



GARDEN REACH SHIPBUILDERS & ENGINEERS LTD.

गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड

(A GOVERNMENT OF INDIA UNDERTAKING) / (भारत सरकार का प्रतिष्ठान)

Address: 43/46, Garden Reach Road, Kolkata-700 024 43/46, गार्डन रीच रोड, कोलकाता-700 024

Phone/दूरभाषः:(033) 2469-8100 to 8113 (Extn/बिस्तारः:200/204/206/211), FAXफैक्सः: (033) 2469-3932

Web siteवेबः: www.grse.in, E-Mailई मेलः: Sharma.Archana@grse.co.in

CIN / सी आई एनः L35111WB1934GOI007891

CORRIGENDUM – II dated: 15-Apr-2024

| | | |
|---|---|-----------|
| Job Title / कार्य का नाम | Construction of Reinforced Concrete Pavement along with the Construction of 4 nos. of Conventional vendor shed & 8 nos. Double Storied Portable Container Shed at GRSE FOJ Unit, Kolkata. | |
| NIT No. / निविदा संख्या: | SCC/AS/OT/Press/Construction Shed/FOJ/039/ET-2072 DTD: 28.03.2024 | |
| Cardinal Dates : | | |
| Commencement of Bid Submission | 29-MAR-2024 | 14:00 hrs |
| Extended Tender Submission Due Date विस्तारित निविदा जमा की अंतिम तिथी | 22-APR-2024 | 12:00 hrs |
| Extended Tender Opening Date (Part I) विस्तारित निविदा खुलने की तिथी | 22-APR-2023 | 16:00 hrs |

Clarifications against Pre-Bid Queries

| Clause No. | As per NIT | To be read as |
|--------------------------------|--|---|
| Article 18 of NIT | Integrity Pact & Independent External Monitors (IEM): (Applicable for the Contract value more than Rs. 2.0 Cr.) Not Applicable for this Tender | Integrity Pact & Independent External Monitors (IEM): Integrity Pact to be submitted in Non-Judicial stamp paper of value not less than Rs.100/- within 03 days from opening of Part-I bid. |
| Article 24 of NIT sl. No. b(8) | The Registration Number allotted to MSME's by Trades Receivable e-Discounting System (TReDS) | The Registration Number allotted to MSME's by Trades Receivable e-Discounting System (TReDS) to be incorporated in revised commercial Matrix attached with corrigendum |

- ALL TERMS AND CONDITIONS OF NIT

Handwritten signature
16/04/24

अधिकृत हस्ताक्षरी
Authorized Signatory



गार्डेन रीच शिपबिल्डर्स एण्ड इंजिनियर्स लिमिटेड
Garden Reach Shipbuilders & Engineers Limited
(भारत सरकार का उपक्रम) (A Govt. of India Undertaking)
(रक्षा मंत्रालय) (Ministry of Defence)

43/46 गार्डेन रीच रोड, कोलकाता - 700 024

43/46 Garden Reach Road, Kolkata - 700 024

ANNEXURE - B (COMMERCIAL OFFER)

ITEMS :- Construction of Reinforced Concrete Pavement along with the Construction of 4 nos. of Conventional vendor shed & 8 nos. Double Storied Portable Container Shed at GRSE FOJ Unit, Kolkata

E-TENDER NO.: SCC/AS/OT/Press/Construction Shed/FOJ/039/ET-2072 Date : 18.03.2024

| | | | | |
|--|---|---|--------------------------|------------------|
| 1 | NAME & ADDRESS OF THE BIDDER WITH REFERENCE NO./DATE* | | | |
| 2 | Currency | | INR | |
| 3 | GLOBAL DISCOUNT(Percentage) | | | |
| Commercial Term(s) | | | VENDOR TO CONFIRM | |
| Sl. No. | ATTRIBUTE | | OPTIONS | |
| 1 | DESPATCH MODE | | SELECT AN OPTION | |
| 2 | TERM OF PRICE | | SELECT AN OPTION | |
| 3 | COMMERCIAL TERMS | | | |
| 4 | SECURITY DEPOSIT | | SELECT AN OPTION | |
| 5 | TECHNICAL COMMENTS (PLEASE INDICATE TECHNICAL DETAILS OF YOUR MANUFACTURE) | | | |
| 6 | DELIVERY SCHEDULE *(PLEASE CONFIRM/INDICATE YOUR DELIVERY SCHEDULE) | | | |
| 7 | TERMS OF PAYMENT: | Terms | Accepted (Yes/No) | |
| | { PAYMENT WILL BE MADE THROUGH ECS MODE } | AS PER INDICATED IN SPECIAL TERMS & CONDITION | | |
| | IF DEVIATION PLEASE MENTION | | | |
| 8 | ORDER TO BE PLACED ON | Self | | |
| 9 | PAYMENT TO BE MADE TO (IF ANOTHER AGENCY) PLEASE INDICATE LATEST BANK DETAILS | Self | | |
| 10 | QUOTATION VALID TILL* | | SELECT AN OPTION | |
| 11 | UNIQUE GeM SELLER ID* | | | |
| 12 | Treds Registration No.* | | | |
| COMMON COMMERCIAL AND TECHNICAL ATTRIBUTES (APPLICABLE FOR ALL ITEMS) | | | | |
| Sl. No. | ATTRIBUTE | INDICATOR | OPTIONS | ENTRY |
| COMMERCIAL TERM(S) | | | | |
| 1 | SAC CODE* | | | |
| 2 | NAME OF SUPPLY STATE/UT* (DROP DOWN TO BE SELECTED BY THE BIDDER) | | | SELECT AN OPTION |
| 3 | GST* (BIDDER TO INPUT ONLY TOTAL APPLICABLE GST IN %, IRRESPECTIVE OF IGST, CGST,SGST OR COMBINATION OF TWO TYPES OF GST) | PERCENTAGE | | SELECT AN OPTION |

ATTACH SUPPORTING DOCUMENTS (PRICE NOT TO BE MENTIONED HERE)

NOTE:

PLEASE PUT VALUE FOR SELECT AN OPTION

1) * Indicates Mandatory Fields.

2) ALL OTHER TERM(S) AND CONDITION(S) OF THE R F Q ARE ACCEPTABLE. DEVIATIONS, WHEREVER APPLICABLE HAVE BEEN INDICATED IN THE OFFER AS ABOVE.



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CIN / सी आई एन: L35111WB1934GOI007891

CORRIGENDUM – I dated: 02-Apr-2024

| | | |
|---|--|------------------|
| Job Title / कार्य का नाम | Construction of Reinforced Concrete Pavement along with the Construction of 4 nos. of Conventional vendor shed & 8 nos. Double Storied Portable Container Shed at GRSE FOJ Unit, Kolkata. | |
| NIT No. / निविदा संख्या: | SCC/AS/OT/Press/Construction Shed/FOJ/039/ET-2072 DTD: 28.03.2024 | |
| Cardinal Dates : | | |
| Commencement of Bid Submission | 29-MAR-2024 | 14:00 hrs |
| Extended Tender Submission Due Date विस्तारित निविदा जमा की अंतिम तिथी | 16-APR-2024 | 12:00 hrs |
| Extended Tender Opening Date (Part I) विस्तारित निविदा खुलने की तिथी | 16-APR-2023 | 16:00 hrs |

Clarifications against Pre-Bid Queries

| Clause No. | As per SOTR | To be read as |
|-------------|--|--|
| 2.1 of SOTR | The work primarily involves construction of reinforced Concrete Pavement and laying of 100 mm thick concrete paver block (M-50) including construction of 04 (four) Nos. of conventional vendor sheds and 08 (eight) Nos. double storied container shed at various location of GRSE FOJ unit as indicated in the layout drawing (Appendix-1) enclosed along with the tender. The scope of work under this tender broadly comprises of following: | The work primarily involves construction of reinforced Concrete Pavement including construction of 04 (four) Nos. of conventional vendor sheds and 08 (eight) Nos. double storied container shed at various location of GRSE FOJ unit as indicated in the layout drawing (Appendix-1) enclosed along with the tender. The scope of work under this tender broadly comprises of following: |
| 22 of BOQ | 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. Tor steel/Mild Steel :- SAIL/ TATA/RINL | 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 including providing the dowel bar and it should be installed as per normal practice, complete as per drawing and direction. Tor steel/Mild Steel :- SAIL/ TATA/RINL. |

- **All TERMS AND CONDITIONS OF NIT including due date of submission of tender remain unaltered.**

अर्चना शर्मा / ARCHANA SHARMA
प्रबंधक / MANAGER
कांटेक्ट सेल / CONTRACT CELL
गार्डन रीच शिपबिल्डर्स एण्ड इंजीनियर्स लिमिटेड
Garden Reach Shipbuilders & Engineers Limited
कोलकाता-700 024 / Kolkata-700 024



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CIN / सी आई एन: L35111WB1934GOI007891

NOTICE INVITING TENDER (NIT)

निविदा आमंत्रण सूचना

Garden Reach Shipbuilders & Engineers Limited, a **leading Warship 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/AS/OT/Press/Construction Shed/FOJ/039/ET-2072 Date: 18.03.2024 |
| Job Title / कार्य का नाम | Construction of Reinforced Concrete Pavement along with the Construction of 4 nos. of Conventional vendor shed & 8 nos. Double Storied Portable Container Shed at GRSE FOJ Unit, Kolkata. |
| SOR No: | YM/1/SOTR/FOJ/HS & VS/2024 Rev:0 Date:04.02.2024 (Annexure-1A) |
| Tender issuing Dept. / बिभाग द्वारा जारी | Contract Cell (संविदा बिभाग) |
| Cardinal Dates | |
| Date of Prebid Meeting / बोलीपूर्व बैठक | 28-Mar-2024 Time 11:00 Hrs. |
| Commencement of Bid Submission | 29-Mar-2024 Time 14:00 Hrs. |
| Tender Submission Due Date/निविदा जमा की अंतिम तिथी | 08-Apr-2024 Time 12:00 Hrs. |
| Tender Opening Date (Part I) / निविदा खुलने की तिथी | 10-Apr-2024 Time 14:00 Hrs. |
| Contact Persons: | |
| Query regarding SOTR / Drawing or other technical Terms | Mr. Tanay Saha, Dy. Gen. Mgr. (YM) E-mail: Saha.Tanay@grse.co.in , Mobile no.: + 91-7603039445 |

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 | INR 5,10,000/- (Rupees Five Lakhs Ten Thousand only) |
| 3. | DETERMINATION OF L1 | Article – 15 | L1 bidder will be decided on TOTALITY BASIS excluding GST |
| 4. | SECURITY DEPOSIT | Article – 22 (1) | 5% of total order value (inclusive of taxes) |
| 5. | PERFORMANCE GUARANTEE | Article – 22 (2) | 10% of total executed order value (inclusive of taxes) |
| 6. | LIQUIDATED DAMAGES | Article – 22 (9) | 0.5% per week, Max. 5% of unexecuted job |
| 7. | TECHNICAL ELIGIBILITY CRITERIA | Article -1 & Annexure-1A | As per Clause-7.1 of SOTR (Annexure-1A) |
| 8. | FINANCIAL ELIGIBILITY CRITERIA | Article -1 | Average Annual financial turnover should be at least Rs. 76.50 Lakh during last 03 financial years ending on 31 st March 2023 |



| Sl. No. | Description | Reference | Requirement of NIT |
|---------|---|------------------|---|
| 9. | VENDORS ON TENDER HOLIDAY / BLACKLISTED VENDORS | Article – 3 | Submission of the self-certification document as per relevant format is mandatory. Non-submission of the declaration the bidder may be treated as non-responsive and their offer may be rejected. |
| 10. | OFFER VALIDITY | Article – 4 | 180 days |
| 11. | BOQ | Article-6 | As detailed at Article-6 |
| 12. | TENURE OF CONTRACT / COMPLETION PERIOD | Article – 8 | 05 (Five) months from date of PO / LOA |
| 13. | MOBILIZATION PERIOD | Article – 9(a) | The successful bidder is required to give notice to GRSE 07 (Seven) days in advance before mobilisation of resources. |
| 14. | JOB COMPLETION SCHEDULE | Article – 9(c) | 05 (Five) months from date of PO / LOA Ref Clause – 7.5.1 of SOTR (Annexure-1A) |
| 15. | GUARANTEE & WARRANTY / DEFECT LIABILITY PERIOD | Article – 10 | The work executed including equipment or components thereof are to be guaranteed for satisfactory performance for the period of 12 (Twelve) Calendar months from the date mentioned in the Completion Certificate, unless otherwise agreed in writing by the Engineer. This will be deemed as the 'Guarantee Period'/'Defect Liability Period'. |
| 16. | ESCALATION | Article – 12 | Not Applicable |
| 17. | AWARDING JOBS TO MULTIPLE BIDDERS | Article – 16 | Not Applicable |
| 18. | INTEGRITY PACT & INDEPENDENT EXTERNAL MONITORS (IEM) | Article – 18 | Integrity Pact to be submitted in Non-Judicial stamp paper of value not less than Rs.100/- within 03 days from opening of Part-I bid. |
| 19. | PAYMENT TERMS | Article – 22 (3) | Terms mentioned at Article-22(3) shall prevail over SOTR. 1. 90% (Ninety percent) of the value of work done will be paid progressively against R/A bill subject to completion of work for each line item. 2. 10% (Ten percent) of the value of work done shall be held as Performance Guarantee. Release shall be as per Article – 22(3.3). |
| 20. | QUALITY ASSURANCE AUTHORITY / INSPECTION AUTHORITY | Article – 22 | Inspection shall be done by Engineer-in-charge (YM)/authorised representative of GRSE. |
| 21. | WORK DONE CERTIFICATE AUTHORITY | Article – 22 | Engineer-in-charge (YM)/nominated officer of ES & CM dept. |
| 22. | BILL CERTIFYING AUTHORITY | Article – 22 | AGM (YM)/nominated officer of YM dept., GRSE Ltd. |
| 23. | NON-DISCLOSURE AGREEMENT | Annexure-11 | APPLICABLE |
| 24. | COLLECTION OF RAW MATERIAL AND DELIVERY OF COMPLETE MATERIALS | Article – 22 | ➤ Not Applicable |
| 25. | MATERIAL RECONCILIATION | Article – 22 | ➤ Not Applicable |



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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 the work of **"Construction of Reinforced Concrete Pavement along with the Construction of 4 nos. of Conventional vendor shed & 8 nos. Double Storied Portable Container Shed at GRSE FOJ Unit, Kolkata"**. Detailed Scope of work is mentioned in SOTR (Annexure-1A).

ARTICLE/अनुच्छेद 1. TECHNICAL ELIGIBILITY CRITERIA तकनीकी मापदंड

- i. Bidder should comply to Eligibility Criteria mentioned in SOTRs. **(Annexure-1A)**.
- ii. Bidder shall have experience of successful execution of Similar Nature /Type of Job i.e. Construction of Concrete pavement/Hardstand, Construction of Building or Industrial Shed including related civil work during last Seven (07) years. The vendor shall have experience in RCC work. However, experience in Steel Structure work only shall not be considered. 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. Detailed Technical Eligibility is as per SOTR Ref No. YM/1/SOTR/FOJ/HS & VS/2024 **(Annexure - 1A)**.
- iii. Bidder has to fulfill experience in successful completion of aforesaid similar jobs of value not less than Rs. 200 Lac for one job OR not less than Rs. 125 Lac each for two jobs OR not less than Rs.100 Lac each for three jobs in last Seven (07) years. The bidder must submit necessary proof duly endorsed along with the bid.
- iv. 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 of Rs. 76.50 lakhs as specified at NIT Terms & Requirements.
- ii. Bidder shall provide Solvency Certificate (not more than six months old) for a sum of Rs. 1.0 Cr. from a Scheduled bank other than any co-operative bank.
- iii. 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

The bidder should submit 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 31st Jan 2024. The bidder has to submit self-certification for the same along with the techno-commercial offer. GRSE reserves the right to independently verify the same. In case violation of declaration is detected at any stage of tender process and during currency of contract, the order will be terminated.

Note:

- i. 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.
- ii. 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.
- iii. In case of non-submission of the self-certification document as per format at **Annexure – 5**, the bidder will be treated as non-responsive and their offer will be rejected.

ARTICLE/अनुच्छेद 4. OFFER VALIDITY प्रस्ताव की वैधता

Offer should be valid for period of 180 days 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) BOQ as part of SOTR given in the tender is tentative. The detail BOQ is attached with the SOTR. It may vary according to actual requirement of job during the tenure of the work/contract. The Contractor shall assess actual quantity of work based on drawings and requirements of Owner (to be decided by Engineer) and shall submit updated BOQ incorporating quantity variation to the Engineer for review/approval. No variation (upward/downward) in quantity (without any limit) and value shall no way vitiate or invalidate the Contract or be treated as revocation of the Contract, but the value (if any) of all such variations evaluated shall be taken into account and the Contract Price shall be varied accordingly without any change in agreed rates of Price Schedule/BOQ on account of variation. Due to above quantity variation in individual items, the total Purchase Order Value may vary for successful completion of the job. Necessary amendment of PO will be issued accordingly. Limit on Cost of Variation.

Value of contract may increase or decrease up to a maximum of $\pm 25\%$ 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.

| SI No | Description of Item | Qty | Unit |
|-------|---|-------|------|
| 1 | Design, Drawing & Detailing as mentioned below : a. GA drawing b. All short of Civil drawing and detailing c. All Structural Drawing and detailing (All drawing should be submitted both in hard and soft copies along with PDF & Auto Cad files) | 1.00 | LS |
| 2 | Modification of container (2 storied) Work Include: a) Hoisting, placing in proper position, fixing the Container with nut and bolting arrangement b) Making of 1 No. Steel door (1.2 m x 2.3m) with locking arrangement and hasp bolt and 2 No. sliding Aluminium window (1.2 m x 1 m) (with grill and 5 mm thick clear glass) arrangement in each Portable cabin. c) Making slope roof over the top container with eaves gutter and canopy over door & Window including 0.5 mm ZN-AL colour sheeting (Tata Bluescope) d) Primer and painting of the container(Enamel paint) (inside & outside) e) Installation of rain water pipe. f) Laying of scratch proof, flexible & homogeneous P.V.C. Vinyl flooring conforming to IS:3462 - 1982 .2mm thick on each floor of the portable cabin. g) Cloth hook stainless steel hanger 6 pin (2 nos. in each cabin) | 8.00 | LS |
| 3 | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specifications Clause 202 for Rural Roads of MORD. Bituminous Courses | 23.00 | Cum |
| 4 | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specifications Clause 202 for Rural Roads of MORD. Granular Courses | 59.00 | Cum |
| 5 | Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. | 68.00 | Cum |



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|----|--|---------|------|
| 6 | 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 | 33.00 | Cum |
| 7 | 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. | 65.00 | Cum |
| 8 | Labour for lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates etc. complete as directed. | 220.00 | Qntl |
| 9 | Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal/Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge. | 165.00 | Cum |
| 10 | Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. | 2915.00 | Sqm |
| 11 | Earth work in excavation of foundation trenches or drains, in all sorts of soil including removing, spreading or stacking the spoils within a lead of 75 m. as directed. | 305.00 | Cum |
| 12 | 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 | 80.00 | Cum |
| 13 | Levelling and Compacting original ground (Sub Grade) by power roller of capacity 80Kn to 100 Kn including filling in depression occur during rolling to obtain the desired dry density | 110.00 | Cum |
| 14 | Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand | 44.00 | Cum |
| 15 | Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. | 350.00 | Sqm |
| 16 | Brick work with 1st class bricks in cement mortar (1:4) In superstructure, ground floor | 73.00 | Cum |
| 17 | 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. | 47.00 | Cum |
| 18 | Supplying, spreading and consolidating an uniform and homogeneous mixture of Stone Dust and Sand (mixed in proportion of 3 : 1 by volume and by any approved method as per direction of Engineer-in- Charge) to the required thickness in layers at 97% Proctor Density (not less than 1.7 gm/cc) with power roller to proper gradient and camber, including watering as necessary, 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 complete as per Specification including all incidental charges of roller, cost of fuel & lubricants. The compaction factor is 0.67. Note: Rolling should also be done before spreading of mixture of stone dust and sand | 23.00 | Cum |



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| 19 | 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 but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. ii)With approved concrete pump | 91.00 | Cum |
| 20 | 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 but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. ii)With approved concrete pump | 527.00 | Cum |
| 21 | Hire and labour charges for leak proof steel shuttering in all shape and size | 594.00 | Sqm |
| 22 | 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. Tor steel/Mild Steel :- SAIL/ TATA/RINL | 60.00 | MT |
| 23 | 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 | 2550.00 | Sqm |
| 24 | M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. | 38.00 | MT |



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| 25 | Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap | 510.00 | Sqm |
| 26 | MS (IS-2062) Holding down bolt (duly hot dip galvanised) with 100 x 100 x 6 mm plate washer at bottom, MS Insert Plates and packing the hole with cement concrete or cement grout as directed.20 mm dia bolt,450 mm long | 192.00 | Nos |
| 27 | 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, EPDM 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 | 50.00 | Sqm |
| 28 | 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,With 1:4 cement mortar,15 mm thick plaster | 750.00 | Sq.m |
| 29 | Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc | 500.00 | Sqm |
| 30 | Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC | 870.00 | Sqm |
| 31 | Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer | 1470.00 | Sqm |
| 32 | Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc | 1030.00 | Sqm |
| 33 | 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, On steel or other metal surface, With other than hi-gloss of approved quality, Two coats (with any shade except white) | 1030.00 | Sqm |
| 34 | Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc.50 mm. x 50 mm. x 8 g. | 250.00 | Sqm |
| 35 | Supplying & laying Double Wall Corrugated (with external annular corrugation and smooth internal walls) High Density Polyethelene Pipes conforming to IS 16098 (Part-II):2013 having Stiffness Class of SN 8 with Ring Stiffness not less than 8.00 KN/Sqm. and Impact Resistance TIR value not more than 10% including necessary jointing materials for nonpressure underground Drainage, Sewerage & Cross drainage application. 300mm internal dia. | 57.00 | M |



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| 36 | C.I. sluice valve 150 mm dia. with flanged ends drilled to as per I.S. 1358/62 and having all cast iron components as per I.S. 780/71 solid forged bronze inside screw spindle having ultimate tensile strength not less than 4.72 MT per sq. cm. Spindle nut valve and seat faces of hard wear resisting, manufactured from best quality gunmetal conforming to I.S. 780/71, painted black all over with asphalt base paint tested to 21 kg (hydraulic pressure) per sq. cm., valve opening to anticlockwise direction, fitted and fixed complete. | 5.00 | EA |
| 37 | Filler joint Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6% bitumen by weight | 925.00 | M |
| 38 | Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75mm X 75 mm X 75 mm wooden blocks complete. 470 mm X 280 mm X 340 mm | 3.00 | EA |
| 39 | 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, tee, 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. For Exposed Work CPVC Pipes Class-1, SDR-11 (Dia) 25mm | 20.00 | M |
| 40 | 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, tee, 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. For Exposed Work CPVC Pipes Class-1, SDR-11 (Dia)40mm | 20.00 | M |
| 41 | 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. (i) 450 mm X 300 mm size | 2.00 | EA |
| 42 | Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. 900 mm long | 3.00 | EA |
| 43 | Supplying, fitting and fixing bib cock or stop cock. (d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). | 5.00 | Each |
| 44 | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). Dia 40mm | 5.00 | Each |



| | | | |
|----|--|--------|------|
| 45 | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). Dia 25 mm | 5.00 | Each |
| 46 | Removing old paint from blistered painted surface of steel or other metal by chipping including scraping and cleaning and exposing the original surface. | 200.00 | Sqm |
| 47 | 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. | 100.00 | Sqm |
| 48 | Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength > 1200 N | 100.00 | Sqm |
| 49 | Supplying, fitting & fixing UPVC pipes A- Type 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, valamoid/Bitumen/M-Seal etc) complete. A) UPVC Pipes: 110 mm. Dia | 36.00 | M |
| 50 | Supplying, fitting & fixing UPVC pipes A- Type 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, valamoid/Bitumen/M-Seal etc) complete. B)UPVC Fittings:Plain Tee 110mm | 10.00 | EA |
| 51 | Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface/concrete surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803). (ii) Up to 10 cm in width | 200.00 | Sqm |
| 52 | Painting Lines, Dashes, Arrows etc on Roads in Two Coats on Old Work Painting lines, dashes, arrows etc on roads in two coats on old work with ready mixed road marking paint conforming to IS: 164 on bituminous surface/concrete, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803). (ii) Up to 10 cm in width | 100.00 | Sqm |
| 53 | Supply, installation, testing & commissioning Distribution Box (outdoor type) having incoming 200A ICTPN switch fuse unit (L&T/ Havells/GE/ Similar brand) and 06nos outgoing (03pole +N) through copper busbar of size 20X10 mm. | 2.00 | Nos |
| 54 | Supplying and fixing 32 amps rating, 240/415 volts, 10 kA, "C" curve, Single pole and neutral miniature circuit breaker (MCB) suitable for inductive load of poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | 20.00 | Nos |
| 55 | Supply, installation PVC switch box with 03nos 5/15A Switch Sockets ,7 Nos switch (type-A) (Havells/Anchor/ Similar brand) | 16.00 | Nos |



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| 56 | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (Total 16Nos Office Room &4Nos Vendor Shed) | 20.00 | Nos |
| 57 | Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required (Each office room 04Nos Ceiling rose, total 16nos office room) | 16.00 | Nos |
| 58 | Supplying and fixing 4ft Batten Led Tube light 20W including connection etc as required | 45.00 | Nos |
| 59 | Supplying & Fixing Industrial Plug & Socket board with 240 V, 4 nos. 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. with separate 4 nos. 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection. | 4.00 | Nos |
| 60 | Wooden switch box with 03nos 6Amp Tumbler Switch Socket and 07nos Switches - (type-B) (Havells/Anchor/ Similar brand) | 4.00 | Nos |
| 61 | Providing and fixing 32A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 4.00 | No |
| 62 | Providing and fixing 100A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 1.00 | No |
| 63 | Providing and fixing 200A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 1.00 | No |
| 64 | Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm) 50-Mtr Aprox | 50.00 | Mtrs |
| 65 | Supplying and making end termination with brass compression gland and aluminium lugs for 3 X 10 sq. mm (22mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. | 75.00 | Set |
| 66 | Supplying and making end termination with brass compression gland and aluminium lugs for 3½ X 95 sq. mm (45mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. | 6.00 | Set |
| 67 | Supply, laying & end termination connection of 1 X 3.5 C X 95 sqm 1.1 KV AL XLPE Armoured cable | 200.00 | Mtrs |
| 68 | Supply, laying & end termination connection 10-Sq.mm Copper Cable 1.1KV Grade | 600.00 | Mtrs |
| 69 | Supply & Installation of outdoor type 200W LED Flood Light, 220V-240V, IP65 | 6.00 | Nos |
| 70 | Supply & Installation of 7mtrs Hight Octagonal Light Pole and Connection of 2nos LED Flood Light each pole | 3.00 | Nos |

NB: (i) UOM- Unit of Measurement. (ii) LS -LumpSum, (iii) Cum – Cubic Meter, (iv) Qntl - Quintal, (v) Sqm – Square Meter, (vi) MT- Metric Ton , (vii) M- Meter. (viii) M2 - Square Meter, (ix) Mtrs -meters, (x) Nos - Numbers, (xi) Set - Set, (xii) EA – Each.

ARTICLE/अनुच्छेद 7. JOB EXECUTION कार्य निष्पादन

Job is to be carried out strictly as per SOTR and GRSE requirement and in case of doubt, instructions of the officer-in-charge of GRSE (YM Dept.)/ their authorised representative is to be followed.

ARTICLE/अनुच्छेद 8. TENURE OF CONTRACT

The tenure of the contract shall be for 05 (Five) months as specified in the NIT Terms & Requirements.



ARTICLE/अनुच्छेद 9. JOB EXECUTION SCHEDULE कार्य निष्पादन सूची

- (a) **Mobilization Period / लामबंदी अवधी** shall be 07 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 / कार्य समाप्ती तिथी:** -The job is required to be completed within 05 months as specified at NIT Terms & Requirements.

ARTICLE/अनुच्छेद 10. GUARANTEE & WARRANTY गारंटी एवं वारंटी

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

ARTICLE/अनुच्छेद 11. PRICE मूल

- (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

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.

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

15.1 L1 bidder will be decided on Totality Basis based on the tendered quantity indicated in the Price Bid.

15.2 The work will be executed as a whole without splitting of order.

ARTICLE/अनुच्छेद 16. AWARDING JOBS TO MULTIPLE BIDDERS बहुल बिडर के लिए ठेका कार्य Not Applicable for this tender.

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): (Applicable for the Contract value more than Rs. 2.0 Cr.) Not Applicable for this Tender

(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 (Sl.-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 Bam Bahadur Singh, Height-7; Flat No.1802, Uniworld City, New Town, Rajarhat, Kolkata-700160 Email: bbsinghbeml@gmail.com | Shri Pidatala Sridhar, IRS (Retd.) Flat 2C, Kanaka Lakshmi Apartments 3-6-467 & 468 Street Number-6, Himayatnagar, Hyderabad-500029, Email: sridharpidatala@gmail.com |
|--|--|

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

- 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.
- 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.
- 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. Any query/difficulty in understanding of SOTR or other technical Terms may be got clarified from **Mr. Tanay Saha, DGM (YM), Mobile No. 7603039445, e-mail: Saha.Tanay@grse.co.in**
 - b. Any query/difficulty in understanding of Commercial Terms may be got clarified from **Mrs. Archana Sharma, Manager (Contract), GRSE (61P Unit) e-mail: Sharma.Archana@grse.co.in Mobile no. +9147162441.**
 - c. Any difficulty in submitting / uploading of e-tender or for any system help **Mr. Saraswata Palit, SM (GRSE E-PROCUREMENT), e-mail/ Palit.Saraswata@grse.co.in/ GRSE Service Provider M/s. NIC personnel may be contacted [Land line no: 033 24893902]**
- 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.

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 individual order value (inclusive of taxes) as specified at NIT Terms & Requirements is to be deposited in the manner elaborated in STAC (Annexure - 2).

Security Deposit shall be released on issue of job completion certificate by WDC Authority and submission of PBG (if applicable).

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. 90% (Ninety percent) of the value of actual work done will be paid progressively against R/A bill at a frequency of once every month during construction. The amount paid at every month shall be evaluated on the basis of actual completed works done during the previous month, against the BOQ item and unit Rates, on certification of quantum and quality of work by Engineer / Engineer's Representative.
- 3.3. Balance 10% (Ten percent) bill amount will either be retained from each bill as Performance Guarantee and the same will be released after expiry of guarantee period of the of the job duly certified by the bill approving authority or be paid against submission of performance Bank guarantee.
- 3.4. Payment will be made on actual certification basis through ECS mode.
- 3.5. No advance payment will be made in any circumstances.
- 3.6. The Bill submitted by Vendor will be certified by AGM(YM) / Any other GRSE Officer as designated by GRSE Ltd.
- 3.7. The Final Bill will be certified after total completion of the work and after certification of YM Dept.

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

Work Done Certificate will be issued AGM(YM) / Nominated Officer/Any other GRSE Officer as designated by GRSE Ltd.

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 Authority बिल प्रमाणन प्राधीकर:**

Bill will be certified by AGM (YM)/ his nominated officer.

6. **Bill Submission बिल प्रस्तुति:**

On obtaining WDC, bills to be raised as Progressive RA Bills. Bills are to be submitted along with supporting documents (Work Done Certificate etc.) at the Bill Receiving Counters located at the respective units of Company. Bill is to be submitted (in 03 copies) in sealed envelope super-scribing on the envelope the Purchase Order No., Vendor code, Bill / Invoice No., Name of person /employee to whom bill is addressed, for processing. The Name of the person to be mentioned on sealed envelope will be the Bill certifying officer.

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

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) – Not applicable.**

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) |

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 (For Tenders above INR 2 Cr) |
| 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) |
| 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 ending on 31st Mar'21 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>



ii. 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 | 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, Contract Cell, Commercial Department, New Building complex, 2 nd Floor, GRSE 61 Park Unit, 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). | |
| <u>NON-SUBMISSION / INCOMPLETE SUBMISSION IN RESPECT TO ABOVE MAY LEAD TO REJECTION OF BID</u> | | |

ARTICLE/अनुच्छेद 26. SUBMISSION OF BID बिड की पेशी

- i. 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.
- ii. 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.
- iii. GRSE reserves the right to accept / reject any Tender in full or in part without assigning any reason.
- iv. 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

- i. Bidders are requested to forward their queries over email to the e-mail address Saha.Tanay@grse.co.in with copy to Sharma.Archana@grse.co.in.
- ii. Pre-bid meeting shall be held at YM Department at GRSE Main Unit 43/46, Garden Reach Road, Kolkata - 700024 on 10th day from tender publishing date.
- iii. The dates & time related to Prebid Meeting shall prevail over SOTR.

Archana Sharma
Manager (Contract) / प्रबन्धक (संबिदा)
Garden Reach Shipbuilders & Engineers Limited
61, Garden Reach Road, Kolkata – 700063.

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

GARDEN REACH SHIPBUILDERS & ENGINEERS LIMITED:

Kolkata-700024



**CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT ALONG WITH THE
CONSTRUCTION OF 4 NOS. OF CONVENTIONAL VENDOR SHED & 8 NOS.
DOUBLE STORIED PORTABLE CONTAINER SHED AT GRSE FOJ UNIT, KOLKATA**

**STATEMENT OF TECHNICAL REQUIREMENTS (SOTR),
SPECIAL TERMS & CONDITIONS (STC)**

Garden Reach Shipbuilders & Engineers Ltd
Main Yard
43/46 Garden Reach Road
Kolkata - 700024, INDIA

YM1//SOTR/FOJ/HS & VS/2024

1 of 26



| | | |
|---|---|---|
| GRSE Ltd.  | CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT ALONG WITH THE CONSTRUCTION OF 4 NOS. OF CONVENTIONAL VENDOR SHED & 8 NOS. DOUBLE STORIED PORTABLE CONTAINER SHED AT GRSE FOJ UNIT, KOLKATA | SOTR No. YM/1/SOTR/FOJ/HS & VS/2024 Sheet: 1 of 26 |
| Yard No.: NA | | Rev: 1 |
| Group : YM | | |
| Inspection: GRSE YM Dept | Prepared by: Debojit Nandi, AM (YM) Date : 04.02.2024 | Checked by: Tanay Saha, DGM(YM) Concurred by: Sanat Datta, AGM(YM) |

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

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APPENDIX-1 : GENERAL LAYOUT DRAWING

APPENDIX-2 : TENTATIVE GA DRAWING OF CONVENTIONAL AND CONTAINER SHED

APPENDIX-3 : TYPICAL DRAWING OF CONCRETE JOINT

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1. INTRODUCTION

1.1 Purpose

- 1.1.1 Garden Reach Shipbuilders and Engineers Limited (GRSE), Kolkata invites tender for Construction of Reinforced Concrete Pavement / Hardstand along with construction of Conventional types vendor sheds and double storied container shed (Portable cabin) using the shipping containers (20 ft/ 40 ft) at GRSE, FOJ Unit, Kolkata as per Item-Rate contract basis.

1.2 General Layout and General Arrangement Drawings

- 1.2.1 General Layout drawing of the above concrete pavement / Hardstand including tentative GA drawing of the Conventional type vendor shed and double storied container shed (Portable Cabin) are enclosed along with the tender (**List at Appendix-1 & 2**) for ready reference.

1.3 General Specification

- 1.3.1 This set of technical requirement provides a general guideline for successful execution of the work under the scope of this tender. The work for Construction of Reinforced Concrete Pavement / Hardstand along with construction of Conventional types vendor sheds and double storied container shed (Portable cabin) 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 PWD/CPWD Schedule and best engineering practices.
- 1.3.2 The contractor shall have in-house design-engg. setup for carrying out detail design & drawing of concrete pavement, Civil & steel structure as per the requirement of job under this tender. Alternatively the vendor shall engage a reputed design firm on being awarded the contract. The bidder shall indicate the details of the design firm during TNC.

2 SCOPE OF WORK

2.1 Detailed Scope of Supply & Work

- 2.1.1 The work primarily involves construction of reinforced Concrete Pavement and laying of 100 mm thick concrete paver block (M-50) including construction of 04 (Four) Nos. of conventional vendor sheds and 08 (Eight) Nos. double storied container shed at various location of GRSE FOJ Unit as indicated in the layout drawing (**Appendix-1**) enclosed along with the tender. The Scope of work under this tender broadly comprises of following: -
- Physical site survey by using Total Station / Auto level based on job requirements and necessities of GRSE for finalisation of GA drawing.
 - Preparation of Design and Drawing including construction drawing of the above pavement and sheds(Conventional & container) [by qualified (minimum BE) & experienced Design / structural Engineer] for approval by GRSE.
 - 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.



- d) Dressing/levelling / filling and compacting original ground by suitable roller of capacity 80Kn to 100 Kn to obtain the desired dry density and subsequently conducting Proctor compaction test as per the direction of EIC.
- e) Dismantling of concrete block/masonry.
- f) Concreting (M30 Grade) for reinforced cement concrete hardstand with necessary expansion and contraction joint along with the use of dowel bar. **Appendix-3** showing the typical concrete joint is enclosed along with the tender.
- g) Construction of 08 (Eight) Nos. double storied portable cabin type vendor shed by modifying the already available container having total area of about 29 sqm (for both the floor) with a dimension of about 6 M x 2.4 M x 2.4 M at each floor. For container type vendor shed, Containers (40 feet and 20 feet) will be supplied by GRSE and necessary modification such as internal partition, window, door, painting, roof shed, rain water down pipe, erection of container and its placement and necessary transportation of container within GRSE FOJ are required to be done by Vendor.
- h) Construction of 04 (Four) Nos. single storied vendor shed having sloped roof made of light structural material and Zn-Al metal Sheet (make Tata BlueScope).
- i) Supply & erection of steel stair and walking platform for double storied container shed.
- j) Concreting (M25 Grade) for footing, pedestal work and floor pavement required for vendor shed.
- k) Leak proof steel shuttering work of any shape and size.
- l) Maintaining proper slope/gradient while constructing the pavement, so that no water stagnation take place. Concrete pavement/hardstand shall have broom finish on the top surface and shall maintain uniform straightness along the edge.
- m) The above proposal also includes the construction of drains, Laying of HDPE pipe conforming to IS 16098(Part-II/2013) and electrical trench as per requirement and also includes the laying of fire line using MS pipes.
- n) Masonry work.
- o) Pavement marking work.
- p) Fabrication and erection (If Structural Steel Section or Hollow Section is supplied by GRSE, rate of recovery @ Rs 43140/ ton as an issue rate from Bill).
- q) All equipment and machinery including consumables necessary for the construction, fabrication & erection are to be arranged by the contractor.
- r) Pumping out of water if required during work.
- s) Cutting and trimming of trees as required.



- t) 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.
- u) 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.
- v) Providing illumination, Industrial Plug & Socket points & other electrical points at all Vendor Sheds including earthing, electrical power distribution, laying of cable from the existing nearest power supply point, Area lighting etc. as per the attached SOTR, BOQ and SLD (Appendix 4, 5, 6 & 7 respectively).
- w) Any other related Civil works for successful completion of the project.
- x) Site Clearance
- y) Defect Liability of 12 (twelve) months against defective material, workmanship, quality for material supplied for the executed work.

2.2 Pre-Bid Meeting

2.2.1 Attending pre-bid meeting along with site visit 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.

2.2.2 It is always advisable to attend Pre-bid meeting physically. If for any reason physical attendance is not possible, pre-bid meeting can be attended via video conference and in that case prior intimation has to be given at least one day before Pre-bid meeting.

2.2.3 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.

2.2.4 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.

2.3 Submission of Technical Documents along with the Bid

2.3.1 The Tenderer shall submit following documents along with their technical Bid:

2.3.1.1 Organisation Chart

2.3.1.2 Work Plan i.e. Methodology

2.3.1.3 Schedule/Programme of work with milestones



2.3.1.4 Necessary supporting documents for work experience as per technical eligibility criteria.

2.3.1.5 Initial QAP

2.3.1.6 Initial Safety Plan

2.4 Drawings, Design Calculations and Documents including Quality Assurance Plan (QAP)

2.4.1 The Contractor shall submit GA, Drawings, Design Documents including QAP etc. to GRSE for review/approval.

- a) Finalisation of GA, detailed design & construction working drawings for steel structure & pavement are required to be submitted by 10 days from the date of LOA. The contractor shall ensure that each drawing & document contain all necessary details to reduce number of revisions.
- b) 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.
- c) 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.
- d) Monthly Progress Reports
- e) As built drawings (GA, section, elevation etc.) of Concrete reinforced Pavement, conventional and container shed including allied facilities in both hard and soft (AUTOCAD & Pdf) format on completion of work.

2.5 Other General Requirements

2.5.1 The Contractor shall carry out detail survey on site for finalisation of extent of work.

2.5.2 The Contractor will be responsible for overall site management and coordination of site activities within the boundary of the works, as necessary to ensure the adequacy, stability and safety of the works and of persons at the site. The contractor shall require planning his work in coordination with on-going production activities of GRSE, other contractors working in and around the workplace.

2.5.3 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.

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- 2.5.4** No contractor workmen are allowed to enter into GRSE premises after 08:30 AM and allowed to exit before the scheduled-out time i.e. 05:06 PM on week days and 01:00 PM on working Saturdays. Early exit is possible on approval from Engineer-In charge. Work will be permitted beyond normal working hours with prior approval of GRSE.
- 2.5.5** 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/louwer 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).
- 2.5.6** 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.
- 2.5.7** Dismantling work, handling & removal of salvageable & unsalvageable materials shall not come in the way of ongoing functioning of GRSE.

2.6 Detail Job Quantity

- 2.6.1** 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.
- 2.6.2** The Contractor shall execute required quantity for successful completion of project work at the same contractual rates and terms & conditions for any extent of variation in stipulated BOQ quantities.
- 2.6.3** List of BOQ Items considered under the scope of this tender is provided at successive clause for reference.
- 2.6.4** 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

3.1.1 Structural Steel Work

- 3.1.1.1** 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.
- 3.1.1.2** 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
- 3.1.1.3** 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.



3.1.1.4 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.

3.1.2 Concreting Work (Nominal & Ready Mixed Concrete):

3.1.2.1 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.

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

3.1.2.3 The grade of RMC is M 25 & M 30.

3.1.2.4 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.

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

3.1.2.6 Shuttering shall be steel shuttering 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.

3.1.2.7 Each layer of concrete shall be compacted fully before the succeeding layer is placed.

3.1.2.8 All concrete work shall be water cured for a minimum period of 7 days after concreting or as directed by Engineer.

3.1.3 Steel Reinforcement:

3.1.3.1 Supplying TOR steel reinforcement (of approved manufacturer) of tested quality of any diameter up to 32mm dia minimum Fe 415 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.

3.1.4 Metal Sheeting:

3.1.4.1 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.

3.1.4.2 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 .

3.1.4.3 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.

3.1.4.4 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).

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). Weather locked EPDM washer should be used.

3.1.4.5 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.

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

3.1.4.7 No extra payment to be made for Ridge and Corner flush.

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

3.1.5 Polycarbonate Sheeting Work

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

3.1.5.2 Sheet shall be UV protected as per IS 12866-1989.

3.1.5.3 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).

3.1.5.4 150 mm end lap and one corrugation minimum side lap is required to be maintained.

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

3.1.5.6 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.**

3.1.6 Rainwater Down takes:

3.1.6.1 The rain water pipes shall be of the UPVC and of the sizes as specified. All rainwater pipes shall be fitted and fixed in proper position with necessary offsets, clamps, shoe, Y-junctions and other accessories as required and as directed by the Engineer-in- Charge. All joints are to be properly packed.

3.1.7 Masonry / Brickwork



- 3.1.7.1 The bricks shall be locally available kiln burnt bricks of generally regular and uniform size, shape & colour, uniformly well burn but not over burnt.
- 3.1.7.2 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.
- 3.1.7.3 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.
- 3.1.7.4 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.
- 3.1.7.5 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.

3.1.8 Painting Work

- 3.1.8.1 The Exterior and Interior Painting on all types of surface 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'.
- 3.1.8.2 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.
- 3.1.8.3 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.
- 3.1.8.4 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.
- 3.1.8.5 **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.
- 3.1.8.6 **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.
- 3.1.8.7 **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.
- 3.1.8.8 **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.



- 3.1.8.9 **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.

3.2 Electrical Work

- 3.2.1 Electrical Work:** - Supply, installation, testing & commissioning of following electrical equipment's for New vendor shed. For technical issues, relevant Standards/Codes shall be BIS IS:4594, IS:3177, IS:807, IS:875, IS:1893, IS:800, The Indian Electricity Act 2003 & Indian Electricity Rules 1956 and other relevant BIS as applicable.

- 3.2.1.1 Supply, installation, testing & commissioning Distribution Box (outdoor type) having incoming 200A ICTPN switch fuse unit (L&T/ Havells/GE/ Similar brand) and 06nos outgoing (03pole +N) through copper busbar of size 20X10 mm.- 02 Nos
- 3.2.1.2 Supplying and fixing 32 amps rating, 240/415 volts, 10 kA, "C" curve, Single pole and neutral miniature circuit breaker (MCB) suitable for inductive load of poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. – 20 nos.
- 3.2.1.3 Supply, installation PVC switch box with 03nos 5/15A Switch Sockets ,07 Nos switch(type-A) (Havells/Anchor/ Similar brand)-16 Nos
- 3.2.1.4 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required (Total 20Nos Office Room & Vendor Shed). –20 Nos
- 3.2.1.5 Supplying and fixing 3 pins, 5-amp ceiling rose on the existing junction box/ wooden block including connection etc as required (Each room 04Nos Ceiling rose, total 16nos office room) - 16 Nos
- 3.2.1.6 Supplying and fixing 4ft Batten Led Tube light including connection etc as required - 45 Nos
- 3.2.1.7 Supplying & Fixing Industrial Plug & Socket board with 240 V, 4 nos. 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. with separate 4 nos. 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection. - 04 Nos
- 3.2.1.8 Wooden switch box with 03nos 6Amp Tumbler Switch Socket and 07nos Switches (type-B) (Havells/Anchor/ Similar brand) -04 Nos
- 3.2.1.9 Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required
- a) 32 A TP&N- 04 Nos
 - b) 100 A TP&N- 01 No
 - c) 200 A TP&N- 01 No
- 3.2.1.10 Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm) 50-Mtr Approx.- 50 meter.
- 3.2.1.11 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.



- a) 3 X 10 sq. mm (22mm)- 70 Set
- b) 3½ X 95 sq. mm (45mm)- 06 Set
- c)
- 3.2.1.12 Supply & laying & end termination connection of 1 X 3.5 C X 95 sqm 1.1 KV AL XLPE Armoured cable- 200 Mtrs.
- 3.2.1.13 Supply & laying & end termination connection 10 Sq.mm Copper Cable 1.1KV Grade- 600 Mtrs
- 3.2.1.14 Supply & Installation of outdoor type 200W LED Flood Light, 220V-240V, IP65- 06 Nos
- 3.2.1.15 Supply & Installation of 9mtrs Hight Octagonal Light Pole and Connection of 2nos LED Flood Light each pole- 03 Nos

3.3 Approved Make / Brand

| Item | Make / Brand |
|--|---|
| Cement | Lafarge / ACC / Ultratech or equivalent as approved by Engineer |
| Reinforcement Steel | TISCO / SAIL / ESSAR / RINL/ SRMB or equivalent as approved by Engineer. |
| Structural Steel | SAIL / TATA / JINDAL / equivalent as approved by Engineer |
| Metal Sheet | LYSAGHT TRIMDEK® -A Product of Tata BlueScope Steel Ltd |
| Paint | Asian Paints / Berger / ICI / Nerolac or equivalent as approved by Engineer |
| CPVC Pipe | Supreme/Oriplast/Skipper/Astral or equivalent as approved by Engineer |
| UPVC Pipe | SUPREME / PRINCE /ORIPLAST or equivalent as approved by Engineer |
| Valves | (i) L&T Valves,(ii) Shenco Valves (iii) Kirloskar (iv)Leader v)JJ or equivalent as approved by Engineer |
| Switch Fuse Unit (SFU) | C&S/ Havells/ Schneider/ Siemens/ ABB |
| MCB's, MCCB's & MCB DB | Havells/ C&S/ L&T/ Siemens/ Schneider/ Legrand |
| 1.1 KV AL XLPE Armoured cable | Skytone/ National/ Polucab/ Glloster/ KEI |
| PVC insulated 1.1KV grade copper wires & Cables | Havells/ HPL/ Finolex/ Policab |
| Terminals | Elmex/ Technoplast/ Molex/ Connectreed |
| Lugs | Dowells/ Ismal |
| Glands | Braco / Commet / Jainson / Dowells |
| Indicating Lamps | L&T/ Siemens/ Technique |
| Light fittings & Luminaries | Philips/Crompton/Balaji/Havells/Wipro |
| External Light | Bajaj/ Philips/ Wipro/ Havells |
| Panel meters (Ammeter, voltmeter, frequency meter) | Automatic Electric / Schneider/ Enercon - Conzerve / L&T |



| | |
|-------------------------------------|---|
| Industrial Sockets & Switches | HPL/ Snieder/ LEGRAND/ PHILIPS/ ABB |
| Steel/ PVC Conduit | ATUL/ JPC/ KRAFT/ SGI |
| FRLS PVC insulated wires (ISI mark) | Finolex / Sundeep / Poliplast/polycab/RR unilay |
| GI Pipe | Tata/Jindal |
| HDPE Pipes | Supreme/Oriplast/Skipper/Astral or equivalent as approved by Engineer |
| PVC Tank | Sintex/Reno or equivalent as approved by engineer |

3.4 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-8

4 HEALTH AND SAFETY

4.1 Safety Guidelines to be adopted by the Contractors at GRSE Premises

- 4.1.1 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 |



4.1.2 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.

4.1.3 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.

4.1.4 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 (Part -
- (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 it's 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.

4.1.5 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.

4.1.6 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.

4.1.7 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.

4.2 Health & Safety Plan

4.2.1 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.

4.2.2 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 &

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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.

4.3 Health & Safety Risk Assessment

4.3.1 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.

4.3.2 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.

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

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

- a) Training of personnel.
- b) Physical measures on site e.g. temporary works, barriers etc.
- c) Methods of work on site.
- d) Management e.g. permits to work; monitoring and control of potentially hazardous activities, co-ordination with other parties
- e) Documentation e.g. method statements, maintenance manuals etc.

4.4 Health & Safety Management Plan

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

4.4.2 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.

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

4.4.4 It shall include but not be limited to:

- a) 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.
- b) Staff training and certification.
- c) Accident reporting.
- d) Reporting of non-compliance.
- e) Safety Management and control of Sub-Contractors.
- f) Work Equipment, Plant, and Personal Protective Equipment.
- g) First aid provision.
- h) Emergency procedures.

4.5 Height work

4.5.1 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

5.1 Contractor to Supply all Materials

5.1.1 Unless stipulated otherwise in the Contract, all materials including consumables required for the work shall be procured and supplied by the Contractor with the approval of the Engineer or his Representative and subject to subsequent testing as may be required by the Engineer or his Representative.

5.1.2 The Contractor shall comply with the relevant IS Codes.

5.2 Deployment of Resources

5.2.1 Contractor shall provide adequate number of qualified / experienced workmen, with experienced Engineers / Supervisors & also one experienced / qualified Safety Officer 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. 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.

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

5.3 Testing of Materials and Acceptance

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

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

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

5.3.4 Unless stipulated otherwise in the Contract, the cost of any test required by the Engineer or his representative in respect of materials and workmanship deployed on the work shall be borne by the Contractor.

5.4 Inspection by the Engineer

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

5.4.2 The Contractor shall provide the Engineer with proper free and safe access to the Contractor's works and stores or his sub-contractor's works and stores at all times and shall provide reasonable facilities to enable him to undertake his inspection.

5.4.3 The Contractor shall make all necessary arrangements to enable stage inspections by the Engineer.

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



5.5 Quality & Workmanship

5.5.1 Quality and workmanship of all items/materials and work shall conform to BOQ /Technical Specification / relevant Indian Standards. The Contractor shall be responsible for any loss/damage during the course of work to 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.

5.6 Materials / Work not acceptable to Engineer

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

5.7 Contractor to Commence Work

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

5.8 Supervision by the Contractor

5.8.1 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.

5.8.2 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.

5.8.3 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.

5.8.4 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.



5.9 Setting Out

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

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

5.10 Care of the Work

5.10.1 From the commencement of the works till issue of the Completion Certificate hereof; the Contractor shall take full responsibility for the care thereof. Save for the excepted risks, any damage, loss or injury to the work or any part thereof shall be made good by the Contractor at his own cost as per instruction and to the satisfaction of the Engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer / Owner, shall be recovered from the Contractor.

5.11 Protection of the Existing Structures / Machines

5.11.1 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.

5.11.2 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.

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

5.12 Existing Roads & Shop floor to be kept clean

5.12.1 Existing roads & Shop floor used by vehicles/machineries of the Contractor or any of his subcontractors for supplies of materials or plant shall be kept clean and clear of all dirt, mud or any other materials dropped by the said vehicles or their tyres. The Contractor shall provide and maintain all equipment as may be necessary to keep the Owner's roads clean as required by this Clause.

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

5.13 Control of Pollution / Health Hazards

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

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

5.14.1 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.



- 5.14.2** 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.
- 5.14.3** Details of technical personnel deployed for the job.
- 5.14.4** Log book for re-work/ modification.
- 5.14.5** Site instruction book.
- 5.14.6** Details of materials brought by vendor along with copies of challan.
- 5.14.7** Proper record of hindrances is to be maintained by the contractor for the purpose of timely removal of the hindrance and is to be put up for approval by the Engineer on weekly basis.

5.15 Clearance of Site

- 5.15.1** 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.
- 5.15.2** On receiving the Completion Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, scrap materials, wreckage, debris, rubbish and temporary works from the Site or as directed by the Engineer.
- 5.15.3** The site shall be handed over in a tidy and workmanship manner.
- 5.15.4** If all these items have not been removed within 28 (twenty-eight) days, after the issue of Completion Certificate the Owner may sell or otherwise dispose of any remaining items. The Owner shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.

6 GRSE SCOPE

6.1 Electricity

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

6.2 Water

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

7 SPECIAL TERMS AND CONDITIONS OF CONTRACT



7.1 Technical Eligibility Criteria

7.1.1 Bidder shall have experience of successful execution of Similar Nature /Type of Job i.e. Construction of Concrete pavement/Hardstand, Construction of Building or Industrial Shed including related civil work during last Seven (07) years. The vendor shall have experience in RCC work. However experience in Steel Structure work only shall not be considered. 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.

7.1.2 Bidder has to fulfill experience in successful completion of aforesaid similar jobs of value not less than Rs. 200 Lac for one job OR not less than Rs. 125 Lac each for two jobs OR not less than Rs. 100 Lac each for three jobs in last Seven (07) years. The bidder must submit necessary proof duly endorsed along with the bid.

7.2 Site Condition

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

7.2.2 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.

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

7.2.4 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.

7.3 Site Consultations

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

7.4 Work Done Certificate (W.D.C.)

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



7.5 Completion Period

- 7.5.1** Completion period of the entire scope of work under this tender shall be: -
Total 05 (Five) calendar months from the date of issue of Letter of Award (LOA) or signing of contract agreement whichever is earlier.
- 7.5.2** The Tenderer, however, is required to assess the period and confirm the completion period. The tenderer must submit a network schedule (in MS Projects) explaining planning and program in detail for execution of the project.

7.6 Guarantee Period / Defect Liability Period (DLP)

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

7.7 Submission of RA Bills by the Contractor

- 7.7.1** 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.

7.8 Ownership of Scrap

- 7.8.1** 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.

7.9 Completion Certificate

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



7.10 Variation and its Valuation

The Engineer shall have the power to order the Contractor in writing to make any variation of the quantity, quality or form of the works or any part thereof that may, in his opinion, be necessary and the Contractor upon receipt of such an order shall act as follows:

- 7.10.1.1 Increase or decrease the quantity of any work included in the Contract.
- 7.10.1.2 Omit any work included in the Contract.
- 7.10.1.3 Change the character or quality of kind of any work included in the Contract.
- 7.10.1.4 Execute extra and additional work of any kind necessary for completion of the works.

7.10.2 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. No variation (upward/downward) in quantity (without any limit) and value shall in any 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 increase 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.

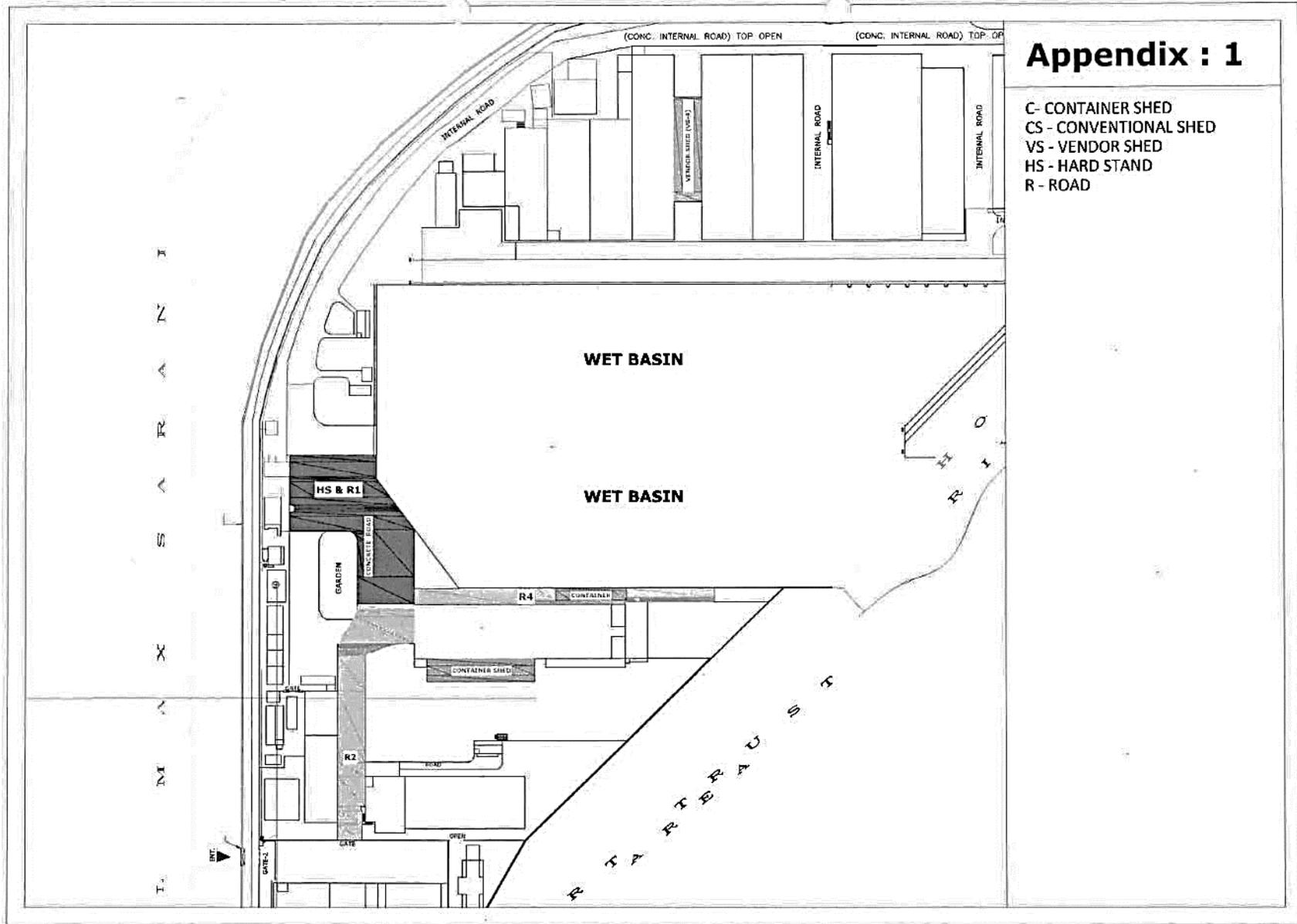
7.10.3 Payment for Extra, Additional, Omitted, Substituted Work

- 7.10.3.1 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.
- 7.10.3.2 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.
- 7.10.3.3 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.
- 7.10.3.4 Rates of item of work that is not included in the schedule of items/BOQ shall be fixed as per the following procedure:

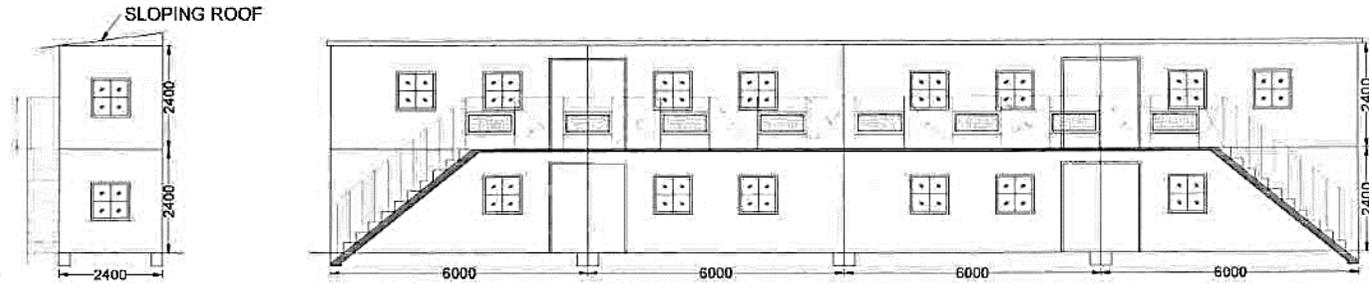


- (a) Where the extra works are of similar character and of equivalent value and / or executed under similar conditions as to any item of work appearing at Schedule of Quantities, then the rates for such extra items shall be equal to the rates of such items.
- (b) If the extra works are of similar character but differing in particulars then the rate of such item or items shall be derived from Schedule of Quantities, as modified to take fair account of the differences in particulars.
- (c) Where items of similar character are not contained in the Schedule of Quantities and none of the foregoing methods are applicable, rates shall be based on the norms of PWD/CPWD for labour, materials content respectively. However, in both cases local prevailing market rate for labour & material shall be adopted.
- (d) Where rates for extra item of works cannot be established by rate analysis as per the above, then rate for such item shall be estimated and fixed by the Engineer based on the market rates and assessment for labour, materials and other factors involved thereon.

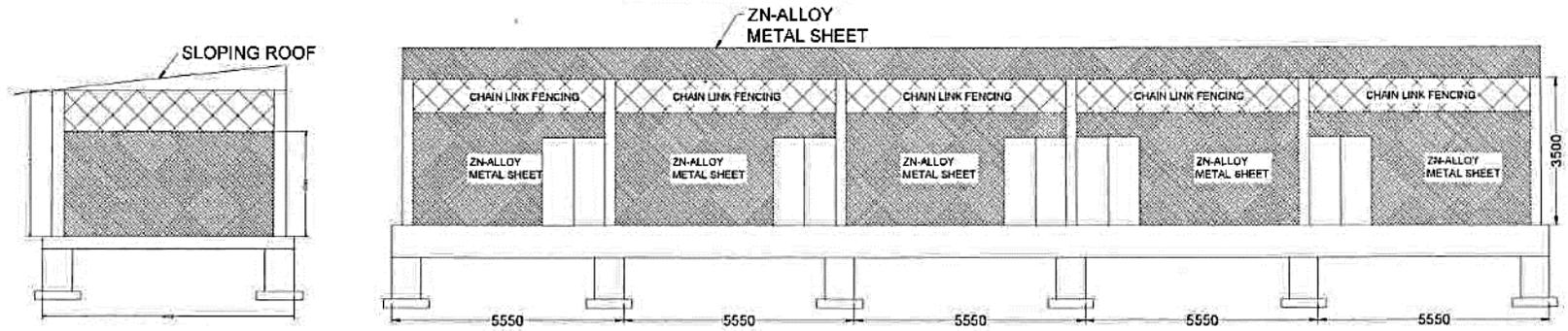
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Appendix : 2



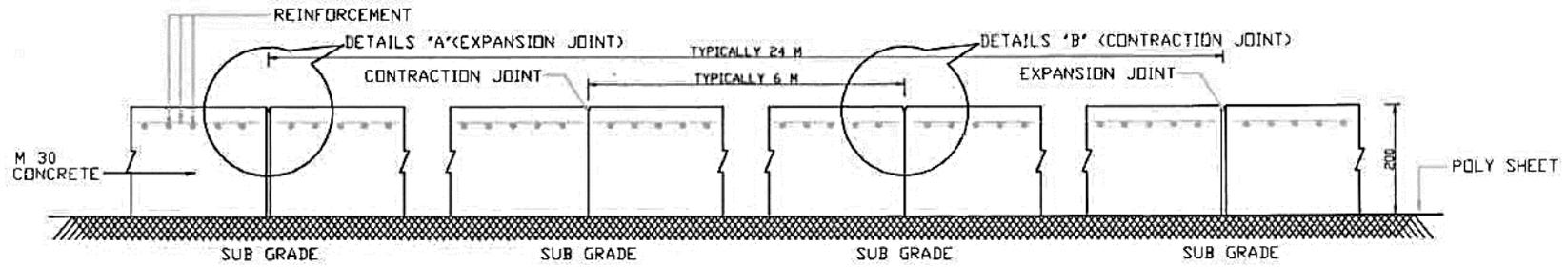
Container Shed



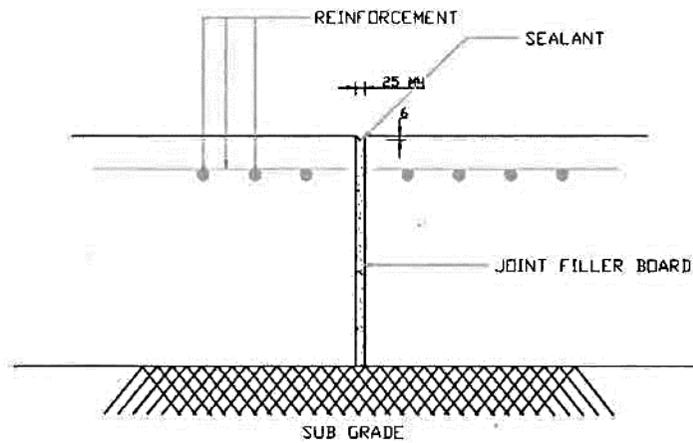
Conventional Vender Shed

| | | | | | |
|---------|--------|----------|----------------------------|-------------------------|--------------|
| Client: | Title: | Project: | Drawing No: | Date: | |
| | | | | Rev: | |
| | | | Prepared By: | Checked By: | Approved By: |
| | | | A.K.Biswas (BOPT Civil) | S.P.Tiwari (Spvr.YM) | |

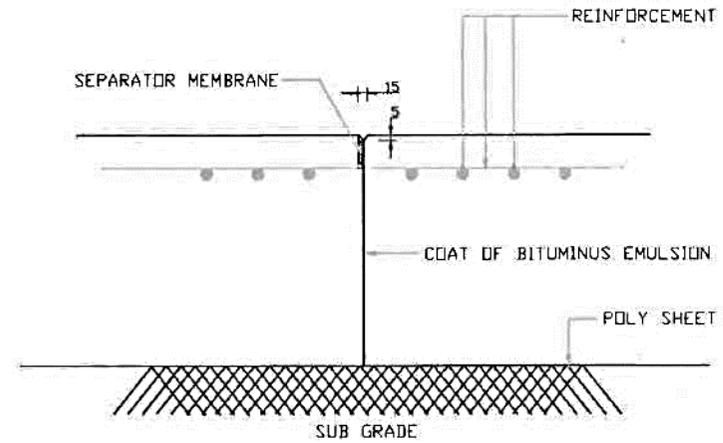
TYPICAL DRAWING OF CONCRETE JOINT Appendix-3



TYPICAL SECTION

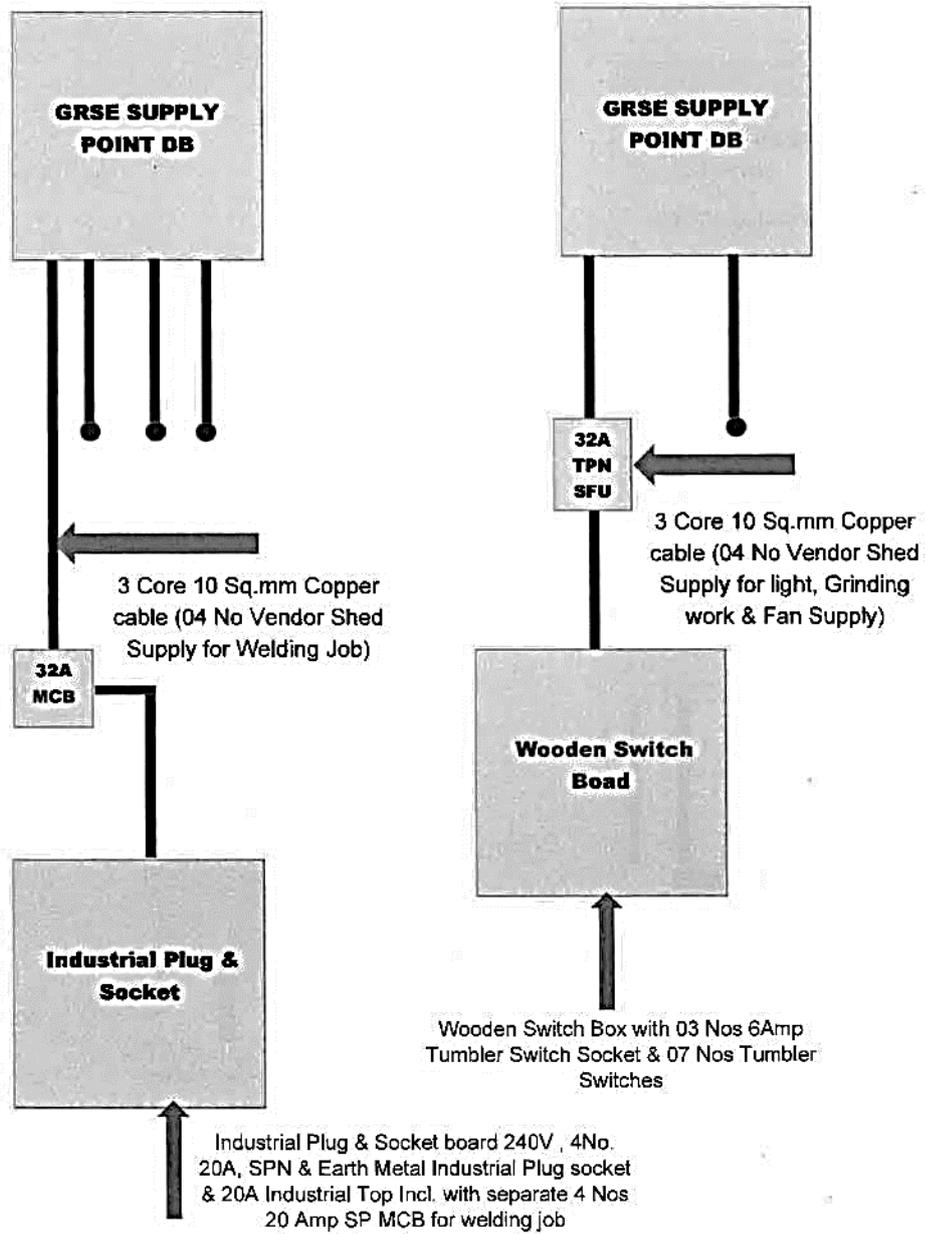


DETAILS "A" (EXPANSION JOINT)



DETAILS "B" (CONTRACTION JOINT)

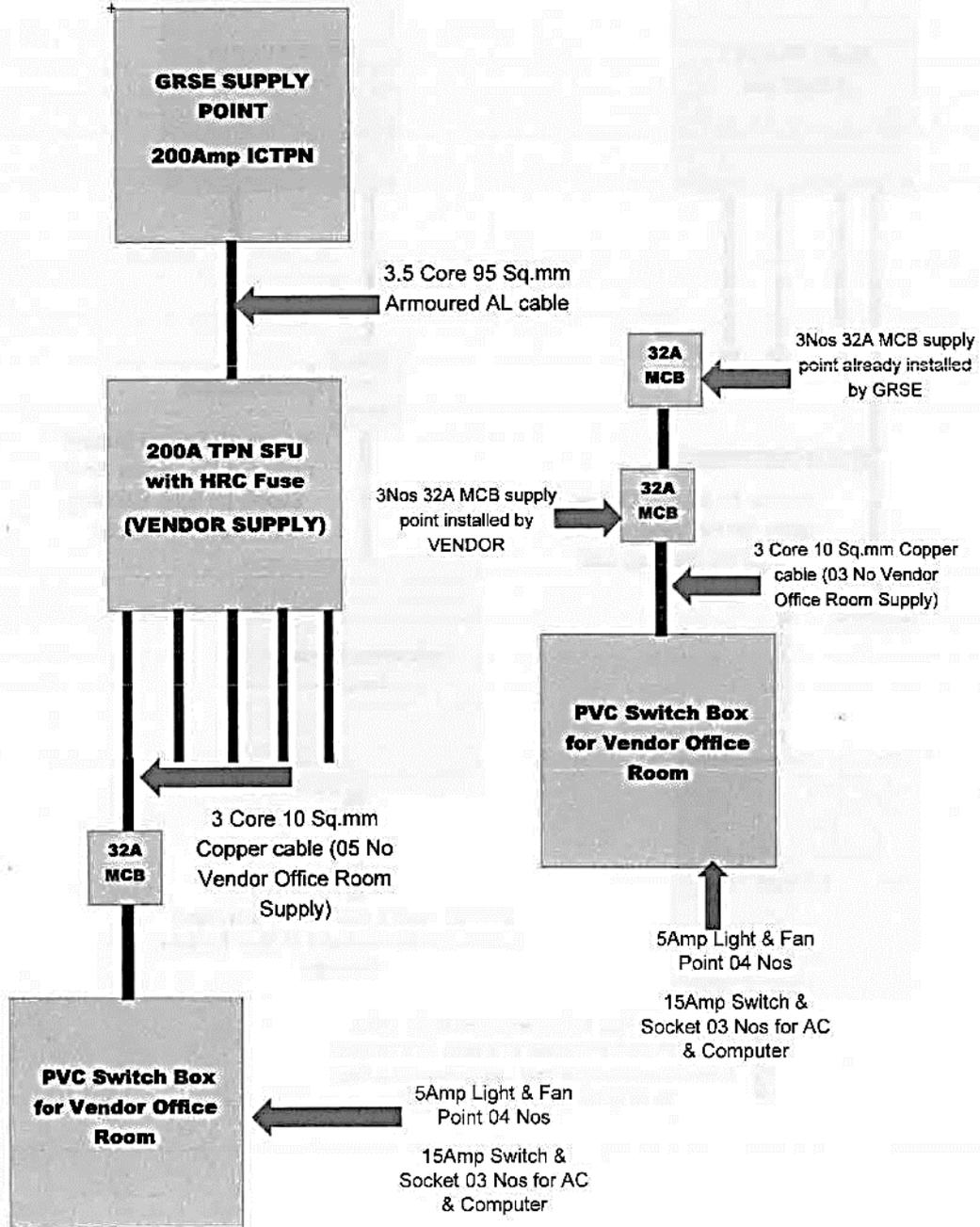
APPENDIX-4
ELECTRICAL MAINTENANCE DEPT. ROAD





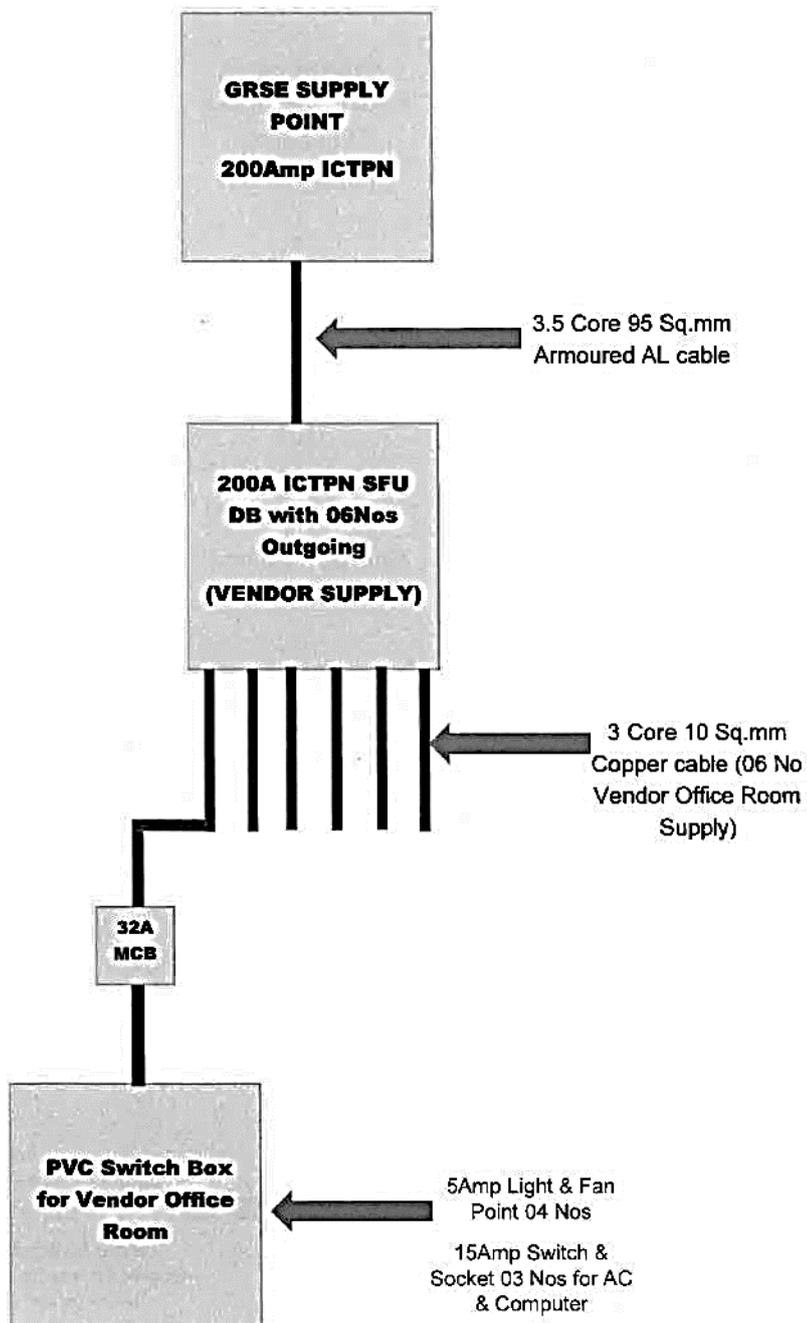
APPENDIX-5

OLD VENDOR SHED ROAD



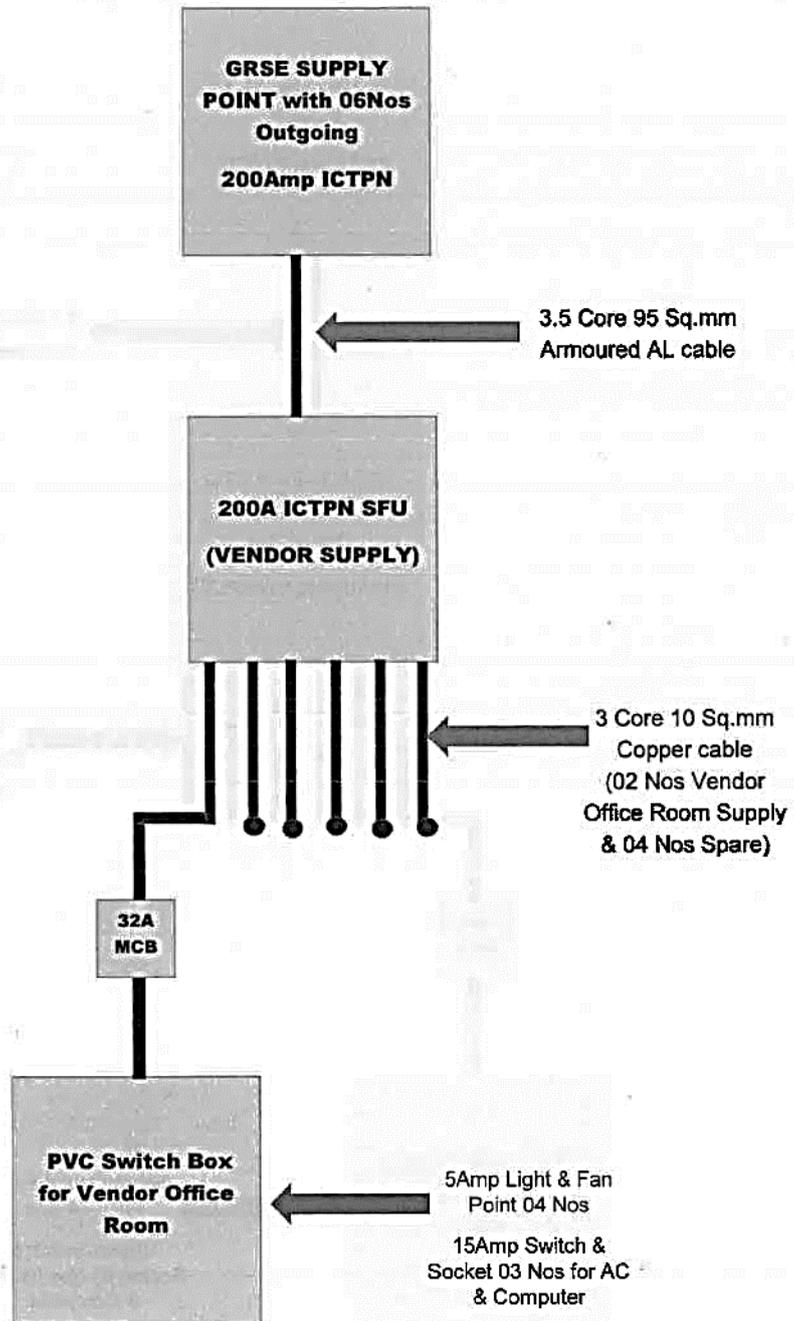


APPENDIX-6
MASJIB GALI OFFICE ROOM ELECTRICAL SUPPLY-1





APPENDIX-7
MASJIB GALI OFFICE ROOM ELECTRICAL SUPPLY-2





Garden Reach Shipbuilders & Engineers Ltd

(Ministry of Defence Govt. of India)

Appendix-8

BOQ FOR CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT ALONG WITH THE CONSTRUCTION OF 4 NOS. OF CONVENTIONAL VENDOR SHED & 8 NOS. DOUBLE STORIED PORTABLE CONTAINER SHED AT GRSE FOJ UNIT, KOLKATA

| SI No | Description of Item | Qty | Unit | Rate (Rs) | Amount (Rs) |
|-------|--|--------|------|-----------|-------------|
| 1 | Design, Drawing & Detailing as mentioned below : a. GA drawing b. All short of Civil drawing and detailing c. All Structural Drawing and detailing (All drawing should be submitted both in hard and soft copies along with PDF & Auto Cad files) | 1.00 | LS | | |
| 2 | Modification of container (2 storied) Work Include:a) Hoisting, placing in proper position, fixing the Container with nut and bolting arrangement b) Making of 1 No. Steel door (1.2 m x 2.3m) with locking arrangement and hasp bolt and 2 No. sliding Aluminium window (1.2 m x 1 m) (with grill and 5 mm thick clear glass) arrangement in each Portable cabin. C) Making slope roof over the top container with eaves gutter and canopy over door & Window including 0.5 mm ZN-AL colour sheeting (Tata Bluescope) d) Primer and painting of the container(Enamel paint) (inside & outside) e) Installation of rain water pipe. f) Laying of scratch proof, flexible & homogeneous P.V.C. Vinyl flooring conforming to IS:3462 - 1982 .2mm thick on each floor of the portable cabin. g) Cloth hook stainless steel hanger 6 pin (2 nos. in each cabin) | 8.00 | LS | | |
| 3 | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specifications Clause 202 for Rural Roads of MORD. Bituminous Courses | 23.00 | Cum | | |
| 4 | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specifications Clause 202 for Rural Roads of MORD. Granular Courses | 59.00 | Cum | | |
| 5 | Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. | 68.00 | Cum | | |
| 6 | 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 | 33.00 | Cum | | |
| 7 | 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. | 65.00 | Cum | | |
| 8 | Labour for lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates etc. complete as directed. | 220.00 | Qntl | | |



| | | | | | |
|----|---|---------|-----|--|--|
| 9 | Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal/Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge. | 165.00 | Cum | | |
| 10 | Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. | 2915.00 | Sqm | | |
| 11 | Earth work in excavation of foundation trenches or drains, in all sorts of soil including removing, spreading or stacking the spoils within a lead of 75 m. as directed. | 305.00 | Cum | | |
| 12 | 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 | 80.00 | Cum | | |
| 13 | Levelling and Compacting original ground (Sub Grade) by power roller of capacity 80Kn to 100 Kn including filling in depression occur during rolling to obtain the desired dry density | 110.00 | Cum | | |
| 14 | Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand | 44.00 | Cum | | |
| 15 | Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. | 350.00 | Sqm | | |
| 16 | Brick work with 1st class bricks in cement mortar (1:4) In superstructure, ground floor | 73.00 | Cum | | |
| 17 | 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. | 47.00 | Cum | | |
| 18 | Supplying, spreading and consolidating an uniform and homogeneous mixture of Stone Dust and Sand (mixed in proportion of 3 : 1 by volume and by any approved method as per direction of Engineer-in- Charge) to the required thickness in layers at 97% Proctor Density (not less than 1.7 gm/cc) with power roller to proper gradient and camber, including watering as necessary, 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 complete as per Specification including all incidental charges of roller, cost of fuel & lubricants. The compaction factor is 0.67. Note: Rolling should also be done before spreading of mixture of stone dust and sand | 23.00 | Cum | | |
| 19 | 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 but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. ii)With approved concrete pump | 91.00 | Cum | | |



| | | | | | |
|----|---|---------|-----|--|--|
| 20 | 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 but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. ii)With approved concrete pump | 527.00 | Cum | | |
| 21 | Hire and labour charges for leak proof steel shuttering in all shape and size | 594.00 | Sqm | | |
| 22 | 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. Tor steel/Mild Steel :- SAIL/ TATA/RINL | 60.00 | MT | | |
| 23 | 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 | 2550.00 | Sqm | | |
| 24 | M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. | 38.00 | MT | | |
| 25 | Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap | 510.00 | Sqm | | |
| 26 | MS (IS-2062) Holding down bolt (duly hot dip galvanised) with 100 x 100 x 6 mm plate washer at bottom, MS Insert Plates and packing the hole with cement concrete or cement grout as directed.20 mm dia bolt,450 mm long | 192.00 | Nos | | |



| | | | | | |
|----|---|---------|------|--|--|
| 27 | 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, EPDM 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 | 50.00 | Sqm | | |
| 28 | 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, With 1:4 cement mortar, 15 mm thick plaster | 750.00 | Sq.m | | |
| 29 | Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc | 500.00 | Sqm | | |
| 30 | Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC | 870.00 | Sqm | | |
| 31 | Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer | 1470.00 | Sqm | | |
| 32 | Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc | 1030.00 | Sqm | | |
| 33 | 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. On steel or other metal surface, With other than hi-gloss of approved quality, Two coats (with any shade except white) | 1030.00 | Sqm | | |
| 34 | Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc. 50 mm. x 50 mm. x 8 g. | 250.00 | Sqm | | |
| 35 | Supplying & laying Double Wall Corrugated (with external annular corrugation and smooth internal walls) High Density Polyethelene Pipes conforming to IS 16098 (Part-II):2013 having Stiffness Class of SN 8 with Ring Stiffness not less than 8.00 KN/Sqm. and Impact Resistance TIR value not more than 10% including necessary jointing materials for nonpressure underground Drainage, Sewerage & Cross drainage application. 300mm internal dia. | 57.00 | M | | |
| 36 | C.I. sluice valve 150 mm dia. with flanged ends drilled to as per I.S. 1358/62 and having all cast iron components as per I.S. 780/71 solid forged bronze inside screw spindle having ultimate tensile strength not less than 4.72 MT per sq. cm. Spindle nut valve and seat faces of hard wear resisting, manufactured from best quality gunmetal conforming to I.S. 780/71, painted black all over with asphalt base paint tested to 21 kg (hydraulic pressure) per sq. cm., valve opening to anticlockwise direction, fitted and fixed complete. | 5.00 | EA | | |



| | | | | | |
|----|---|--------|------|--|--|
| 37 | Filler Joint Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6% bitumen by weight | 925.00 | M | | |
| 38 | Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75mm X 75 mm X 75 mm wooden blocks complete. 470 mm X 280 mm X 340 mm | 3.00 | EA | | |
| 39 | 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, tee, 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. For Exposed Work CPVC Pipes Class-1, SDR-11 (Dia)25mm | 20.00 | M | | |
| 40 | 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, tee, 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. For Exposed Work CPVC Pipes Class-1, SDR-11 (Dia)40mm | 20.00 | M | | |
| 41 | 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. (i) 450 mm X 300 mm size | 2.00 | EA | | |
| 42 | Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. 900 mm long | 3.00 | EA | | |
| 43 | Supplying, fitting and fixing bib cock or stop cock. (d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). | 5.00 | Each | | |



| | | | | | |
|----|---|--------|------|--|--|
| 44 | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). Dia 40mm | 5.00 | Each | | |
| 45 | Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). Dia 25 mm | 5.00 | Each | | |
| 46 | Removing old paint from blistered painted surface of steel or other metal by chipping including scraping and cleaning and exposing the original surface. | 200.00 | Sqm | | |
| 47 | 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. | 100.00 | Sqm | | |
| 48 | Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N | 100.00 | Sqm | | |
| 49 | Supplying, fitting & fixing UPVC pipes A- Type 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 Yam, valamoid/Bitumen/M-Seal etc) complete. A) UPVC Pipes: 110 mm. Dia | 36.00 | M | | |
| 50 | Supplying, fitting & fixing UPVC pipes A- Type 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 Yam, valamoid/Bitumen/M-Seal etc) complete. B)UPVC Fittings:Plain Tee 110mm | 10.00 | EA | | |
| 51 | Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS: 164 on bituminous surface/concrete surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803). (ii) Up to 10 cm in width | 200.00 | Sqm | | |
| 52 | Painting Lines, Dashes, Arrows etc on Roads in Two Coats on Old Work Painting lines, dashes, arrows etc on roads in two coats on old work with ready mixed road marking paint conforming to IS: 164 on bituminous surface/concrete, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803). (ii) Up to 10 cm in width | 100.00 | Sqm | | |
| 53 | Supply, installation, testing & commissioning Distribution Box (outdoor type) having incoming 200A ICTPN switch fuse unit (L&T/ Havells/GE/ Similar brand) and 06nos outgoing (03pole +N) through copper busbar of size 20X10 mm. | 2.00 | Nos | | |



| | | | | | |
|----|---|--------|------|--|--|
| 54 | Supplying and fixing 32 amps rating, 240/415 volts, 10 kA, "C" curve, Single pole and neutral miniature circuit breaker (MCB) suitable for inductive load of poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | 20.00 | Nos | | |
| 55 | Supply, installation PVC switch box with 03nos 5/15A Switch Sockets ,7 Nos switch (type-A) (Havells/Anchor/ Similar brand) | 16.00 | Nos | | |
| 56 | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (Total 16Nos Office Room &4Nos Vendor Shed) | 20.00 | Nos | | |
| 57 | Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required (Each office room 04Nos Ceiling rose, total 16nos office room) | 16.00 | Nos | | |
| 58 | Supplying and fixing 4ft Batten Led Tube light 20W including connection etc as required | 45.00 | Nos | | |
| 59 | Supplying & Fixing Industrial Plug & Socket board with 240 V, 4 nos. 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. with separate 4 nos. 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection. | 4.00 | Nos | | |
| 60 | Wooden switch box with 03nos 6Amp Tumbler Switch Socket and 07nos Switches - (type-B) (Havells/Anchor/ Similar brand) | 4.00 | Nos | | |
| 61 | Providing and fixing 32A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 4.00 | No | | |
| 62 | Providing and fixing 100A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 1.00 | No | | |
| 63 | Providing and fixing 200A capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required | 1.00 | No | | |
| 64 | Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm) 50-Mtr Aprox | 50.00 | Mtrs | | |
| 65 | Supplying and making end termination with brass compression gland and aluminium lugs for 3 X 10 sq. mm (22mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. | 75.00 | Set | | |
| 66 | Supplying and making end termination with brass compression gland and aluminium lugs for 3½ X 95 sq. mm (45mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. | 6.00 | Set | | |
| 67 | Supply, laying & end termination connection of 1 X 3.5 C X 95 sqm 1.1 KV AL XLPE Armoured cable | 200.00 | Mtrs | | |
| 68 | Supply, laying & end termination connection 10-Sq.mm Copper Cable 1.1KV Grade | 600.00 | Mtrs | | |
| 69 | Supply & Installation of outdoor type 200W LED Flood Light, 220V-240V, IP65 | 6.00 | Nos | | |
| 70 | Supply & Installation of 7mtrs Hight Octagonal Light Pole and Connection of 2nos LED Flood Light each pole | 3.00 | Nos | | |



ANNEXURE -2: STANDARD TERMS & CONDITIONS (STAC)

मानक निबंधन और शर्ते (एसटीएसी)

(1) Integrity Pact समग्रताअनुबंध (For the value of Contract more than Rs.2.0 Cr.):

All the participating vendors in this tender are required to enter into agreement by signing an Integrity Pact.

"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".

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.

Signing Authority for Integrity Pact:

(A) Vendor: Proprietor / Director / Authorized representative

(B)GRSE: Head of the ordering department, not below the rank of DGM / AGM

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.

(2) Micro & Small Enterprise (सूक्ष्मऔरछोटेउद्यम) -

i. Purchase preference will be given to eligible Micro and Small Enterprise firms as per MSME Act on submission of valid Udyog Aadhar Memorandum (UAM) or Entrepreneurs Memorandum Part II (EM) or NSIC copy along with their offer to claim the benefit. Tendered Service is to be listed in the UAM or the EM Part II or NSIC submitted else they are disqualified to avail the benefit.

ii. In tender, participating Micro and Small Enterprises (MSE) quoting price within price band of L1+15 per cent shall be allowed to provide a portion of requirement by bringing down their price to L1 price in situation where L1 price is from someone other than Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 20 per cent of total tendered value. In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity). This clause is applicable only when the job is divisible in nature and can be distributed to more than one vendor subject to tender terms.

iii. In case the entitled MSE firm is owned by SC/ST category entrepreneur then the organization will be entitled for 4% out of 20% reserved order value for MSE firms as well as an equal portion out of the balance 16%. In such cases proof of owner belonging to SC/ST category has to be submitted.

iv. Above allocation of order will be done only if the tendered service is allocable.

v. In addition MSE firms will be entitled to avail the following benefits:

a. Tender Documents will be issued free of cost.

b. Earnest Money Deposit will be exempted.

c. In addition, Firms registered with NSIC will also be entitled to exemption for submission of Security Deposit subject to monetary limit stated in the certificate.

(3) Tender Fee (निविदाशुल्क):

i. Amount of declared non-refundable Tender Fee 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 07 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.

ii. MSE registered firms having the tendered service listed in their MSE document will be eligible for exemption from submitting 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 General Document part of E PROCUREMENT. The same is to be confirmed in the PART I concurrence format.

- iii. Exemption of Tender Fee is not applicable for JV / Consortium even if all the parties of the JV / Consortium are eligible for such exemption on individual basis
- iv. Non-submission of Tender Fee or a valid MSE certificate may lead to offer rejection.
- v. GRSE will issue Money Receipt against Tender Fee submitted by way of DD/PO.

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

- i. 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 07 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.
- ii. EMD may also be submitted in the form of Bank Guarantee with six months validity as per enclosed GRSE format of Bank Guarantee and is to be forwarded directly to GM (Finance), GRSE in Bankers' sealed envelope failing which same will not be accepted. Details of B.G. are to be in Techno-Commercial part of offer.
- iii. 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.
- iv. 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
- v. Non-submission of EMD or a valid MSE certificate may lead to offer rejection.
- vi. GRSE will issue Money Receipt against EMD submitted by way of DD/PO.

vii. Refund of Earnest Money Deposits

- a. EMD of unsuccessful bidders will be refunded/ returned within 30 days of finalisation of order on surrendering the original copy of GRSE Money Receipt with an application by bidder addressed to HOD of Ordering Department, GRSE on receipt of intimation from GRSE.
- b. EMD of disqualified bidders in TNC/CNC will be returned within 30 days from the date of receipt of application along with original copy of Money Receipt from the bidder. EMD, if not claimed within 1 year from the date of notification EMD will be forfeited.
- c. EMD of successful bidder will be returned after receipt of security deposit against work order as per contractual terms.

viii. Forfeiture of Earnest Money Deposit (बयाना जमा की जब्ती)

EMD may be forfeited under the following circumstances:

- a. The bidder withdraws the bid after opening of Price Bid during the period of validity of offer.
- b. The bidder does not accept the correction of error in bid price as indicated in Clause 21 hereinafter.
- c. The successful bidder fails within the specifies time limit to:
 - 1. Acknowledge the LOA/Order
 - 2. Furnish the required Security Deposit
 - 3. Non-performance of the contract by the Contractor



4. If any registered vendor with Fixed EMD withdraws its bid prior to finalisation of the order and during the period of bid validity, the Fixed EMD as deposited by the vendor shall be liable to be forfeited.

(5) SECURITY DEPOSIT (INTEREST FREE) प्रतिभूति (ब्याज रहित):

i. 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 site clearance. In case of non-submission of SD as per schedule, penal interest will be charged for delayed period of submission of SD beyond 15 days at the prevailing SBI cash credit rate on the amount of SD to be submitted.

ii. If S.D is submitted in the form of B.G then same is to be forwarded directly to our Gen. Mgr. (Finance) in Banker's sealed envelope failing which same will not be accepted. Details of B. G. should also be confirmed to Ordering Department, GRSE.

iii. 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 which has to be certified by PL/Engineer-in-charge of GRSE 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.

(6) COMPLIANCE OF ESI & PF (ईएसआई और पीएफ का अनुपालन)

If ESI & PF of the engaged laboures are not deposited to respective authorities in due time, GRSE will deduct the same amount from bills of the vendor and will deposit with the authorities. In such cases GRSE has the right to charge 10% interest for delayed compliance of statutory provisions.

(7) GST REGISTRATION (जी एस टी पंजीकरण)

The vendor will have to submit copy of GST registration certificate along with the Technical bid.

(8) GUARANTEE PERIOD (गारंटी अवधि)

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

(9) PRICE (मूल्य):

a) Price bid need to be filled up in html format only through e-portal. No other attachment regarding price will be allowed if so then offer will be treated as cancelled. But 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.

b) L1 bidder will be decided based on quoted total cost / item wise rate / Package wise as mentioned in NIT. GRSE may engage multiple vendors based on production requirement / performance by the vendor. Engagement of multiple vendors against the tender will be as per NIT.

c) As a general rule, Price Negotiation with L1 vendor (s) will not be entered into as far as possible, unless warranted by unreasonable price quoted in the opinion of GRSE.

The price should remain firm & fixed till satisfactory execution of the entire contract as per NIT. GST will be paid extra as per the ruling rate. GST registration certificate for the service being tendered is to be enclosed with the techno-commercial bid. If the certificate is not obtained so far, copy of the application for registration for the service under consideration is to be enclosed. GST registration number is to be quoted in all bills.

(10) JOINT VENTURE OR CONSORTIUM (संघटन):

The bids submitted by a joint-venture or Consortium of two or more firms as partners shall comply with the following requirements:



i) One of the partners responsible for performing a key component of the contract, shall be designated as a leader; this authorization shall be evidenced by submitting with the bid a Power of Attorney signed by legally authorized signatories of all the partners

ii) The leader shall be authorized to incur liabilities, and receive instruction for and on behalf of any and all partners of the joint-venture or consortium, and the entire execution of the contract shall be done with the leader,

iii) All partners of the joint venture or consortium shall be liable jointly and severally for the execution of the project or contract,

iv) A copy of the contract/agreement entered into by the joint venture or consortium partners shall be submitted with the bid,

v) The responsibility of all members of the J/V or Consortium should be clearly indicated and these shall not be varied or modified without the prior approval of the employer, and the joint venture agreement /consortium should be registered.

vi) In order for a joint venture or consortium to qualify, each of its partners or combination of partners must meet the minimum criteria set for the individual bidder. Failure to comply with this requirement will result in rejection of the joint venture or consortium's bid. The figures for each of the partners of a joint venture comprising of two or more persons shall be added together in proportion to their participation in the J/V or consortium, to determine the bidder's compliance with the minimum criteria say, (work to be executed per year not less than Rs 3 crore if such criteria is set in RFP). The lead partner should hold at least 51% of that minimum criteria failure to comply with which the bid shall stand rejected.

vii) The percentage of partnership of the lead partner shall be highest among all the joint ventures partners. The lead partner shall be such a company only, who has purchased the bid document,

viii) Bid security/EMD can be submitted either by the lead partner or proportionately by the joint venture /Consortium partners. However, performance security BG shall have to be submitted by all the partners of joint venture/consortium on a basis proportionate to their participation,

xi) The contract agreement shall be signed jointly by each joint venture/consortium partners.

(11) SUB-CONTRACTING OF SUB-CONTRACTED JOB (उप संविदा कार्य का उप संविदा): -

When an order is issued to a Vendor/ Contractor for execution of a particular job, the Contractor shall not sub-contract the job / a part of the job without approval from the employer and without intimation of the name and credentials of the said sub-contractor.

(12) EXCESS/WASTE/REJECTED MATERIALS (अतिरिक्त/बेकार/ अस्वीकृत सामग्री):-

Removal of excess/waste/rejected materials etc. generated during execution of work should be arranged at your cost immediately after completion of work each day and for non-removal of same by you, the expenditure incurred by GRSE in removing these materials will be to your account.

(13) FIRE & SAFETY PRECAUTIONS अग्नि एवं संरक्षा सावधानियाँ

The Vendor/Contractor shall abide by the Safety regulations of the GRSE as detailed in ANNEXURE –11. You should take all safety precautions and provide adequate supervision & control for your workmen in order to carry out the job safely. In case of any violation of safety precaution and none using of safety equipment, Contractor shall be liable for a penalty which is detailed in ANNEXURE –11. 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.

(14) ENVIRONMENT MANAGEMENT AND OCCUPATIONAL HEALTH & SAFETY(पर्यावरण प्रबंधन



एवं व्यावसायिकस्वास्थ्य सुरक्षा

The vendor shall ensure compliance of Environment Management System (ISO 14001:2015), Occupational Health & Safety (OHSAS 45001:2018) & Energy Management System (ISO 50001:2018) while carrying out their activity in the yard.

(15) ENERGY CONSERVATION (ऊर्जा संरक्षण): -

GRSE will provide power supply at free of cost for execution of job. You 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 50001:2018.

(16) INSURANCE (बीमा)

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 –

- a) Strike, Riot (SRCC), Fire, Flood, Earthquake and other natural calamities.
- b) Burglary and theft in contractor's premises.
- c) Material in transit.
- d) Bad workmanship and wastage / spoilage of material thereby.
- e) Blockage of materials in the contractor's premises (due to prolonged Lockout or any other Force Majeure condition) which affects GRSE's production.
- f) Infidelity of contractors.

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.

(17) SITE-INCHARGE/ LOG BOOK/ HINDRANCE & OTHER RECORDS (कार्यस्थल प्रभारी/कार्य-पंजी एवं अन्य लिखित प्रमाण):

- a) One fully responsible and Qualified Site-in-charge has to be posted at the site during progress of work.
- b) Attendance Register, Wage Register etc are to be maintained daily for the particular job on board and to be shown as and when required.
- c) Details of technical personnel deployed for the job.
- d) Monthly progress report.
- e) Log book for re-work/ modification.
- f) Details of materials brought by vendor along with copies of challan.
- g) 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 liquidity damages.

(18) PERSONAL PROTECTIVE EQUIPMENT (PPE) POLICY FOR THE CONTRACTORS' WORKMEN

i. SCOPE

This policy is applicable to all contractors, their workmen, supervisors, engineers, site In-charges, managers and other personnel engaged by them in various capacities in all units of GRSE. The area of applicability of PPE w.r.t. personal protection is tabulated below:

| Sl. No. | Description | Name of PPE | Applicable area of Protection | Purpose | 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. | To protect the head from injury due to falling or moving objects, impact on stationary objects and from impact due to fall | 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 | To protect the feet from risks ranging from crush and impact injuries to | (a) IS 15298 / EN ISO 20345 |



| Sl. No. | Description | Name of PPE | Applicable area of Protection | Purpose | Standard |
|---------|-----------------|----------------|---|--|--|
| | | | <p>there is possibility of foot injury.</p> <p>(b) Mandatorily wear closed footwear while entering the shipyard.</p> <p>(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.</p> | contact with hot surface, slips, cuts, penetration wounds, electric shock etc. | <p>(b) Non ISI</p> <p>(c) IS: 12254</p> |
| (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. | To protect eyes from damage or penetration due to flying particles, ultra violet radiation impact, burns, splashes etc. | ANSI Z87.1 or EN166. |
| (iv) | Ear Protection | Ear Plug | In high noise area (>90 db). | Use of hearing protection appropriate for reducing the sound levels of noisy equipment and processes to acceptable levels. | IS: 9167/ EN 352 |
| (v) | Hand Protection | Hand Gloves | <p>(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.</p> <p>(b) Electrical Rubber Hand Gloves – While executing any electrical maintenance jobs.</p> <p>(c) Acid / Alkali Proof Rubber Hand gloves –</p> | To protect the hand from injuries such as cuts, abrasions, burns, ingress of chemicals & electric shock. | <p>(a) IS:6994/EN 407 for heat applications (gas cutting / welding) / EN 420 for general requirement / EN 388 for mechanical hazard</p> <p>(b) IS 4770</p> |



| Sl. No. | Description | Name of PPE | Applicable area of Protection | Purpose | Standard |
|---------|-------------------------------|---|---|---|---|
| | | | During handling of acid, skin irritants chemical & solvent etc. | | (c) EN 374 |
| (vi) | Respiratory Protection | Welding Fume Respirator, Paint Fume Respirator or, Dust mask | <p>Dust Respirator – To be worn during grinding job, floor cleaning, dusting or any other activity where there is possibility of producing dust.</p> <p>(b) Welding Fume Respirator – To be worn during welding, gas cutting, brazing job etc.</p> <p>(c) Chemical Respirator – To be worn during painting, mixing of paint with solvents & FRP activities handling of acid, skin irritants, chemical & solvents etc.</p> | To protect against respiratory hazards. | <p>(a) IS: 9473 / EN: 149</p> <p>(b) IS: 9473 / EN: 149</p> <p>(c) IS: 15323 (Selection to be made according to the particular chemical hazard)</p> |
| (vii) | Fall Protection | Double lanyard Safety Belt & harness, automatic fall arrestor | <p>To be worn while working in height:</p> <p>(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.</p> <p>(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 inclined surface on the roof top, horizontal movement at height.</p> | To protect the personnel from falling while working at height such as on scaffolding structure / platform, ship's mast, fragile roof, inclined surface on the roof top etc. | <p>(a) IS: 3521</p> <p>(b) EN 361</p> |
| (viii) | Electric Arc Flash Protection | Electric Arc rated flash suit jacket, | To be worn during operation & maintenance of electrical installations | To protect the personnel from accidental exposure to high | As per guideline of NFPA-70E |



| Sl. No. | Description | Name of PPE | Applicable area of Protection | Purpose | Standard |
|--|--------------------------|---|--|---|--|
| | | pant, hood and gloves | inside the HT Switch Gear Rooms. | temperature of electric arc flash during operation & maintenance of electrical installations inside the HT Switch Gear Rooms. | |
| (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. | To protect the Fire Fighting personnel during Combating Fire in a Hazardous Environment / High Level Respiratory Protection | 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 | To protect the face from flying particle | 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. | To protect the whole body of a contractors' workman from dirt, dust etc. | IS: 177- 1989 (Reaffirmed in 2003), Variety 3 standard |
| <p>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</p> | | | | | |

ii. **Role of Contractors**



- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) 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.

iii. **Role of contractors' workmen –**

- a) Adhere to all necessary safety-guidelines at their work-sites and use appropriate PPEs.
- b) 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.
- c) To communicate proper use of PPEs to their co-workers in the event there is any non-compliance.

iv. **PENAL PROVISIONS FOR NON-COMPLIANCE**

| S/N | Type of violation | Penalty (Rupees) | | | |
|------|--------------------------------------|--------------------------|--------------------------|--------------------------|---|
| | | 1 st Instance | 2 nd Instance | 3 rd Instance | 4 th Instance |
| (i) | Not having / not using PPEs properly | 10000/- | 15000/- | 20000/- | Discontinued / debarred from participating in future tender upto 06 months / 02 consecutive tenders |
| (ii) | Use of defective / non IS PPEs | 5000/- | 10000/- | 15000/- | |

v. **DISCONTINUATION OF CONTRACT**

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.

(19) WORKING HOURS (कार्य करने की अवधि):

The Contractor's normal working hours shall be in between 8AM-5PM. Work may also be required to be carried out in day or night shift 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 at no extra cost.

(20) INDIVIDUALITY OF THE CONTRACT (ढेका की वैयक्तिकता):

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.



(21) SECURITY OF INFORMATION (सूचनाओं की गोपनीयता):-

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 Vendor's confirmation w.r.t. Limited tender

GRSE on completion of work.

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.

(22) REGISTRATION OF APPROVED VENDOR (स्वीकृत बिक्रेता का पंजीकरण):

The contractor is to confirm whether they are registered with GRSE as approved Vendor and Indicate Supplier's Code (5 digits) and product Code group. If not an approved vendor, provisional vendor registration code is to be taken from GRSE Vendor Registration Cell prior to placement of order.

(23) CONTRACT WORKMAN WAGE PAYMENT (ठेका श्रमिकों की मजदूरी): -

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.

(24) VENDOR'S CONFIRMATION W.R.T. LIMITED TENDER ENQUIRY

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.

(25) INSPECTION (निरीक्षण):-

- (i) Quality assurance authority: As per NIT/SOTR.
- (ii) 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.
- (iii) 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.
- (iv) 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.

(26) CORRECTION OF ERRORS (त्रुटी सुधार):

Bids determined to be responsive will be checked by the Employer for any arithmetic error. Errors will be corrected by Employer as follows:

(i) For manual tendering: -

- a) Where there is a discrepancy between the rates in figures and in words, the rates in words will govern.
- b) 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.



(ii) **For tendering through E-PROCUREMENT:** -

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.

(27) FORCE MAJEURE (फोर्स मेज़योर):

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.

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.

(28) TERMINATION OF CONTRACT (अनुबंध की समाप्ती):

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.

(29) DAMAGE OF MATERIALS / EQUIPMENTS (समान/उपकरण की छति):

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 man. The cost of damage will be suitably recovered from vendor's bills.

(30) OFFICE & STORAGE SPACE (कार्यालय & भंडारण):

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.

(31) ARBITRATION (मध्यस्थता): -

- i) 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.
- ii) 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.
- iii) 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.
- iv) The Award of the Sole Arbitrator shall be final, conclusive and binding upon the Parties.
- v) 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.



- vi) 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 than 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.
- vii) 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.
- viii) The language of the proceeding shall be in English."

(32) JURISDICTION (न्यायअधिकार क्षेत्र):

Litigation, if any, pertaining to this contract will come under the jurisdiction of High Court at Kolkata.

- i) 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.
 - ii) 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.
 - iii) GSRE 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.
 - iv) All existing applicable Laws such as ESI, PF, SERVICE, CONTRACT LABOUR, CHILD LABOUR etc. as applicable, shall be binding for the contract.
1. For any discrepancy between NIT (Notice Inviting Tender) and STAC, **NIT statement may be taken as final.**
 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 <i>(Supporting soft or, hard copy to be submitted)</i> | Start & Completion date as per Order | Actual start date | Actual Completion Date | Order placed by | Value of Purchase order & length of Plumbing work completed | Work completion certificate Ref. No. & date <i>(Supporting soft or, hard copy to be submitted)</i> |
|--------|---------------------------------------|--|--------------------------------------|-------------------|------------------------|-----------------|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

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. | Financial Years | Turn Over (Rs.) |
|---------|-----------------|-----------------|
| 1 | 2021-22 | |
| 2 | 2020-21 | |
| 3 | 2019-20 | |

B. Detail of Solvency certificate:

| Reference no. of certificate | Name of Bank, Branch | Amount of Solvency (Rs.) |
|------------------------------|----------------------|--------------------------|
| | | |

(Signature of Authorized Representative)

Date:

Name:

Designation:

Note: Financial Statements to be attached



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

(To be submitted in Letterhead of bidder)

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>(Supporting soft or, hard copy to be submitted)</i> | Start & Completion date as per Order | Actual start date | Order placed by | Scope of work for existing contract (To quantify) | Deployment of operatives for the existing 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-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 & CHECKLIST FOR BID SUBMISSION

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

| | |
|--|--|
| Bid Number | |
| Job Title: | |
| Bidder's Name | |
| Proprietorship / Partnership / JV / Consortium | |
| Bidder's Address | |
| Phone | |
| E-mail | |
| Vendor Regn No. with GRSE (if applicable) | |
| MSME / MSE (Details if applicable) | |
| NSIC (Registration Details & Certificate Number, if applicable) | |
| GST Registration | |
| PAN No. | |
| GEM UNIQUE SELLER ID | |
| TreDS Regn No. | |
| PF Details | |
| ESI Details | |
| ROC/ Trade Licence | |
| Joint Venture/ Consortium agreement (if applicable) | |
| EMD (Details of Instrument, if applicable) | |
| ACCEPTANCE MATRIX FOR NIT [indicate SUBMITTED (WITHOUT DEVIATION) / SUBMITTED (WITH DEVIATION) / NOT SUBMITTED] | |
| ACCEPTANCE MATRIX FOR STAC [indicate SUBMITTED (WITHOUT DEVIATION), SUBMITTED (WITH DEVIATION), NOT SUBMITTED] | |
| ACCEPTANCE MATRIX FOR SOTR [indicate SUBMITTED (WITHOUT DEVIATION), SUBMITTED (WITH DEVIATION), NOT SUBMITTED] | |
| FORMAT FOR TECHNICAL ELIGIBILITY [indicate SUBMITTED / NOT SUBMITTED] | |
| DISCLOSURE BY CONTRACTOR OF EXISTING WORK [indicate SUBMITTED / NOT SUBMITTED] | |
| FORMAT FOR FINANCIAL ELIGIBILITY CRITERIA [indicate SUBMITTED / NOT SUBMITTED] | |
| AVERAGE ANNUAL TURNOVER FOR LAST 3 FINANCIAL YEARS ENDING ON 31-Mar-2022 | |
| TURNOVER FOR FY 2022-23 | |
| TURNOVER FOR FY 2021-22 | |
| TURNOVER FOR FY 2020-21 | |
| Submission of DOCUMENTS IN SUPPORT OF FINANCIAL ELIGIBILITY CRITERIA [indicate SUBMITTED / NOT SUBMITTED] | |
| SELF-CERTIFICATION FOR DECLARATION REGARDING BLACKLISTING/ TENDER HOLIDAY [indicate SUBMITTED / NOT SUBMITTED and if put on Tender Holiday / Blacklisted] | |
| NON-DISCLOSURE AGREEMENT (in non-judicial stamp paper of Rs 100/-) [indicate SUBMITTED / NOT SUBMITTED and reference No. if any] | |
| INTIGRITY PACT (in non-judicial stamp paper of Rs 100/-) [indicate SUBMITTED / NOT SUBMITTED and reference No. if any] | |

(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)
 (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



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-12: NON-DISCLOSURE AGREEMENT
(to be executed in Non-Judicial Stamp Paper of Rs.100/-)

This Non-Disclosure Agreement executed thisDay of2024.

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 with construction of Anti-Submarine Warfare Shallow Water Craft (ASW SWC) 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**

FOR M/s _____,

Signature:

Signature:

Name:

Name:

Address:

Address:

WITNESS 1

WITNESS 2

Signature:

Signature:

Name:

Name:

Address:

Address :



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

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



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



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

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



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



RESPONSIBILITIES OF CONTRACTORS OVER AND ABOVE THE STATUTORY REQUIREMENTS

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