



**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**

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**Web siteवेब: [www.grse.in](http://www.grse.in), E-Mailई मेल: [dey.ashimkumar@grse.co.in](mailto:dey.ashimkumar@grse.co.in)**

**CIN सी आई एन: L35111WB1934GOI007891**

**NOTICE INVITING TENDER (NIT)**

**निविदा आमंत्रण सूचना**

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

NIT No निविदा संख्या:	<b>SCC/AKD/OT/FLUSHING/013/ET-1983.</b>	Dated: 14/06/2023
Job Title कार्य का नाम:	<b>“SERVICES FOR ONBOARD FLUSHING ACTIVITY OF FO, LO &amp; WATERJET HYDRAULIC SYSTEM PIPES FOR ASW SWC YD 3035”</b>	
Tender issuing Dept. बिभाग द्वारा जारी:	<b>Contract Cell (संविदा बिभाग)</b>	
Location of Work	<b>GRSE Main Unit</b>	

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

<b>SCHEDULE सारणी</b>		
Bid submission Starting Date निविदा जमा करने की प्रारंभिक तिथि	<b>28/06/2023</b>	<b>10:00 hrs.</b>
Tender Due Date निविदा जमा की अंतिम तिथि	<b>05/07/2023</b>	<b>12:00 hrs.</b>
Tender Opening Date (Part I) निविदा खुलने की तिथि (तकनीकी- वाणिज्यिकबोली भाग-I)	<b>07/07/2023</b>	<b>14:00 hrs.</b>
Offer Validity Period minimum ऑफर की नियुन्तम वैधता अवधी	<b>90 days</b> from date of opening of Tender (Part – I)	

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

आवश्यकता:

FEES / DEPOSITS	
Tender Fee (refer clause 03 of STAC) निविदा प्रपत्र मुख्य (स्टैक के परिच्छेद 03 मे उदधृत)	INR 500/-
Earnest Money Deposit (EMD) (refer clause 04 of STAC) बयाना राशि जमा (स्टैक के परिच्छेद 04 मे उदधृत)	INR 48,000/-
Security Deposit (SD) प्रतिभूति	5 % of individual Work Order Value (inclusive of GST)
Liquidated Damages परिनिर्धारित नुकसान	0.5% per week, Max 5% of unexecuted job
Billing Frequency बिल करने की अवधी	On Completion of the Job
Evaluation of L1 एल1 का मूल्यांकन	Package Wise

**Note: a)** Bidders are required to submit EMD amount as Bid Security against this tender. In case of withdrawal of the bid/ fail or refuse to execute the contract / fail or refuse to furnish the security deposit, the EMD shall liable to be forfeited.

**b)** MSE/NSIC registered firms having the tendered service listed in their MSE document will be eligible for exemption from submitting the EMD. MSE Registered Firms has to be submit Bid Security Declaration In lieu of Earnest Money Deposit as per format at **Annexure-4**. Non-submission of EMD /Bid Security Declaration and valid MSE certificate may lead to offer rejection

## ARTICLE 3 अनुच्छेद-3: ANNEXURES ENCLOSED FORMING PART OF THIS e-TENDER ई-

निविदा अंतर्गत संलगित परिच्छेद:

Annexure 1 संलग्नक-1	Statement of Technical Requirement (SOTR) (attached with NIT)
Annexure 2 संलग्नक-2	GRSE Standard Terms and Conditions (STAC) (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 3 संलग्नक-3	Format for Technical Eligibility Criteria (attached with NIT)
Annexure 4 संलग्नक-4	Format for Bid Security Declaration(attached with NIT)
Annexure 5 संलग्नक-5	Format for Self-Certification for not having blacklisted /not received any tender holiday
Annexure 6 संलग्नक-6	Fire & Safety Guidelines (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 7 संलग्नक-7	Special condition of contract (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 8 संलग्नक-8	Contractors Responsibility (please refer

	<a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 9 संलग्नक-9	General Requirement (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 10 संलग्नक-10	Check List for Bill Submission ( <b>attached with NIT</b> )
Annexure 11 संलग्नक-11	PF, ESI declaration form (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 12 संलग्नक-12	Format for - Bank Guarantee Format for SD (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 13 संलग्नक-13	Format for - Bank Guarantee Format for PBG (please refer <a href="http://www.grse.in">www.grse.in</a> →Tender→Enclosures Related to tenders of Sub-Contracting Activities)
Annexure 14 संलग्नक-14	Format for - Bank Guarantee for EMD (please refer <a href="http://www.grse.in">www.grse.in</a> )
Annexure 15 संलग्नक-15	Check List of Statutory Responsibility of Contractor within GRSE ( <b>attached with NIT</b> )

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

Self-Attested documents are to be scanned and uploaded with Part I of e-bid ई-बिड के भाग-1 के साथ स्कैन एवं अपलोड हेतु स्वअभिप्रामाणित दस्तावेज		
SL	DESCRIPTION	
1	DD/BG or MSE/NSIC certificate & Bid Security Declaration towards exemption of EMD	Yes
2	Documents meeting the Technical Eligibility Criteria as per format at <b>Annexure 3</b>	Yes
3	Bid Security Declaration as per format at <b>Annexure 4</b>	Yes
4	Self-certification for not having blacklisted /not received any tender holiday as per format at <b>Annexure 5</b>	Yes
5	PAN /TAN, GST, Labour License Certificate, Registration Certificate of the Company with ROC	Yes
6	Partnership Deed / Memorandum and the Article of Association of the firm confirming partners and lead partner.	Yes
7	Copies of registration with PF, ESI authorities/ last challans etc.	Yes

- a. In case of non-submission of documents as mentioned above, the bidder is liable to be considered as disqualified.
- b. The Bidders has to submit ink signed hard copy of all above documents within 03 days from opening of Part I bid.
- c. Registered Vendors with GRSE need not upload documents at Sl. 5 above, if valid documents already submitted / available with GRSE Vendor Registration Cell.

- d. Bidders have to indicate Unique GeM Seller ID in COMMERCIAL MATRIX or prior to opening of price bids, failing which price bid of the bidder will not to be opened for further processing.

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

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

Note: Above mentioned original Negotiable Instruments as stipulated, to reach to **GM (CC & VD)**, Contract Cell, Commercial Department, New Building complex, 1<sup>st</sup> Floor, GRSE Main Unit, 43/46, Garden Reach Road, Kolkata-700 024 within stipulated period as indicated above in a sealed envelope with tender number and job duly superscripting on it.

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

**(A) Tenure of Contract संविदा कार्यकाल-** The contract will be established for a period of **01 (One) Year** from the date of commencement or till delivery of Yd 3035 whichever is earlier. The contract period may be extended for a further period of maximum 01 year at the same rate, terms & conditions as per requirement of GRSE production schedule. Similarly, the Contract period may be reduced as per GRSE discretion.

**(B) Mobilisation Period लामबंदी अवधी- 07** days from date of placement of LOA/Purchase Order/intimation from PL-3035/intimation from Pipe Shop (Main Unit).

**(C) Job Starting Date कार्य आरम्भ तिथी -** Job is to be started immediately after mobilization subject to availability of site clearance, materials and drawings.

**(D) Job Completion Schedule कार्य समाप्ती तिथी -** The Job Completion Schedule is given below:

SI No.	Description of the Job	SOTR Ref. No.	Duration
1.	Onboard Flushing Activity of FO System Pipes	MW/ASW-SWC/3035/003 REV 01 at <b>Annexure-1A</b>	02 Months
2.	Onboard Flushing Activity of LO System Pipes	MW/ASW-SWC/3035/006 REV 01 at <b>Annexure-1B</b>	02 Months
3	Onboard Flushing Activity of Water Jet Hydraulic & Thrust Block Lubrication System Pipes	MW/ASW-SWC/3035/002 REV 01 at <b>Annexure-1C</b>	01 Month

## **ARTICLE 7 अनुच्छेद-7: JOB EXECUTION कार्य निष्पादन -**

Job is to be carried out strictly as per SOTR Nos: MW/ASW-SWC/3035/003 REV 01 (**Annexure-1A**), MW/ASW-SWC/3035/006 REV 01 (**Annexure-1B**), and MW/ASW-SWC/3035/002 REV 01 (**Annexure-1C**) Drawings, GRSE requirement and in case of doubt, instructions of the Engineer-in-charge / PL OR their nominated representative are to be followed. **The job may be required to be carried out for other ASW SWC Ships.**

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

## **ARTICLE 8 अनुच्छेद-8: GUARANTEE & WARRANTY गारंटी एवं वारंटी – Not Applicable**

## **ARTICLE 9 अनुच्छेद-9: PRICE मूल्य -**

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

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

## **ARTICLE 11 अनुच्छेद-11: UNREASONABLE LOW QUOTES अतर्कसंगत भाव -**

- i) In case the price of L-1 Bidder is found to quote unreasonably low and/or express desires to withdraw from the tender then such bid will be cancelled and EMD will be forfeited and punitive action will be taken in line with the provision as per GRSE Vendor Policy.
- ii) However, in case the L1 Bidder agrees to take-up the job with such unreasonable low quote, lower by 30% or more than estimate and also if the difference in price between L1 & L2 is 30% or more, then the quoted price to be analysed w.r.t tender requirement and if the L1 bidder fails to justify their quoted rate, the obtained L1 quote will be rejected and punitive action will be taken in line with the provision as per GRSE Vendor Policy.
- iii) If the justification is acceptable to GRSE, then the bidder has to submit Bank Guarantee of 10% of the total Contract value (inclusive of GST) in addition to the Security Deposit (SD) and Performance Bank Guarantee (PBG) for execution of the job till satisfactory completion of entire contract. There shall be no exemption / relaxation for the Guarantee against unreasonable quote. In case of breach of contract GRSE shall reserve the right to invoke the BG and may impose tender holiday for a period as per GRSE Vendor policy.

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

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

**ARTICLE 13 अनुच्छेद-13: CONDITIONAL OFFER सशर्त प्रस्ताव** - Conditional offers w.r.t. this tender will not be accepted.

**ARTICLE 14 अनुच्छेद-14: DETERMINATION OF L1 एल-1 का चयन** -  
L1 bidder will be decided **Package Wise**.

**ARTICLE 15 अनुच्छेद-15: BOQ बी ओ क्यू** -

BOQ as a part of the SOTRs given in the tender is tentative and it may vary according to actual requirement of job during the period of the contract. The selected Bidder has to execute the required quantity at same Rate, Terms & Conditions. The contractors will be loaded according to GRSE project requirement. The detailed BOQ is given below:

SI No.	Item Description	Quantity	Unit of Measure
<b>Package-1</b>			
1	Flushing of Fuel oil system using FO transfer Pump	01	LS
2	Flushing of Fuel oil system using FO Centrifuge	01	LS
3	Flushing of Over flow lines	01	LS
4	Flushing from RUFO tanks to individual equipment's (ME, DG & EDG)	01	LS
<b>Package-2</b>			
1	Flushing of Lub. oil system using LO transfer Pump to tanks	01	LS
2	Flushing of Lub. oil system using LO Centrifuge to tanks	01	LS
3	Flushing of Lub. oil Supply, over flow & Drain lines to Engine rooms	01	LS
<b>Package-3</b>			
1	Flushing of WJ Hydraulic System (Port, Stbd. & Centre)	03	LS
2	Flushing of WJ Thrust Bearing Lub. oil System (Port, Stbd. & Centre)	03	LS

**N.B: (a) LS: Lum Sum**

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

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

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

- 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.

**ARTICLE 18 अनुच्छेद-18: AWARDING JOBS TO MULTIPLE BIDDER बहुल बिडर के लिए ठेका कार्य**  
Individual work order will be issued **Package Wise**.

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

a. **Technical Eligibility Criteria तकनीकी मापदंड -**

**As per SOTR Nos MW/ASW-SWC/3035/003 REV 01(Annexure-1A), MW/ASW-SWC/3035/006 REV 01(Annexure-1B), and MW/ASW-SWC/3035/002 REV 01(Annexure-1C)**

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

b. **Financial Eligibility Criteria वित्तीय मापदंड -**

The bidder should give self-certification (as per **Annexure-5**) that they have neither been Blacklisted nor, have received any tender holiday from any PSUs'/DPSUs'/Central & State Govt. Organizations PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations during last 03 (three) years ending on **31<sup>st</sup> May 2023**. The bidder has to submit self-certification for the same along with the techno-commercial offer. GRSE reserves the right to independently verify the same. In case violation of declaration is detected at any stage of tender process and during currency of contract, the order will be terminated.

**Note:**

- a) If any bidder has been black listed by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations, then the bidder is not eligible to participate in this tender. If any discrepancy is detected at any stage of the tender, then the offer submitted by the bidder / contract awarded to the bidder will be cancelled and EMD/SD shall be forfeited and appropriate action will be taken in accordance with the vendor policy of GRSE.
- b) If any bidder has been 'Put on Tender Holiday' by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations, then this fact must be clearly stated and it may not necessarily be a cause for disqualifying them.
- c) In case of non-submission of the self-certification document as per format at **Annexure-5**, the bidder will be treated as non-responsive and their offer will be rejected.

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

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

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

1. Before submitting a bid, bidders are expected to examine the Bid Documents carefully, if they desire, may visit the work front, fully inform themselves of existing conditions and limitations including all items described in the Bid Documents. NO consideration will be granted for any alleged misunderstanding regarding:
  - (i) The materials (if any) which are to be furnished by vendor for the work.
  - (ii) The work which is to be performed by the vendor.
  - (iii) Actual considerations made by bidder to complete all work.
  - (iv) To comply with conditions specified in the Bid Document.
2. Any qualified deficiency, errors, discrepancies, omissions, ambiguities or conflicts in the Bid Documents, or if there be any doubts as to the meaning of a provision or requirement, the same shall immediately brought to notice of GRSE Tendering Dept. in writing, not less than 07 days prior to bid closing date.
3. It is understood that in receiving this bid, GRSE assumes no obligation to enter into a contract for the WORK covered by this bid request. GRSE reserves the right to reject any or, all unqualified proposals or waive irregularities therein. GRSE reserves the right to evaluate each and every proposal and accept the whole or any part of the tender and the Tenderer shall be bound to perform the same at the rates quoted.

GRSE also reserves the right to reject any or, all bids and accept the bid, which in its opinion, appears to be most advantageous to GRSE. Receipt and review of this Bid Request constitutes an agreement of confidentiality between GRSE and each of the contracting Firms preparing its Bid. GRSE reserves the right to change the form of this request to Bids, or make clarifications thereto, within a reasonable time before date of submission of Bids.

4. General Contractors assumes all safety related responsibility for the site and will furnish and maintain its own safety program for itself and its subcontractors. Contractor are bound to comply with all applicable Environmental, Health & Safety rules, regulations, policies, procedures and guidelines when performing work in the facility or site.
5. Bidders objecting on any grounds to any bid specification or legal requirements



imposed by these bidding documents shall provide written notice to GRSE within 10 calendar day from the day bid document was made available to public. Failure of a bidder to object in the manner set forth in this paragraph shall constitute and irrevocable waiver of any such objection.

6. Job is to be carried out as per SOTR and instruction of the Engineer in-charge.
7. Any Drawings or technical information attached / provided with this NIT is the Intellectual Property of the Company and will be governed by the specific Acts applicable thereto.
8. Post submission of Tender, such drawings and technical information are to be physically returned. Also, all soft copies are to be destroyed and a self-certification to be submitted during CNC, failing which the processing of bid will not be taken further.
9. Contractors are responsible to clean up the area of work w.r.t. all sort of debris generated on daily basis. If they fail to do so GRSE reserves the right to perform the cleaning activity and charge the contractor with penalty of up to 25%. As a part of National Mission of *Swachh Bharat*, GRSE has adopted *Swachh GRSE* and maintaining cleanliness of work area is an essential pre-requisite.
10. Bidder has to declare in what capacity he is participating in the tender viz. a PSU, Limited Co, Pvt. Ltd. Co., Sole Proprietorship Organization, Partnership firm, Joint Venture, etc. Supporting documents (scanned copy) confirming such status to be scanned and uploaded as attachment to Part I bid.
11. A Bidder is allowed to submit only one Bid under any capacity / status.
12. Difficulty in submitting the bid:
  - a. Any query/difficulty in understanding of SOTR or other technical Terms may be got clarified from **Mr. Bhushan Pal, Manager (PP & C), Mobile No. 76040 63202, e-mail: [Pal.Bhushan@grse.co.in](mailto:Pal.Bhushan@grse.co.in)**
  - b. Any query/difficulty in understanding of Commercial Terms may be got clarified from and **Mr. Ashim Kumar Dey, Manager (Contract)/ Main Unit, Mobile No. 75960 23717, e-mail: [Dey.Ashimkumar@grse.co.in](mailto:Dey.Ashimkumar@grse.co.in)** prior to submission of offer.
  - 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](mailto:Palit.Saraswata@grse.co.in)** / GRSE Service Provider may be contacted [Land line no: 033 24893902]
13. **E-mail Address for communication** संचार हेतू ई. मेल पता: Vendor to provide e-mail address to enable faster communication.

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

- a) To participate in the e-Bid submission for GRSE, it is mandatory for the bidders to get their firms registered with GRSE E-Procurement portal <https://eprocuregrse.co.in>

- b) It is mandatory for all bidders to have class – III Digital Signature Certificate (DSC) in the name of the person who will digitally sign the bid from any of licensed Certifying Agency (CA). Bidders can see the list of licensed CAs from the link <http://www.cca.gov.in>.
- c) Bidders can view / download Part-I (Techno-Commercial) bid documents along with all attachments in E–Procurement portal <https://eprocuregrse.co.in>; Central Public Procurement Portal <https://eprocure.gov.in/cppp/> and GRSE website <http://www.grse.in/index.php/tender.html>. They need to fill up the downloaded documents as per instruction and upload the same during bid submission. Non-acceptance of any techno-commercial criteria is discouraged. However, if there is any, it is to be commented accordingly and also stated in the separate deviation format.
- d) Bidders need to fill up Part II (Price) bid online in Excel Template price bid format by inserting unit price only. No other attachment to the price bid will be reckoned.
- e) In case the bidder does not quote his rate for any item(s), it will be presumed that the bidder has included the cost of that/those item(s) in the rates of other items and the rate for such item(s) shall be considered as **Zero** and the tender will be evaluated by the Employer accordingly and the work executed by the successful bidder accordingly.
- f) Bids can be submitted only during validity of registration of bidder with GRSE e–Procurement portal.
- g) The amendments / clarifications to the bid document, if any, will be posted on E-Procurement portal / GRSE web site only.
- h) It will be the bidder’s responsibility to check the status of their Bid on-line regularly after the opening of bid till award of work.
- i) **AMENDMENT OF TENDER DOCUMENT**
  - i. Before the deadline for submission of tenders, the Tender Document may be modified by GRSE Ltd. by issue of addenda/corrigendum. Issue of addenda / corrigenda will however be stopped 7 days prior to the deadline for submission of tenders as finally stipulated.
  - ii. Addendum/corrigendum, if any, will be hosted on website / e procurement portal and shall become a part of the tender document. All Tenderers are advised to see the website for addendum/ corrigendum to the tender document which may be uploaded up to 7 days prior to the deadline for submission of Tender as finally stipulated.
  - iii. To give prospective Tenderers reasonable time in which to take the addenda/ corrigenda into account in preparing their tenders, extension of the deadline for submission of tenders may be given as considered necessary by GRSE.
- j) GRSE will follow the guidelines & directives as promulgated by GOI post COVID 19 pandemic outbreak. All the qualified bidders have to quote considering the same accordingly.

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

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

1. Bidder's failure to furnish sufficient or complete details for evaluation of the bids within the given period which may range in between two to three weeks depending on the deficiencies noticed in the drawings / technical data which shall not however conflict with validity period.
2. Incomplete / misleading / ambiguous bid in the considered opinion of the Technical Negotiation Committee (TNC)/ Commercial Negotiation Committee (CNC) of GRSE.
3. Bid with technical requirements and/or terms not acceptable to GRSE / Customers / External agency nominated, as applicable.
4. Bid received without qualification documents, where required as per the Tender Enquiry.
5. Bid not meeting the pre-qualification parameters / criteria stipulated in the Tender Enquiry.
6. Bid with validity expiry date shorter than that specified in the Tender Enquiry.
7. EMD validity period is shorter than specified in the Tender Enquiry.
8. Bidders who have not agreed for the fixed price till the validity of the tender or have quoted the variable price.
9. Bidder not agreeing for furnishing of the required Security Deposit (SD).
10. Bidders not submitting Original instrument of EMD within 7 GRSE working days from the tender closing date.
11. Bidders have indicated / attached / shown any price anywhere else other than as per provision in e-portal [Art.21 (d)], then offer will be treated as cancelled.
12. Bidders who have submitted **PRICE** along with Techno-Commercial Bid.

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

### i. Security Deposit प्रतिभूति जमा -

Non-interest-bearing security deposit of **5%** of total order value (inclusive of GST) is to be deposited in the manner elaborated at **Clause 6** of GRSE STAC at **Annexure-2**.

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

Work Done Certificate will be issued by PL-Yd 3035/In-charge Pipe Shop/ their nominated Officer based on Inspection report as applicable.

W.D.C. is to include whether work has been completed as per delivery schedule or with delay [in days/weeks specified therein]. Any recovery towards usage of GRSE resources is also to be indicated.

**iii. Bill Submission बिल प्रस्तुति:**

Bills are to be submitted considering the Checklist for Bill Submission at **Annexure 10** along with supporting document (Work Done certificate etc.) at the Bill Receiving Counters located at the respective unit of Company. Bill is to be submitted (in 03 copies) in sealed envelope super-scribing on the envelope the Purchase Order No., Vendor code, Bill / Invoice No., Name of person /employee to whom bill is addressed, for processing. 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.

**iv. Payment Terms भुगतान की शर्तें:**

a. The 100% bill amount with full GST will be paid on completion of the job within 30 days of receipt of bill (in 03 copies) duly certified by Bill Certifying Authority & supported with satisfactory Work Done Certificate duly certified by WDC certifying Authority for 100% of job done. Amounts recoverable from contractor, if any, is to be adjusted from bill as per certification of Bill Certifying Authority. Moreover, release of payment is subject to clearance of ESI / P.F. and other labour related mandatory liabilities of the Contractor.

b. Payment will be made on actual certification basis.

**Bill Certifying Authority:** PL-Yd 3035/DGM/AGM (MW)/their nominated Officer.

**v. Liquidated Damages (निर्णित हर्जाना)**

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

**vi. Risk Purchase जोखिम खरीद**

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

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

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

The Vendor/Contractor shall abide by the Safety regulations/rules of the GRSE as detailed in Fire & Safety Guidelines (please refer [www.grse.in](http://www.grse.in)). You should take all safety precautions and provide adequate supervision & control for your workmen in order to carry out the job safely. In case of any violation of safety precaution and non-use of safety equipment, Contractor shall be liable for a penalty which is detailed in Fire and safety Guideline. Penalty amount depends on the type and frequency of violation mentioned in the safety guideline and the same will be deducted from the defaulter's bill.

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

#### **LIST OF PPES**

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

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

**ix. 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 24 अनुच्छेद 24: SUBMISSION OF BID बिड की पेशी -**

1. Last date of submission of Bid / Date of opening of bid is indicated in Tender Document. Tender is liable to be rejected if all the requisite documents are not enclosed with the Part

I, Techno-Commercial offer.


2. Date of opening of Part II offer i.e. Price Bid will be notified to all Techno-Commercially qualified bidders in due course after conclusion of TNC/CNC meetings and acceptance of Techno-Commercial offer. After opening of e-Price bids, the techno-commercially qualified bidders can view the System Generated Price Comparison Sheet from their own portal.
3. GRSE reserves the right to accept / reject any Tender in full or in part without assigning any reason.
4. Acceptance Format Matrix should be filled up and attached with techno-commercial bid as marks of acceptance of NIT/SOTR/STAC. In case of non-receipt of filled in STACs acceptance format matrix, it would be presumed that you have accepted all our terms & conditions as per GRSE tender until & unless deviation is specially mentioned in offer.

**ARTICLE 25 अनुच्छेद 25: CONTRACT WORKMAN WAGE PAYMENT: -**

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

**ARTICLE 26 अनुच्छेद 26: STATUTORY RESPONSIBILITY OF CONTRACTOR DEPLOYING THEIR WORKMEN INSIDE GRSE PREMISES – AS PER ANNEXURE-15.**

**Ashim Kumar Dey**  
**Manager (Contract)**  
**Garden Reach Shipbuilders & Engineers Limited**  
**43/46, Garden Reach Road, Kolkata – 700 024**  
**Mobile: +91 75960 23717**  
**e-Mail: Dey.AshimKumar@grse.co.in**


 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

## INTENT

Intent of GRSE is to out-source the job for on-board flushing of Fuel Oil system pipes.

## CONTRACTOR'S SCOPE OF WORK

- Establishing flushing circuit/loop with motor driven pump, hose, pipe line tank and filter element at suitable place. Vendor has to arrange flushing unit with filter element. Flushing of system may be required to be undertaken in multiple circuits.
- Ports which are not in service to be suitably blanked to prevent ingress of foreign particles prior and post flushing. Suitable fitting for Blanking is to be arranged by Vendor.
- Contractor has to refill the fuel oil/ diesel oil as and when required. However, supply of fuel oil/diesel oil is under GRSE scope of supply.
- Intermittent cleaning of filters is in the scope of vendor.
- Necessary precaution for on-board running of flushing are to be taken by the vendor.
- The Flushing requirement for the above-mentioned system is 40 mesh gauge or 40 M Technical filter.
- Flushing will be witnessed and certified by QA/ WOT.
- After completion of flushing all the fuel oil/ diesel oil to be collected in a drum with adequate safety measure.
- If leakages observed during flushing, to be rectified by the vendor.
- After completion of flushing, the fuel oil/ diesel oil to be collected in a drum with adequate safety measure & system has to re-establish the original system and defects, if any, to be liquidated during trial of the system.
- Representative of the vendor has to be present all the time during flushing of the system.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

## DRAWINGS & REFERENCES

- a. System Drawings of FO filling & Transfer system.
- b. System Drawings of FO centrifuge & Service system.
- c. GRSE GRAQs.

## GRSE'S SCOPE OF SUPPLY

- (i) Electric power, Crane supply, compressed air.
- (ii) Scaffolding materials, necessary angles, plates. (if required for set-up)
- (iii) Related drawings.
- (iv) Hydraulic Oil/ Lubricating oil/Fuel Oil.


## CONTRACTOR'S SCOPE OF SUPPLY

- i. All type of Machine, tool & tackles such as Motor driven pump, flushing kit, filters, hoses, Teflon tape etc. to carry out on-board job.
- ii. All necessary pipe fittings for looping, running the flushing activity.
- iii. Experienced and skilled manpower to carry out the flushing.
- iv. Service nut-bolts as and when required for erection of the indented job.
- v. Any other facilities not listed above but considered necessary by the Contractor for carrying out the entire work satisfactorily.
- vi. Proper skilled /semi-skilled workforce as per work requirements and optimum supporting unskilled workforce including experienced Engineers / Supervisors & also one experienced / qualified Safety Officer as necessary.

## PRE -QUALIFICATION CRITERIA

- The bidder should have experience of having successfully completed same work at onboard ships in GRSE or other PSU / Private Shipyards within past 3 years.



 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)


- Satisfactory Work Completion Certificates indicating the work order numbers, issued by the party for whom the work is done to be submitted for assessment during TNC meeting. GRSE has the right to verify / cross verification of authenticity of the said documents whenever felt necessary. (Documents mentioned in above clause to be submitted with Techno-commercial bid)

### SITE VISIT

- Before quoting, the Bidder / 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 bidders 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.

### GENERAL REQUIREMENTS

- Cleanliness to be maintained.
- Deficiency of any nature as may be observed during inspection or at the time of acceptance will be made good by the contractor.
- Vendor to meet the work schedule provided by GRSE. To complete the job in schedule time vendor may have to work beyond normal working hours, shift and holidays.
- All the safety guidelines for working on blocks/units and other statutory requirements for working inside the GRSE Main Works Premises are to be strictly followed. The sub-contractor shall comply with all safety requirements in and around the workplace. They shall arrange for safety gears for their personnel.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)


- Personal protective equipment & safety tools for their personnel to ensure necessary safety precautions as per GRSE Safety Dept. guideline. Ensuring safety for Men and Materials:
  - All personnel working onboard Ship should be equipped with proper safety gears like Helmet, Boiler Suit, Safety Goggles, Hand Gloves, Safety Shoes etc.
  - Laid down Safety rules of GRSE should be adhered during working onboard. Violation of this will lead to heavy penalty including cancellation of order also.
  - Gate entry formalities of GRSE laid down by CSIF should be followed strictly and GRSE will not intervene in this for any reason whatsoever may be.
- Statutory HR and GRSE Safety requirements to be met.
- Hindrance Register to be maintained by the sub-contractor and put up for approval by the Project Leader nominated rep

### JOB COMPLETION SCHEDULE

- The job is to be completed within **02 MONTHS** from the date of work order or getting necessary site clearance. To complete the job in schedule time vendor may have to work beyond normal working hours and holidays also.

### INSPECTION

- Successful bidder has to submit QAP duly approved by inspection authority as mentioned above by 07 days from the placement of PO/LOI.
- Inspection will be carried out by GRSE(QA), WOT, OEM, Class as per requirement of GRSE.
- Flushing has to be continued till achieving satisfaction of inspection authority as per GRAQ.


 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)


### WORK DONE CERTIFICATE AND PAYMENT

- The payment shall be made against invoice on completion of services provided followed by issue of WDC. WDC will be issued by PL/In-charge/Pipe Shop nominated officer based on Inspection certificate issued by GRSE QA/WOT.
- Invoice will be certified by PL / DGM / AGM MW.

### METHOD OF QUOTATION:

Sl. No.	WORK	QTY
1	Flushing of Fuel oil system using FO transfer Pump	01 LS
2	Flushing of Fuel oil system using FO Centrifuge	01 LS
3	Flushing of Over flow lines	01LS
4	Flushing from RUFO tanks to individual equipment's (ME, DG & EDG)	01 LS

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
		PREP. BY: Mgr. (Pipe Shop)
		CHECKED BY: SM (Pipe Shop)
ASW-SWC: YD 3035		
Date: 08.03.2023		

 <b>GRSE LTD.</b>	<u>SYSTEM OR MACHINERY</u>	<b>TEST FORM NO.</b> GQ94810010M Rev 01
	<b>FO FILLING TRANSFER CENTRIFUGE &amp; SERVICE SYSTEM</b>	SHEET 13 of 32
		<b>DESCRIPTION OF TEST</b> <b>TEST NO: 03</b>
		<b>SYSTEM FLUSHING</b>
YARD NO. 3029-36		
ASW SWC		

3. Flushing:

- i) For FO Transfer Pump, taking suction from one of the FO Tanks and discharging to the filling, carry out following transfers.


(a) FO TANK 1 TO FO TANK 2
(b) FO TANK 2 TO FO TANK 1
(c) FO TANK 3 TO FO TANK 4
(d) FO TANK 4 TO FO TANK 3
(e) FO Tank 5 to FO Tank 6
(f) FO Tank 5 to FO Tank 6

- ii) For FO Centrifuge, taking suction from FO tanks (No. 5 & 6) carry out following transfer.

(a) TO ME FORU TK (1), ME FORU TK (2), ME FORU TK (3), DG FORU TK (1), DG FORU TK (2), DG FORU TK (3) & EMERGENCY DG FORU TK
(b) FO CENTRIFUGE RETURN LINE TO FO TK
(c) RU TK OVERFLOW, DRAIN LINE

- iii) Fuel Service line for DG, ME and EDG

4. All temporary gauges to be removed.
5. All FO Tanks are to be cleaned.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
		PREP. BY: Mgr. (Pipe Shop)
		CHECKED BY: SM (Pipe Shop)
ASW-SWC: YD 3035		
Date: 08.03.2023		

 <b>GRSE LTD.</b>	<b>SYSTEM OR MACHINERY</b>  <b>FO FILLING TRANSFER CENTRIFUGE &amp; SERVICE SYSTEM</b>	<b>TEST FORM NO.</b> GQ94810010M Rev 01
		SHEET 15 of 32
		<b>DESCRIPTION OF TEST</b> <b>TEST NO: 03</b> <b>SYSTEM FLUSHING</b>
YARD NO. 3029-36 ASW SWC		

**FLUSHING**

a) **USING FO TRANSFER PUMP**


DESCRIPTION	TRANSFER TO FO TANKS				
	FO TK 1 TO FO TK 2	FO TK 2 TO FO TK 1	FO TK 3 TO FO TK 4	FO TK 4 TO FO TK 3	FO TK 5 TO FO TK 6
FLUSH COMPLETE					
DATE					


DESCRIPTION	TRANSFER TO FO TANKS				
	FO TK 6 TO FO TK 5				
FLUSH COMPLETE					
DATE					

b) **USING FWD FO CENTRIFUGE (Taking Suction from FO Tank 5 or 6)**

DESCRIPTION	TRANSFER TO FO TANKS		
	ME FORU TK 2 (FER)	ME FORU TK 3 (FER)	DG FO RU TK2 (DG Compt)
FLUSH COMPLETE			
DATE			

DESCRIPTION	TRANSFER TO FO TANKS	
	DG FO RU TK3 (DG Compt)	EDA RU TANK (EDA COMPT.)
FLUSH COMPLETE		
DATE		

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF FO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/003 REV 01
		PREP. BY: Mgr. (Pipe Shop)
		CHECKED BY: SM (Pipe Shop)
ASW-SWC: YD 3035		
Date: 08.03.2023		

 <b>GRSE LTD.</b>	<u>SYSTEM OR MACHINERY</u>  <b>FO FILLING TRANSFER CENTRIFUGE &amp; SERVICE SYSTEM</b>	<b>TEST FORM NO.</b> GQ94810010M Rev 01
		SHEET 16 of 32
		<b>DESCRIPTION OF TEST</b> <b>TEST NO: 03</b> <b>SYSTEM FLUSHING</b>
<b>YARD NO. 3029-36</b>		
<b>ASW SWC</b>		

c) USING AFT FO CENTRIFUGE (Taking Suction from FO Tank 5 or 6)

DESCRIPTION	TRANSFER TO FO TANKS		
	ME FORU TK 1 (AER)	DG FO RU TK1 (FER)	
FLUSH COMPLETE			
DATE			

d) Flushing of Overflow lines :-

	DESCRIPTION	FLUSH COMPLETE	DATE
i.	ME FORU TK 1 (AER) Overflow line		
ii.	ME FORU TK 2 (FER) Overflow line		
iii.	ME FORU TK 3 (FER) Overflow line		
iv.	DG FO RU TK1 (FER) Overflow line		
v.	DG FO RU TK2 (DG Compt) Overflow line		
vi.	DG FO RU TK3 (DG Compt) Overflow line		
vii.	EDA RU TANK (EDA COMPT.) Overflow line		

e) FLUSHING FROM RUFO TANKS TO INDIVIDUAL EQUIPMENTS :

Sl. No.	DESCRIPTION	FLUSH COMPLETE	DATE
i)	ME (P) Supply and Return line from FORU Tk 3		
ii)	ME (S) Supply & return Line from FORU Tk2		
iii)	ME (C) supply & return Line from FORU Tk 1		
iv)	DG (P) in DG Room FO supply from DG FORU Tk 3		
v)	DG (C) in DG Room FO supply from DG FORU Tk 3		
vi)	DG (S) in DG Room FO supply from DG FORU Tk 2		
vii)	DG in FER Room FO supply from DG FORU Tk 2		
viii)	EDG FO supply & return line from EDG FORU Tank		

One or more circuits may be clubbed together suitably for flushing operation, if required.

**GRAQ Extracts**





**GRSE LTD.**

**ASW-SWC: YD  
3035**

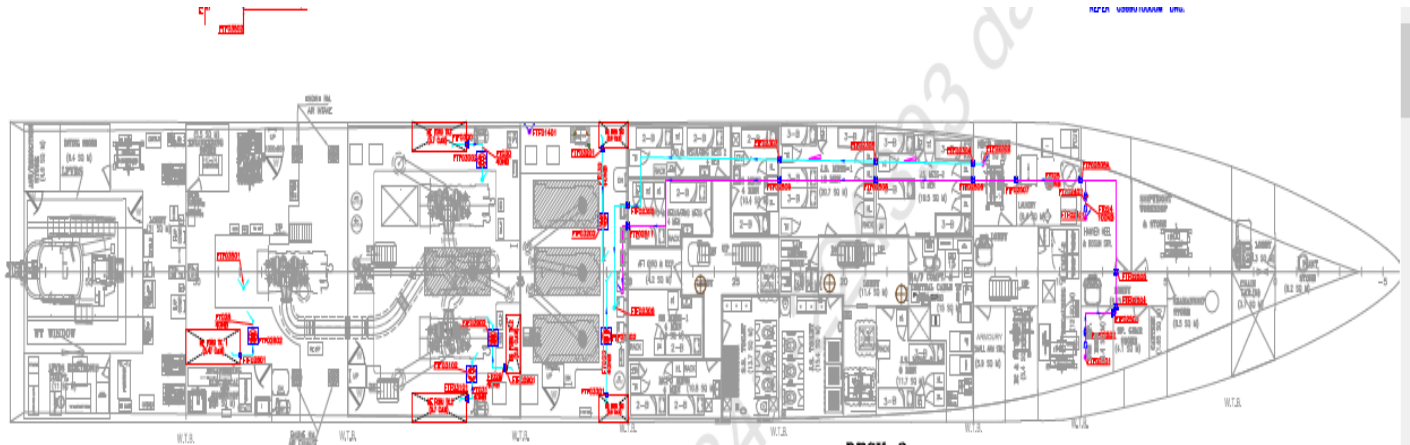
**Date: 08.03.2023**

**TECHNICAL SPECIFICATION FOR  
ONBOARD FLUSHING ACTIVITY OF  
FO SYSTEM PIPES – ASWSWC**

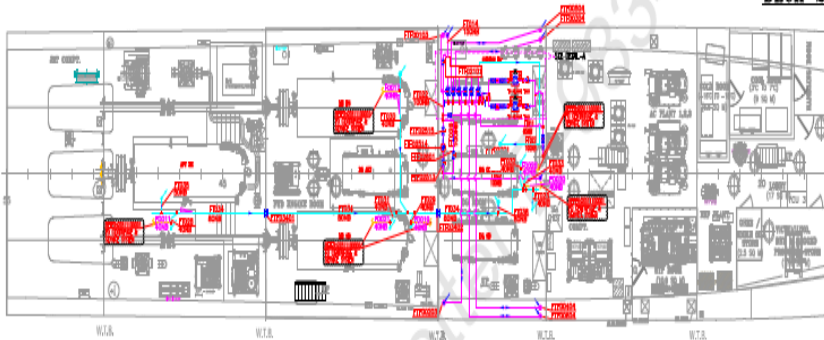
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MW/ASW-SWC/3035/003  
REV 01

**PREP. BY:** Mgr. (Pipe Shop)

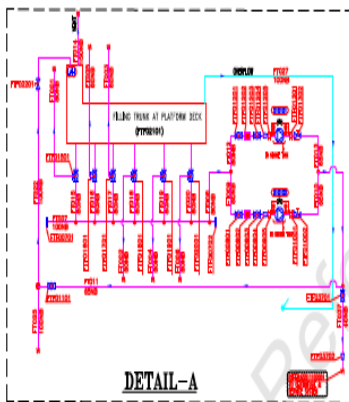
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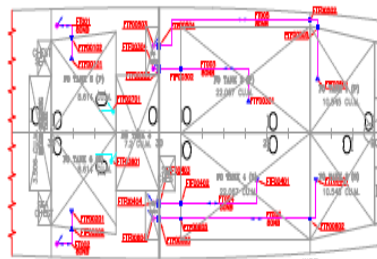
**DECK-2**



**DECK-3**



**DETAIL-A**



**TANKAGE PLAN**

SEE LETTER E-98341-224393



PLAN(S) NOW SENT SUPERSEDE THE  
APPROPRIATE PLAN(S) PREVIOUSLY  
APPROVED/NOTED ON 10-Aug-2021

**REVISION NOTES (FROM REV. 2 TO REV. 3)**

1. VALVE TYPE FOR FOLLOWING 'GEAR OPERATED FIRE SAFE BALL VALVE' AND 'GEAR OPERATED L PORTED PLUG VALVE' CHANGED TO 'FIRE SAFE BALL VALVE' AND 'L PORTED PLUG VALVE' RESPECTIVELY.  
(FTF00901, FTF00903, FTF01201, FTF01203, FTF01501, FTF01601, FTF01701, FTF01801 AND FTF02001)
2. INTERCONNECTION DETAILS FOR FORU TANK DRAIN AND OVERFLOW LINE ARE INDICATED IN THE DRAWING.
3. EMERGENCY DG OVERFLOW & DRAIN LINE INDICATED IN DECK 2 AS PER 3D MODEL.
4. FTF01101 VALVE TYPE CHANGED FROM BUTTERFLY TO BALL VALVE.
5. FO FILLING LINE (FT0203) IS ROUTED AS PER 3D MODEL.

**Fuel Filling & Transfer System Drawing**



**GRSE LTD.**

**ASW-SWC: YD  
3035**

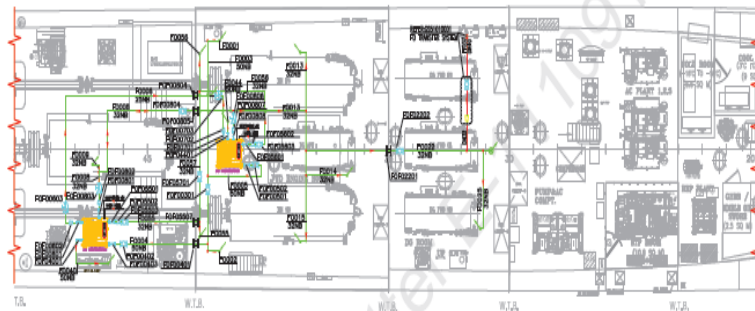
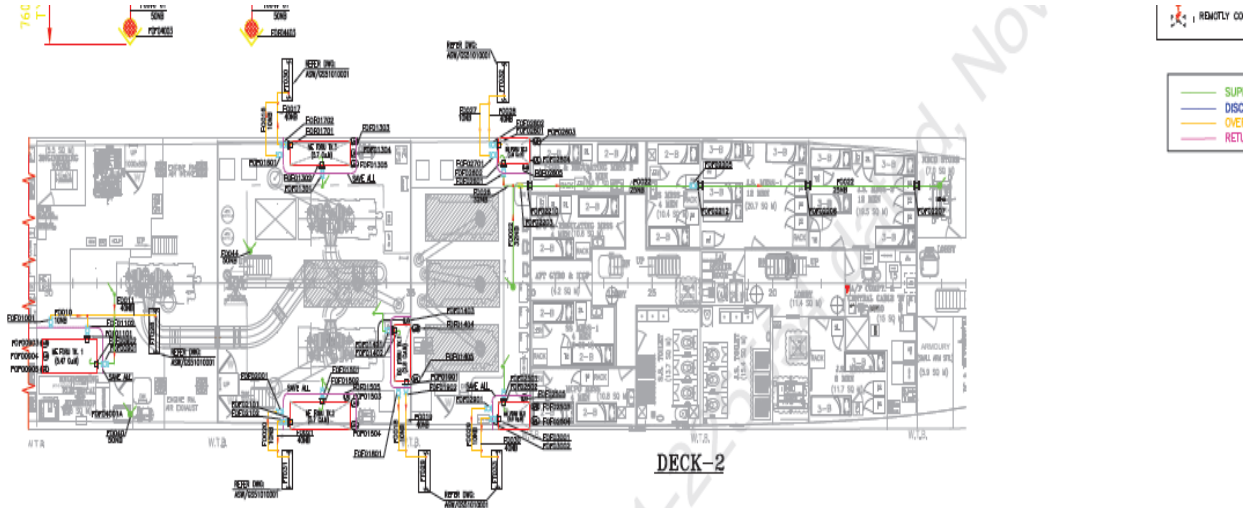
**Date: 08.03.2023**

**TECHNICAL SPECIFICATION FOR  
ONBOARD FLUSHING ACTIVITY OF  
FO SYSTEM PIPES – ASWSWC**

**Ref No.:**  
MW/ASW-SWC/3035/003  
REV 01

**PREP. BY:** Mgr. (Pipe Shop)

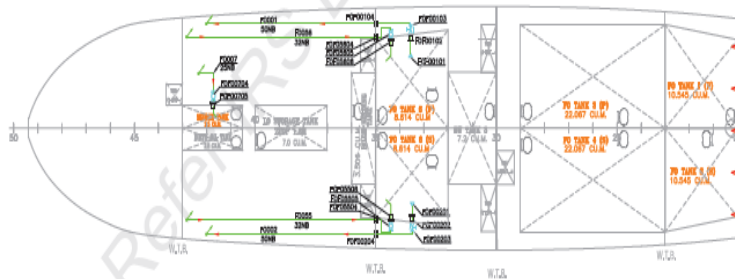
**CHECKED BY:** SM (Pipe Shop)



SEE LETTER F-111001-225554



PLAN(S) NOW SENT SUPERSEDE THE  
APPROPRIATE PLAN(S) PREVIOUSLY  
APPROVED/NOTED ON 17-Sept-2021



**REVISION NOTES (FROM REV 1 TO REV 2)**


1. TEST PRESSURE UPDATED
2. FO CENTRIFUGE SLUDGE TANK VENT LINE RELOCATED AND ADDITIONAL DECK FITTING (FDF04001A) INCORPORATED
3. FO SUPPLY LINE TO EDG FO RU TANK INDICATED IN DECK 2 AS PER MODELING
4. BELL MOUTH INSIDE FORU TANKS DELETED IN FO SUPPLY PIPELINES TO ME & DG.

**REVISION NOTES (FROM REV 0 TO REV 1)**

1. DRAWING IS UPDATED AS PER LATEST GA.
2. RE-CIRCULATION LINE PROVIDED FOR FO CENTRIFUGE AS PER OEM BINDING DATA.
3. AIR VENT LINES ARE PROVIDED FOR FO CENTRIFUGES AS PER OEM BINDING DATA.
4. ME RU TANK AND FO RU TANK LOCATIONS UPDATED AS PER LATEST G.A.
5. ME AND DA FO SUPPLY AND RETURN LINES ARE UPDATED AS PER OEM BINDING DATA.
6. ME LEAK OFF LINE PROVIDED AS PER OEM BINDING DATA.

**FO Centrifuge System Drawing**




 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

### INTENT

Intent of GRSE is to out-source the job for on-board flushing for Lube. Oil system pipes.

### CONTRACTOR'S SCOPE OF WORK

- Establishing flushing circuit/loop with motor driven pump, hose, pipe line tank and filter element at suitable place. Vendor has to arrange flushing unit with filter element. Flushing of system may be required to be undertaken in multiple circuits.
- Ports which are not in service to be suitably blanked to prevent ingress of foreign particles prior and post flushing. Suitable fitting for Blanking is to be arranged by Vendor.
- Contractor has to refill the lube. oil as and when required. However, supply of lube. oil is under GRSE scope of supply.
- Intermittent cleaning of filters is in the scope of vendor.
- Necessary precaution for on-board running of flushing are to be taken by the vendor.
- The Flushing requirement for the above-mentioned system is 40 mesh gauge or 40 M Technical filter.
- Flushing will be witnessed and certified by QA/ WOT.
- After completion of flushing all the lube. oil to be collected in a drum with adequate safety measure.
- If leakages observed during flushing, to be rectified by the vendor.
- After completion of flushing, the lube. oil to be collected in a drum & system has to re-establish the original system and defects, if any, to be liquidated during trial of the system.
- Representative of the vendor has to be present all the time during flushing of the system.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

## DRAWINGS & REFERENCES

- a. System Drawings of LO filling, Transfer Centrifuge & service system.
- b. GRSE GRAQ.

## GRSE'S SCOPE OF SUPPLY


- (i) Electric power, Crane supply, compressed air.
- (ii) Scaffolding materials, necessary angles, plates. (if required for set-up)
- (iii) Related drawings.
- (iv) Lubricating oil.

## CONTRACTOR'S SCOPE OF SUPPLY

- i. All type of Machine, tool & tackles such as Motor driven pump, flushing kit, filters, hoses, Teflon tape etc. to carry out on-board job.
- ii. All necessary pipe fittings for looping, running the flushing activity.
- iii. Experienced and skilled manpower to carry out the flushing.
- iv. Service nut-bolts as and when required for erection of the indented job.
- v. Any other facilities not listed above but considered necessary by the Contractor for carrying out the entire work satisfactorily.
- vi. Proper skilled /semi-skilled workforce as per work requirements and optimum supporting unskilled workforce including experienced Engineers / Supervisors & also one experienced / qualified Safety Officer as necessary.

## PRE -QUALIFICATION CRITERIA

- The bidder should have experience of having successfully completed same work at on-board ships in GRSE or other PSU / Private Shipyards within past 3 years.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)


- Satisfactory Work Completion Certificates indicating the work order numbers, issued by the party for whom the work is done to be submitted for assessment during TNC meeting. GRSE has the right to verify / cross verification of authenticity of the said documents whenever felt necessary. (Documents mentioned in above clause to be submitted with Techno-commercial bid).

### SITE VISIT

- Before quoting, the Bidder / 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 bidders 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.

### GENERAL REQUIREMENTS

- Cleanliness to be maintained.
- Deficiency of any nature as may be observed during inspection or at the time of acceptance will be made good by the contractor.
- Vendor to meet the work schedule provided by GRSE. To complete the job in schedule time vendor may have to work beyond normal working hours, shift and holidays.
- All the safety guidelines for working on blocks/units and other statutory requirements for working inside the GRSE Main Works Premises are to be strictly followed. The sub-contractor shall comply with all safety requirements in and around the workplace. They shall arrange for safety gears for their personnel.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)


- Personal protective equipment & safety tools for their personnel to ensure necessary safety precautions as per GRSE Safety Dept. guideline. Ensuring safety for Men and Materials:
  - All personnel working onboard Ship should be equipped with proper safety gears like Helmet, Boiler Suit, Safety Goggles, Hand Gloves, Safety Shoes etc.
  - Laid down Safety rules of GRSE should be adhered during working onboard. Violation of this will lead to heavy penalty including cancellation of order also.
  - Gate entry formalities of GRSE laid down by CSIF should be followed strictly and GRSE will not intervene in this for any reason whatsoever may be.
- Statutory HR and GRSE Safety requirements to be met.
- Hindrance Register to be maintained by the sub-contractor and put up for approval by the Project Leader nominated rep

### JOB COMPLETION SCHEDULE

- The job is to be completed within **02 MONTHS** from the date of work order or getting necessary site clearance. To complete the job in schedule time vendor may have to work beyond normal working hours and holidays also.

### INSPECTION

- Successful bidder has to submit QAP duly approved by inspection authority as mentioned above by 07 days from the placement of PO/LOI.
- Inspection will be carried out by GRSE(QA), WOT, OEM, Class as per requirement of GRSE.
- Flushing has to be continued till achieving satisfaction of inspection authority as per GRAQ.


 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

### WORK DONE CERTIFICATE AND PAYMENT

- The payment shall be made against invoice on completion of services provided followed by issue of WDC. WDC will be issued by PL/In-charge/Pipe Shop nominated officer based on Inspection certificate issued by GRSE QA/WOT.
- Invoice will be certified by PL / DGM / AGM (MW).

### METHOD OF QUOTATION:

Sl. No.	WORK	QTY
1	Flushing of Lub. oil system using LO transfer Pump to tanks	01 LS
2	Flushing of Lub. oil system using LO Centrifuge to tanks	01 LS
3	Flushing of Lub. oil Supply, over flow & Drain lines to Engine rooms	01 LS

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF LO SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/006 REV 01
ASW-SWC: YD 3035		PREP. BY: Mgr. (Pipe Shop)
Date: 08.03.2023		CHECKED BY: SM (Pipe Shop)

## FLUSHING

### a) USING LO TRANSFER PUMP (FER)

	DESCRIPTION	FLUSH COMPLETE	DATE
1	LO Tk – LO RU Tk		

### b) USING LO CENTRIFUGE(AER)

	DESCRIPTION	FLUSH COMPLETE	DATE
1	LO Tk – LO RU Tk		

### c)

	DESCRIPTION	FLUSH COMPLETE	DATE
1	LO supply line in Engine Rooms		
2	LORU Tk Overflow & Drain line to LO Storage tank		

**GRAQ Extracts**



**GRSE LTD.**

ASW-SWC: YD  
3035

Date: 08.03.2023

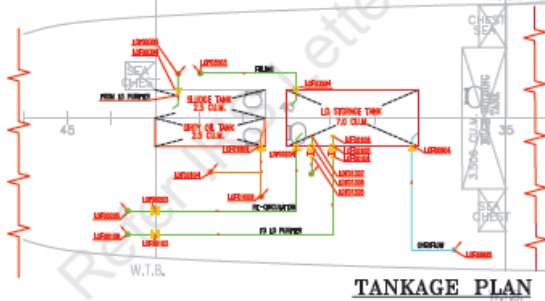
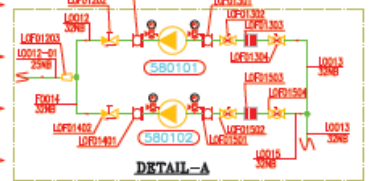
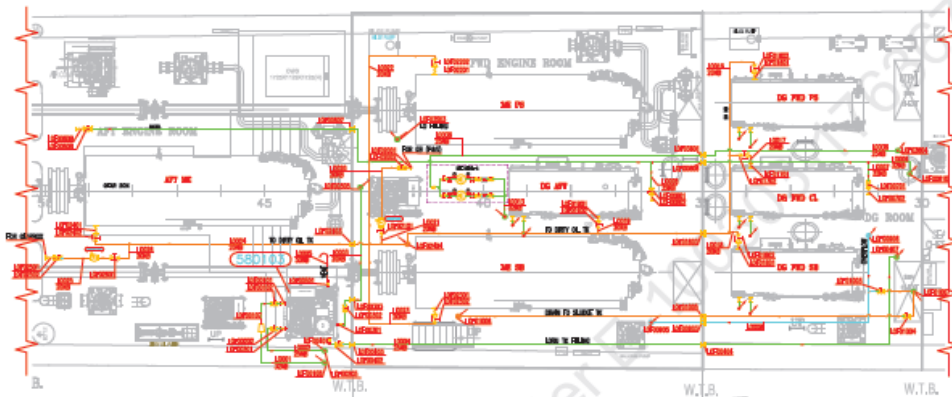
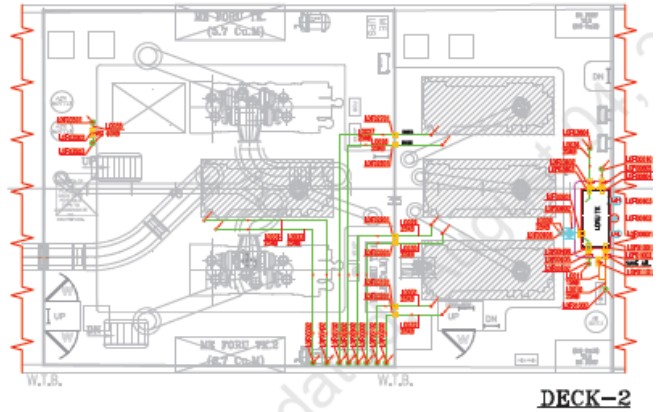
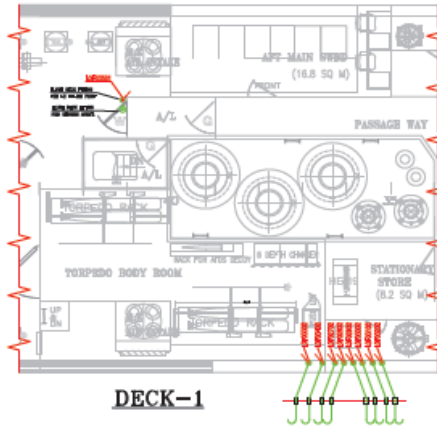
**TECHNICAL SPECIFICATION FOR  
ONBOARD FLUSHING ACTIVITY OF  
LO SYSTEM PIPES – ASWSWC**

**Ref No.:**  
MW/ASW-SWC/3035/006  
REV 01

PREP. BY: Mgr. (Pipe Shop)

CHECKED BY: SM (Pipe Shop)

THIS DRAWING IS SCHEMATIC ONLY




PLEASE REFER TO THE FOLLOWING DRAWINGS FOR THE LOCATION OF THE EQUIPMENT AND THE CONNECTIONS THEREOF.  
 PLEASE REFER TO THE FOLLOWING DRAWINGS FOR THE LOCATION OF THE EQUIPMENT AND THE CONNECTIONS THEREOF.  
 PLEASE REFER TO THE FOLLOWING DRAWINGS FOR THE LOCATION OF THE EQUIPMENT AND THE CONNECTIONS THEREOF.

**APPROVED**  
 DATE: 08 Aug 2023  
 DESIGNER: MGR (PIPE SHOP)  
 CHECKER: SM (PIPE SHOP)

- REFERENCE DRAWINGS**
- 0480100001 – GENERAL ARRANGEMENT
  - 0512310001 – TANK PLAN
  - 0553430001 – DRY BAGE SYSTEM
  - 0551110001 – F.O. SERVICE SYSTEM
  - 0550460001 – AIR ESCAPE SYSTEM
  - 0542720001 – SOUNDING SYSTEM

**LO System Drawing**

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF WATER JET HYDRAULIC &amp; THRUST BLOCK LUBRICATION SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/002 REV 01
ASW-SWC: YD 3035		<b>PREP. BY: Mgr. (Pipe Shop)</b>
Date: 08.03.2023		<b>CHECKED BY: SM (Pipe Shop)</b>


### INTENT

Intent of GRSE is to out-source the job for on-board flushing for Waterjet Hydraulic system and Thrust Block Lubrication system pipes.

### CONTRACTOR'S SCOPE OF WORK

- Establishing flushing circuit/loop with motor driven pump, hose, pipe line tank and filter element at suitable place. Vendor has to arrange flushing unit with filter element preferably below 5 microns for flushing of WJ Hydraulic system and Thrust Bearing Lubrication system. Flushing of Hydraulic system and Thrust Bearing lubrication system may be required to be undertaken in multiple circuits.
- Vendor should arrange suitable arrangement for measuring NAS Grade online. GRSE shall provide instrument for measuring NAS Grade.
- Ports which are not in service to be suitably blanked to prevent ingress of foreign particles prior and post flushing. Suitable fitting for Blanking are to be arranged by Vendor.
- Changing & cleaning of filters regularly, if required to achieve desired NAS Grade 7 or below.
- If leakages observed during flushing, to be rectified by the vendor.
- Flushing to be offered and shown to the inspection agencies.
- After completion of flushing, vendor has to re-establish the original system and defects, if any, to be liquidated during trial of the system.
- Representative of the vendor has to be present all the time during flushing of the system.
- Flushing may be continued during lunch period, over time, overnight, Sundays and holidays (if required) to achieve desired NAS in schedule time.



 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF WATER JET HYDRAULIC &amp; THRUST BLOCK LUBRICATION SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/002 REV 01
ASW-SWC: YD 3035		<b>PREP. BY: Mgr. (Pipe Shop)</b>
Date: 08.03.2023		<b>CHECKED BY: SM (Pipe Shop)</b>

## DRAWINGS

System drawings of Waterjet & Thrust Block Lubrication system.

## GRSE'S SCOPE OF SUPPLY


- (i) Electric power, Crane supply, compressed air.
- (ii) Scaffolding materials, necessary angles, plates. (if required for set-up)
- (iii) Related drawings.
- (iv) Hydraulic Oil/ Lubricating oil.
- (v) Instrument for measuring NAS Grade of Hydraulic Oil/ Lub. Oil.

## CONTRACTOR'S SCOPE OF SUPPLY

- i. All type of Machine, tool & tackles such as Motor driven pump, flushing kit, filters, hoses etc. to carry out on-board job.
- ii. All necessary pipe fittings for looping, running the flushing activity.
- iii. Experienced and skilled manpower to carry out the flushing.
- iv. Service nut-bolts as and when required for erection of the indented job.
- v. Any other facilities not listed above but considered necessary by the Contractor for carrying out the entire work satisfactorily.
- vi. Proper skilled /semi-skilled workforce as per work requirements and optimum supporting unskilled workforce including experienced Engineers / Supervisors & also one experienced / qualified Safety Officer as necessary.

## PRE -QUALIFICATION CRITERIA

- The bidder should have experience of having successfully completed same work at on-board ships in GRSE or other PSU / Private Shipyards within past 3 years.

 <b>GRSE LTD.</b>	<p align="center"><b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF WATER JET HYDRAULIC &amp; THRUST BLOCK LUBRICATION SYSTEM PIPES – ASWSWC</b></p>	<b>Ref No.:</b> MW/ASW-SWC/3035/002 REV 01
ASW-SWC: YD 3035		<b>PREP. BY: Mgr. (Pipe Shop)</b>
Date: 08.03.2023		<b>CHECKED BY: SM (Pipe Shop)</b>


- Satisfactory Work Completion Certificates indicating the work order numbers, issued by the party for whom the work is done to be submitted for assessment during TNC meeting. GRSE has the right to verify / cross verification of authenticity of the said documents whenever felt necessary. (Documents mentioned in above clause to be submitted with Techno-commercial bid)

### SITE VISIT

- Before quoting, the Bidder / 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 bidders 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.

### GENERAL REQUIREMENTS

- Cleanliness to be maintained.
- Deficiency of any nature as may be observed during inspection or at the time of acceptance will be made good by the contractor.
- Vendor to meet the work schedule provided by GRSE. To complete the job in schedule time vendor may have to work beyond normal working hours, shift and holidays.
- All the safety guidelines for working on blocks/units and other statutory requirements for working inside the GRSE Main Works Premises are to be strictly followed. The sub-contractor shall comply with all safety requirements in and around the workplace. They shall arrange for safety gears for their personnel.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF WATER JET HYDRAULIC &amp; THRUST BLOCK LUBRICATION SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/002 REV 01
ASW-SWC: YD 3035		<b>PREP. BY: Mgr. (Pipe Shop)</b>
Date: 08.03.2023		<b>CHECKED BY: SM (Pipe Shop)</b>


- Personal protective equipment & safety tools for their personnel to ensure necessary safety precautions as per GRSE Safety Dept. guideline. Ensuring safety for Men and Materials:
  - All personnel working onboard Ship should be equipped with proper safety gears like Helmet, Boiler Suit, Safety Goggles, Hand Gloves, Safety Shoes etc.
  - Laid down Safety rules of GRSE should be adhered during working onboard. Violation of this will lead to heavy penalty including cancellation of order also.
  - Gate entry formalities of GRSE laid down by CSIF should be followed strictly and GRSE will not intervene in this for any reason whatsoever may be.
- Statutory HR and GRSE Safety requirements to be met.
- Hindrance Register to be maintained by the sub-contractor and put up for approval by the Project Leader nominated rep

### JOB COMPLETION SCHEDULE

- The job is to be completed within **01 MONTH** from the date of work order or getting necessary site clearance. To complete the job in schedule time vendor may have to work beyond normal working hours and holidays also.

### INSPECTION

- Successful bidder has to submit QAP duly approved by inspection authority as mentioned above by 07 days from the placement of PO/LOI.

 <b>GRSE LTD.</b>	<b>TECHNICAL SPECIFICATION FOR ONBOARD FLUSHING ACTIVITY OF WATER JET HYDRAULIC &amp; THRUST BLOCK LUBRICATION SYSTEM PIPES – ASWSWC</b>	<b>Ref No.:</b> MW/ASW-SWC/3035/002 REV 01
ASW-SWC: YD 3035		<b>PREP. BY: Mgr. (Pipe Shop)</b>
Date: 08.03.2023		<b>CHECKED BY: SM (Pipe Shop)</b>

- Inspection will be carried out by GRSE(QA), WOT, OEM, Class as per requirement of GRSE. (NAS grade 7 and below)
- Flushing has to be continued till achieving satisfaction of inspection authority as per NAS requirement.

### WORK DONE CERTIFICATE AND PAYMENT

- The payment shall be made against invoice on completion of services provided followed by issue of WDC.WDC will be issued by PL/In-charge/Pipe Shop nominated officer based on Inspection certificate issued by GRSE QA/WOT.
- Invoice will be certified by PL / DGM / AGM (MW).

### METHOD OF QUOTATION:

Sl.No.	WORK	QTY
1	Flushing of WJ Hydraulic System (Port, Stbd. & Centre)	03 LS
2	Flushing of WJ Thrust Bearing Lub. oil System (Port, Stbd. & Centre)	03 LS



**GRSE LTD.**

**ASW-SWC: YD  
3035**

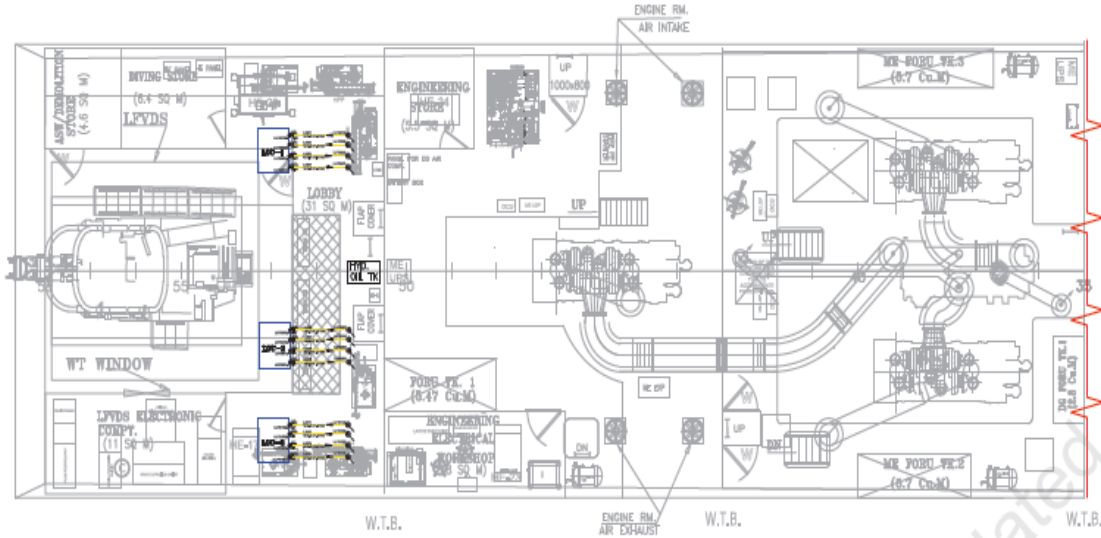
**Date: 08.03.2023**

**TECHNICAL SPECIFICATION FOR  
ONBOARD FLUSHING ACTIVITY OF  
WATER JET HYDRAULIC & THRUST  
BLOCK LUBRICATION SYSTEM  
PIPES – ASWSWC**

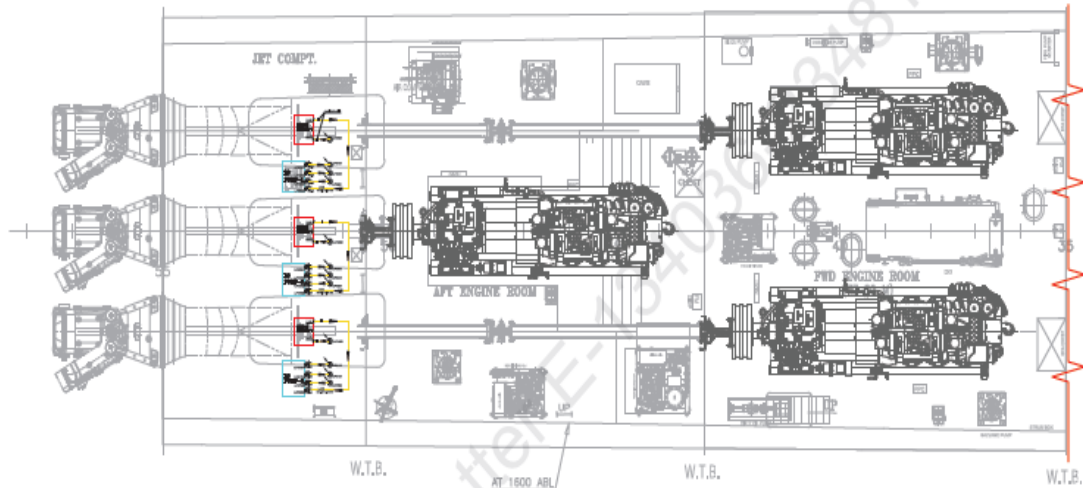
**Ref No.:**  
MW/ASW-SWC/3035/002  
REV 01

**PREP. BY: Mgr. (Pipe Shop)**

**CHECKED BY: SM (Pipe Shop)**



**DECK-2**



- | REVISION |             |
|----------|-------------|
| 1.       | MATE FASTEN |
| 2.       | NOTE        |
| 3.       | NOTE        |
| 4.       | DECK        |
| REVISION |             |
| 1.       | FLEXI INDIC |

**DECK-3**

**FLEXIBLE HOSES TO BE OF APPROVED TYPE AND ONE SPARE OF EACH TYPE TO BE CARRIED ON BOARD READY FOR USE AT ALL TIMES.**

**WJ Lub. oil System Drawing**



**GRSE LTD.**

**ASW-SWC: YD  
3035**

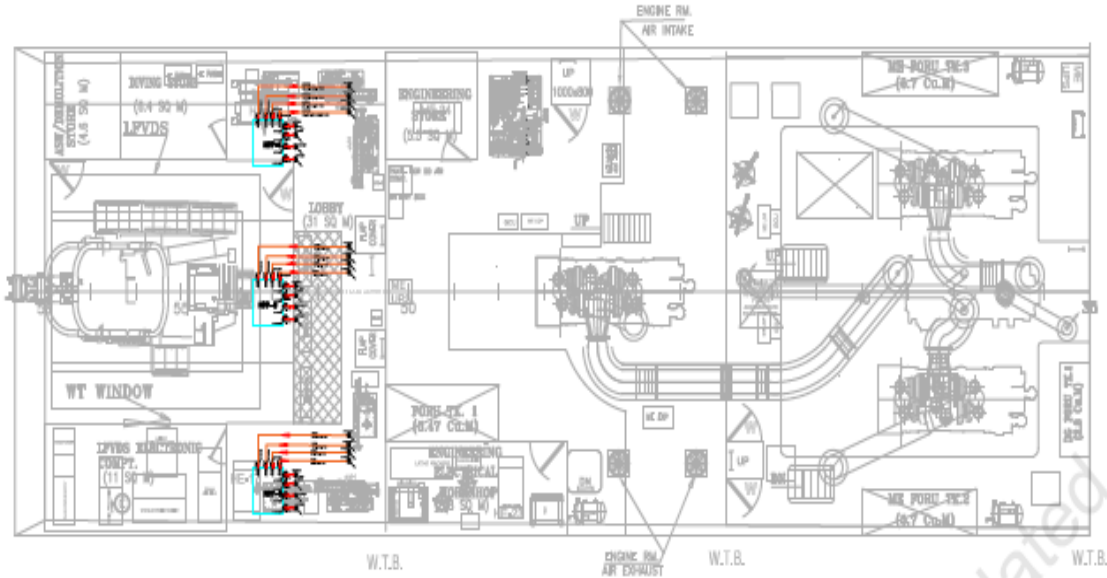
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**TECHNICAL SPECIFICATION FOR  
ONBOARD FLUSHING ACTIVITY OF  
WATER JET HYDRAULIC & THRUST  
BLOCK LUBRICATION SYSTEM  
PIPES – ASWSWC**

**Ref No.:**  
MW/ASW-SWC/3035/002  
REV 01

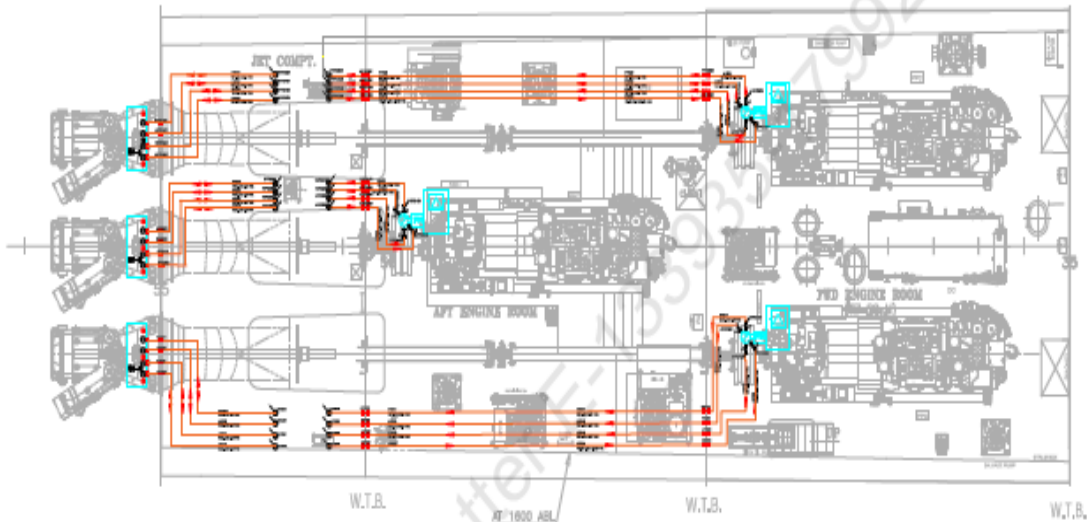
**PREP. BY: Mgr. (Pipe Shop)**

**CHECKED BY: SM (Pipe Shop)**



**SEE LETTER E-133935-179920**

**DECK-2**



**MATERIALS TO BE MANUFACTURED**

**DECK-3**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

**WJ Hydraulic System Drawing**

**FORMAT FOR TECHNICAL ELIGIBILITY**

1. **Name of the Bidder:**

2. **Job Description:**

3. **Tender Reference:**

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

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

**(Signature of Authorized Representative with official seal)**

**Date:**

**Name:**

**Designation:**

**Note: Please add additional pages if required.**

**Form for Bid Security Declaration**

Date: DD/MM/YYYY

Bidder's Ref: \_\_\_\_\_

GeM Tender Ref: \_\_\_\_\_

To

**M/s. Garden Reach Shipbuilders & Engineers Ltd.**  
43/46, Garden Reach Road,  
Kolkata – 700 024

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

Dear Sir / Madam,

We the undersigned declare that:

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

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

- (a) Have withdrawn our bid after opening of price bid and within the bid validity specified in the tender; or
- (b) Having been notified of the acceptance of our bid by M/s. GRSE Ltd. during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the security deposit, in accordance with Article 21 (i) of tender.

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

[*Insert signature of authorized representative*]

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

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

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

Date: DD/MM/YYYY

[*Put corporate seal as appropriate*]



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

**(To be submitted in Company’s Letterhead)**

I / We, Proprietor/ Partner(s)/ Director(s) of M/s. ----- hereby declare that our firm/company namely M/s.-----have neither been blacklisted nor have received any tender holiday by any PSUs/Central & State Govt. Organizations or any other Government / Quasi Government Organizations during last 03 (three) years ending on **31.05.2023** from taking part in Government tenders.

**Or**

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

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

Signature -----

Name -----

Designation: -----

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

Date:

Signature of Bidder with Seal.

<b>CHECK LIST FOR BILL SUBMISSION - for Service Contracts</b>				
<b>A.</b>	<b>GENERAL PARTICULARS: (to be checked and submitted by Contractor/Vendor)</b>			
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		
<b>I. For RA Bill (Running/Progressive bill) (Put ✓ Mark)</b>		<b>YES</b>	<b>NO</b>	<b>NA</b>
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			
<b>II. Applicable for Final/Balance Bill (Put ✓ Mark)</b>				
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

<b>For GRSE Use Only</b>				
<b>B.</b>	<b>To be checked and verified by Bill certifying authority (Put ✓ Mark)</b>	<b>YES</b>	<b>NO</b>	<b>NA</b>
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			
	<b>For Final/Balance Bill (Put ✓ Mark)</b>			
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

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**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.
<b>MAINTENANCE OF REGISTERS</b>				
04	Employee Register	FORM – A	Contractor	Comprising of personal details like name, father's name, DOB, Address etc. of the workmen engaged by the contractor.
05	Wages Payment Register	FORM – B	Contractor	Comprising of current rate of minimum wages, employees PF & ESI contribution and other allowances, if any.
06	Register of Loan / Recoveries / Fines etc.	FORM – C	Contractor	To maintain record of loans, fines and advances given, if any and monthly record of recoveries.
07	Attendance Registers	FORM – D	Contractor	Data of daily attendance of each workmen engaged by the contractor indicating their in and out time.

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

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

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

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

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

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