 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.

(i) **Setting Out.**

(i) 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.

(ii) The Contractor shall promptly notify the Engineer of any discrepancy in the setting out of the works.

(j) **Care of the Work.** 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.

(k) **Protection of the Existing Structures / Machines.**

(i) The Contractor will be responsible for the protection of all existing structures, machines, cranes, electrical installations, ship blocks, surrounding roads, pavements, drains etc. adjacent to and within the Works from any type of damage.

(ii) Before the commencement of work, the Contractor to take necessary precautions and measures to safeguard the existing structures/machines/materials/various installations/roads etc. and protect them from possible damages. For that the Contractor will arrange adequate safety nets, ropes, tarpaulin sheet, scaffolding, rubber mats etc. without any extra cost.

(iii) If any damage occurs by the Contractor or sub-contractor or contractor's workmen, will be recovered suitably from the Contractor.

(l) **Existing Roads & Shop floor to be kept clean.**

(i) 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.

(ii) Any damage caused by the Contractor to the surface of the roads or car parks shall be made good at his own cost.

(m) **Control of Pollution / Health Hazards.** The Contractor shall take care to comply with current legislation on the Control of Pollution.

(n) **Site-In charge / Log Book / Hindrance & other Records.**

(i) One fully responsible and experienced & Qualified Site-in-charge along with one experienced QA/QC Engineer (Minimum Qualification: Diploma with 5 years' experience) has to be posted at the site during progress of work.

(ii) One dedicated and experienced / Qualified Safety Officer at site having requisite qualification in Industrial Safety, recognized by the State Govt. / AICTE and working experience in industry / project work. The credentials of the vendor's safety personnel are to be submitted to Unit Safety Department duly endorsed by the concerned stakeholders mentioning the relevant P.O. No.

(iii) Details of technical personnel deployed for the job.

(iv) Log book for re-work/ modification.

(v) Site instruction book.

(vi) Details of materials brought by vendor along with copies of challan.

(vii) 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.

(o) **Clearance of Site**

(i) During construction work, the Contractor shall remove all unsalvageable dismantled materials, dismantled concrete, translucent sheets, north light glazing, 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.

(ii) 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.

(iii) The site shall be handed over in a tidy and workmanship manner.

(iv) 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.

6. Grse Scope of Supply.

(a) **Electricity.** 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.

(b) **Water.** 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.

7. Special terms and conditions of contract.

(a) **Technical Eligibility Criteria.**

(i) Bidder shall have experience of successful execution of Similar Nature /Type of Job i.e. Construction / Refurbishment/Renovation of shops/stores/ metal building / industrial shed during last Seven (07) years ending on last day of previous month of tender published date. 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. In case the work experience is of Private sector the completion certificate shall be supported by the copies of LOA/PO and corresponding TDS Certificates.

(ii) Bidder has to fulfill experience in successful completion of aforesaid similar jobs of value not less than Rs. 605 Lac (incl.GST) for one job OR not less than Rs. 378 Lac (incl.GST) each for two jobs OR not less than Rs. 302 Lac (incl.GST) each for three jobs in last Seven (07) years. The bidder must submit necessary proof duly endorsed along with the bid.

(b) **Site Condition.**

(i) The Tenderer shall consider that accommodation for personnel of the Contractor and their sub-contractors is not allowed to reside at GRSE premises.

(ii) All the work sites are within the compound of a running engineering works and the Contractor's works will have to be carried out in a manner so as to avoid interruption in the normal shipyard production activities. Accordingly, the Contractor is to co-operate with GRSE to minimize disruption to shipbuilding activities and is to preserve and maintain GRSE vehicular access route for the transport of ship blocks etc.

(iii) Tenderer must carefully consider his method of construction and safety of the works in relation to environmental factors and the ground conditions.

(iv) 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.

(c) **Site Consultations.** The work shall be carried out in consultation with the Yard Modernisation Department of GRSE headed by Dy. General Manager (YM), with other officers as nominated by him.

(d) **Award of Work.**

(i) L1 bidder will be decided based on the total quoted sum and work is awarded to L1 bidder with established rate.

(ii) GRSE reserves the right to discontinue/ short close the order at any part/stage/package of the project or reduce the quantum of work without assigning any reason thereof and other factors related to GRSE.

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

(f) **Completion Period.**

(i) The Period of Completion of the work will be 06 Months from the date of issuing of LOA/PO whichever is earlier.

(ii) However, 15 days mobilization time will be provided separately over and above-mentioned months after placement of LOA/ PO whichever is earlier.

(iii) The Tenderer, however, is required to assess the period and confirm the completion period. The tenderer must submit a detailed schedule explaining planning and program in detail for execution of the project. It is relevant to mention that as the existing stores/sheds are functional, so the work shall be done bay wise progressively and renovation of toilet, boring and allied works must go in parallel, coordinating concerned Dept. of GRSE. The Contractor shall work concurrently and accordingly plan for mobilization of material & manpower.

(g) **Guarantee Period / Defect Liability Period (DLP).** The work executed including supplied components thereof are to be guaranteed for satisfactory performance for the period of 12 (Twelve) 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'.

(h) **Submission of RA Bills by the Contractor.** The Contractor shall submit to the Engineer, RA bills (in triplicate) for the payments, for the amount due along with all relevant documents each signed by the Contractor's authorised representative, such interim measurement and valuation of the works, material entry documents, etc. signed by the Engineer's Representative, certificates of inspection/ trials, as may be applicable to respective stages. Works completed shall be jointly measured by the Contractor & Engineer /Engineer's representative.

(i) **Ownership of Scrap.** All scrap items (salvageable) i.e. Metal 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. However, steel embedded within concrete shall be disposed of from site by the Contractor along-with excess earth, debris and rubbish etc.

(j) **Completion Certificate.**

(i) 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.

(ii) 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.

(k) Variation and its Valuation.

(i) 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:

- (aa) Increase or decrease the quantity of any work included in the Contract.
- (ab) Omit any work included in the Contract.
- (ac) Change the character or quality of kind of any work included in the Contract.
- (ad) Execute extra and additional work of any kind necessary for completion of the works.

(ii) **Quantities in Price Schedule are estimated.** Quantity of various items mentioned in BOQ as part of SOTR given in the tender is tentative. The detail BOQ is attached with the SOTR. Individual item quantity may vary according to actual requirement of job during the tenure of the work/contract at any extent. 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. 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 considered 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 vary up to a maximum of 25% 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.

(iii) Payment for Extra, Additional, Omitted, Substituted Work.

(aa) 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.

(ab) 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.

(ac) 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.

(ad) Rates of item of work that is not included in the schedule of items/BOQ shall be fixed as per the following procedure:

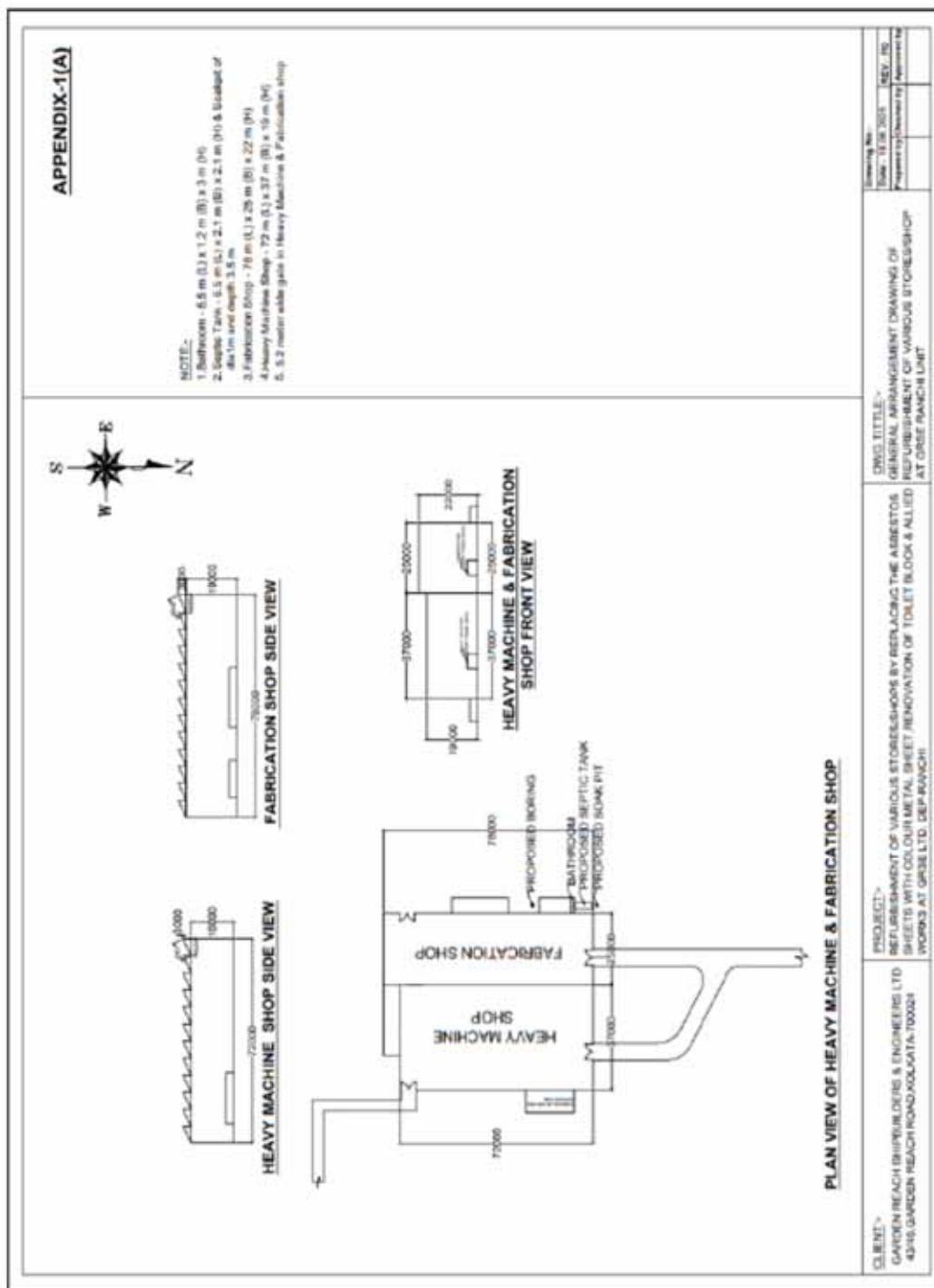
(ae) Where the extra works are of similar character and of equivalent value and / or executed under similar conditions as to any item of work appearing at Schedule of Quantities, then the rates for such extra items shall be equal to the rates of such items.

(af) 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.

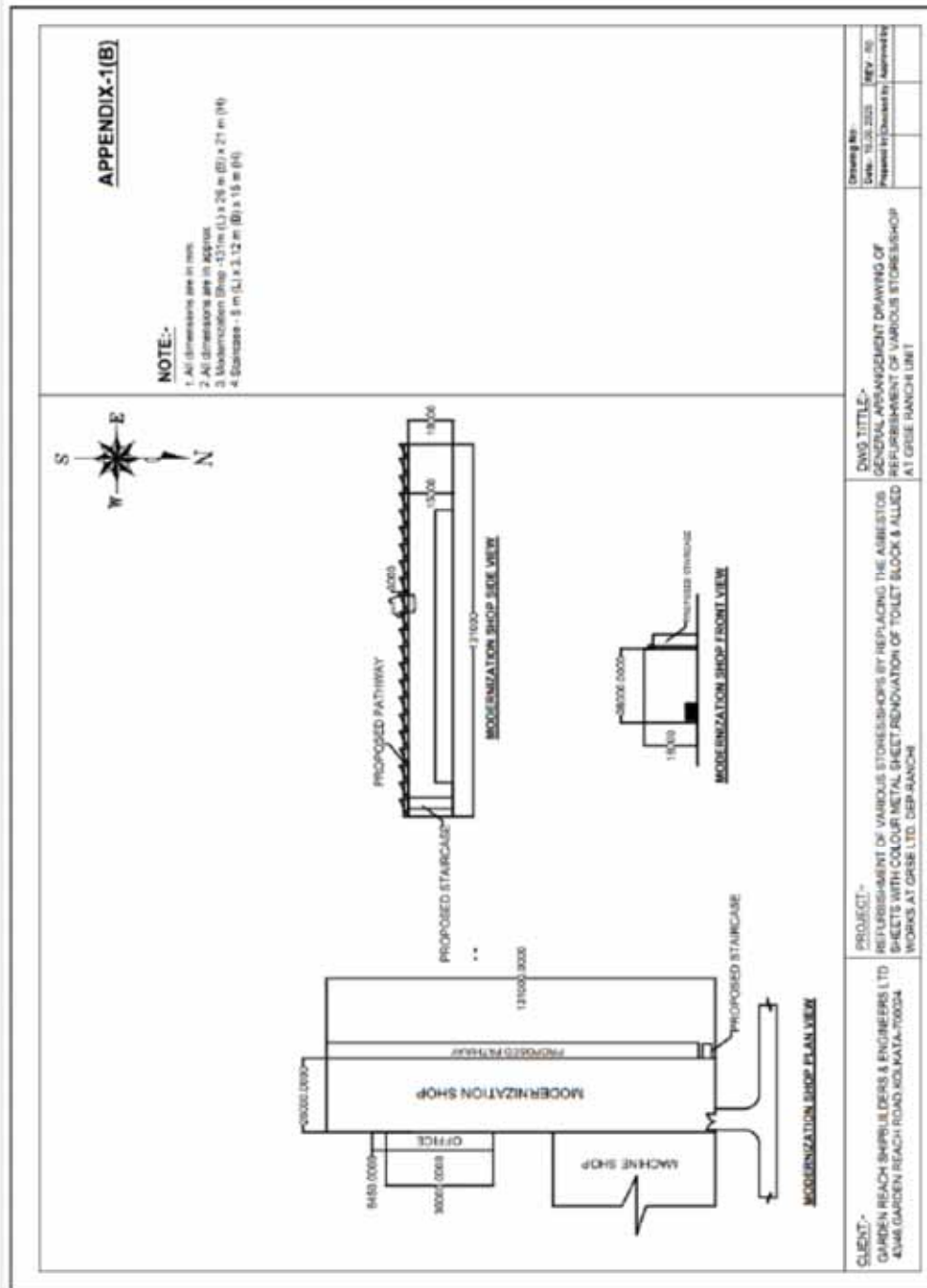
(ag) Where items of similar character are not contained in the Schedule of Quantities and none of the foregoing methods are applicable, rates shall be based on the norms of PWD/CPWD for labour, materials content respectively

(ah) 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.

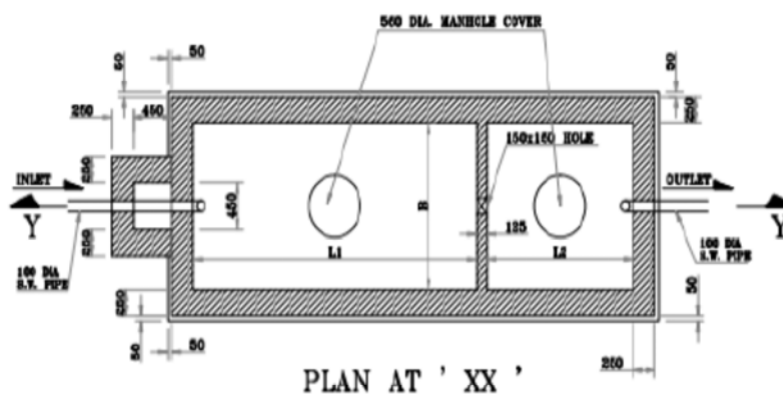
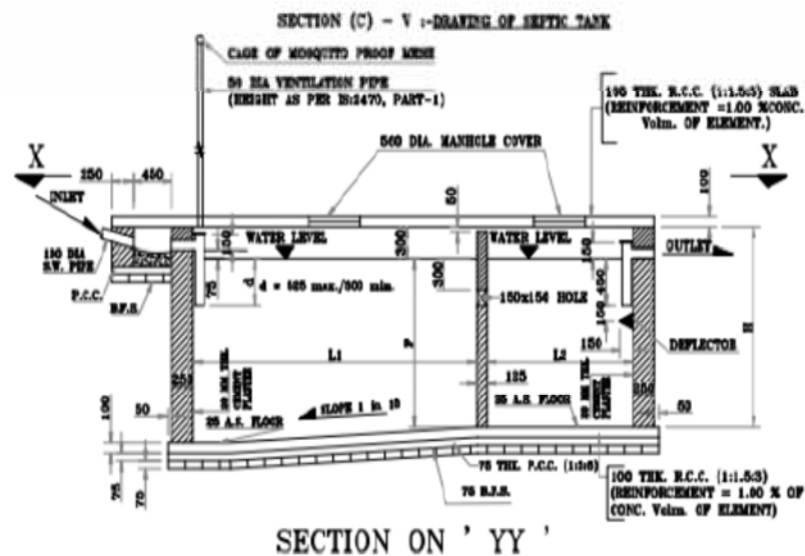
APPENDIX- 1(A)



APPENDIX-1(B)



APPENDIX-1(C)



NO. OF USER	L1	L2	B	F	H
250	5900	3000	2700	1400	1700
150	3900	1900	2100	1400	1700
50	3300	1700	1800	1300	1600
30	2000	1000	1500	1300	1600
20	1500	800	1100	1300	1600
10	1300	700	900	1000	1300

DETAILS OF SEPTIC TANK

SCALE : 1 : 50

ALL DIMENSIONS ARE IN MM



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)
Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024
दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144
वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

CIN / सी आई एन: L35111WB1934GOI007891

ANNEXURE-1B: BILL OF QUANTITIES

NIT SLA No / निविदा संख्या:	SCC/NK/NIC/OT(P)/RENO-RNC/107/RA-3272 Dated: 18-Aug-2025
Job Title / कार्य का नाम	RENOVATION WORKS AT DEP-RANCHI UNIT
SOR No:	YM/1/SOTR/MISC/REFURB/2025 DT.29.07.2025 (Annexure-1A)
Tender issuing Dept. / बिभाग द्वारा जारी	Contract Cell (संविदा बिभाग)

- (a) BOQ as part of SOTR given in the tender is tentative.
- (b) Quantity may vary according to actual requirement of job. The selected Bidders has to execute the additional quantity at same rate and terms & condition for successful completion of project.
- (c) Similarly, the quantity of individual items as well as total job value may be reduced also as per project requirement.
- (d) Payment for quantity variation including for extra, additional, omitted, substituted works shall be in conformation to Clause-7k of SOTR (Annexure-1A)
- (e) The tentative quantity against this tender is as detailed below:-

BOQ is as follows:

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
10		CIVIL WORK - MODERNIZATION SHOP		
10	10	Detail foundation and structural drawing and design of the structural stair and walkway. a. GA drawing b. All short of Civil drawing and detailing c. Structural Drawing and detailing d. Analysis of existing shop to support walkway for access the roof of structural shop and provide all structural drawing and detailing for retrofitting of existing steel structure. e. As Built drawing of old existing shop. f. Vetting of final design & drawing by State or central University like IEST/JU/IIT/NIT (All drawing should be submitted both in hard and soft copies along with PDF & Auto Cad files)	1	LS
10	20	Taking out carefully asbestos Sheeting, North light glazing, translucent sheet, glass panel etc.:- Taking out carefully asbestos Sheeting, North light glazing, translucent sheet, glass panel, CGI, CI sheet of roof, side valleys, ridge, louvers, side sheeting/cladding, gutters, Rain water downtakes pipe, wall etc of structural steel sheds of all sizes with all lead and lift after unscrewing bolts, nuts, screws, removal of wind tie etc with all necessary safety measures complete as per drawing or as instructed by the engineer and disposal of the dismantled materials (asbestos sheets, translucent sheets and nothlight glazing, grass pannel) out side GRSE area (to be arranged by the Contractor in conformity with statutory rules) and stacking of CGI, vally etc at GRSE . Payment will be made for net area of the sheeting. Lapping of any nature shall not be considered for payment. Dismantled asbestos sheets, translucent sheets and nothlight glazing will be property of contractor and the contractor while quoting his rate should take salvage value of these into account.	1000	Sqm
10	30	Clearing of Grass and Removal of Rubbish,Trimming of tree:- Clearing of grass, uprooting rank vegetation, bushes, shrubs, sapling and tress girth upto 300 mm removal of stumps of tree cut earlier and disposal of unserviceable materials and stacking of sericeable material to be used of auctioned, including removal of rubbish. Trimming of tree including cutting of trunks, branches upto a height of 20m and removal of stumps and rubbish as per direction of site-incharge within a lead of 1000 m	1500	Sqm



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
10	40	Stripping off worn out plaster and raking out joints of walls, celings etc.:- Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish.	1000	Sqm
10	50	Dismantling all types of masonry structure:- Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m	10	CUM
10	60	Dismantling all types of structure R.C. floor, PCC, roof, beams etc. structure:- Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars	10	CUM
10	70	Dismantling of MS structure in parts R.S. joists, channels, angles, tees, plates , Valley gutter etc.:- Labour for dismantling and cutting, lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates , Valley gutter etc.at any level complete as directed.	100	Qntl
10	80	M.S Structural works:- M.S. structural works in roof truss, columns, beams, stair, walkway, handrail, ladder, valley gutter, Runner for Ridge, Runner for polycarbonet sheet etc. with simple rolled structural members (e.g. joists, channels, angle, tees, flats, plates, tube, pipe etc. including hollow sections of square or rectangular shape) connected to one another with brackets, gussets, cleats as per design/drawing or direction complete, including supplying, fabrication, hoisting and bolted or welded with proper as procedure cleaning of structural surface/grit blasting/buffering including necessary gas cutting, drilling, providing and fixing of bolts, nuts, washers etc with 01 coat primer and 2 coat of aluminium paint. (Payment shall be made on the basis of calculated theoretical weight of structural members only in finished works. No additional payment for weld metal deposition, bolts, nuts and washers etc. shall be allowed) (40% payment will be released on receive of the Structural steel materials inside the GRSE premises along with subsequent clearance from engaging dept.).	64	MT
10	90	M.S Structural works for Strengthening of corroded structural steel members:- Strengthening of corroded structural steel members in roof, column, truss, ties, brackets, girders, base plates, hand rail etc. by replacing corroded steel members with new members or by fitting fixing with new additional steel sections (e.g. splice plate etc.) including fitting, fixing, field weld, edge preparation and other preparatory work complete, as per the drawing / instruction of EIC. (Payment will be made based on weight of the new structural steel member to be fixed. No separate payment will be made against cutting, drilling, welding, weld metal deposition, bolts, nuts and washers etc.)	3.5	MT
10	100	Supplying , fitting and fixing of color coated trapezoidal profile sheet in roof and wall:- Supplying , fitting and fixing single blue color coated trapezoidal profile for wall cladding, Roof shall be made of 0.45mm BMT (Base Metal Thickness) 0.50mm TCT (Total Coated Thickness excluding paint), G550 (minimum 550 yield strength), of Zinalume metallic coating (IS15965) with high Solar Reflectance Index (SRI) value for better cooling as per thermatch technology, 1000-1015mm effective cover width with five major corrugation, 28mm high rib spaced at 203mm c/c with subtle square fluting in the pan and the end rib shall have anti-capillary groove & return leg. The steel sheet shall be fastened with 40 micron zinc coated or 25 micron zinc-tin alloy coated, hex- head, self-drilling screw as per IS 3566-2002 class 3 fastener. The base steel shall be coated with zinc-aluminum alloy Zinalume (AZ150)(i.e, 55% Al, 43.4% Zinc, 1.6% Si) minimum of 150g/m2 coating total on both sides, pre-painted with colorbond XRW (exterior roofing, walling) paint system of 35 micron super Durable Polyester paint (SDP) with stable inorganic pigment with no lead contents confirming IS15965. The sheet shall be free from defects and have brand marking of the manufacturer giving product details on the back of the sheet at regular interval confirming genuinity of the material. In Roof, Ridge, valley and Wall with 0.50 mm thick sheet)(60% payment will be released on recive of the Zn-Al alloy sheet inside the GRSE premises along with sbsequent clearance from engaging dept.)	500	Sqm
10	110	Dismantling and removing of upvc pipe with fittings:- Dismantling and removing of upvc pipe with fittings including cutting upto a height of 18 to 20m and removal of pipe and fittings as per direction of site-incharge within a lead of 1000M. (i) Upto 100mm to 160mm Dia pipe	800.00	RM
10	120	Supplying, fitting & fixing UPVC pipes TYPE- A:- Supplying, fitting & fixing UPVC pipes A- Type including plain tee 160mm dia and Bend 160mm dia 87.5 degree and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc. if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valladolid/Bitumen/M-Seal etc.) A) UPVC Pipes: (iii) 160 mm. Dia.	1100.00	RM
10	130	Providing and laying in position design mix M25 grade concrete:- Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the	25.00	CUM

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete With approved concrete pump. Note:-The contractor has to show the cube test of concrete to the site incharge of 7 & 28 days and submit the test certificate of cube or material testing report as per request of site-incharge.		
10	140	Shuttering work:- Hire and labour charges for steel/plyboard shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (a) 25 mm to 30 mm thick wooden/steel shuttering as per decision & direction of Engineer-In-Charge.	40.00	Sqm
10	150	Reinforcement bar for RCC work:- Supplying tor steel reinforcement (of approved manufacturer) of tested quality of any diameter upto 32mm dia Fe 500 confirming to IS:1786 for reinforced concrete work in all sorts of structures at all depth and height including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.	3.00	MT
10	160	Providing and laying of polythene sheet:- Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches	40.00	Sqm
10	170	Chipping work of concrete and surfaces upto 40 to 50mm:- Chipping work of concrete surface upto 40 to 50 mm layout of plaster and pvc floor carpet,epoxy flooring etc.	3514.00	Sqm
10	180	Providing and laying in position M15 grade concrete:- Providing of Cement concrete of M15 grade (mix 1:2:4) with graded stone chips 6mm nominal size as per relevant IS codes including using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	40.00	CUM
10	190	Providing and laying in position M15 grade concrete with 20 mm srong chips:- Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.	5.00	CUM
10	200	Providing and laying Polyester Fibre mesh anti shrinkage material :- Adding Polyester Fibre mesh anti shrinkage material @ 0.25% by weight of cement [or as per Manufacturer's Specification] as reinforcement to arrest hair crack in concrete.	360.00	M2
10	210	Providing and laying water proofing and plasticising admixture:- Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	50.00	KG
10	220	Punning Work:- Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc	200.00	Sqm
10	230	Brick work:- Brick work with 1st class bricks in cement mortar (1:4) In superstructure, ground floor as per direction of site-incharge.	10.00	CUM
10	240	Plaster Work:- Plaster with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary. [including cost of chipping over concrete surface if required With 1:4 cement mortar , 20 mm thick plaster	900.00	Sqm
10	250	Providing and rendering putty on wall work:- Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick)	700.00	Sqm
10	260	Painting Two Coats of Old or New Concrete Surfaces with floor paint :- Painting Two Coats on Concrete Surfaces (Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces) Note:- Colour will be decided by the site-incharge	3100.00	Sqm
10	270	Providing two coat of oil bound distemper Work:- Providng two coat of oil bound distemper of approved shade and make over a coat of cement primer over new surface including preparing the plastered surface by rubbing smooth with pumic stone or fine sand paper applying putty where required scaffolding washing of floor and taxes all complete as per building specification and diredtion of site incharge.	1400.00	Sqm
10	280	Applying one coat of interior grade Acrylic Primer:- Applying Interior grade Acrylic Primer of approved quality and brand on plastered or cencrete surface old or new surface (a) One Coat i) Water based interior grade Acrylic Primer,including scaffolding/staging where necessary	6000.00	Sqm
10	290	Applying two coat of interior grade Acrylic emulsion paint:- Applying Acrylic Emulsion Paint of approved make and brand on walls	6000.00	Sqm



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		and ceiling (Two coats) ii) Luxury Quality, including scaffolding/staging where necessary		
10	300	Cleaning the old paint surface of plaster and concrete surface:- Removing old paint from blistered painted surface of steel or other metal surface of entire Modernization shop by chipping including scaffolding, scraping and cleaning and exposing the original surface.	1.00	LS
10	310	Primer on timber, plaster, steel and metals surface:- Priming one coat on timber or wood or plastered surface or steel or other metal surface of entire existing Modernization shop with synthetic oil bound primer of approved quality including scaffolding, smoothening surfaces by sand papering etc.	1.00	LS
10	320	Painting Two Coats of aluminium paint of Old or New metal Surfaces:- Two coat aluminium Painting of approved brand on entire steel structure of existing steel structure surface of entire Modernization shop including scaffolding (both inside and outside faces) .	1.00	LS
10	330	Excavation of soil with Dozer with lead upto 1000 meters:- Earth work in excavation including cleaning away vegetation, surbs, etc. if any, for foundation, trenches, drains in earth, soil of all types (ordinary /hard soil) in both dry and wet conditions, sand, gravel and soft murum, including dewatering, dressing of sides and ramming of bottom and remonal of excess earth/soil from GRSE premises etc. all complete as specified and as directed.(Mode of measurement shall be nett as per drawing).	100	CUM
10	340	Filling and compaction of soil in different layers:- Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete,With earth obtained from excavation of foundation	40	CUM
10	350	Brick soling with jhama bricks filled with sand:- Suplying and layingSingle Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	100	SQM
10	360	Making hole in wall and fixing with cement concrete:- Making holes in walls for fixing in cement concrete (1:2:4) tees bed of stone etc. includingthe cost of fixing the materials and disposal of debris with all leads etc. all complete as per direction of site incharge.	50	EACH
10	370	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement	30	SQM
10	380	Providing and applying one coat of primer and two coat of heat resistance paint:- Applying one coat of primer and two coats of heat resistance enamel paint in fuel tank of approved brand and complete as per site incharge. Note:-Colour will be decided by the site incharge.	150	SQM
10	390	Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy.	50	EACH
10	400	Sealing of crack / porous concrete with Epoxy Grout by injection through nipples complete	40	KG
10	410	Supplying, preparing and placement of ready mix non shrink cementious microconcrete having no metallic aggregate or chlorides for repairing and \lackting of damagedR.C.C.members. The micro concrete should achieve a compressive strength not less than 10 MPaafter 24 hours. 40 MPaafter 7 daysand 50Mpa afre 28 days at 300C. It should have unrestrained expansion in between 1 to 4%. flexural strength shall not be less than 5MPaafter 28 days. Micro concrete should have a co-efficient of thermal expansion similar to that of the host concrete.	3	CUM
10	420	Patching of damaged concrete surface with polymer concrete (25 mm nominal thick) and curing compounds, initiator and promoter, available in present formulations, to be applied as per instructions of manufacturer and as approved by the Engineer.	20	SQM
10	430	Repairing crack in by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. (Cement-69 Kg/100 m)	30	RM
10	440	Epoxy bonding of new concrete to old concrete	30	SQM
10	450	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 a)In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N	10	SQM
10	460	Ceramic tiles in walls and floors/ parking tiles:- Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.	120	SQM
10	470	Supplying & laying 3mm thick pre-fabricated plastomeric water proofing membrane conforming to EN 12311-1 & ASTM D 5147, manufactured with atactic poly propylene (APP) modified premium grade asphalt , specially reinforced with non-woven polyester core with polyester reinforcement @160 gms per sqm &	30	SQM

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		both faces covered with thermo-fusible polyethylene film /Mineral on top face over a coat of primer @ 0.40 lit/sqm of manufacturer's specification on smooth, clean dry surface prepared wherever required. Lap joint shall be provided of 75 mm in longitudinal & 100 mm in transverse direction and fused using LPG/ Propane torch employing extra care ensuring full bondage, complete removal of entrapped air and sealing edges into grooves in appropriate manner as per direction of Engineer -in-charge all complete including materials, labour and applicable taxes.		
10	480	Supplying and laying spreading of consolidating of stone dust:- Supplying, spreading and consolidating Stone Dust to a depth of 100 mm and above at desired density and C.B.R. as per Specification with power roller to proper gradient and camber including watering as necessary, and lighting, guarding, barricading and making adequate earthen bundh where necessary to protect the edges and curing with water for 2 to 3 days, mending cracks and depressions by rolling where necessary including all incidental charges of roller, cost of fuel & lubricants complete as per specification.	140	M3
10	490	Supplying and laying of 60mm thick paver block:- Supplying & laying as per IRC-SP:063-2004 paver unit of any shade of approved quality as per relevant IS code, laid in pattern as directed in pavement, footpath, driveway (paver block only), etc including necessary underlay complete in all respect with all labour and material. [Border concrete if necessary to be paid separately]. Note: Sub-grade CBR should not be less than 5. (c) 60 mm thick interlocking designer concrete paver block M35 grade for light-traffic zone, commercial & office complex, tourist resort as per IS: 15658-2006 (over 20-40 mm medium sand bed on 250mm thk WBM/ WMM base course & 250 mm thk bound gnauar /granular sub-base course including cost of sand for sand bed but excluding cost of base, sub-base course & subgrade preparation.)	30	M2
20	CIVIL WORK - FABRICATION & HEAVY MACHINE SHOP			
20	10	Detail foundation and structural drawing and design of the structural stair and walkway including toilet block. a. GA drawing b. All short of Civil drawing and detailing c. Structural Drawing and detailing d. Analysis of existing shop to support walkway for access the roof of structural shop and provide all structural drawing and detailing for retrofitting of existing steel structure. e. As Built drawing of old existing shop. f. Vetting of final design & drawing by State or central University like IEST/JU/IIT/NIT (All drawing should be submitted both in hard and soft copies along with PDF & Auto Cad files)	1	LS
20	20	Taking out carefully asbestos Sheeting, North light glazing, translucent sheet, glass panel etc.:- Taking out carefully asbestos Sheeting, North light glazing, translucent sheet, CGI, CI sheet of roof, side valleys, ridge, louvers, side sheeting/cladding, gutters, translucent glass, Rain water downtakes pipe, dismantling all electrical fittings highway light and cable with ms pipe, wall etc of structural steel sheds of all sizes with all lead and lift after unscrewing bolts, nuts, screws, removal of wind tie etc with all necessary safety measures complete as per drawing or as instructed by the engineer and disposal of the dismantled materials (asbestos sheets, translucent sheets and nothlight glazing) out side GRSE area (to be arranged by the Contractor in conformity with statutory rules) and stacking of CGI, vally etc at GRSE . Payment will be made for net area of the sheeting. Lapping of any nature shall not be considered for payment. Dismantled asbestos sheets, translucent sheets and nothlight glazing will be property of contractor and the contractor while quoting his rate should take salvage value of these into account.	16000	Sqm
20	30	Clearing of Grass and Removal of Rubbish, Trimming of tree:- Clearing of grass, uprooting rank vegetation, bushes, shrubs, sapling and tress girth upto 300 mm removal of stumps of tree cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used of auctioned, including removal of rubbish. Trimming of tree including cutting of trunks, branches upto a height of 20m and removal of stumps and rubbish as per direction of site-in-charge within a lead of 1000 m	3000	Sqm
20	40	Stripping off worn out plaster and raking out joints of walls, celings etc.:- Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish.	3000	Sqm
20	50	Dismantling all types of masonry structure:- Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m	100	CUM
20	60	Dismantling all types of structure R.C. floor, PCC, roof, beams etc. structure:- Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars	60	CUM
20	70	Dismantling all types of structure PCC structure:- Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.	5	CUM



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
20	80	Dismantling of MS structure in parts R.S. joists, channels, angles, tees, plates , Valley gutter etc.:- Labour for dismantling and cutting, lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates , Valley gutter etc.at any level complete as directed.	300	Qntl
20	90	M.S. structural and fabrication works with primer and two coat of aluminium paint:- M.S. structural works in roof truss, columns, beams, stair, walkway, handrail, ladder, valley gutter, Runner for Ridge, Runner for polycarbonet sheet etc. with simple rolled structural members (e.g. joists, channels, angle, tees, flats, plates, tube, pipe etc. including hollow sections of square or rectangular shape) connected to one another with brackets, gussets, cleats as per design/drawing or direction complete, including supplying, fabrication, hoisting and bolted or welded with as per procedure cleaning of structural surface/grit blasting/buffering including necessary gas cutting, drilling, providing and fixing of bolts, nuts, washers etc with 01 coat primer and 2 coat of aluminium paint. (Payment shall be made on the basis of calculated theoretical weight of structural members only in finished works. No additional payment for weld metal deposition, bolts, nuts and washers etc. shall be allowed) (40% payment will be released on receive of the Structural steel materials inside the GRSE premises along with subsequent clearance from engaging dept.).	85.57	MT
20	100	M.S Structural works for Strengthening of corroded structural steel members:- Strengthening of corroded structural steel members in roof, column, truss, ties, brackets, girders, base plates, hand rail etc. by replacing corroded steel members with new members or by fitting fixing with new additional steel sections (e.g. splice plate etc.) including fitting, fixing, field weld, edge preparation and other preparatory work complete, as per the drawing / instruction of EIC. (Payment will be made based on weight of the new structural steel member to be fixed. No separate payment will be made against cutting, drilling, welding, weld metal deposition, bolts, nuts and washers etc.)	3	MT
20	110	Supplying , fitting and fixing of color coated trapezoidal profile sheet in roof and wall:- Supplying , fitting and fixing single blue color coated trapezoidal profile for wall cladding, Roof shall be made of 0.45mm BMT (Base Metal Thickness) 0.50mm TCT (Total Coated Thickness excluding paint), G550 (minimum 550 yield strength), of Zinalume metallic coating (IS15965) with high Solar Reflectance Index (SRI) value for better cooling as per thermatch technology, 1000-1015mm effective cover width with five major corrugation, 28mm high rib spaced at 203mm c/c with subtle square fluting in the pan and the end rib shall have anti-capillary groove & return leg. The steel sheet shall be fastened with 40 micron zinc coated or 25 micron zinc-tin alloy coated, hex- head, self-drilling screw as per IS 3566-2002 class 3 fastener. The base steel shall be coated with zinc-aluminum alloy Zinalume (AZ150)(i.e, 55% Al, 43.4% Zinc, 1.6% Si) minimum of 150g/m2 coating total on both sides, pre-painted with colorbond XRW (exterior roofing, walling) paint system of 35 micron super Durable Polyester paint (SDP) with stable inorganic pigment with no lead contents confirming IS15965. The sheet shall be free from defects and have brand marking of the manufacturer giving product details on the back of the sheet at regular interval confirming genuinity of the material. In Roof, Ridge, valley and Wall with 0.50 mm thick sheet)(60% payment will be released on recive of the Zn-Al alloy sheet inside the GRSE premises along with sbsequent clearance from engaging dept.)	12600	Sqm
20	120	Supplying , fitting and fixing of Corrugation Polycarbonate clear sheet in roof and wall:- Supplying, fitting & fixing 1.5mm thick Corrugation Polycarbonate clear sheet made of national brand, excluding the supporting frame work, fitted and fixed with 10mm dia x 55mm Self-driving screws, Weather lock washers and putty complete with 150mm end lap and one corrugation minimum side lap complete as per specification & direction of Engineer - in - charge including materials, labour, taxes and all other incidental charges (60% payment will be released on recive of the Polycarbonate sheet inside the GRSE premises along with sbsequent clearance from engaging dept.)	3000.00	Sqm
20	130	Supplying, fitting and fixing in position fibre glass panes of approved quality with necessary scaffolding, frame, resin, nail, clip etc. as per IS:12866-1989. f) 04 to 5.0 mm thick (10.0 Kg/Sq.m) Note:- Vendor has to submit the technical details in Technical bid and confirm the thickness.	900	SQM
20	140	Supplying, fitting & fixing UPVC pipes A- Type:- Supplying, fitting & fixing UPVC pipes A- Type including plain tee 160mm dia and Bend 160mm dia 87.5 degree and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc. if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valladolid/Bitumen/M-Seal etc.) A) UPVC Pipes: (iii) 160 mm. Dia.	1150.00	RM
20	150	Providing and laying in position M15 grade concrete with 20 mm srone chips:- Providing & laying plain or reinforced cement concrete (mix 1:2:4) (1 cement: 2 coarse sand: 4 hard graded stone chips 20mm nominal size) as per IS:456 with graded stone chips (20 mm nominal size) as per relevant IS codes.at any height and depth excluding cost of shuttering and reinforcement but including curing etc. all complete as directed.	25.00	CUM

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
20	160	Providing and laying in position design mix M30 grade concrete:- Supplying ready mixed concrete of M 30 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete With approved concrete pump. Note:-The contractor has to show the cube test of concrete to the site incharge of 7 & 28 days and submit the test certificate of cube or material testing report as per request of site-incharge.	72.00	CUM
20	170	Providing and laying in position design mix M25 grade concrete:- Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete With approved concrete pump. Note:-The contractor has to show the cube test of concrete to the site incharge of 7 & 28 days and submit the test certificate of cube or material testing report as per request of site-incharge.	35.00	CUM
20	180	Shuttering works:- Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	50.00	Sqm
20	190	Providing of Reinforcement bars for RCC Work:- Supplying tor steel reinforcement (of approved manufacturer) of tested quality of any diameter upto 32mm dia Fe 500 confirming to IS:1786 for reinforced concrete work in all sorts of structures at all depth and height including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.	7.00	MT
20	200	Providing and laying of polythene sheet:- Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches	50.00	Sqm
20	210	Chipping work of concrete and surfaces upto 40 to 50mm:- Chipping work of concrete surface upto 40 to 50 mm layout of plaster and pvc floor carpet,epoxy flooring etc.	800.00	Sqm
20	220	Providing and laying in position M15 grade concrete:- Providing of Cement concrete of M15 grade (mix 1:2:4) with graded stone chips 6mm nominal size as per relevant IS codes including using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	22.00	CUM
20	230	Providing and laying Polyester Fibre mesh anti shrinkage material :- Adding Polyester Fibre mesh anti shrinkage material @ 0.25% by weight of cement [or as per Manufacturer's Specification] as reinforcement to arrest hair crack in concrete.	275.00	M2
20	240	Providing and laying water proofing and plasticising admixture:- Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	26.00	KG
20	250	Punning Work:- Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc	260.00	Sqm
20	260	Brick work:- Brick work with 1st class bricks in cement mortar (1:4) In superstructure, ground floor as per direction of site-incharge.	60.00	CUM
20	270	Brick work of 125 mm thick:- 125 mm. thick brick work with 1st class bricks in cement mortar (1:4)	100.00	Sqm
20	280	Plaster work:- Plaster with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary .[including cost of chipping over concrete surface if required With 1:4 cement mortar , 20 mm thick plaster	4500.00	Sqm
20	290	Applying one coat of exterior grade Acrylic Primer:- Applying One Coat Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface, ,including scaffolding/staging where necessary	2927.00	Sqm



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
20	300	Providing two coat of oil bound distemper Work:- Providing two coat of oil bound distemper of approved shade and make over a coat of cement primer over new surface including preparing the plastered surface by rubbing smooth with pumic stone or fine sand paper applying putty where required scaffolding washing of floor and taxes all complete as per building specification and direction of site incharge.	3000.00	Sqm
20	310	Applying one coat of interior grade Acrylic Primer:- Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface (a) One Coat(i) Water based interior grade Acrylic Primer including scaffolding/staging where necessary	2927.00	Sqm
20	320	Applying two coat of interior grade Acrylic emulsion paint:- Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling (Two coats) ii) Luxury Quality, including scaffolding/staging where necessary	2927.00	Sqm
20	330	Cleaning the old paint surface of plaster and concrete surface:- Removing old paint from blistered painted surface of steel or other metal surface of entire Heavy Machine and fabrication shop by chipping including scaffolding, scraping and cleaning and exposing the original surface	1.00	LS
20	340	Providing and applying one coat primer steel or other metal surfaces:- Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including cleaning and smoothening surfaces by sand papering before priming etc.	200.00	M2
20	350	Providing and applying two coat enamel paint of steel or other metal surfaces:- Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : (i) Two coats	200.00	M2
20	360	Providing and applying one coat of primer steel or other metal surfaces:- Priming one coat on timber or wood or plastered surface or steel or other metal surface of entire existing Heavy Machine and fabrication shop with synthetic oil bound primer of approved quality including scaffolding, smoothening surfaces by sand papering etc.	1.00	LS
20	370	Providing and applying two coat of aluminium paint of steel or other metal surfaces:- Two coat aluminium Painting of approved brand on entire steel structure other metal surface of entire existing Heavy Machine and fabrication shop of existing as well as modified steel structure and new fabricated /erected steel structure including scaffolding (both inside and outside faces) .	1.00	LS
20	380	Excavation of soil with Dozer with lead upto 1000 meters:- Earth work in excavation including cleaning away vegetation, surbs, etc. if any, for foundation, trenches, drains in earth, soil of all types (ordinary /hard soil) in both dry and wet conditions, sand, gravel and soft murum, including dewatering, dressing of sides and ramming of bottom and removal of excess earth/soil from GRSE premises etc. all complete as specified and as directed.(Mode of measurement shall be nett as per drawing).	200	CUM
20	390	Filling and compaction of soil in different layers:- Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete, With earth obtained from excavation of foundation	30	CUM
20	400	Brick soling with jhama bricks filled with sand:- Supplying and laying Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	5	SQM
20	410	Patching of damaged concrete surface with polymer concrete (25 mm nominal thick) and curing compounds, initiator and promoter, available in present formulations, to be applied as per instructions of manufacturer and as approved by the Engineer, including steel scaffolding/staging where necessary	50	Sq.m
20	420	Supplying, fitting & fixing of P.V.C water storage tank:- Supplying P.V.C water storage tank of approved quality with closed top with lid (black)-Multilayer (d) 2000 litre capacity	2	EACH
20	430	Supply, installation and commissioning of 600 dia. (throat) verticle vane wind driven turbo ventilator:- Supply, installation and commissioning of 600 dia. (throat) verticle vane wind driven turbo ventilator on metal roof sheet with all fitting and fixtures along with all allied works all complete as per technical specification.	50	EACH
20	440	Providing, fabricating and erecting lay type in tegular or drop type modular flase ceiling:- Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system. a) False Ceiling (with 4mm thick Pearl Designer Fibre Cement Board and E-Grid T-2430/1510).	200	M2
20	450	Making hole in wall and fixing with cement concrete:- Making holes in walls for fixing in cement concrete (1:2:4) tees bed of stone etc. including the cost of fixing the materials and disposal of debris with all leads etc. all complete as per direction of site incharge.	80	EACH
20	460	Supplying manpower for cleaning of cable trench close water pipe line:- Hire labour for cleaning of open and close water trench, cable trench etc. Complete as per direction of site incharge.	150	Man days

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
20	470	Sealing of cracks / porous concrete with Cement Grout by injection process through nipples/Grouting complete as per Technical specification	50	Kg
20	480	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement	30	SQM
20	490	Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	150	SQM
20	500	Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy.	50	EACH
20	510	Sealing of crack / porous concrete with Epoxy Grout by injection through nipples complete	20	KG
20	520	Providing and laying in position of ready mix non shrink cementitious microconcrete:- Supplying, preparing and placement of ready mix non shrink cementitious microconcrete having no metallic aggregate or chlorides for repairing and lapping of damaged R.C.C. members. Themicro concrete should achieve a compressive strength not less than 10 MPaafter 24 hours. 40 MPaafter 7 days and 50Mpa afre 28 days at 300C.It should have unrestrained expansion in between 1 to 4%. flexural strength shall not be less than 5MPaafter 28 days. Micro concrete should have a co-efficient of thermal expansion similar to that of the host concrete.	1	CUM
20	530	Patching and repairing work of damaged concrete surfaces:- Patching of damaged concrete surface with polymer concrete (25 mm nominal thick) and curing compounds, initiator and promoter, available in present formulations, to be applied as per instructions of manufacturer and as approved by the Engineer.	20	SQM
20	540	Repairing crack in by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. (Cement-69 Kg/100 m)	30	RM
20	550	Epoxy bonding of new concrete to old concrete	30	SQM
20	560	Clearing of Grass and Removal of Rubbish,Trimming of tree:- Clearing of grass, uprooting rank vegetation, bushes, shrubs, sapling and tress girth upto 300 mm removal of stumps of tree cut earlier and disposal of unserviceable materials and stacking of sericeable material to be used of auctioned, including removal of rubbish with mechanical broom of road, grass cleaning roadside and disposal of top organic soil and cleaning of asbestos sheet of parking area up to a height of 4 to 5m metres. Trimming of tree including cutting of trunks, branches upto a height of 20m and removal of stumps and rubbish as per direction of site-incharge within a lead of 1000 m	3500	M
20	570	Supplying & laying 3mm thick pre-fabricated plastomeric water proofing membrane:- Supplying & laying 3mm thick pre-fabricated plastomeric water proofing membrane conforming to EN 12311-1 & ASTM D 5147, manufactured with atactic poly propylene (APP) modified premium grade asphalt , specially reinforced with non-woven polyester core with polyester reinforcement @160 gms per sqm & both faces covered with thermo-fusible polyethylene film /Mineral on top face over a coat of primer @ 0.40 lit/sqm of manufacturer's specification on smooth, clean dry surface prepared wherever required.Lap joint shall be provided of 75 mm in longitudinal & 100 mm in transverse direction and fused using LPG/ Propane torch employing extra care ensuringfull bondage,complete removal of entrapped air and sealing edges into grooves in appropriate manner as per direction of Engineer -in-charge allcomplete including materials,labour and applicable taxes.	15	SQM
20	580	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row:- Providing and laying reinforced cement concrete pipe NP3 600 mm dia with spigot socket for culverts on first class bedding of granular material in single row including fixing with cement mortar 1:2 as per Technical Specification Clause 1106 for Rural Roads of MORD.	12	M
30	CIVIL WORK - RenovationToilet block & construction of septic tank			
30	10	Earth work in excavation of soil with dozer foundation trenches etc:- Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 1000 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation for additional depth beyond 1,500 mm. and upto 3000 mm.	80	M3
30	20	Brick work :- Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure, ground floor	25	M3
30	30	Providing & Placing of Cement concrete of (Mix 1:2:4):- Ordinary cement concrete (mix 1:2:4) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement,if any , in ground floor as per relevant IS codes.	5	M3
30	40	Shuttering works:- Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood	40	M2



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.		
30	50	Providing of Reinforcement bars for RCC Work:- Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (A) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel I. SAIL/ TATA/RINL	1000	KG
30	60	Providing & Placing of Cement concrete of M20 Grade:- Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	8	M3
30	70	Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mm thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I. (Mode of measurement compacted volume)	6.000	M3
30	80	Brick soling with jhama bricks filled with sand:- Single brick flat soling of picked jhama bricks including ramming and dressing bed proper level and filling joints with local sand.	50	M2
30	90	Plaster work :- Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4 cement mortar , (a) 20 mm thick plaster	150	M2
30	100	Providing of Neat Cement Punning:- Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per 100 sq.m	120	M2
30	110	Supplying, fitting & fixing UPVC pipes A- Type:- Supplying of UPVC pipes (A type) & fitting conforming to IS-13592-1992. With all necessary accessories, specials viz. socket, bend, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made (a) 160mm	30	M
30	120	Providing and laying Ceramic tiles in walls and floors:- Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface. if necessary or by synthetic adhesive & grout material etc. (A) Floor With sand cement Mortar (1:4) 20mm thick & 2mm thick cement slurry at back side of tiles using cement @ 2.91kg /Sq.m & joint filling using white cement slurry @ 0.20 kg/Sq.m. (a) Area of each tile above 0.09 Sq.m (i) coloured decorative	166	M2
30	130	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes:- Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007. With all necessary accessories, specials viz. socket, bend, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (i) 50mm	40	M
30	140	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes:- Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007. With all necessary accessories, specials viz. socket, bend, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (b) For Concealed Work (i) 40mm	250	M
30	150	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes:- Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007. With all necessary accessories,	70	M

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		specials viz. socket, bend, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (b) For Concealed Work (ii) 20mm		
30	160	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) brass fitting:- Supplying, fitting and fixing CPVC brass fitting With all necessary accessories, specials viz. socket, bend, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. As per required size or 20mm	40	EACH
30	170	Supplying, fitting and fixing CPVC socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(B) socket 20 mm	20	EACH
30	180	Supplying, fitting and fixing CPVC Equal Tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (C) Equal Tee 20 mm	30	EACH
30	190	Supplying, fitting and fixing CPVC Reducing Socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (D) Reducing Socket 40 mm x 40mm x25mm	10	EACH
30	200	Supplying, fitting and fixing CPVC Elbow (90°):- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (K) Elbow (90°) 20 mm	50	EACH
30	210	Supplying, fitting and fixing CPVC Elbow (45°):- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (L) Elbow (45°) 20 mm	5	EACH
30	220	Supplying, fitting and fixing CPVC cross tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (M) cross tee 20 mm	5	EACH
30	230	Supplying, fitting and fixing CPVC Pipe Clip:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (P) Pipe Clip 20 mm	100	EACH
30	240	Supplying, fitting and fixing CPVC Compact Compact Ball Valve with SS Handle :- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(R) c (i) 50mm	2	EACH
30	250	Supplying, fitting and fixing CPVC Compact Compact Ball Valve with SS Handle:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (Z) Compact Compact Ball Valve with SS Handle For CPVC/ UPVC Fittings. (i) 40mm	2	EACH
30	260	Supplying, fitting and fixing CPVC End Cap:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(G) End Cap (i) 40mm	10	EACH
30	270	Supplying, fitting and fixing CPVC Reducing Bush:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (F) Reducing Bush(i) 40 mm X20mm	20	EACH
30	280	Supplying, fitting and fixing CPVC Tank connecting nipple:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(I) Tank connecting nipple (i) 40 mm	2	EACH
30	290	Supplying, fitting and fixing CPVC Union:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(N) Union (i) 40mm	5	EACH
30	300	Supplying, fitting and fixing CPVC Ball Valve:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(Q) Ball Valve (i) 40mm	5	EACH
30	310	Supplying, fitting and fixing CPVC Reducing tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(D) Reducing tee (i) 40 mm x 40mm x25mm	3	EACH
30	320	Supplying, fitting and fixing CPVC Socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(B)	50	EACH



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		Socket 40 mm		
30	330	Supplying, fitting and fixing CPVC Equal Tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (C) Equal Tee 40 mm	10	EACH
30	340	Supplying, fitting and fixing CPVC Reducing Socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (D) Reducing Socket 25 mm X20 mm	3	EACH
30	350	Supplying, fitting and fixing CPVC Elbow (90°):- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (K) Elbow (90°) 40 mm	24	EACH
30	360	Supplying, fitting and fixing CPVC Cross Tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (L) Cross Tee 40 mm	2	EACH
30	370	Supplying, fitting and fixing CPVC Cross Tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (M) Cross Tee 40 mm	2	EACH
30	380	Supplying, fitting and fixing CPVC Pipe Clip:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(P) Pipe Clip 40 mm	100	EACH
30	390	Supplying, fitting and fixing CPVC Compact Compact Ball Valve with SS Handle:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007 (Z) Compact Compact Ball Valve with SS Handle For CPVC/ UPVC Fittings. (i) 50mm	3	EACH
30	400	Supplying, fitting and fixing CPVC end cap:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(G) End Cap (i) 50mm	3	EACH
30	410	Supplying, fitting and fixing CPVC Reducing Bush:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(F) Reducing Bush (i) 50 mm X20mm	2	EACH
30	420	Supplying, fitting and fixing CPVC tank connecting nipple:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(I) Tank connecting nipple (i) 50 mm	2	EACH
30	430	Supplying, fitting and fixing CPVC Union:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(N) Union (i) 50mm	2	EACH
30	440	Supplying, fitting and fixing CPVC ball valve:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(Q) Ball Valve (i) 50mm	1	EACH
30	450	Supplying, fitting and fixing CPVC reducing tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(D) Reducing tee(i) 50 mm x 50mm x40mm	1	EACH
30	460	Supplying, fitting and fixing CPVC socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(B) Socket 50 mm	12	EACH
30	470	Supplying, fitting and fixing CPVC equal tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(C) Equal Tee 50 mm	1	EACH
30	480	Supplying, fitting and fixing CPVC reducing socket:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(D) Reducing Socket 25 mm X20 mm	1	EACH
30	490	Supplying, fitting and fixing CPVC elbow (90°):- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(K) Elbow (90°) 50 mm	12	EACH
30	500	Supplying, fitting and fixing CPVC elbow (45°):- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(L) Elbow (45°) 50 mm	1	EACH
30	510	Supplying, fitting and fixing CPVC cross tee:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(M)	1	EACH

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		Cross Tee 50 mm		
30	520	Supplying, fitting and fixing CPVC pipe clip:- Supply, fittings & fixing of Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS-15778: 2007(P) Pipe Clip 50 mm	25	EACH
30	530	Cutting of trees, including cutting of trunks, branches and removal of stumps & roots:- Cutting of trees, including cutting of trunks, branches and refilling, compaction of backfilling and stacking of serviceable material by manual means with all lifts as per Technical Specifications Clause 201 for Rural Roads of MORTH. a. Lead upto 1000 m b. Girth above upto 4500 mm	20	EACH
30	540	Uprooting and Removing Stumps & roots:- Uprooting and Removing Stumps & roots, compaction of backfilling and stacking of serviceable material by manual means as per Technical Specifications Clause 201 for Rural Roads of MORTH. a. Lead upto 1000 m b. Girth above upto 4500 mm	10	EACH
30	550	Supplying, fitting & fixing of partly glazed partly panelled or fully glazed for single leaf Aluminium swing door:- Supplying, fitting & fixing of partly glazed partly panelled or fully glazed single leaf Aluminium swing door of all aluminium sections viz door frame (top and side frame), shutter(top rail, bottom rail, lock rail, door vertical) , glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium door With door spring,/aluminium hinges, glass / Panel board all complete as per architectural drawings and direction of Engineerincharge. (Excluding cost ofglass/ panel board, door spring/ Al hinges, door closer, door stoper, handle, tower bolt and locking arrangment etc)10-12 Micron thickness Anodizing film Natural white [Note : for estimate purpose construction wing may consider weight of Aluminium door @ 9.0 Kg per Sq.M]	160	KG
30	560	Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall:- Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and stainless Steelscrews forming grooves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP) (a) 4mm thick (0.25mm Al.+3.0mm LDPE +0.50mm Al. PVDF coating)	20	M2
30	570	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window:- Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, anodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge.10-12 Micron thickness Anodizing filmNatural white [Note : for estimate purpose construction wing may consider weight of 2-track Aluminium window @ 5.5 Kg per Sq.M.]	140	KG
30	580	Supplying,fitting & fixing bubble free float glass:- Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. ii) 4mm thick clear glass.	20	M2
30	590	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern:- Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	6	EACH
30	600	Supplying, fitting and fixing Shallow water closet Indian pattern (I.P.W.C.) of approved make in white vitreous chinaware in position (excluding cost of concrete for fixing). (i) 580 mm long	2	EACH
30	610	Supplying, fitting, and fixing 40mm high vitreous white glazed earthen EWC:- Supplying, fitting, and fixing 40mm high vitreous white glazed earthen E.W.C. with sheet cover P 'trap' of parry hindustan or any other approver I.S.S make including supplying and fixing of 15 litres C.I. mosquito proof low down flushing cistern of approved make with complete fitting with C.I. handle and R.S or bracket with telescopic flush pipe with brass coupling and plumber joints spindle stop cock of approved quality weight not less than 450gm 15mm P.V.C. alkathene pipe 45cm. long with brass coupling at both ends and white/black plastic solid state seal and lead of commander/cuckoo or other I.S.S. make with	4	EACH



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		hinges or screws with necessary bolts, nuts etc (a) With 'P' trap low level cistern		
30	620	Supplying, fitting, and fixing Chromium plated bib cock long body:- Chromium plated bib cock long body with wall flange with aerator (equivalent to code NO 512 & Model - tropical / smuthing special of ESSCO or hindware 15 mm	13	EACH
30	630	Supplying, fitting, and fixing Chromium plated stop cock/angle cock :-) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO 15 mm	12	EACH
30	640	Supplying, fitting, and fixing tower bolt:- Anodised aluminium barrel tower shocket bolts (full covered) of approved manufactured from extruded section conforming to I.S. specification (I.S. 204/74) fitted and fixed with codmium plated screws: (iv) 150mm long x10mm dia. bolt.	8	EACH
30	650	Supplying, fitting, and fixing anodised aluminium Aldrop:- Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete. (iv) 300mm x 19mm dia. bolt.	8	EACH
30	660	Supplying, fitting, and fixing Hinge:- Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 100mm. X 50mm. X 1.25mm.	24	EACH
30	670	Supplying, fitting, and fixing anodised aluminium grip handle:- Anodised aluminium grip handle with base plate of approved quality fitted and fixed complete. (a) With base plate (i) 165mm grip x 16mm dia rod x 42mm plate x 3.2 mm thick.	16	EACH
30	680	Supplying, fitting and fixing white vitreous china wash basin:- Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including Mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	4	EACH
30	690	Supplying, fitting and fixing CP 2-way bib Cock:- CP 2-way bib Cock - 15 mm, supplied, fitted and fixed. (Code No.5041 & Model - FLORENTINE of JAQUAR or similar brand).	3	EACH
30	700	Supplying, fitting and fixing pillar cock:- (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	6	EACH
30	710	Supplying, fitting and fixing best quality Indian make mirror:- Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	5	EACH
30	720	Supplying, fitting and fixing UPVC pipes:- Supply of UPVC pipes (A Type) & fittings conforming to IS-13592-1992 (A) (i) Single Socketed 3 Meter Length (b) 110 mm	30	M
30	730	Supplying, fitting and fixing UPVC plane tee:- Supply of UPVC pipes (A Type) & fittings conforming to IS-13592-1992 (ii) Plain Tee (b) 110 mm	4	EACH
30	740	Supplying, fitting and fixing UPVC Bend 87.5° :- Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (x) Bend 87.5° (b) 110 mm	4	EACH
30	750	Providing and fixing woode door frame with Ms clamp:- Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).	0.5	M3
30	760	Supplying, fitting and fixing solid flush type doors with all fittings:- Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position but excluding the cost of hinges and other fittings in ground floor. Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 100mm. X 50mm. X 1.25mm. (a) 35 mm thick shutters (single leaf)	25	M2
30	770	M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr	5	qntl

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
30	780	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame:- Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS: 4020 door testing performance criteria.. (ii) 66mm x 70mm	20	m
30	790	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters:- Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor.(ii) 25 mm thick	20	M2
30	800	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (b) 250mm long	8	EACH
30	810	Supplying, fitting and fixing 18 mm thick marble partition slab:- Supplying, fitting and fixing 18 mm thick marble partition slab with chawd doongri marble square cut, both sides polished with two front corners rounded and edges polished.	5	M2
30	820	Supplying, fitting and fixing Flat back urinal:- Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware flush pipe and waste pipe of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (ii) 470 mm X 280 mm X 340 mm	6	EACH
30	830	Supplying, fitting and fixing hand shower:- Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar)	6	EACH
30	840	Supplying, fitting and fixing shower:- Supplying, fitting and fixing shower of approved brand and make Chromium plated overhead Rain shower (Square), size-180x180mm with revolving joint (Model Code No. F7010501 of CERA or equivalent)	2	EACH
30	850	Supplying, fitting and fixing complete Bottle waste trap (Heavy Quality) PTMT Bottle trap 32 mm with connecting pipe (Prayag or equivalent)	2	EACH
30	860	Supplying, fitting and fixing gunmetal wheel valve:- Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). ,25mm	2	EACH
30	870	Supplying, fitting and fixing gunmetal wheel valve:- Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). ,15mm	2	EACH
30	880	Supplying, fitting and fixing porcelain soap tray:- Supplying, fitting and fixing porcelain soap tray of approved make.,150x150mm.	4	EACH
30	890	Supplying, fitting and fixing towel rail:- Supplying, fitting and fixing towel rail with two brackets made with aluminium 25mm. dia.,450mm long	3	EACH
30	900	Supplying, fitting and fixing C.I jali:- Supplying, fitting and fixing C.I. square jalli ,150mm.	10	EACH
30	910	Supplying manpower for cleaning of sewer drain pipe line:- Hire and labour charges for cleaning,clearing, of sewage drain pipe line, chamber of cement asbestos pipe etc. complete as per direction of site incharge. (i)100mm to 150mm dia upto	150	Man day
30	920	Supplying, fitting and fixing drainage cement pipe:- Pipes 200 mm dia, 2.5 m long for drainage cement concrete jointed, perforations ranging from 3 mm to 6 mm depending upon size of material surrounding the pipe, with 150 mm bedding below the pipe and 300 mm cushion above the pipe, excavations per site required & as per Clause 309 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). Excavated material to be utilised in roadway at site.	50	M
30	930	Construction of septic tank for 200 hundred users:- Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by	1	EACH



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		weight of cement with all costs of labour and materials. v) For 200 users With SAIL/TATA/RINL		
30	940	Construction of circular soak well 2.5 metre deep filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size):- Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. (SAIL/TATA/RINL)	1	EACH
40	CIVIL WORK - Construction of Deep boring			
40	10	Drilling by ODEX method for 200 mm dia. Tube well through any type of soil, boulder, rock as required at site for upto any depth below ground level incld. disposal of soil from the site etc. etc. including welding and welding materials all complete as per specification and direction of the Engineer-in-charge. 200 mm dia. a) GL to 60Mtr.	60.00	M
40	20	Drilling by ODEX method for 200 mm dia. Tube well through any type of soil, boulder, rock as required at site for upto any depth below ground level incld. disposal of soil from the site etc. etc. including welding and welding materials all complete as per specification and direction of the Engineer-in-charge. 200 mm dia. B) 60Mtr. to 100Mtr	40.00	M
40	30	Drilling by ODEX method for 200 mm dia. Tube well through any type of soil, boulder, rock as required at site for upto any depth below ground level incld. disposal of soil from the site etc. etc. including welding and welding materials all complete as per specification and direction of the Engineer-in-charge. 200 mm dia. C) 100Mtr and above	220.00	M
40	40	Lowering and placing of Filter assembly complete in all respect.	1.00	Item
40	50	Extraction and partening of casing pipe upto the required length to open the filter complete in all respect.	1.00	Item
40	60	Washing and developing the tube well with air compressor pump & engine for eight (8) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with V notch incld. Hire & labour charges for all tools & plants and scaffolding as required complete in all respect.	3.00	Days
40	70	Electro-logging charge	1.00	EACH
40	80	Supply and delivery of GI pipe conforming to IS code and reputed brand 200mm dia	55.00	M
40	90	Supply and delivery of UPVC pipe (CD) conforming to IS 12818:2010. (CIPET Certified) 150 mm dia	20.00	M
40	100	Supply and delivery of UPVC Deep Well Screen (RDS) Pipes with Ribs conforming to IS 12818:2010 .(CIPET Certified) a) 150 mm dia.	30.00	M
40	110	S/F/F of G.I. cap at top a) 200 mm dia.	1.00	Each
40	120	Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer - in- charge including cost of materials labour and equipment complete.	4.00	Cu. M
40	130	Packing the annular space between the outside of the housing pipe & the bore with puddled clay balls of approved size as per direction of the Engineer - in-charge with cost of materials & labour complete.	15.00	Cu. M
40	140	S/F/F of casing shoe 150mm dia	1.00	Each
40	150	Collecting Sample of water for bacteriological and chemical test from any depth at any time during execution at work incld. Hire & labour charges for tools & plants and sterilising the equipment. Paying all charges and fees, testing etc. complete in all respect as per direction.	1.00	L.S.
40	160	Supply and delivery of UPVC Reducer a) 200mmx 150 mm dia	1.00	Each
40	170	Supplying, fitting & fixing 250 mm M.S. housing clamp of approved quality	1.00	Per Set
40	180	Supplying 100mm dis submersible pump sets confirming to 8034 and motor confirming to IS 9283 pump shall be suitable for various delivery head and discharge with stainless steel pump shaft and polypropylene/noryl impeller. Motor suitable for working on 415 + 10, 3HP, 50 Hz, AC supply with cable guard,	1.00	Each

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		thrust carbon/fiber bearing to withstand entire hydraulic thrust, water proof winding shall be provided. The pump set shall be suitable for direct coupling Pump shall have suitable outlet as per manufacturers design. Anti thrust stream lined non return valve shall be provided with pump, 3 meter submersible copper conductor cable in single/double run shall be provided with each pump. Submersible pump set 100mm dia (with Polypropylene/Noryl Impeller) up to 30 stages 5HP		
40	190	Supply fitting and fixing of standard make starter panel Board with arrangement of all necessary protection including all taxes ,royalty etc all complete job as per direction of E/I.	1.00	Each
40	200	Supplying fitting and fixing 3 core 4 sqmm Flat copper submersible cable FINOLEX / HEVELS make including all taxes ,royalty etc all complete job as per direction of E/I.	150.00	M
40	210	Supply fitting and fixing lowering 50 mm dia G.L. column pipe - do - do - all complete job as per direction of E/I.	130.00	M
50	ELECTRICAL WORK- INSTALLATION AND COMMISSIONING OF HIGH-BAY LIGHT AT FABRICATION AND HEAVY MACHINE SHOP			
50	10	Supply of 200-300 watt led high bay light Fitting in Pressure Die Cast Aluminium Housing with Heat Resistant Glass, IP 66 Protection Having LM 79 LM 80 Tested. Light should be energy saving and environmental friendly long life LED street light made up of pressure die-cast aluminium housing with efficiency LED as lighting source and lens embedded PC cover having top opening separate drive compartment with impact resistance of IK07. Vendor to be submit in technical detail with drawing in technical bid.	120	EA
50	20	Supply and Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, 2.5 sqmm 03 core cable laying in Heavy duty PVC conduit including PVC Junction box . 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire. All supply items like cable, PVC pipe, junction box, cable and etc. are in vendor scope. Vendor to be submit in technical detail with drawing in technical bid. Note:SOTR Sr.No-A-3,4,5 & B-2,3 is included in this Sr.No	2500	MTR
50	30	Supply of indoor type auxiliary panel board made out from 20-gauge usage thick CRS heat duly painted. Panel should be 2 door type left side incoming part and right side with all outgoing part and all MCCB and MCBs and ELCBs should operate without opening the door. PANEL BOARD INSIDE ELECTRICAL ITEM: -Ø 160 amps 4p 16ka MCCB with spreader and door handle'-01 no.Ø 160 amps CU bus bar 3p+1n with front PVC cover-1 no.Ø 25amps DP mcb-11 nos.Ø 25 amps ELCB DP 30Ma-11 nos.Ø R-Y-B indication lamp- 3nos.Ø Digital volt meter with rotary switch-1 no.Ø Digital amp meter with rotary switch-1 no.Ø 200/5 current transformer- 3 nos.Ø 4amps 4 pole MCB (For meter power)- 1 no.Ø Copper earth strip at bottom. Ø Or Vendor to be submit in technical detail with drawing in technical bid.	1	EA
50	40	Installation and commissioning of 200-300watt high bay light with proper hooking arrangement also support with chain and earth wire connect with each light.All necessary scaffolding, safety net , other safety gadgets for execution of installation highway light in height (approx. 25 mtr) are in scope of vendor	105	EA
50	50	Supply and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 425 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, din bar, interconnection, power painted including earthing etc. as required. (But without MCB/MCCB/Isolator) 4 way (4+12) Double door	2	EA
50	60	Supply,Installation & commissioning of Heavy Duty 450 mm 900 rpm exhaust fan	4	EA
60	ELECTRICAL WORK- INSTALLATION AND COMMISSIONING OF ELECTRICAL POWER DISTRIBUTION AT FABRICATION AND HEAVY MACHINE SHOP			
60	10	Power distribution panel for light machine shop Supply of indoor type distribution panel board made of 16 or 20 gauge thick CRC heat duly siemens grey painted, water and dust proof. All outgoing feeder MCCB should be operated through extension handle and adequate space. Busbar should be proper size Copper/Aluminium made and all nut bolts should be GI coated. Cable alley chamber should have adequate space for cable connections and all cable entry should be bottom entry with metal gland. Nutral link and earth link should be Copper strip. Electrical switch gear fitted at panel 800 amps 3 pole 50 KA manual spring charging drawout with LSIG ACB: - 1 no. 320 amps 3 pole 36 KA MCCB: - 1 no. 250 amps 3 pole 25 KA MCCB: - 7 no. R-Y-B indication lamp: - 3 nos. 800/5 amps class 1 resing cast C.T: - 3 nos. Multi function meter: - 1 no. 4 amps 4 pole MCB (for meter and indication power): - 1 no copper earth strip at bottom Vendor to be submit in technical details with drawing in technical bid	1	Lot
60	20	Power distribution panel for heavy machine shop Supply of indoor type distribution panel board made of 16 or 20 gauge thick CRC heat duly siemens grey painted, water and dust proof. All outgoing feeder MCCB	1	Lot



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		should be operated through extension handle and adequate space. Busbar should be proper size Copper/Aluminium made and all nut bolts should be GI coated. Cable alley chamber should have adequate space for cable connections and all cable entry should be bottom entry with metal gland. Nutral link and eatrh link should be Copper strip. Electrical switch gear fitted at panel 800 amps 3 pole 50 KA manual spring charging drawout with LSIG ACB: - 1 no. 320 amps 3 pole 36 KA MCCB: - 1 no. 250 amps 3 pole 36 KA MCCB: - 6 no. R-Y-B indication lamp: - 3 nos. 800/5 amps class 1 resing cast C.T: - 3 nos. Multi function meter: - 1 no. 4 amps 4 pole MCB (for meter and indication power): - 1 no copper earth strip at bottom Vendor to be submit in technical details with drawing in technical bid		
60	30	Distribution plug socket panel box Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof. All industrial pug socket should be side mounted and the MCB cutout provided at the front side all cable entry at the bottom side with metal gland gland and two nos earth terminal provided. Electrical switch gear fitted at panel 32 amps 3 pole 10 ka "c" curve MCB: - 4 nos. 125 amps 3 pole 16ka MCCB: - 1 no. 150 amps Copper TPN busbar : - 1 set R-Y-B indication lamp: - 3 nos.. 32 amps 3p+E industrial panel mounting plug and socket:-4 no. Note: - All 32 amps socket wiring through 4 sq mm 1 core multi strand copper flexible FR wire. Vendor to be submit in technical details with drawing in technical bid	10	Nos.
60	40	Distribution panel box Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof. All industrial pug socket should be side mounted and the MCB cutout provided at the front side all cable entry at the bottom side with metal gland gland and two nos earth terminal provided. Electrical switch gear fitted at panel 32 amps 3 pole 10 ka "c" curve MCB: - 2 nos. 63 amps 3 pole 10 ka "c" curve MCB: - 2 nos. 160 amps 3 pole 16ka MCCB: - 1 no. 150 amps Copper TPN busbar : - 1 set R-Y-B indication lamp: - 3 nos... Note: - All 32 amps MCB wiring through 4 sq mm 1 core multi strand copper flexible FR wire. Vendor to be submit in technical details with drawing in technical bid	4	Nos.
60	50	Distribution panel box Supply of indoor type distribution panel board made of 16 or 20 guage thick CRC heat duly siemens grey painted, water and dust proof. All industrial pug socket should be side mounted and the MCB cutout provided at the front side all cable entry at the bottom side with metal gland gland and two nos earth terminal provided. Electrical switch gear fitted at panel 32 amps 2 pole 10 ka "c" curve MCB: - 2 nos. 16 amps 2 pole 10 ka "c" curve MCB: - 2 nos. 100 amps 3 pole 16ka MCCB: - 1 no. 100 amps Copper TPN busbar : - 1 set R-Y-B indication lamp: - 3 nos... Note: - All 32 and 16 amps MCB wiring through 4 sq mm 1 core multi strand copper flexible FR wire. Vendor to be submit in technical details with drawing in technical bid	4	Nos.
60	60	Supply of 120 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv Frls cable	500	Mtr.
60	70	Supply of 150 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv Frls cable	100	Mtr.
60	80	Supply of 50 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv Frls cable	400	Mtr.
60	90	Supply of 10 sq mm aluminium 3½ core pvc insulated flat armoured 1.1 kv Frls cable	200	Mtr.
60	100	Supply of 300 amps copper TPN busbar ,allcable entry at bottom and adequate space for cable connection	6	Nos.
60	110	Supply of 150 amps copper TPN busbar ,allcable entry at bottom and adequate space for cable connection	4	Nos.
60	120	Supply of 2 inch dia 5 ft long GI hollow pipe with earthing chemical	12	Nos.
60	130	Supply of 25x6 inch GI earth strip.	600	Mtr.
60	140	Supply of 120 mm dia and 3-4 MM thick PVC HDPE pipe	100	Mtr.
60	150	Supply of 40 mm dia and 2 MM thick heavy duty PVC HDPE pipe	100	Mtr.
60	160	Dismantling of all require Electrical panel, Main switch ,junction box, cable and etc. as per instruction of site in charge.	1	Lot
60	170	Installation and commissioning of electrical power distribution including any type of fabrication work, panel installation, cable laying & termination, JB Box mounting and etc.	1	Lot

Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
60	180	1.1 KV 240 SQMM 4 Core AL cable heat shrinkable straight jointing kit for LT cable	3	Nos.
60	190	Supply and fixing of galvanized iron metal lightening arrester for industry use . Spike no-5 and length 4 inch, rod length 8 to 10 ft, base plate 85×85 mm with 10 mm GI wire connect from arrester to earth pit with laying through Heavy duty PVC Pipe (each Approx. 75 to 80 feet).	4	Nos.
70	ELECTRICAL WORK- ONLY SUPPLY ITEAMS FOR ELECTRICAL WIRING OF OFFICES, STAFF ROOMS AND TOILETS IN FABRICATION AND HEAVY MACHINE SHOP			
70	10	20 watt LED batten tube light	60	Nos.
70	20	16 AMPS heavy duty PVC switch socket board	15	Nos.
70	30	3 switch + 3 socket heavy duty PVC gang box	20	Nos.
70	40	2 switch + 2 socket heavy duty PVC gang box	20	Nos.
70	50	1 switch + 1 socket heavy duty PVC gang box	20	Nos.
70	60	6 AMPS piano key switch	100	Nos.
70	70	6 AMPS socket	50	Nos.
70	80	16 AMPS piano key switch	30	Nos.
70	90	16 AMPS socket	30	Nos.
70	100	Celling fan 5 speed regulator	10	Nos.
70	110	Celling fan 1400mm blade	10	Nos.
70	120	Wall mount fan 400 mm	10	Nos.
70	130	16 AMPS single pole 10ka MCB	30	Nos.
70	140	6 AMPS single pole 10ka MCB	30	Nos.
70	150	4-way metal MCB box	15	Nos.
70	160	2-way metal MCB box	15	Nos.
70	170	16 AMPS MCB protected PVC socket box with top	15	Nos.
70	180	4 sq. mm single core FRLS multi strand copper flexible cable (90 Mtr. coil)	4	Coil
70	190	2.5 sq. mm single core FRLS multi strand copper flexible cable (90 Mtr. coil)	12	Coil
70	200	1.5 sq. mm single core FRLS multi strand copper flexible cable (90 Mtr. coil)	17	Coil
70	210	1.0 sq. mm single core FRLS multi strand copper flexible cable (90 Mtr. coil)	9	Coil
70	220	PVC celling rose with mounting	100	Nos.
70	230	PVC guija 1 inch	500	Nos.
70	240	PVC guija 1.5 inch	500	Nos.
70	250	1.5 inch PVC casing caping	100	Nos.
70	260	2.0 inch PVC casing caping	50	Nos.
70	270	1/2 inch PVC flexible pipe	50	Mtr.
70	280	1 inch PVC flexible pipe	50	Mtr.
70	290	Pin type MCB board supply busbar 13 pin	10	Nos.
70	300	16 MM PVC shaddle	100	Nos.
70	310	20 MM PVC shaddle	100	Nos.
70	320	Casing kanthi	1000	Nos.
70	330	PVC Tape	60	Nos.
70	340	Metal screw 1 inch	500	Nos.
70	350	PVC angle holder	50	Nos.
70	360	14 watt led bulb	50	Nos.
70	370	100 AMPS 18ka 4 pole MCCB with metal enclosure	5	Nos.
70	380	160 AMPS 18KA 4 POLE MCCB WITH METAL ENCLOSURE	5	Nos.
70	390	63 AMPS 18KA 4 POLE MCCB WITH METAL ENCLOSURE	5	Nos.
70	400	32 AMPS 10KA 4 POLE MCB WITH METALIC BOX	10	Nos.
70	410	63 AMPS 10KA 4 POLE MCB WITH METALIC BOX	10	Nos.
70	420	16 AMPS 10KA 2 POLE MCB WITH METALIC BOX	10	Nos.
70	430	32 AMPS 10KA 2 POLE MCB WITH METALIC BOX	10	Nos.
70	440	Supply of 1 HP De watering submersible pump	1	Nos.
70	450	Supply of 1 HP De watering pump	1	Nos.
70	460	Supply of 90/100 watt street light with 1 inch GI pipe angle fixure and double clamp.	20	Nos.
70	470	Supply PVC 1" Conduite pipe	30	Nos.
70	480	2.5 sq mm 3 core copper flexible cable	300	Mtr.
70	490	Supply of 200 watt led Flood light Fitting in Pressure Dia Cast Aluminium Housing with Heat Resistant Glass, IP 66 Protection Having LM 79 LM 80 Tested. Light should be energy saving and environmental friendly long life LED street light made up of pressure die-cast aluminium housing with efficiency LED as lighting source and lens embedded PC cover having top opening separate drive compartment with impact resistance of IK07. Vendor to be submit in technical detail with drawing in technical bid.	50	EA
70	500	Supply of Industrial mancular axial flow pedestalfan (Air Flow Capacity upto 10000 CFM) with suitable three phase starter. Size: 24", Motor 1HP Three Phase RPM1440 Motor Brand: Marathon, Kiloskar, Bharat Bijli Starter Brand: L&T, BCH,C&S	5	EA
70	510	Supply of Industrial pedestal fan (Air Flow Capacity upto 10000 CFM) Size: 600mm, 230V 50Hz Single Phase 1PH RPM 1400	5	EA
70	520	Foldable aluminium telescopic ladder 16.5 MTR. Make- Standard	2	Nos.
70	530	Hand drill machine Product Details Brand:-Kusam-Meco, Bosch, Fluke, Motwane	1	EA



Sl. No.	Sub Item No.	Description of Items	Total Qty.	Unit
		Specification Met Ø Output Type - 700 W or more Ø No Load Speed - 3000 rpm Ø Impact rate at, no load speed - 48000 bpm Ø Drilling Diameter Concrete - 16 mm Ø Drilling Diameter in steel-12 mm Ø Drilling Diameter Wood - 30 mm Ø Chuck Capacity - 1.5-13 mm Ø Accessories- Auxiliary Handle, Chuck key, Depth Gauge		
70	540	Hamme drill machineProduct Details Brand:- Kusam-Meco, Bosch, Fluke, MotwaneSpecification MetØ Output Type - 720 W Ø Maximum rotational speed-1550 rpmØ voltage - 230 VØ additional features - Lightweight, variable speed, compactØ No. of speed - 3Ø Drill type - Basic drillØ Drill capacity metal - 13 mmØ Drill capacity metal - 30 mm	1	EA

L1 offer shall be evaluated on TOTALITY BASIS through REVERSE AUCTION.

Subsequent to reverse auction the final rates shall be decided by reducing the initially offered rates of the successful vendor on prorata basis of the difference of initial quoted total price v/s final quoted total price.

Note:

- (i) Rate to be quoted in INR only
- (ii) UOM: Unit of Measurement

The bid shall not be considered if Price is indicated in any part of Techno-commercial offer (Part-I).



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)
Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024
दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144
वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

CIN / सी आई एन: L35111WB1934GOI007891

ANNEXURE 1C: PAYMENT TERMS

NIT SLA No / निविदा संख्या:	SCC/NK/NIC/OT(P)/RENO-RNC/107/RA-3272 Dated: 18-Aug-2025
Job Title / कार्य का नाम	RENOVATION WORKS AT DEP-RANCHI UNIT
SOR No:	YM/1/SOTR/MISC/REFURB/2025 DT.29.07.2025 (Annexure-1A)
Tender issuing Dept. / बिभाग द्वारा जारी	Contract Cell (संविदा बिभाग)

1. Payment Terms भुगतान की शर्तें:

- 90%** (Ninety percent) of the value of actual work done / stage payment will be paid against bill supported with Work Done Certificate.
 - 10%** (Ten percent) of the certified value of work shall be released on:-
 - Completion of the Guarantee period / defect liability period subject to satisfactory liquidation of defects duly certified by Bill Certifying Authority.
- OR**
- Submission of performance Bank Guarantee of equivalent amount valid till expiry of Guarantee period.
 - For releasing PBG after expiry of guarantee period, the PBG release application to be submitted to Contract Cell duly certified by Bill Certifying Authority.
- Payment will be made on actual certification basis.
- 100%** (Hundred Percent) of the Annual Maintenance Fees including taxes will be released by way of quarterly running bill (End of Qtr), evidenced by Work Done Certificate. Issue of WDC for AMC shall be subject to satisfactory Liquidation of Issues and Defects reported.
- Moreover, release of payment is subject to compliance of ESI / P.F and other labour oriented mandatory liabilities by the Contractor and clearance on the same by GRSE HR Dept.

2. Bill Certifying Authority बिल प्रमाणन प्राधिकर:

DGM (YM) of GRSE OR GRSE Officer nominated by certifying authority.

3. Bill Submission बिल प्रस्तुति:

- Invoice is to be raised after issue of Work Done / Completion Certificate.
- GST e-invoice are to be submitted to Bill Certifying Authority through OBPS portal with work done / completion certificate duly certified by WDC Authority.
- Payment shall be made through ECS/NEFT against submitted invoice as per payment terms of PO subject to compliance of labour laws and statutory dues where ever applicable.
- Transaction fee of Rs. 500.00 for first return & Rs. 1000.00 for subsequent return of bill with inappropriate / incomplete documents will be charged.

Note-1:

- All Vendors having turnover above Rs.5 Crore have to mandatorily submit E-Invoice.
- All Vendors having turnover below Rs. 5 Crore are also to submit E-Invoice/digitally signed invoice.

- (Vendors having turnover under Rs.5 Crore have option to created E-Invoice).
- (iii) Invoice in hard copy is not desirable.
- (iv) Gate in entry date will be treated as gate stamped date (as applicable).
- (v) Work Done/Completion certifying authority must be at least at the level of Dy. Manager.



गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

भारत सरकार का प्रतिष्ठान-#1 (A GOVERNMENT OF INDIA UNDERTAKING)
Address: 61, गार्डन रीच रोड, कोलकाता-700 024; 61, Garden Reach Road, Kolkata-700 024
दूरभाष / Phone: (033) 2469-8140 to 8143, फैक्स / FAX: (033) 2469-8144
वेब / Web site: www.grse.in, ई मेल / E-Mail: Gupta.Manoj@grse.co.in

CIN / सी आई एन: L35111WB1934GOI007891

ANNEXURE -2: STANDARD TERMS & CONDITIONS (STAC) मानक निबंधन और शर्तें (एसटीएससी)

STC 1 Integrity Pact / समग्रता अनुबंध

- STC 1.1. All the participating vendors in this tender are required to enter into agreement by signing an Integrity Pact if mandated.
- STC 1.2. "The Pact essentially envisages as agreement between the prospective vendors/bidders and the buyer, committing the persons/officials of both the parties, not to exercise any corrupt influence on any aspect of the contract".
- STC 1.3. Signing of Integrity Pact will be preliminary qualification for participation of this tender, only those vendors who have entered into this Pact with GRSE will qualify for the contract. This Integrity Pact will be effective from the stage of invitation of bids till the date of complete execution of this contract.
- STC 1.4. Signing Authority for Integrity Pact:
- STC. 1.4.1. Vendor: Proprietor / Director / Authorized representative
- STC. 1.4.2. GRSE: Head of the Ordering Department, not below the rank of DGM / AGM
- STC 1.5. Vendors need to sign on each page of the Integrity Pact document and provide the same on a Govt. issued bond paper of Rs.100/-. The scanned copy of the same need to be uploaded along with the technical Bid documents and original copy of the same to be forwarded to Tendering Department before the due date of the tender.
- STC 1.6. The vendor has to submit Integrity Pact as per GRSE Format along with Techno-commercial bid, wherever applicable as per NIT.

STC 2 Micro & Small Enterprise (सूक्ष्म और छोटे उद्यम)

- STC 2.1. Purchase preference will be given to eligible Micro and Small Enterprise firms as per MSME Act on submission of valid Udyam Registration Certificate (URC) or NSIC copy along with their offer to claim the benefit. Tendered Service is to be listed in the URC or NSIC submitted else they are disqualified to avail the benefit.
- STC 2.2. Out of 25% target of annual procurement from MSEs, 4% (within the 25%) reservation will be provided for MSEs owned by Schedule Caste (SC) /Scheduled Tribe (ST) entrepreneurs and 3% (within the 25%) reservation will be provided for MSEs owned by women entrepreneurs. Necessary documents to be submitted along with the techno-commercial bid as evidence failing which benefit shall not be accorded. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and L1 price, 4% reservation for MSEs owned by SC/ST entrepreneurs and 3% reservation for MSEs owned by women entrepreneurs will be met from other MSEs.
- STC 2.3. Following facilities/benefits may be given to MSEs: -
- STC. 2.3.1. Exemption for payment of Tender Fee & Earnest Money Deposit.
- STC. 2.3.2. Relaxation in prior Turnover and prior Experience Criteria (Specially for Start Ups- Certificate of DIPP is required to Claim the benefit)
- STC 2.4. Partial Order to MSEs in case engagement of Multiple Vendor is feasible:
- STC. 2.4.1. MSEs registered with MSME authority as stated above, quoting price within the band of L1 +15% will be allowed to supply a portion of the requirement by bringing down their price to

L1 price in a situation where the L1 price is from someone other than MSE. Such MSEs will be allowed to supply at least 25% of total tendered value. To avail this purchase preference, submission of Udyam Registration Certificate /NSIC is mandatory failing which the benefit will not be accorded.

- STC. 2.4.2. In case L1 is not an MSE and there is more than one MSE within the range of L1 + 15%, only the lowest MSE shall be considered for 25% order in case of divisible item or 100% in case the order quantity is not divisible, subject to matching the L1 prices.
- STC. 2.4.3. If the lowest MSE refuses to accept the L1 price, then the second lowest MSE within the range of L1 + 15% will be considered. This process will continue till a MSE in the range accepts the L1 price or the MSEs in the L1 + 15% range are exhausted.
- STC. 2.4.4. In case no MSE accepts the L1 price or there is no MSE available in the L1 + 15% range, then the order shall be placed to the L1 bidder without applying this principle.
- STC 2.5. Non-Divisibility of Tender Items: - In case of non-divisible / non-splittable item in tenders, an MSE quoting in the price band of L1+15% may be awarded for full/complete supply of total tendered value, considering the spirit of policy for enhancing the government procurement from MSEs subject to matching the L1 prices by the MSE concerned. However, contract will be awarded as per GOI policy and at discretion of GRSE.
- STC 2.6. To qualify for entitlement as SC/ST owned MSE, the SC/ST certificate issued by the District Authority must be submitted along with the offer or the same should be indicated in the relevant document NSIC / Udyam Registration Certificate.
- STC 2.7. For the MSEs owned by SC/ST owned entrepreneur, the benefits as stated above shall be accorded only in the following cases:
 - STC. 2.7.1. For proprietary MSE, proprietor(s) shall be SC/ST.
 - STC. 2.7.2. For partnership MSE, the SC/ST partners shall be holding at least 51% shares in the unit.
 - STC. 2.7.3. For Private Limited Companies, at least 51% share shall be held by SC/ST promoters.

STC 3 Tender Fee (निविदाशुल्क)

- STC 3.1. Amount of declared non-refundable tender fee is to be submitted in the form of Demand Draft / Pay Order, Payable at Kolkata and issued in favour of "Garden Reach Shipbuilders & Engineers Limited" by any Nationalized/Scheduled Bank other than Co-operative Bank. Physical DD/PO to be forwarded to Tendering Department of GRSE within 07 days of tender due date. A scanned copy of the same is to be uploaded as an attachment to the PART-I of e-bid submission.
- STC 3.2. MSE registered firms having the tendered service listed in their MSE document will be eligible for exemption of tender fee. To claim the exemption, a copy of the valid MSE certificate with its annexure is to be scanned and uploaded as an attachment to the PART I of e-bid submission. The same is to be confirmed in the techno-commercial concurrence format.
- STC 3.3. Exemption of Tender Fee is not applicable for JV / Consortium even if all the parties of the JV / Consortium are eligible for exemption on individual basis as per above.
- STC 3.4. Non-submission of tender fee or MSE / NSIC certificate (as applicable) may lead to offer rejection.

STC 4 EARNEST MONEY DEPOSIT (INTEREST FREE) बयाना जमा (ब्याज रहित)

- STC 4.1. Amount of declared interest free Earnest Money Deposit (EMD) is to be submitted in form of Demand Draft / Pay Order, Payable at Kolkata and issued in favour of "Garden Reach Shipbuilders & Engineers Limited" by any Nationalized/Scheduled Bank other than Co-operative Bank. Physical DD/PO to be forwarded to Tendering Department of GRSE within **05 days** of tender due date. A scanned copy of the same is to be uploaded as an attachment to the PART I e-bid submission.
- STC 4.2. EMD may also be submitted in the form of Bank Guarantee with six months validity as per enclosed GRSE format and is to be forwarded directly to Tendering Authority (indicated in NIT Terms & Requirement) by the Banker in Bankers' sealed envelope. Submission of Bank Guarantee by any other

means (except directly by Banker in Banker's sealed envelope) will not be accepted. Details of B.G. are to be mentioned and PDF copy to be uploaded in Part-1 (Techno-Commercial) of offer of Tender submission.

- STC 4.3. Vendors registered with GRSE shall be exempted from submission of EMD subject to submission of valid copy of the registration certificate issued by GRSE having tender's service similar to tendering service listed with the list of items / services which they are registered. In lieu, they shall be required to submit Bid Security Declaration as per format provided as Annexure in this NIT.
- STC 4.4. MSE registered firms having the tendered service listed in their MSE document will be eligible for exemption from submitting EMD. To claim the exemption a copy of the valid MSE certificate with its annexure is to be scanned and uploaded as an attachment to the General Document part of E-PROCUREMENT. The same is to be confirmed in the PART I concurrence format. In lieu, they shall be required to submit Bid Security Declaration as per format provided as Annexure in this NIT.
- STC 4.5. MSE Registered Firms has to be submit Bid Security Declaration In lieu of Earnest Money Deposit as per GRSE format.
- STC 4.6. Exemption of EMD is not applicable for JV / Consortium even if all the parties of the JV / Consortium are eligible for such exemption on individual basis.
- STC 4.7. Non-submission of EMD OR a valid GRSE vendor registration certificate / MSE certificate accompanied with Bid Security Declaration may lead to rejection of offer.
- STC 4.8. **Refund of Earnest Money Deposits**
- STC. 4.8.1. EMD of unsuccessful bidders will be refunded/ returned within 30 days of receipt of application by bidder addressed to Tendering Authority, GRSE after finalisation of order and on surrender of the original copy of GRSE Money Receipt (if applicable).
- STC. 4.8.2. EMD of bidders disqualified in TNC/CNC will be returned within 30 days of receipt of application by bidder addressed to Tendering Authority, GRSE after declaration of disqualification and on surrender of the original copy of GRSE Money Receipt (if applicable).
- STC. 4.8.3. EMD, if not claimed within 1 year from the date of notification EMD will be forfeited.
- STC. 4.8.4. EMD of successful bidder will be returned after receipt of security deposit against work order as per contractual terms.
- STC 4.9. **Forfeiture of Earnest Money Deposit** (बयाना जमा की जब्ती): EMD may be forfeited under the following circumstances:
- STC. 4.9.1. The bidder withdraws the bid after opening of Price Bid during the period of validity of offer.
- STC. 4.9.2. The bidder does not accept the correction of error in bid price as indicated in Clause pertaining to **CORRECTION OF ERRORS** hereinafter.
- STC. 4.9.3. The successful bidder fails within the specifies time limit to:
- Acknowledge the LOA/Order
 - Furnish the required Security Deposit
 - Non-performance of the contract by the Contractor

STC 5 VALIDITY OF OFFER (प्रस्ताव की वैधता)

- STC 5.1. Offer should remain valid for a period of as per terms of specific NIT Terms & Requirements from the date of opening of Part-1 (Tecno-commercial offer) of the tender.

STC 6 VENDOR'S CONFIRMATION W.R.T. LIMITED TENDER ENQUIRYs

- STC 6.1. In case of Limited tender any bidder is not interested to quote, Vendor's confirmation of having received the tender but not willing to quote / regretting to quote, must be forwarded for GRSE reference & records. This should be treated as a requirement for the Vendor's name to be retained

in GRSE's select list. In case where a particular Vendor has not responded to tender enquiry for more than 3 times, its name will be liable for de-registration.

STC 7 SECURITY DEPOSIT (INTEREST FREE) प्रतिभूति (ब्याज रहित)

- STC 7.1. Successful bidder will deposit an amount equivalent to the declared per cent of the total contract value as interest free Security Deposit (SD) in the form of Pay Order/D. D/Bank Guarantee (with validity of sixty days beyond contract period as per GRSE format) on any schedule bank other than Co-operative bank payable at Kolkata, duly crossed favouring Garden Reach Shipbuilders & Engineers Limited., within **15 days** from the date of receipt of Contract / LOA or PO/ site clearance as specified in the NIT.
- STC 7.2. In case of delay in submission of SD beyond aforementioned schedule, penal interest @ SLR plus 2% p.a. will be charged for delayed period of submission.
- STC 7.3. If Security Deposit is to be submitted in the form of Bank Guarantee the same should be executed on the non-judicial stamp paper of Rs.100/- which should be obtained in the name of the executing Banker. Bank guarantee must explicitly mention GRSE SAP PO no. else B.G. will not be accepted. In case a single stamp paper of Rs.100/- is not available, stamp paper of multiple denomination is acceptable provided serial no. of such stamp paper are consecutive and are purchased on the same date. Bank Guarantee should be executed strictly as per GRSE's format. Any alteration in the writing is required to be authenticated by the signatory executing the Bank Guarantee under official seal. Hard copy/Original B.G. must be submitted by vendor's bank in banker's sealed envelope directly to Ordering Authority of GRSE. Submission of Bank Guarantee by any other means (except directly by Banker in Banker's sealed envelope) will not be accepted.
- STC 7.4. BG in PDF is to be uploaded by vendor in OBPS portal.
- STC 7.5. S.D. amount would be refunded / returned after successful execution of the job and certification of Material Reconciliation Statement by Internal Audit, if applicable. Vendor is to apply for release of their SD along with Job Completion Certificate through GRSE Ordering Dept. In the event of failure to execute the order satisfactorily or default by the contractor/ sub-contractor, the security deposit will be forfeited.

STC 8 WORK DONE CERTIFICATE (W.D.C.) (किए हुए काम का प्रमाणपत्र)

- STC 8.1. Firm will put up Work Done for certification to site engineer /PL /or as specified in the NIT, along with clear inspection report signed by Quality Assurance Authority. W.D.C. is to include whether work has been completed as per delivery schedule or the delay in days/weeks occurred in completion of work.

STC 9 BILL SUBMISSION (बिल प्रस्तुति)

- STC 9.1. Invoice is to be raised after issue of Work Done / Completion Certificate.
- STC 9.2. GST e-invoice are to be submitted to Bill Certifying Authority through OBPS portal with work done /completion certificate duly certified by WDC Authority.
- STC 9.3. Payment shall be made against submitted invoice as per payment terms of PO subject to compliance of labour laws and statutory dues where ever applicable.
- STC 9.4. Transaction fee of Rs. 500.00 for first return & Rs. 1000.00 for subsequent return of bill with inappropriate / incomplete documents will be charged.

STC 10 COMPLIANCE OF ESI & PF (ईएसआई और पीएफ का अनुपालन) / EMPLOYEE COMPENSATION POLICY

- STC 10.1. Compliance of ESI & PF of the engaged workman is the responsibility of the contractor.
- STC 10.2. For execution of job inside GRSE premises, vendor has to obtain clearance from HR Dept. regarding statutory compliance of minimum wages, PF, ESI, etc. of their engaged workmen for release of payment.

STC 10.3. In case the personnel engaged by the Contractor inside GRSE are out of the purview of ESI then they should be covered under Employee Compensation policy (covering benefits under EC Act). Further, it is suggested to cover the Contractor's employees under a Medclaim policy so that hospitalization benefit can be provided in case of any medical emergency arising during the course of employment.

STC 11 POLICE VERIFICATION FOR CONTRACT LABOUR WORKMEN (ठेका श्रमिकों का पुलिस सत्यापन)

STC 11.1. Police Verification certificates of character antecedents in respect of all employees of Contractors/Sub-contractors for operating inside GRSE Ltd. are required to be submitted to Security Dept./GRSE Ltd. before processing of Gate Passes.

STC 11.2. A certificate from the contractor's labour, clearly endorsing that characters of all his labourers have been duly verified and found to be satisfactory be submitted to GRSE at the time of making Gate Pass.

STC 11.3. Photo Identity Card /Gate Pass as required by GRSE will be arranged by the contractor for his employees at his own cost.

STC 12 GST REGISTRATION (जी एस टी पंजीकरण)

STC 12.1. The vendor will have to submit copy of GST registration certificate (Part A & Part B) along with the Technical bid. Any bidder without having GST Registration Certificate will not be considered for Ordering.

STC 13 GUARANTEE PERIOD (गारंटी अवधि)

STC 13.1. Guarantee / Warranty is applicable for a Period of as stipulated in NIT Terms & Requirements from the date of completion of work.

STC 13.2. Workmanship will be guaranteed for satisfactory performance for a period as stated in NIT. Any faulty work carried out by the sub-contractor is to be rectified by them within the time stipulated by the GRSE. In case of failure of sub- contractor to meet the ship's programme, outstanding deficiencies shall be rectified by GRSE and all costs of such work shall have to be borne by the sub-contractor).

STC 13.3. During guarantee/ warranty period if any equipment or any component thereof supplied by the contractor, suffers due to defective material and/ or due to improper design and/ or due to defective drawing or due to faulty workmanship, the contractor will assume full responsibility of rectification of such defective equipment or component thereof including all direct expenses relating to removal and re-positioning of the replacement/ repaired equipment or component thereof and subsequent test & trial, incurred thereon without any financial implication to GRSE.

STC 14 PRICE (मूल्य)

STC 14.1. For Tender in NIC Portal (एन आई सी पोर्टल टेंडर हेतु)

STC. 14.1.1. Price bid need to be filled up (excluding GST) in html format only through e-portal. No other attachment regarding price will be allowed, if so, then offer will be rejected. For break-up of prices, GRSE may attach excel sheet with the html format price bid and the bidder has to fill up their prices in excel sheet and also in html format as per instruction in NIT.

STC 14.2. For Tender in GeM Portal (जे ई एम पोर्टल टेंडर हेतु)

STC. 14.2.1. Price bid needs to be filled up (with or without GST as specified in NIT) only through GeM portal for the total job.

STC. 14.2.2. The Bidder may have to upload the breakup of their quoted price in line with BOQ, as specified in NIT, along with their price offer in GeM portal.

STC. 14.2.3. The price should remain firm & fixed till satisfactory execution of the entire contract as per NIT. GST percentage has to be indicated in the offer. GST registration certificate for the service being tendered is to be enclosed with the techno-commercial bid. GST registration number is to be quoted in all bills.

STC 15 QUANTITY VARIATION (मात्रा भेद)

STC 15.1. Quantity as specified in the NIT/SOTR/Price Bid is tentative and it may vary according to the actual requirement of the job. The selected bidder has to execute the required quantity at the same rate, terms & conditions up to variation (+/-25%) or as specified in the NIT in addition to the initial tendered quantity. Necessary amendment of Purchase Orders will be issued accordingly.

STC 16 UNREASONABLE QUOTES अतर्कसंगत भा**STC 16.1. For Job Contract (कार्य संविदा हेतु)**

- STC. 16.1.1. 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.
- STC. 16.1.2. 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.
- STC. 16.1.3. 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.

STC 16.2. For Manpower Contract (श्रमशक्ति संविदा हेतु)

- STC. 16.2.1. The quoted price of the L1 bidder should comply with the prevailing Minimum Wages Act & Other Statutory requirements i.e PF, ESI etc.
- STC. 16.2.2. In case the quoted price of the L1 bidder is found unreasonably low i.e does not comply with the Minimum Wages Act & Other Statutory requirements and the L1 bidder fails to justify their quoted rate then the obtained L1 quote will be rejected and punitive action will be taken in line with the provision as per GRSE Vendor Policy.

STC 17 JOINT VENTURE (संयुक्त ऊधम)

STC 17.1. The bids submitted by a joint-venture company of two or more firms/persons/entities as partners/promoters shall comply with the following requirements:

- STC. 17.1.1. The Joint Venture Agreement must be a registered document under the Indian Registration Act and must be an independent and registered entity under the Companies Act/Indian Partnership Act, having its own trade name and having separate CIN, PAN, GST and other Statutory Licenses/Registrations independent of its promoters/partners.
- STC. 17.1.2. All partners/promoters of the joint venture shall be liable jointly and severally for the execution/performance of the project/contract and for all sorts of contractual obligations, responsibilities and liabilities and consequences arising out of breach of terms and conditions of contract.
- STC. 17.1.3. A Certified/True copy of the Joint Venture Agreement shall have to be submitted with the bid along with the resolution of Board of Directors (in case of a company) or a Power of Attorney to be executed by all the Partners (in case of Partnership Firm) of JV entity authorizing such person who will sign on behalf of JV entity.
- STC. 17.1.4. Submission of EMD/SDs/Performance Guarantee etc., to be made by the Joint Venture Company/Firm and similarly all payments would also be remitted to/in favour of the JV entity.
- STC. 17.1.5. In order for a joint venture to qualify/meet the minimum criteria as may be specified in the Tender, the experience and financial capability of each of its promoters/ partners would be

considered jointly to judge the experience and/or the financial capability of the JV entity as an independent entity. That is to say that the individual experience/qualification of each partner/promoter of the JV would be considered together for ascertaining the experience/qualification criteria of the JV. However, if any specific criteria/qualification is mentioned in the Tender that has to be met by each of the partners, then in such case each of the JV partner/promoters have to meet the same.

STC. 17.1.6. Neither the JV entity nor any of its partners/promoters should have been blacklisted, banned or debarred from issuing any Tender or suffering Tender Holiday from participating in any Tender process of Government of India or any of its Agencies or by any State Government or by an PSU (both Central & State included) or by any Court/Tribunal. If so, then the bid is liable to be rejected.

STC. 17.1.7. If selected, PO would be issued in favour of the JV.

STC 18 CONSORTIUM (अल्पकालीन संघटन)

STC 18.1. The bids submitted by a Consortium of two or more firms as partners shall comply with the following requirements:

STC. 18.1.1. There must be a written Agreement for formation of the Consortium amongst its members which should inter alia include the role of each member, the ratio of investment and the ratio of profit/loss sharing. The terms of the Agreement cannot be modified post submission of the bid and during execution of Contract, if awarded, without the express consent of GRSE. The Consortium Agreement must record that as to which member would act as the Lead Member in the Contract/Tender. This authorization shall be evidenced by submitting with the bid a Power of Attorney authorizing such member to act on its behalf as Lead Member, signed by legally authorized signatories of all other partners/members.

STC. 18.1.2. Each partner firm/company of a Consortium must legally authorize its representative who will represent the partner firm/company to sign and execute the Consortium Agreement and all other necessary papers/documents required for the formation of Consortium and all other purpose relating to activities of Consortium.

STC. 18.1.3. The leader shall be authorized to incur liabilities and to receive instruction for and on behalf of any and all partners/members of the consortium and the entire execution of the contract and all other related documents shall be done under the supervision and involvement of the lead member.

STC. 18.1.4. All partners of the consortium shall be liable jointly and severally for the execution of the project or contract without any limitation of liability. Any default or lapse on the part of any of the members of the Consortium regarding performance of the contract will be treated as default on the part of the Consortium as a whole and the Lead Member alone will be responsible for all consequential losses and damages that may be sustained by GRSE for such default or lapse on the part of a member.

STC. 18.1.5. A Certified True copy of the Consortium contract/agreement entered into by and between the consortium partners and a certified True copy of the Power of Attorney, referred above, must be submitted with the bid and failure to submit any of such documents will make the bid of the Consortium liable to be rejected.

STC. 18.1.6. If Contract is awarded to the Consortium, an Agreement would be executed by and between GRSE and all the Consortium members wherein, inter alia, the role of each member and the mode of payments to be specifically defined and/or mentioned. However, all the consortium members shall remain, jointly and severally, responsible for execution and completion of the Contract and also to make good for all losses and damages if any sustained or to be sustained by GRSE in the subject contract due to default and/or negligence of the Consortium as a whole or of any of its members. Any statement or clause seeking to limit the liability of each member of the Consortium, such statement or clause to be treated as incompatible with the

principle of joint and several liability and the bid of the Consortium will be liable to be rejected as not in compliance of tender specifications, without further evaluation.

- STC. 18.1.7. In order to qualify/meet the qualification criteria, each of its partners/members or combination of partners/members must meet the minimum criteria set for the individual bidder. Failure to comply with this requirement will result in rejection of the Consortium's bid. The data/figures of each of the partners/members of the Consortium shall be added together in proportion to their participation in the Consortium, to determine the bidder's capacity as a whole to comply with the minimum criteria.
- STC. 18.1.8. The percentage of partnership of the lead partner shall be highest among all the Consortium partners. Bid has to be submitted by the Lead Partner in its name however it should be clearly indicated that the lead partner is submitting such bid on behalf of a Consortium of which it is the Lead Partner.
- STC. 18.1.9. The lead partner shall be responsible for payment of Bid Security/EMD as well as the Security Deposit & Performance Guarantee. However, the same has to be submitted by MSME/NSIC firms also if such firm acts as a Lead partner.
- STC. 18.1.10. All Payments to be made to the Lead Member pursuant to satisfactory execution of the job as specified in the Contract irrespective of the performance by all the members. Payments made to Lead partner of the Consortium would be construed as valid payment. Further the Consortium members agree not to entangle GRSE in any internal dispute between the Consortium members regarding payment/non-payment or any other issue and accordingly waives their rights, if any in this regard.
- STC. 18.1.11. None of the consortium partners/members should have been blacklisted, banned or debarred or issued any Tender holiday from participating in Government Contracts by either the Government of India or any of its Agencies or by any State Government or by an PSU (both Central & State included) or by the Courts/Tribunals. If so, then the bid is liable to be rejected.

Note: The Consortium Agreement & the PoA is to be submitted by the Consortium's Lead partner along with the Bid for examination by GRSE. If the Consortium Agreement or the PoA does not meet the criteria as specified in the clause then such bid would be liable to be rejected.

STC 19 MAINTENANCE OF MACHINES (यंत्रों का अनुरक्षण)

- STC 19.1. The maintenance of machines brought in by contractors are to be undertaken as per OEM recommendations. Certificate to this effect is to be rendered by the contractor.

STC 20 SUB-CONTRACTING OF SUB-CONTRACTED JOB (उप संविदा कार्य का उप संविदा)

- STC 20.1. Sub-Contracting of the Sub-Contracted job is usually discouraged. When a contract is being finalised with a Vendor/ Contractor for execution of a particular job, the Contractor shall not sub-contract the job / a part of the job.
- STC 20.2. However, in case of requirement, the job in part or full could be sub-contracted with an approval from GRSE and copy of the same has to be forwarded to Ordering Dept. & HR Dept. for their information.
- STC 20.3. For sub-contracting of the sub-contracted job, the Vendor/Contractor has to submit the details of the sub-contractor to whom the job will be loaded including their name, credentials, document of past performance etc. for approval of GRSE Engineer In-Charge/ In-charge of User Dept./Project Leader / Project Superintendent /Head of Units.

STC 21 EXCESS/WASTE/REJECTED MATERIALS (अतिरिक्त/बेकार/ अस्वीकृत सामग्री)

- STC 21.1. Removal of excess/waste/rejected materials etc. generated during execution of work is to be arranged by the Contractor at their own cost immediately after completion of work each day and for non-removal of same by the Contractor, the expenditure incurred by GRSE (if any) in removing these materials will be recovered from the available dues of the Contractor.

STC 22 FIRE & SAFETY PRECAUTIONS अग्नि एवं संरक्षा सावधानियाँ

STC 22.1. The Vendor/Contractor shall abide by the Safety regulations/rules of the GRSE as detailed in Fire & Safety Guidelines (please refer www.grse.in). The Vendor/Contractor should take all safety precautions and provide adequate supervision & control for their workmen in order to carry out the job safely. In case of any violation of safety precaution and non-usage of safety equipment, Contractor shall be liable for a penalty which is detailed in Fire and Safety Guidelines (please refer www.grse.in). 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.

STC 23 SAFETY GUIDELINE FOR MATERIAL HANDLING EQUIPMENT (सामग्री चालन उपकरण हेतु मार्गदर्शन)

STC 23.1. The Vendor/Contractor shall abide by the Safety Guidelines /regulations of GRSE as detailed in NIT. The Vendor/Contractor should comply with all the Safety requirements like Statutory Examination and Certification of Crane & associated lifting tackles, Display of SWL, Competency requirement of Crane Operators, PUC etc. in order to carry out the job safely. In case of any violation GRSE will take appropriate action as per policy.

STC 24 MANDATORY USE OF ISI MARKED PPE BY CONTRACTOR EMPLOYEES (संविदा कर्मचारी द्वारा आई एस आई निशान पी पी ई व्यवहार की अनिवार्यता)

STC 24.1. 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:

STC 24.2. LIST OF PPES (पी पी ई की सूची)

Sl. No.	Description	Name of PPE	Applicable area of Protection	Standard
(i)	Head Protection	Safety Helmet	In the shop floor / on board ship / working at height / under the suspended load or any other place where there is any possibility of head injury.	IS: 2925 or EN 397.
(ii)	Foot Protection	Safety Shoes	(a) Mandatorily wear safety shoe while working in shop floor / on board ship/ Stores/ Dock floor or any other place where there is possibility of foot injury. (b) Mandatorily wear closed footwear while entering the shipyard. (c) Wear Rubber Gumboot while working in water logged condition for removing of water from ship's tank, compartment, Dock Galley etc., cleaning of Dock floor / acid pickling area/ canteen cooking and washing areas etc.	(a) IS 15298 / EN ISO 20345 (b) Non ISI (c) IS: 12254
(iii)	Eye Protection	Safety Goggles	When engaged for welding / gas cutting / grinding / chipping / painting / chemical handling or any other activity where there is a possibility for eye injury due to penetration of flying particles / ultra violet radiation / splashing of chemical etc.	ANSI Z87.1 or EN166.

Sl. No.	Description	Name of PPE	Applicable area of Protection	Standard
(iv)	Ear Protection	Ear Plug	In high noise area (>90 db).	IS: 9167/ EN 352
(v)	Hand Protection	Hand Gloves	(a) Leather Hand Gloves – During material handling / welding / gas cutting or any other activity where there is possibility of hand injury due to contact with sharp edges, hot spatter from welding or gas cutting processes. (b) Electrical Rubber Hand Gloves – While executing any electrical maintenance jobs. (c) Acid / Alkali Proof Rubber Hand gloves – During handling of acid, skin irritants chemical & solvent etc.	(a) IS:6994/EN 407 for heat applications (gas cutting / welding) / EN 420 for general requirement / EN 388 for mechanical hazard (b) IS 4770 for electrical work (c) EN 420 for general requirement (d) EN 388 for mechanical hazard
(vi)	Respiratory Protection	Welding Fume Respirator, Paint Fume Respirator or, Dust mask	Dust Respirator – To be worn during grinding job, floor cleaning, dusting or any other activity where there is possibility of producing dust. (b) Welding Fume Respirator – To be worn during welding, gas cutting, brazing job etc. (c) Chemical Respirator – To be worn during painting, mixing of paint with solvents & FRP activities handling of acid, skin irritants, chemical & solvents etc.	(a) IS: 9473 / EN: 149 (b) IS: 9473 / EN: 149 (c) IS: 15323 (Selection to be made according to the particular chemical hazard)
(vii)	Fall Protection	Double lanyard Safety Belt & harness, automatic fall arrestor	To be worn while working in height: (a) Double Lanyard Full Body Harness – During working at height such as on scaffolding structure / suspended working platform / ship's mast / fragile roof / inclined surface on the roof top or at any other height where there is a possibility of person to fall and get injured. (b) Automatic fall arrestor (in addition to full body harness) – To be worn during carrying out job in the vertical ascending / descending on the scaffolding structure, working on the suspended working platform and	(a) IS: 3521 (b) EN 361

Sl. No.	Description	Name of PPE	Applicable area of Protection	Standard
			inclined surface on the roof top, horizontal movement at height.	
(viii)	Electric Arc Flash Protection	Electric Arc rated flash suit jacket, pant, hood and gloves	To be worn during operation & maintenance of electrical installations inside the HT Switch Gear Rooms.	As per guideline of NFPA-70E
(ix)	Fire-Fighting protection	(a) Three Layer Fire Close Proximity Suit (b)Self-Contained Breathing Apparatus (SCBA) Set	Personnel engaged in Fire Fighting service should wear Fire Close Proximity Suit and use Self-Contained Breathing Apparatus (SCBA) Set during combating fire in a hazardous environment.	Fire Proximity Suit approved by EN-469:2005 + A1: 2006 +AC: 2006D and CE. Jacket & Trouser (EN-469) Hand Gloves (EN-659) Outer Head Protection Helmet (EN-443/1997) and inner Protection EN 1391, Self-Contained Breathing Apparatus(SCBA) Set, as per approval of CE and EN-137 CLASS II standards and Approval of PESO
(x)	Face protection	Industrial safety face shields with plastic visor	When person engaged for grinding / chipping / buffering or any other activity where there is a possibility for face injury due to penetration of flying particles	IS 8521 Design of visor may be selected as per design of safety helmet
(xi)	Protective Clothing	Cotton boiler-suit	In the shop floor / on board ship / production floor and in any other areas of operation.	IS: 177- 1989 (Reaffirmed in 2003), Variety 3 standard
	Note: Cotton-boiler suits should bear name of the contractors' firm on the back-side of the boiler-suit in legible manner for easy identification.			

STC 24.3. Role of Contractors

STC. 24.3.1. Shall ensure attendance of their workmen and other personnel deployed by them, in the scheduled safety-briefings, appropriate use of required PPEs and adoption of various safety measures in their respective workplaces.

STC. 24.3.2. Shall provide adequate and appropriate PPEs conforming to IS / EN standards, as mentioned at Para 3 and 4 of the Policy, at their own cost and ensure that their workmen mandatorily

use those PPEs as specified in this Policy vide Sl. No. 3 or as advised by Safety Department from time to time, according to the job requirement.

- STC. 24.3.3. Shall ensure submission of PPE Issue Matrix Register (as per Annexure – II) to the user department before commencement of work. Such Register should comprise of the name of the contractor, P.O No., name of the workmen being deployed, allotment of PPEs and signature of contractors' workmen substantiating allotment of PPEs to them as per the IS parameter laid down at Para 3 and 4 above.
- STC. 24.3.4. Every contractor should ensure that their workmen have undergone safety training programme, as per their nature of work, prior to commencement of work. Contractor has to submit a report to the engaging / user department after completion of safety training programme for obtaining permission to commence work under the particular P.O. A copy of that report has to be forwarded to Safety Department for information and record.
- STC. 24.3.5. In the event of any accident, the concerned contractor / their site In-charges / supervisors must immediately inform the respective dealing officer of user department regarding occurrence of such accident, who in turn will inform Works Manager of the respective unit and Officer from Safety Department for initiation of further necessary action.
- STC. 24.3.6. Ensure that no workman or other personnel deployed by them should loiter or work in shop floor, onboard ship or in the yard without wearing basic PPEs like helmet, safety shoes etc.

STC 24.4. Role of contractors' workmen

- STC. 24.4.1. Adhere to all necessary safety-guidelines at their work-sites and use appropriate PPEs.
- STC. 24.4.2. Inform their supervisors / site In-charges in the event of loss or damage of their safety gears / PPEs so that the same can be replaced immediately by the concerned contractor and should not be a reason for non-compliance.
- STC. 24.4.3. To communicate proper use of PPEs to their co-workers in the event there is any non-compliance.

STC 24.5. PENAL PROVISIONS FOR NON-COMPLIANCE

S/N	Type of violation	Penalty (INR)			
		1 st Instance	2 nd Instance	3 rd Instance	4 th Instance
(i)	Not having / not using PPEs properly	INR 10,000/-	INR 15,000/-	INR 20,000/-	Discontinued / debarred from participating in future tender upto 06 months / 02 consecutive tenders.
(ii)	Use of defective / non IS PPEs	INR 5,000/-	INR 10,000/-	INR 15,000/-	

STC 24.6. DISCONTINUATION OF CONTRACT

- STC. 24.6.1. In the case of repeated violation of safety guidelines, i.e, for more than 04 (four) instances during any Financial Year, GRSE shall have the sole discretion to terminate all / such affected contracts of the concerned non-complying contractor. GRSE may also impose Tender Holiday up to maximum period of 03 years in the event of 05 instances of violation. Tender Holiday will be issued on recommendation of existing Standing Committee and approval of Competent Authority.

STC 25 ENVIRONMENT MANAGEMENT AND OCCUPATIONAL HEALTH & SAFETY (पर्यावरण प्रबंधन एवं व्यावसायिक स्वास्थ्य सुरक्षा)

- STC 25.1. The vendor shall ensure compliance of Environment Management System (ISO14001:2014), Occupational Health & Safety (ISO 45001:2018) & Energy Management System (ISO 50001:2011) while carrying out their activity in the yard.

STC 26 MAINTAINING CLEANLINESS OF WORK SITE:

STC 26.1. Contractors are responsible to clean up the area of work from all sorts of debris at closing day's work. In case of non-compliance to the same, GRSE reserves the right to perform the cleaning activity and charge cost for the same on the contractor with additional penalty of Rs 5000/- per instance.

STC 27 ENERGY CONSERVATION (ऊर्जा संरक्षण)

STC 27.1. GRSE will provide power supply at free of cost for execution of job. The vendor should ensure that the power during execution of job shall be used in a very economical way to save energy as per Energy Management System of ISO 50001: 2011.

STC 28 AIR CONDITIONERS AT THE VENDORS' PREMISES/PORTA CABINS:-

STC 28.1. GRSE will allow fitment of portable ACs at the vendors' premises/PORTA cabins on chargeable basis. Following to be complied with respect to installation / usage of AC machines: -

(a) Installation of New AC Machines.

(i) ACs are to be of 5-Star Green rating upto a maximum of 1.5 Tons.

(ii) Vendors to seek installation clearance from ES&CM department. Post accord of clearance by ES&CM, vendor to install the AC and take power supply from designated place shown by the ES&CM dept.

(iii) All cables, RCCB, socket etc required for connection of the AC are to be arranged by the respective vendor.

(iv) Post completion of installation, an inspection will be carried out by the ES Dept for readiness to energise. Same procedure will be followed in case vendor willing to discontinue this facility.

(v) Charges toward electrical bills will be on monthly fixed rate basis @ 700.00 per month per AC irrespective of utilization / restriction of utilization.

(vi) In case vendor desires to remove AC connection, approval for the same to be obtained from ES Dept. However, full month charges will applicable for the said month in which the AC will be disconnected.

(vii) Any damage to GRSE property occurred due to use of AC to be made good by the vendor. In case vendor fails to carry out the same, defect will be made good under the risk and cost of the vendor.

(b) Usage of Existing AC Machine

(i) Vendors to apply for inspection of the installed AC by ES Dept. Any observations made by ES&CM dept during the inspection process are to be liquidated by the vendor. Cables, RCCB, socket etc, if required to be replaced, are to be undertaken by the vendor at his own cost.

(ii) Charges toward electrical bills will be on monthly fixed rate basis @ 850.00 per month (for below five stars rating) and ₹ 700.00 per month (for five stars rating) irrespective of utilization / restriction of utilization.

(viii) In case vendor desires to remove AC connection, approval for the same to be obtained from ES Dept. However, full month charges will applicable for the said month in which the AC will be disconnected.

(ix) Any damage to GRSE property occurred due to use of AC to be made good by the vendor. In case vendor fails to carry out the same, defect will be made good under the risk and cost of the vendor.

STC 29 GUARANTEE FOR RAW MATERIAL (अनिर्मित सामग्री की गारंटी)

STC 29.1. This Clause will be applicable for Collection of Raw materials /Free Issue materials from GRSE for the jobs which are to be executed outside GRSE premises.

STC. 29.1.1. Raw materials will be required to collect from GRSE against submission of Bank Guarantee as per GRSE format for the equivalent value of material as specified in NIT/Purchase Order.

Transportation of materials from GRSE to Sub-contractor's premises and transportation of finished materials from Sub-contractor's premises up to GRSE is the responsibility of the contractor or as specified in NIT.

- STC. 29.1.2. Indemnity Bond affixing the Common Seal from the registered sub-contractors may be accepted in lieu of Bank Guarantee but it should be backed by Insurance Coverage with GRSE as the beneficiary on case to case basis. If the contractor is unable to take coverage, GRSE will cover such risk and cost of premium will be borne by the contractor/recovered from their dues.
- STC. 29.1.3. Indemnity Bond has to be submitted as per GRSE Format on the non-judicial Stamp paper of value Rs. 100/- and to be Notarized if Common Seal is not applicable.
- STC. 29.1.4. During collection of material, the Transporter of the Sub-Contractor has to submit L-R copy, failing which materials will not be issued to the Sub-Contractor.
- STC. 29.1.5. For the jobs which are to be executed inside GRSE premises, submission of Bank Guarantee or Indemnity Bond for Collection Raw materials is not required.

STC 30 MATERIAL RECONCILIATION STATEMENT (MRS) (सामग्री मिलान विवरण)

- STC 30.1. Firms are to furnish the material reconciliation statement (running MRS) to GRSE, for items supplied by GRSE for execution of a job at vendor's premises. Furnishing of MRS to be done immediately on delivery of the Finished item/Block but not later than 30 days of delivery of the finished item showing details of raw materials received, material actually consumed, excess material returned, wastage etc. This statement should be submitted with documentary evidence of material issued/returned/wastage duly accepted by competent authority of GRSE and as per the GRSE format and filled up check list for MRS. Permissible variation in MRS is 1.5% of design weight of structure. MRS certification is to be completed by GRSE within 60 days of receipt of the same from vendors.
- STC 30.2. Quantity of stiffeners used in transportation are to be mentioned in delivery challan clearly indicating whether the stiffeners are: -
 - STC. 30.2.1. Temporary stiffeners supplied by vendor.
 - STC. 30.2.2. Sections of ABS quality supplied by GRSE.
- STC 30.3. While submitting MRS of Finished item/Block, copies of certified MRS of all previous Finished items/Blocks are to be enclosed. This will be called the final MRS.

STC 31 INSURANCE (बीमा)

- STC 31.1. In case the sub-contracted job has to be executed at contractor's premises, the Insurance has to be taken by the contractor with appropriate value coverage for the underlying risks (the beneficiary would be GRSE by endorsement) e.g. Loss due to following:
 - STC. 31.1.1. Fire as per AIFT including EQ, STFI at Contractors premises.
 - STC. 31.1.2. Burglary including theft during Storage at Contractors premises.
 - STC. 31.1.3. Marine transit to and fro as per ITC(A) including SRCC (on the basis of agreed valuation between GRSE & contractors).
 - STC. 31.1.4. Loading & unloading including TP liability at all fabricator's premises.
 - STC. 31.1.5. Loss due to infidelity of contractors whilst in storage.
 - STC. 31.1.6. Spoilage of material by contractors by any accidental reasons whatsoever.
- STC 31.2. If the contractor is unable to take coverage, GRSE will cover such risk and cost of premium will be borne by the contractor/recovered from their dues.
- STC 31.3. For the jobs which are to be executed inside GRSE premises, Insurance coverage will not be the responsibility of contractor.

STC 32 SITE-INCHARGE/ LOG BOOK/ HINDRANCE & OTHER RECORDS (कार्यस्थान प्रभार/कार्यपंजी/बाधा एवं अन्य रिकार्ड)

- STC 32.1. One fully responsible and Qualified Site-in-charge has to be posted at the site during progress of work.
- STC 32.2. Attendance Register, Wage Register etc. are to be maintained daily for the particular job on board and to be shown as and when required.
- STC 32.3. Details of technical personnel deployed for the job.
- STC 32.4. Monthly progress report.
- STC 32.5. Log book for re-work/ modification.
- STC 32.6. Details of materials brought by vendor along with copies of challan.
- STC 32.7. Proper record of hindrances is to be maintained by the sub-contractor for the purpose of timely removal of the hindrance and is to be put up for approval by Project Leader/Site Engineer on weekly basis. A copy of the same would have to be enclosed while submitting any request for waiver of liquidated damages.
- STC 32.8. Sufficient Supervisory Staff should be provided by the contractor during execution of work and in case of any accident/ damage to GRSE properties, full responsibility will be attributed to the contractor and loss incurred will be recovered from the contractor.

STC 33 WORKING HOURS (कार्य समय)

- STC 33.1. The Contractor's normal working hours shall be in between 8 AM-5:06 PM from Monday to Friday & from 8:00 AM to 1:00 PM on Saturday. 1st & 3rd Saturday is Non-Duty Saturday. Work may also be required to be carried out in shifts (A, B & G shifts) as per GRSE's requirement. Also, work may be required to be carried out on Sunday/Holiday or beyond schedule working hours as per requirement of GRSE and the Contractor will have to arrange for same as per NIT Terms.

STC 34 RISK PURCHASE (जोखिम खरीद)

- STC 34.1. 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.
- STC 34.2. 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.

STC 35 INDIVIDUALITY OF THE CONTRACT (संविदा की वैयक्तिकता)

- STC 35.1. This Contract should be treated as an individual contract and should not be related with other orders with GRSE in respect of progress of work or payment.

STC 36 SECRECY OF INFORMATION (सूचना की गोपनीयता)

- STC 36.1. All documents and drawings of this project are of confidential in nature and should be used explicitly for the purpose for which they are provided. Drawings should not be copied and should be returned to GRSE on completion of work.
- STC 36.2. No information in respect of contracts/orders shall be released to the national or international media or any one not directly involved its execution without the express written approval of the Integrated Headquarters, MOD (NAVY). In the event of any breach of above provisions, the vendor would have

to make good of any loss/ cost/ damage/ any other claim whatsoever preferred by anybody to GRSE in this respect.

STC 36.3. Non-Disclosure Agreement (NDA) as specified in the NIT has to be submitted as per GRSE Format.

STC 37 REGISTRATION OF NEW VENDOR (नए बिक्रेता का पंजीकरण)

STC 37.1. The contractor has to confirm if they are registered with GRSE and Indicate Vendor Code (5 digits) and Product Code group accordingly in their offer. If the contractor is not registered with GRSE, then documents required for provisional vendor registration has to be submitted to the Ordering Department. For Permanent Vendor Registration with GRSE, the contractor has to submit their application to GRSE Vendor Development Cell.

STC 38 CONTRACT WORKMAN WAGE PAYMENT (संविदा कामगार का मजदूरी भुगतान)

STC 38.1. Payment of wages to the contractor's employee/workmen 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.

STC 39 INSPECTION (निरीक्षण)

STC 39.1. Quality assurance authority: As per NIT/SOTR.

STC 39.2. Inspection to be carried out stage wise by Quality Assurance Authority. On completion of work for any stage, vendor has to submit Inspection Offer to GRSE (Inspection Agency) for stage inspection. GRSE (Inspection Agency) shall co-ordinate with the Outside Inspection Authorities (as applicable) for carrying out inspection of completed job.

STC 39.3. GRSE reserve the right to inspect all operations to be carried out by the contractor. Free access to the work site at all the time shall be ensured by contractor. The presence or absence of GRSE representative does not relieve contractor of the responsibility for quality control. The contractor shall provide all assistance for carrying out inspection of completed work.

STC 39.4. Repeat inspection for any particular job is to be discouraged as far as possible. Hence the vendor should complete the job in all respect prior to submission of Inspection Offer to avoid reoffering. In case of repeat inspection happens for more than two occasions then the additional cost implication incurred by GRSE will be deducted from the bills of the vendor at actual. Number of occasions of repeat inspection for any particular job is to be indicated by GRSE in inspection note and same is to be incorporated in the work done certificate for deduction of additional cost implication for repeat inspection. Cost of deduction shall be calculated by Executing Dept., GRSE with the help of Finance Dept., GRSE.

STC 40 CORRECTION OF ERRORS (त्रुटि सुधार)

STC 40.1. Bids determined to be responsive will be checked by GRSE for any arithmetic error. Errors will be corrected by GRSE as follows:

STC 40.2. For Manual Tendering: -

STC. 40.2.1. Where there is a discrepancy between the rates in figures and in words, the rates in words will govern.

STC. 40.2.2. Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

STC 40.3. For Tendering through NIC Portal: -

STC. 40.3.1. Where there is a discrepancy between the rates in html format and the attachment to price bid (if applicable), the rates in attachment to price bid will govern. In attachment to Price bid; if any discrepancy found between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will be considered.

STC 40.4. For Tendering through GeM Portal: -

- STC. 40.4.1. Where there is a discrepancy between the total price quoted in GeM Portal and the attachment (i.e break up of quoted price in line with BOQ) to price offer, the total price quoted in GeM portal will govern. In attachment to the Price offer, if any discrepancy found between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will be considered.

STC 41 FORCE MAJEURE (अप्रत्याशित घटना) :

- STC 41.1. In the event of contractor being unable to fulfil the obligation under the agreement owing to force majeure, such as War, Fire, Earthquake, Flood, Strike/ Lockout at GRSE premises where the contractor is working, the party affected shall not be held responsible for any failure or non-performance of the duties and obligations under the agreement, provided that all responsible efforts have been made to overcome the consequences of such failure, or non-performance. The time for performances of the contractual obligation shall then be extended by period not more than the duration of such events.
- STC 41.2. In the event of Force Majeure condition existing at contractor's site in GRSE Premises or CPT areas for GRSE work, GRSE is to be intimated with details of such happenings and cessations thereof, within 3 days. Force Majeure is to be limited to contractor's site in GRSE/CPT premises for GRSE's work only. Lock out/ Closure of contractor's factory premises or office or any other place outside GRSE/CPT/GRSE nominated place as indicated above cannot be considered as a Force Majeure condition under this contract.

STC 42 TERMINATION OF CONTRACT (अनुबंध की समाप्ती)

- STC 42.1. In the event of non-performance or non-engagement of manpower for the execution of the job within the notice period, GRSE reserves the right to cancel the order in part or in full, and no compensation whatsoever will be entertained.

STC 43 DAMAGE OF MATERIALS / EQUIPMENTS (सामग्री/उपकरण की छती)

- STC 43.1. The contractor will ensure that no damage is caused to the materials, equipment or any other property of GRSE due to negligence and / or any reason whatsoever by the contractor's personnel. The cost of such damage will be suitably recovered from contractor's bills.

STC 44 OFFICE & STORAGE SPACE (कार्यालय एवं भंडारण स्थान)

- STC 44.1. The contractor will have to arrange their office & storage required for execution of job, for cumulative order value of Rs.75 lakhs and above, of their own. However, space for placing up to one container will be provided free of cost by GRSE. Container will have to be removed by the contractor within 03 months from the date of final settlement with GRSE. In case of non-removal of container within specified period penalty as deemed fit will be imposed for the occupied area of GRSE.

STC 45 E-MAIL ADDRESS FOR COMMUNICATION:-

- STC 45.1. Communication shall be usually be done on email address provided by the vendor in the Techno-commercial offer. In case of any change in the email address Vendor is required to intimate the change on immediate basis in writing.

STC 46 ARBITRATION (मध्यस्थता)

- STC 46.1. If at any time, before during or after the contract period, any unsettled claim, question, dispute or difference arises between the parties, upon or in relation to or in connection with or in any way touching or concerning this order, the same shall be settled/adjudicated through Arbitration to be conducted by a Sole Arbitrator, to be appointed by the parties on mutual consent, in accordance with the provisions of the Arbitration and Conciliation Act, 1996.
- STC 46.2. In the event the parties fail to mutually appoint a Sole Arbitrator within 30 days from the receipt of a request by one party from the other, then either of the parties may approach the Hon'ble High

Court at Calcutta under the provisions of the Arbitration and Conciliation Act, 1996 for appointment of a Sole Arbitrator by the Hon'ble Court.

- STC 46.3. Such arbitration shall, in all respects, be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the rules framed there under or any statutory modification or re-enactment thereof for the time being in force.
- STC 46.4. The Award of the Sole Arbitrator shall be final, conclusive and binding upon the Parties.
- STC 46.5. In the event of the death or resignation or incapacity or whatsoever of the said Sole Arbitrator if appointed by the parties mutually the said parties may again appoint a suitable Substitute Arbitrator in place of the erstwhile Sole Arbitrator to continue with the proceedings. In the event of appointment of the Sole Arbitrator by the Hon'ble High court at Calcutta on death or resignation or incapacity or whatsoever of the said Sole Arbitrator, either of the parties in this behalf, may make an application to the Hon'ble High court at Calcutta for appointment of a Substitute Arbitrator and the Hon'ble Court may pass such orders as it deems fit and proper.
- STC 46.6. Also, in the event an Arbitration award is set aside by a competent court the parties may appoint a Sole Arbitrator mutually or on failing to appoint a Sole Arbitrator mutually within the statutory period then either of the parties may file an application before the Hon'ble High Court at Calcutta under the provisions of the Arbitration and Conciliation Act, 1996 for appointment of a Sole Arbitrator by the Hon'ble Court in accordance with the provisions of the Arbitration & Conciliation Act.
- STC 46.7. The cost of the arbitration, fees of the arbitrator, remuneration of the stenographer and clerk, stamp paper etc. shall be shared equally by the parties, unless otherwise directed by the Sole Arbitrator. The venue of arbitration shall be at Kolkata and unless otherwise decided by the parties or by the Sole Arbitrator himself, the venue shall be the premises of Garden Reach Shipbuilders & Engineers Ltd. located at 43/46, Garden Reach Road, Kolkata 700 024.
- STC 46.8. The language of the proceeding shall be in English.

STC 47 JURISDICTION (न्याय अधिकार)

- STC 47.1. Litigation, if any, pertaining to this contract will come under the jurisdiction of High Court at Kolkata.
- STC 47.2. All contracts shall be deemed to have been wholly made in Kolkata and all claims there under are payable in Kolkata City and it is the distinct condition of the order that no suit or action for the purpose of enforcing any claim in respect of the order shall be instituted in any Court other than that situated in Kolkata City, West Bengal State, India.
- STC 47.3. The Firm is warranted that all service rendered by them shall conform to applicable city, states & central laws, ordinances and regulations and the said Firm shall indemnify / defend / relieve GRSE harmless, from / of against loss, cost of damage, by reason or any actual or alleged violation thereof.
- STC 47.4. GRSE shall not be liable under the workmen's compensation Act of 1923; in case any employee or workmen receives injury while actually serving his employer in connection with the latter's work inside the compound of GRSE Ltd.
- STC 47.5. All existing applicable Laws such as ESI, PF, SERVICE, CONTRACT LABOUR, CHILD LABOUR etc. as applicable, shall be binding for the contract.

STC 48 PREVALANCE OF NIT/STAC & CLARIFICATION

- STC 48.1. For any discrepancy between NIT (Notice Inviting Tender) and STAC, NIT statement may be taken as final.
- STC 48.2. Clarification required, if any, regarding Tender Document, should be got resolved by contacting competent authority of GRSE prior to submission of bid.



ANNEXURE – 3: EXECUTED RELEVANT JOBS for TECHNICAL ELIGIBILITY
DURING LAST 03 YEARS
(To be submitted in Letterhead of bidder)

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 (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 (in INR)	Scope of Work (details & quantity)	Details of Resources / Machinery Deployed	Work completion certificate Ref. No. & date (Supporting soft or, hard copy to be submitted)

Note: Please add additional pages if required

(Signature of Authorized Representative)

Date:

Name:

Designation:

ANNEXURE – 4: FORMAT for FINANCIAL ELIGIBILITY
(To be submitted in Letterhead of bidder)

1. **Name of the Bidder:**

2. **Job Description:**

3. **Tender Reference:**

A. Financial Data for evaluating Financial Eligibility

SL. No.	Accounting Year	Financial Years	Turn Over (in INR)
1	2024-25	2023-24	
2	2023-24	2022-23	
3	2022-23	2021-22	
Average for 03 years			

(Signature of Authorized Representative)

Date:

Name:

Designation:

Note:

- (i) Financial Statements to be attached
- (ii) Annual Statement Audited / Certified by Chartered Accountant for the relevant last three (03) years is to be provided while submitting the bid.

**ANNEXURE-5: FORMAT OF SELF-CERTIFICATION FOR DECLARATION REGARDING BLACKLISTING/
TENDER HOLIDAY**

(To be submitted in Letterhead of bidder; MANDATORY FOR ALL TENDERS)

1. Name of the Bidder with Address:

Date:

2. Job Description:

3. Tender Reference:

Sub: SELF-CERTIFICATION

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 -----(date) 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 is found inappropriate / false, 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 of Authorized Representative with official seal)

Date:

Name:

Designation:

NB: PLEASE ENCLOSE COPY OF RELEVANT DOCUMENTS

*Strike out / omit whichever is not applicable

ANNEXURE-6: FORMAT FOR DISCLOSURE BY CONTRACTOR OF EXISTING WORK
(To be submitted in Letterhead of bidder)

1. **Name of the Bidder:**
2. **Job Description:**
3. **Tender Reference:**
4. **Details of Existing relevant jobs:**

Sl. No.	Description of Existing relevant jobs	Order No., Date & Value (in INR) <i>(with supporting document)</i>	Scope of work for existing contract (To quantify)	Start & Completion date as per Order	Actual start date	Agreed Completion Schedule	Deployment of operatives for the existing contract (category wise)					Action Plan for resource mobilization
							USK	SSK	SK	HSK	Equipment	

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

Note: Please add additional pages if required.

**ANNEXURE-7: FORMAT FOR DISCLOSURE BY CONTRACTOR OF PROPOSED EXECUTION /
DEPLOYMENT PLAN OF THIS TENDERED JOB
(To be submitted in Letterhead of bidder)**

5. **Name of the Bidder:**
6. **Job Description:**
7. **Tender Reference:**
8. **Details of Existing relevant jobs:**

Sl. No.	Deployment of operatives per month for the Tendered job contract (category wise)				
	USK	SSK	SK	HSK	Equipment

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

Note: Please add additional pages if required.

ANNEXURE-8: CONFIRMATION BY BIDDER CUM CHECKLIST FOR BID SUBMISSION

ATTACH SUPPORTING DOCUMENTS (PRICE NOT TO BE MENTIONED HERE)

APPLICABLE ONLY FOR TENDERS PUBLISHED IN GEM PORTAL

NIT No / निविदा संख्या:		
Job Title / कार्य का नाम:		
1.	BID REFERENCE NO./DATE*	
2.	NAME OF THE BIDDER	
3.	Proprietorship / Partnership / JV / Consortium (agreement need to be submitted in case of JV / Consortium)	
4.	ADDRESS OF THE BIDDER	
5.	Phone	
6.	E-mail	
7.	Vendor Regn No. with GRSE (if Registered Vendor of GRSE)	
8.	MSME / NSIC REGISTRATION DETAILS (IF APPLICABLE)	
9.	TReDS REGISTRATION NUMBER (Offers of MSME not registered with TReDS may not be considered)	
10.	GeM SELLER ID*	
11.	PAN	
12.	TAN (indicate if not applicable)	
13.	GST No.	
14.	PROVIDENT FUND ACCOUNT DETAILS	
15.	ESI DETAILS	
16.	COMPANY REGISTRATION DETAILS / TRADE LICENSE	
17.	Currency	INR
18.	GLOBAL DISCOUNT(Percentage)	
COMMERCIAL TERM(S) / DETAILS		
Sl. No.	ATTRIBUTE	DETAILS (VENDOR TO CONFIRM)
1.	TENDER FEE	Details of instrument to be indicated if required as per NIT Indicate SUBMITTED / EXEMPTED / NOT REQUIRED AS PER NIT
2.	EARNEST MONEY	Details of instrument to be indicated if required as per NIT Indicate SUBMITTED / EXEMPTED / NOT REQUIRED AS PER NIT
3.	SECURITY DEPOSIT	Indicate ACCEPTANCE OF NIT TERMS / DEVIATION (if any)
4.	PERFORMANCE GUARANTEE	Indicate ACCEPTANCE OF NIT TERMS / DEVIATION (if any)
5.	TERM OF PRICE	Indicate ACCEPTANCE OF NIT TERMS / DEVIATION (if any)
6.	QUOTATION VALID TILL*	Indicate ACCEPTANCE OF NIT TERMS / DEVIATION (if any)
7.	COMMERCIAL TERMS Note: Deviations Sought to Commercial Terms (if any) are to be clearly mentioned.	
8.	TECHNICAL COMMENTS Note: Deviations sought against SOTR / Technical Terms are to be clearly mentioned.	
9.	DELIVERY SCHEDULE * Note: Deviations sought w.r.t. Tender stipulation are to be clearly mentioned.	

10.	DEVIATIONS TO OTHER NIT TERMS Note: Deviations sought w.r.t. NIT Terms and not specified above are to be clearly mentioned.		
11.	TERMS OF PAYMENT: {PAYMENT WILL BE MADE THROUGH ECS MODE}	Indicate ACCEPTANCE OF NIT TERMS / DEVIATION (if any)	
12.	ORDER TO BE PLACED ON		
13.	PAYMENT TO BE MADE TO (IF ANOTHER AGENCY) PLEASE INDICATE LATEST BANK DETAILS		
14.	SAC CODE (DETAILS TO BE PROVIDED IN GST CODE PERCENTAGE TAB)		
15.	NAME OF SUPPLY STATE/UT		
16.	GST (BIDDER TO INPUT ONLY TOTAL APPLICABLE GST IN PERCENTAGE (%), IRRESPECTIVE OF IGST, CGST, SGST OR COMBINATION OF TWO TYPES OF GST)		
DOCUMENT SUBMISSION / CONFIRMATIONS			
1.	INTEGRITY PACT	Indicate SUBMITTED / NOT REQUIRED AS PER NIT	
2.	NON-DISCLOSURE AGREEMENT	Indicate SUBMITTED / NOT REQUIRED AS PER NIT	
3.	DECLARATION REGARDING BLACKLISTING/ TENDER HOLIDAY	[indicate SUBMITTED / NOT SUBMITTED and if put on Tender Holiday / Blacklisted]	
4.	ACCEPTANCE MATRIX FOR NIT & STAC	[indicate SUBMITTED (WITHOUT DEVIATION) / SUBMITTED (WITH DEVIATION) / NOT SUBMITTED]	
5.	ACCEPTANCE MATRIX FOR SOTR / SOR	[indicate SUBMITTED (WITHOUT DEVIATION) / SUBMITTED (WITH DEVIATION) / NOT SUBMITTED]	
6.	FORMAT FOR TECHNICAL ELIGIBILITY	[indicate SUBMITTED / NOT SUBMITTED]	
7.	DISCLOSURE BY CONTRACTOR OF EXISTING WORK	[indicate SUBMITTED / NOT SUBMITTED]	
8.	FORMAT FOR FINANCIAL ELIGIBILITY CRITERIA	[indicate SUBMITTED / NOT SUBMITTED]	
9.	AVERAGE ANNUAL TURNOVER in INR FOR LAST 3 FINANCIAL YEARS (Ref SI-8 of NIT Terms & Requirements)		
10.	DOCUMENTS IN SUPPORT OF FINANCIAL ELIGIBILITY CRITERIA (Audit Report incl. Profit & Loss and Balance Sheet)	[indicate SUBMITTED / NOT SUBMITTED]	
ATTACH SUPPORTING DOCUMENTS (PRICE NOT TO BE MENTIONED HERE)			

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

ACCEPTANCE MATRIX FOR NIT & STAC
APPLICABLE ONLY FOR TENDERS PUBLISHED IN GEM PORTAL

NIT No निविदा संख्या:					
Job Title कार्य का नाम:					
Clause no	Bidder's Remarks (Accepted / Deviation Sought)	Clause No	Bidder's Remarks (Accepted / Deviation Sought)	Clause No	Bidder's Remarks (Accepted / Deviation Sought)
<u>NIT TERMS & REQUIREMENTS</u>					
SI-1		SI-10		SI-19	
SI-2		SI-11		SI-20	
SI-3		SI-12		SI-21	
SI-4		SI-13		SI-22	
SI-5		SI-14		SI-23	
SI-6		SI-15		SI-24	
SI-7		SI-16		SI-25	
SI-8		SI-17		SI-26	
SI-9		SI-18			
<u>NIT ARTICLES</u>					
Art.1		Art.10		Art.19	
Art.2		Art.11		Art.20	
Art.3		Art.12		Art.21	
Art.4		Art.13		Art.22	
Art.5		Art.14		Art.23	
Art.6		Art.15		Art.24	
Art.7		Art.16		Art.25	
Art.8		Art.17		Art.26	
Art.9		Art.18		Art.27	
<u>STANDART TERMS & CONDITIONS (STAC)</u>					
STC 1		STC 16		STC 31	
STC 2		STC 17		STC 32	
STC 3		STC 18		STC 33	
STC 4		STC 19		STC 34	
STC 5		STC 20		STC 35	
STC 6		STC 21		STC 36	
STC 7		STC 22		STC 37	
STC 8		STC 23		STC 38	
STC 9		STC 24		STC 39	
STC 10		STC 25		STC 40	
STC 11		STC 26		STC 41	
STC 12		STC 27		STC 42	
STC 13		STC 28		STC 43	
STC 14		STC 29		STC 44	
STC 15		STC 30		STC 45	

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

ACCEPTANCE MATRIX FOR SOTR / SOR
APPLICABLE ONLY FOR TENDERS PUBLISHED IN GEM PORTAL

NIT No / निविदा संख्या:	
Job Title / कार्य का नाम:	
Clause no	Bidder's Remarks (Accepted / Deviation Sought)
1. BACKGROUND INFORMATION	
2. PRIMARY OBJECTIVE	
3. TECHNICAL SPECIFICATIONS	
4. HEALTH AND SAFETY	
5. OTHER REQUIREMENTS	
6. GRSE SCOPE	
7. SPECIAL TERMS AND CONDITIONS OF CONTRACT	
8. APPENDIX- 1(A)	
9. APPENDIX- 1(B)	
10. APPENDIX-1(C)	

(Signature of Authorized Representative with official seal)

Date:

Name:

Designation:

ANNEXURE-9: CHECK LIST FOR BILL SUBMISSION - for Service Contracts

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)
A.3 (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

during the execution of the contract.

b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act, further the Bidder(s)/Contractor(s) will not use improperly, for purpose of competition or personal gain, or pass on to others, any information or document provided by the principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign particulars, if any. Further details as mentioned in the "Guidelines on Indian agents of Foreign suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only, copy of the "Guidelines on Indian agent of foreign supplier" is annexed and marked as annex.

e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

[2] The Bidders(s)/ Contractor(s) will not instigate third persons to commit offences, outline above or be an accessory to such offence.

Section 3- Disqualification from tender process and exclusion from future contracts.

If the Bidder(s)/Contractor(s) before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the principal is entitled to disqualify the Bidders(s)/ Contractor(s) from the tender process or take action as per the extant procedure of the company.

Section 4- Compensation for Damages.

1) If the principal has disqualified the Bidder(s) from the tender process prior to the award according to section 3, the principal is entitled to demand and recover the damages equivalent to earnest Money deposit/Bid security.

2) If the Principal has terminated the contract according to section 3, or if the principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

Section 5- Previous Transgression

1) The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

2) If the Bidder makes incorrect statement on this subject he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business

dealing"

Section 6- Equal treatment of all Bidders/Contractors/Sub-contractors.

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this integrity pact, and to submit it to the principal before contract signing.
- 2) The principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Sub-Contractors.
- 3) The Principal will disqualify from the tender process all bidders who do not sign this pact or violates its provisions.

Section 7- Criminal charges against violating Bidder(s) Contractor(s)/Sub-Contractor(s)

If the principal obtains knowledge of conduct of a Bidder, contractor or subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Sub contractor which constitutes corruption, or if the principal has substantive suspicion in this regard, the principal will inform the same to the Chief Vigilance Officer.

Section 8- Independent External Monitor/Monitors

- 1) The Principal appoints competent and credible Independent External Monitor for this pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 2) The Monitor is not subject to instructions by the representative of the parties and perform his functions neutrally and independently. He reports to the Chairman GRSE.
- 3) The Bidder(s)/Contractor (s) accepts that the Monitor has the right to access without restriction to all project documentation of the principal including that provided by the contractor. The contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) /Subcontractor(s) with confidentiality.
- 4) The Principal will provide to the Monitor sufficient information about all meeting among the parties related to the project provided such meetings could have an impact on the contractual relations between the principal and the contractor, The parties offer to the Monitor the option to participate in such meetings.
- 5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the management of the principal and request the management to discontinue or take corrective action, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- 6) The Monitor will submit a written report to the Chairman, GRSE within 8 to 10 weeks from the date of reference or intimation to him by the principal and should the occasion arise, submit proposals for correcting problematic situations.
- 7) Monitor shall be entitled to compensation on the same terms as being extended to/provided to Independent Directors on the GRSE Board.

8) If the Monitor has reported to the Chairman GRSE a substantiated suspicion of an offence under relevant IPC/PC act, and the Chairman GRSE has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

9) The word 'Monitor' would include both Singular and plural.

Section 9- Pact Duration:

This pact begins, when both parties have legally signed it. It expires for the contractor 18 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairman of GRSE.

Section 10- Other provisions:

- 1) This agreement is subject to Indian Law, place of performance and jurisdiction is the Registered Office of the principal i.e. Kolkata.
- 2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & On behalf of the principal)

(For & On behalf of the Bidder/Contractor)

Place

Place

Date

Date

Witness 1
(Signature, Name & Address)

Witness 2
(Signature, Name & Address)

ANNEXURE-11: NON-DISCLOSURE AGREEMENT

(to be executed in Non-Judicial Stamp Paper of Rs.100/- and to be signed & stamped on all pages)

This Non-Disclosure Agreement executed thisDay of2023.

Between

GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED, a company incorporated under the provisions of the Companies Act, 1956, having its Registered Office at 43/46, Garden Reach Road, Kolkata – 700024, hereinafter referred to as “**GRSE**” (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successors-in-interest, administrators and assigns) of the **FIRST PART**.

AND

M/s _____ (with full address), hereinafter referred to as the L1 Bidder (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successors-in-interest, administrators and assigns) of the **SECOND PART**.

WHEREAS

For purpose of this Agreement, GRSE discloses (herein after referred to as the “Disclosing Party”) to the Bidder (herein after referred to as ‘Recipient’) Confidential Information as are required to give effect to the terms of the NIT/Purchase Order and the Recipient receives and or accesses the said Confidential Information

WHEREAS the Bidder being considered inter alia for the purpose of _____ work and as such some of the data, drawings/documents in connection to execution of work against Tender No: _____ are required to be disclosed which shall be treated as confidential and the said Recipient, shall not disclose or part with such drawings/documents either whole or in part to any other third party, without prior written consent from GRSE.

AND WHEREAS the said Recipient, is obliged to execute an undertaking in the form of “Non-Disclosure Agreement” on receiving Confidential Information in the form of data drawings/ documents and also confidential/proprietary drawings or technical information of Indian Navy through Government of India or any other party, as the case may be, by GRSE, duly promising and/or undertaking to keep and treat such data, drawings/documents as strictly ‘confidential’.

NOW THEREFORE both GRSE and the Bidder do hereby agree as follows in the premises aforesaid: -

1. In the Premises aforesaid it is agreed as follows:
 - (a) “Confidential Information” means and includes any and all facts, knowledge, information, data and drawings and documents of any nature whatsoever, whether written or electronic mode owned and/or possessed by GRSE notwithstanding it belongs to any person, government or otherwise not limited to ideas, designs, data, source code, processes, computer programming, flow diagrams, know how, computer programming and other software and software techniques and such other notes, interpretation, derivative or analysis of data that has been or may hereafter be provided or shown to the Recipient or is gathered, received or obtained directly or is otherwise obtained from the review of GRSE’s documents. It is agreed that any and all reports, notes, minutes, summaries, flow charts, diagrams and any other information that is prepared based on the discussions and interaction with GRSE pursuant to this Agreement shall be deemed to be Confidential Information under this Agreement.
 - (b) During the pre-bid discussion and subsequent agreement between the parties herein, if any, for execution of the job and also for a period of 10 years from the date of Expiry and/or foreclosure and/or termination of the said NIT/PO, M/s _____, the Recipient, undertakes that the Confidential Information so received in any form whatsoever shall be:

- i) Protected and kept as strictly confidential by them.
 - ii) Disclose to and used only by the persons within the organization of M/s_____, who have a need to know solely for the purpose of pre-bid meeting and for execution of the work if awarded by GRSE subsequently subject to their taking due care and protection of the system and data.
 - iii) Used in whole or in part solely for the purpose of pre-bid meeting and for execution of the work if awarded by GRSE subsequently in the manner as ordered by GRSE or to be ordered from time to time exclusively and shall not be exploited for any other purpose or customers.
 - iv) Neither be disclosed nor cause to be disclosed directly or indirectly to any third party.
 - v) Neither be copied nor otherwise be reproduced, in whole or in part without prior express consent from GRSE.
 - vi) Returned to GRSE forthwith on demand at any point of time and upon immediate foreclosure /expiry of the contract if subsequently entered.
2. Nothing in this agreement or the disclosure of the Confidential Information or data or systems, to be intended to be granted or shall be construed as granting to the Recipient., any rights, title, interest or license other than the right to use such Confidential Information for the purpose of pre-bid meeting and for the execution of the contract/job if subsequently awarded by GRSE and shall not be exploited for any other purpose or customers of the Recipient. In this regard for the purpose of pre-bid meeting or for execution of job if any, to be subsequently awarded by GRSE to the Recipient shall at all times remain the exclusive property of GRSE and rest with GRSE.
 3. The Recipient shall resort to any publicity or advertising in respect of this agreement or the subject matter thereof and the subject matter of PO and/ or any Agreement, if any, to be entered into subsequently.
 4. The Recipient shall not make any copies or duplicate or reduce in writing the Confidential Information or part thereof in anyway in whole or part any information without the prior written consent of GRSE and where such copies or reproductions are permitted in accordance with this clause, the Recipient shall treat them strictly confidential in accordance with the provisions of this agreement and comply with the instructions of GRSE with regard to the protection and disposal of them.
 5. If the Recipient is compelled under any law to disclose (whether by way of announce or otherwise) any Confidential Information, it shall give prompt notice in writing of such fact to GRSE and shall provide all cooperation and assistance as may be requested by GRSE in order to seek an appropriate remedy to prevent or restrict such disclosure.
 6. It is agreed by the Recipient that the Recipient shall take full responsibility while handling the Confidential Information provided by GRSE, which means that the Recipient shall be fully responsible of the acts of its employees/subcontractors/officers/associates who are required to handle the Confidential Information provided by GRSE.
 7. **Indemnity:** Recipient shall indemnify GRSE and hold harmless from and against all actions, proceedings, claims, demands, losses, damages, costs (including between attorney and clients) charges, expenses and consequences whatsoever that may be brought or made against or sustained or incurred by GRSE in consequences resulting from any act or omission on the part of Recipient including its employees/subcontractors/officers/associates.
 8. The Recipient agrees and undertakes GRSE that the Recipient shall obtain appropriate indemnity from its sub-contractors and outside personnel/workers to the effect that they will use Confidential Information for construction of the ships only and for no other purpose and also, they would not divulge or pass on any Confidential Information to any third party for any reason whatsoever.
 9. The Recipient acknowledges the competitive value and confidential nature of the Confidential Information and the resultant damage to GRSE if the Confidential Information is disclosed or allowed to be disclosed to any unauthorized persons or used for the purpose of violation of this Agreement. The Recipient confirms that it is imperative that all Confidential Information remains confidential. The

Recipient acknowledges that GRSE possesses Intellectual Property Rights in the Confidential Information.

10. The expiry, foreclosure or termination of the PO or any or all of the subsequent agreements entered into by GRSE and the Recipient, if any, in pursuance of the pre-bid discussion, shall not relieve the Recipient of their/its obligations under these presents which shall be effective and remain effective and in full force, for a period of 10 years from the date of such expiry/foreclosure/termination of the PO.
11. In the event of expiry, foreclosure or termination, the Recipient shall forthwith return to GRSE, the Confidential Information as received by them/it during tenure of the PO and/or subsequent agreements.
12. Neither party shall assign any PO and / or any Agreement, if any, to be subsequently entered into, without the written consent of the other and should there be any re-organization, merger, take over or the like, its successor-in-interest shall be bound by the conditions of this Agreement.
13. Failure to enforce any provision of this agreement and/or failure to initiate timely action, will not construe to be waiver and GRSE shall be freely entitled to enforce the provisions of this agreement at any appropriate time thereafter.
14. In the event any provision of this Agreement shall be held invalid or unenforceable for any reason, that provision shall not affect any other provision of this Agreement.
15. The Recipient acknowledges that Confidential Information belonging to GRSE is a valuable asset. Disclosure in breach of this Agreement will result in irreparable injury to GRSE for which monetary damage alone will not be an adequate remedy. Therefore, the parties agree that in the event of a breach or threatened breach of the terms of this Agreement, GRSE will be entitled to specific performance, injunctive relief or other equitable relief prohibiting any breach of this Agreement. Any such equitable remedy shall be in addition to and not in lieu of, other appropriate relief at law which GRSE may be entitled.
16. This agreement shall be governed under the Indian Laws and the Courts in Kolkata shall have exclusive jurisdiction to try determine and adjudicate any disputes arising between the parties in relation to this agreement.
17. GRSE' standard arbitration clause as contained in NIT shall apply to this agreement for resolution of disputes between the parties.

IN WITNESS WHEREOF the parties have hereunto set and subscribed their respective hands and seals on the day, month and year first above written.

**FOR GARDEN REACH SHIPBUILDERS &
ENGINEERS LTD**

Signature:
Name:
Address:

FOR M/s _____,

Signature:
Name:
Address:

WITNESS 1

Signature:
Name:
Address:

WITNESS 2

Signature:
Name:
Address :

ANNEXURE-12: FORMAT FOR BANK GUARANTEE TOWARDS EARNEST MONEY

(to be executed in Non-Judicial Stamp Paper of Rs.100/- and to be signed & stamped on all pages)

(To be used by all scheduled Banks)

BANK GUARANTEE TOWARDS EARNEST MONEY**GUARANTEE BOND**

In consideration of M/s. Garden Reach Shipbuilders & Engineers Limited, 61, Garden Reach Road, Kolkata - 700024 (hereinafter called "the Buyer") having agreed to exempt M/s..... having its registered office at (hereinafter called "the party") from the demand, under the terms and conditions contained in the Tender No..... dated (hereinafter called "the Said Tender") of EARNEST MONEY DEPOSIT for the due fulfillment by the said party's of the terms and conditions contained in the said Tender on production of a Bank Guarantee for Rs..... (Rupees.....only) we.....Bank Limited (hereinafter referred to as "the Bank") do hereby undertake to pay to the Buyer an amount not exceeding Rs..... (Rupees.....only) against any loss of any breach by the said Party of any of the terms & conditions contained in the said Tender.

2. We, Bankdo hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the Buyer stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Buyer by reason of any breach by the said Party of any of the terms and conditions contained in the said Tender or by reason of Party's failure to perform the said Tender. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee.

3. We, Bank Limited further agree to the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of said Tender / Order and that it shall continue to be enforceable till all the dues of the Buyer under or by virtue of the said Tender / Order have been fully paid and its claims satisfied or discharged or till the Managing Director , Garden Reach Shipbuilders & Engineers Limited ,certifies that the terms and conditions of the said Tender / Order have been fully & properly carried out by the said party and accordingly discharges the Guarantee. Unless a demand or claim under this Guarantee is made on us in writing on or before the We shall be discharged from all liability under this Guarantee thereafter.

4. We, Bank Limited further agree with the Buyer that the Buyer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender / Order or to extend time of performance by the said Party from time to time or to postpone for any time or from time to time any of the powers exercisable by the Buyer against the said Party and to forbear or enforce any of the terms and conditions relating to the said Tender / Order and we shall not be relieved from our liability by reason of any such variation, or extensions being granted to the said Party or for any forbearance , act or omission on the part of the Buyer or any indulgence by the Buyer to the said Party or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. We Bank Limited lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the Buyer in writing.

6. Notwithstanding anything contained herein above , the liability of the Guarantor under this Guarantee is restricted to Rs..... (Rupees.....only), and that this Guarantee shall remain in force until its expiry on the(date), unless a suit or action to enforce a claim under this Guarantee is made against the Guarantor within six months from the aforesaid date of expiry , all the rights of beneficiary under the said Guarantee shall be forfeited and the Guarantee shall be released and discharged from all liabilities thereof.

For Bank Limited

Dated the day of..... 20

ANNEXURE-19: FORMAT FOR BANK GUARANTEE TOWARDS SECURITY DEPOSIT

(to be executed in Non-Judicial Stamp Paper of Rs.100/- and to be signed & stamped on all pages)

(to be used by all scheduled banks)

BANK GUARANTEE TOWARDS SECURITY DEPOSIT**GUARANTEE BOND**

In consideration of M/s. Garden Reach Shipbuilders & Engineers Limited, 61, Garden Reach Road, Kolkata - 700024 (hereinafter called "The Buyer") having agreed to exempt M/s..... having its registered office at (hereinafter called "The Party") from the demand, under the terms and conditions contained in the Tender/ Purchase Order No..... dated (hereinafter called "the said Tender/ Order") of SECURITY DEPOSIT for the due fulfillment by the said Party's of the terms and conditions contained in the said Order, on production of a Bank Guarantee for Rs. (Rupees only), we, Bank Limited (hereinafter referred to as "the Bank") do hereby undertake to pay to the Buyer an amount not exceeding Rs. against any loss or damage caused to or suffered by the Buyer by reason of any breach by the said Party of any of the terms and conditions contained in the said order.

2. We, Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the Buyer stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Buyer by reason of any breach by the said Party of any of the terms and conditions contained in the said order or by reason of the Party's failure to perform the said order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee.

3. We, Bank Limited further agree to the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Tender/ Order and that it shall continue to be enforceable till all the dues of the Buyer under or by virtue of the said Tender/ Order have been fully paid and its claims satisfied or discharged or till the Managing Director, Garden Reach Shipbuilders & Engineers Limited, certifies that the terms and conditions of the said order have been fully and properly carried out by the said Party and accordingly discharges the Guarantee. Unless a demand or claim under this Guarantee is made on us in writing on or before the we shall be discharged from all liability under this Guarantee thereafter.

4. We, Bank Limited further agree with the Buyer that the Buyer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender/ Order or to extend time of performance by the said Party from time to time or to postpone for any time or from time to time any of the powers exercisable by the Buyer against the said Party and to forbear or enforce any of the terms and conditions relating to the said Tender/ Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Party or for any forbearance, act or omission on the part of the Buyer or any indulgence by the Buyer to the said Party or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

5. We, Bank Limited lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the Buyer in writing.

6. Notwithstanding anything contained hereinabove, the liability of the Guarantor under this Guarantee is restricted to Rs. (Rupees) and that this Guarantee shall remain in force until its expiry on the (date), unless a suit or action to enforce a claim under this Guarantee is made against the Guarantor within six months from the aforesaid date of expiry, all the rights of the beneficiary under the said Guarantee shall be forfeited and the Guarantee shall be released and discharged from all liabilities thereof.

For Bank Limited.

Dated the day of 20.....

ANNEXURE-20: FORMAT FOR PERFORMANCE BANK GUARANTEE

(to be executed in Non-Judicial Stamp Paper of Rs.100/- and to be signed & stamped on all pages)

(to be used by all scheduled banks)

BANK GUARANTEE TOWARDS SATISFACTORY PERFORMANCE**GUARANTEE BOND**

THIS DEED OF GUARANTEE made this.....day of..... BETWEEN..... (hereinafter called "THE BANK") which expression shall unless excluded by or repugnant to the context be deemed to include its successors in Office and assigns of the ONE Part and GARDEN REACH SHIPBUILDERS AND ENGINEERS LIMITED, having their Head Office at 61, GARDEN REACH ROAD, KOLKATA -700 024 (hereinafter called "THE BUYERS") which expression shall unless excluded by or repugnant to the context be deemed to include their successors in office and assigns of the other part.

WHEREAS, Messrs having its registered office at (hereinafter called "THE SELLER") have accepted an Order No. for supply / work of from the Buyer to execute / manufacture and deliver the same to Buyer in good condition.

AND WHEREAS it is one of the terms of the said order that the Seller shall furnish to the Buyer a Bank Guarantee comprising% of the value of the order amounting to Rs..... (Rupees.....) only for the satisfactory performance of the work done / material / equipment supplied against the said order at least for a period of from the date of supply i.e. from AND

WHEREAS the Buyer has agreed to accept such Bank Guarantee.

NOW THIS INDENTURE WITNESSETH THAT in consideration of the premise the Bank hereby unequivocally undertakes and agrees with the Buyer to pay to the Buyer upon demand in writing whenever required so by them to do and within a fortnight from the date of such demand sum or sums not exceeding in the whole of Rs..... (Rupees) only as may become payable to the Buyer by the seller by virtue of or arising out of the Terms and Conditions of the said order.

Provided it is hereby expressly stipulated and agreed that if any question arises as to whether any sum has become payable by the seller to buyer by virtue of or arising out of the said order, the decision of the Buyer will be final and conclusive and the Guarantee herein contained shall not be revocable by notice or by reason of dissolution or winding up of the business of the seller of any change in the constitution or composition of the Seller's business and the liability of the Bank under this presents shall not be impaired in any way by any extension of time or variation or alteration made given conceded in the conditions of the said order or any other indulgence given by the buyer or by reasons of any failure on the part of the Buyer to enforce any of their remedies against the Sellers and/ or by reasons of failure on the part of the Buyer to observe or perform any of the stipulation contained in the said order and to be observed or performed by the Sellers or by any other dealings between the Buyer and the Seller whether any of the above takes place with or without the knowledge of the Bank and that the Guarantee herein contained shall remain in full force and virtue only.

All claims and demands of the Buyer arising out of or in connection with the said order have been fully paid and satisfied PROVIDED ALWAYS AND IT IS HEREBY AGREED BETWEEN THE PARTIES THAT a Bank's liability under this Indenture shall remain in full force from the date of issue of the Guarantee till and is limited to a sum of Rs.(Rupees) only.

NOTWITHSTANDING anything stated above our liability under the Guarantee is restricted to Rs. (Rupees) only. Our Guarantee shall remain in force upto and unless a claim or demand in writing is made on the Bank within 6 months from the date of expiry of the Bank Guarantee the Bank shall be released and discharged from all liabilities thereunder.

S E A L , signature Of the bank

Date:

**ANNEXURE-22: FORMAT FOR INDEMNITY BOND FOR COLLECTION OF RAW MATERIAL/ FINISHED
GOODS/ EQUIPMENT/ INSTRUMENT**

(to be executed in Non-Judicial Stamp Paper of Rs.100/- and to be signed & stamped on all pages)

**PURCHASE ORDER NO. DT..... OF GARDEN REACH
SHIPBUILDERS & ENGINEERS LTD.**

THIS BOND OF INDEMNITY made this day of by the M/s....., having its office and place of business situated at (registered office address).....and Factory/Works address at _____, hereinafter referred to as the 'CONTRACTOR', which expression shall unless excluded by or repugnant to the context be deemed to include all its successors in interest and assigns where the context shall so permit, in favour of Garden Reach Shipbuilders & Engineers Ltd, a Govt. Company incorporated under the companies Act, 1956, having its registered office at 61, Garden Reach Road, Kolkata – 700 024, hereinafter referred to as the 'PRINCIPAL' which expression shall unless excluded by or repugnant to the context be deemed to include all its successors in interest and assigns where the context shall so permit.

WHEREAS the contractor has entered into a contract with the principal bearing purchase order no. Dt. for hereinafter referred to as the contract.

AND WHEREAS in accordance with the provisions of the said contract, the principal will supply and the contractor will take into its possession and/ or custody necessary Process material, raw material/ finished goods/equipment/equipment/instrument worth of Rs. (Rupeesonly) (hereinafter referred to as the 'GOODS') for the performance of the said contracted job at Contractor's premises having its Works/Factory address _____ where the job to be carried out.

AND WHEREAS the contractor shall be fully responsible for the safe custody of the said goods while the same will be in their possession for performance of the contracted job and for returning the same to the principal on completion of the contracted job in acceptable condition upon the inspection by the concerned inspection authority of the principal as specified in the aforesaid contract.

AND WHEREAS it is one of the provision of the said contract that the contractor shall execute an indemnity bond amounting to Rs. (Rupees only) in favour of the principal duly indemnifying the principal of from and against any or all losses and damages which the principal may suffer for non-return of the said goods in acceptable condition by the contractor for any reason whatsoever or on any ground whatsoever.

AND WHEREAS it is also one of the terms of the said contract that the principal shall obtain a comprehensive policy of insurance in the name of the principal for an amount equivalent to the value of the goods against loss, partial loss, damage, partial damage and/ or deterioration partial deterioration of the goods due to happening of any or all of the contingencies while the goods are in the custody of the contractor, like Risk of Fire, Riot, Strike, Burglary, Theft, Transit loss including Fidelity guarantee of the contractor during storage of the goods at the premises / workshop of the contractor and/ or during the operational process i.e. deviation from the specified design/ drawing and/ or other specification and/ or standard causing rejection of the finished/ converted goods by the inspection authority of the principal. Cost of premium arisen out of insurance coverage will be recovered from the contractor's bill by the principal and the contractor has agreed for the same.

AND WHEREAS the contractor has agreed to execute a bond of indemnity in favour of the principal indemnifying the principal of from and against any loss and damage which the said principal may suffer or be put to suffer for non-return of the said goods in acceptable condition by the contractor for any reason or ground whatsoever.

NOW THESE PRESENTS WITNESSES that in pursuance of the said contract and in consideration of the goods being supplied and delivered to the contractor for the said contracted job and in pursuance of the said

contractor taking possession of the said goods in its faithful custody, the contractor hereby covenant and promise with the principal that they, the contractor, is responsible for the safe custody of the said goods until delivery of the same back to the principal in acceptable condition upon due inspection by the inspection authority of the of the principal, after performance of the contracted job and that the contractor shall and will keep the principal harmless and indemnified of from and against any or all losses, damages, costs, charges and expenses which the said principal may suffer, incur or be put to suffer, incur by reason of non-returning of the said goods by the contractor to the principal after performing the contracted job, for any reason or ground whatsoever and that the quantum of such loss or damage including consequential loss, if any, to be fixed by the principal shall be final, conclusive and binding upon the contractor and the contractor shall pay the said amount merely on a demand in writing from the principal within a fortnight from the date of the said demand.

In witness whereof, the contractor has executed these presents on the day month and year first above written.

Signed, Sealed and delivered

By the

Through it's

(SIGNATURE)

(Designation with official seal/stamp)

In the presence of Signature

Name :

Address :

Note: The Indemnity Bond has to be executed by the Managing Director/ CEO/ Official with 'Power of Attorney' of the PSU/ Limited Company affixing common seal.

If common seal is not applicable in case of other classes of firms, Indemnity Bond should be affixed with valid seal of the firm, legally enforceable and to be executed by the Partner/ Proprietor/ official having requisite "Power of Attorney".

ANNEXURE-23: FORMAT FOR BID SECURITY DECLARATION

(To be submitted in Company's Letterhead)

Date:

Bidder's Ref:

Tender Ref:

To,
Garden Reach Shipbuilders & Engineers Ltd.
61, Garden Reach Road,
Kolkata - 700 024

We the undersigned declare that:

We understand and undertake that, according to tender requirements, being a MSE / Registered vendor of GRSE (copy of certificate attached) our bid for the tender mentioned above is supported by this Declaration towards Security of this Bid / Offer.

We accept that we will automatically be suspended from being eligible for bidding in any Tender of Garden Reach Shipbuilders & Engineers Ltd. for the period of 03 years starting from date of opening of price bid, if we are in breach of any of our obligation(s) under the bid conditions as indicated hereunder:

- (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 Garden Reach Shipbuilders & Engineers Ltd. during the period of bid validity, (i) fail or refuse to execute the contract, OR (ii) fail or refuse to furnish the security deposit, in accordance with relevant Article of the tender.

We also understand that 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.

Signature of authorized representative

Legal capacity of the person signing the declaration

Complete name of person signing the declaration

Duly authorized to sign the bid for and on behalf of M/s _____.

Date:

[Corporate seal as appropriate]

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 STATUTES FOR ENGAGEMENT OF CONTRACTORS' WORKMEN**

Sl. No.	Relevant Statutes	Responsibility	Compliances to be ensured as per the Statute
01	The Factories Act, 1948 & West Bengal Factories Rules, 1958	Contractor	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. 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. 3. <u>Hours of Work</u>: The total nos. of hours of work in a week, including overtime, shall not exceed sixty. 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.
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	1. Every contractor shall obtain the following before commencement of work: (a) PF Code No. of the firm. (b) PF UAN i.r.o of the workmen engaged by him. (c) Ensure submission of nominee and dependent details while applying for UAN of workmen.
		Contractor	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.

Sl. No.	Relevant Statutes	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.
