

CHAPTER-I
INVITATION TO TENDER (NIT-B)

Government of India, Ministry of Home Affairs
OC Water Wing Rajarhat C/O Ftr HQ SB
Border Security Force
TX Station Garia, Kolkata-84
FAX No. 033-22827259 e-mail: ocwwsb@bsf.nic.in

Tender Ref No.: WW/Proc/Dry Dock - SP Durga/2018/ 2118

Dated, the 21 May, 2018

On behalf of the President of India, Officer Commanding Water Wing Rajarhat invites online tender for Dry Dock repair of Floating BOP SP Durga related to the schedule of requirement of tender enquiry enclosed.

2. The conditions of contract which will govern any contract made are **contained in the GFR 2017, Manual of Ministry of Finance for procurement of goods 2017 & all orders issued by MHA**, CVC and other relevant departments of Government of India from time to time which has been issued before issuance of this Tender. **Any special conditions attached to this invitation to tender will also form part of the conditions of contract and will supersede any general condition.**
3. The above manuals are available with latest amendment on website of Ministry of Finance, Govt of India. The same can be downloaded from the [www. Finmin.nic.in/](http://www.Finmin.nic.in/).
4. If you are in a position to quote for Dry dock repair and maintenance of FBOP SP Durga in accordance with the requirements stated in the attached schedule to tender, all documents attached herewith should be filled in, signed and submitted through e-procurement site.
5. Public Procurement order (preference to Make in India, 2017) issued by Department of Industrial Policy and Promotion, **Ministry of Commerce & Industry**, Govt. of India, vide their letter dated 15.06.2017 and notification issued by **Ministry of MSME** under section 11 of Micro, Small and Medium Enterprises Development **Act 2006** shall also be taken into consideration in procurement of Goods & services.
6. You are requested to study the tender document completely and ensure all documents and Annexures to the tender are completely and correctly filled in, signed and stamped where applicable and then upload on CPP portal.
7. CPP Portal i.e. eprocure.gov.in is maintained by National Informatics Centre (NIC). **Any technical problem** related to uploading the technical bid by participant bidder will be addressed by NIC and their helpline team. No assistance in any manner will be provided by BSF and no request on this behalf will be entertained for extension of tender as well as for acceptance of hard copy.
8. This Tender is **NOT** transferable.

Sdxxx 21/05/2018

Signature of the tenderer

(G P Joddar)DC/WW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- II
INSTRUCTIONS TO BIDDERS
(This tender set is not transferrable)

Government of India, Ministry of Home Affairs
 OC Water Wing Rajarhat C/O Ftr HQ SB
 Border Security Force
 TX Station Garia, Kolkata-84
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Tender No.WW/Proc/Dry Dock –SP Durga/2018/2118

Dated, the 21 May 2018

For and on behalf of the President of India, the Officer Commanding, Water Wing BSF Rajarhat, TX- Station Garia,Kolkata C/O HQ SB Ftr BSF invites advertise tender enquiry / OTE through online tenders under Two Bid System (Technical and Financial Bid) on the prescribed form, for Dry dock repair of Floating BOP SP Durga as detailed in this schedule to tender:-

SI No.	Description of store	Qty
As per Schedule of Requirement (Chapter-V and QR/TD at chapter VI)		

2. This tender enquiry has the following chapters and appendices:

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3. All tender documents inclusive of NIT, instructions to bidder, special condition, schedule of requirement, QR & TD and all other relevant document are available at e-Procurement site <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download the same and go through in detail. All Tender documents attached with this invitation to tender including the specifications are SACROSANCT for considering any offer as complete offer. It is therefore important that Tender Acceptance Letter which is a written undertaking that all the terms and condition of the tender are understood and accepted should be signed and **submitted only through on line e-Procurement site** <https://eprocure.gov.in/eprocure/app>.

4. Tenderers are advised to carefully go through all the conditions and documents attached with this tender enquiry, before uploading the tender. All tender documents attached with the tender are sacrosanct for considering any offer as a complete offer. **Tenderer are also advise to go through checklist.**

5. Tenderers must ensure that they have gone through with complete tender documents and read thoroughly all terms & conditions, schedule of requirement, tenders QRs/TDs. Tenderer will upload the declaration certificate for the same purpose. All questionnaire alongwith the various forms & annexure will be signed in column & on each page and uploaded with their offer, as it is, without any modification/alteration.

6. In case of any difference between the conditions mentioned in tender enquiry and the specification/QRs, the condition given in the specifications will be binding.

7. Each tenderer can quote product/products of one OEM only.

8. Name of Stores : Dry Docking & Repairs of Floating BOP SP Durga

9. Earnest Money : Rs.5,81,500/-

CRITICAL DATE SHEET

10. Date of publication on website : at 1510 hrs on dated 22/05/2018.

11. Document download start Date : at 1000 hrs on dated 23/05/2018

12. Document download end Date : at 1000 hrs on dated 07/06/2018

13. Seek Clarification start Date : at 1100 hrs on dated 08/06/2018

14. (a) Seek Clarification End Date : at 1510 hrs on dated 11/06/2018

(b) Pre bid date & time : at 1200 hrs on dated 12/06/2018

15. (a) Bid Submission Start Date : at 1200 hrs on dated 20/06/2018

(b) Bid Submission End Date : at 1510 hrs on dated 26/06/2018

16. Bid opening date : at 1100 hrs on dated **28/06/2018**

17.	The Purchaser	:	The President of India
18.	Inspection Authority	:	<p>a) Officer Commanding (WW) BSF Rajarhat C/O HQ SB Ftr BSF and IRS (Indian Register of Shipping).</p> <p>b) It will be the responsibility of the contractor/tenderer to invite IRS surveyor for initial inspection as well as subsequent inspections till the satisfactory completion of all works contained in the work package and to intimate all concerned with minimum 10 days reaction time.</p> <p>c) All the inspection charges of the IRS or any other classified Agency till the delivery of the completed project will be borne by the Tenderer.</p>
19.	Inspection Officer	:	Board of Officers of BSF
20.	Stores Required at (Consignee)	:	Dry dock place
21.	Delivery Period	:	<p>(a) Dry Dock repair should be completed within 06 (Six) months from the date of issue of AT/work order, this includes shifting of floating BOP from Hasnabad to Dry Dock site and Back to Hasnabad after completion of repair work.</p> <p>(b) BSF reserves the right to extend this date as per merit.</p>
22.	Place of Procedure & Submission of EMD etc	:	Kolkata (West Bengal)
	Original payment instrument in respect of EMD, duly completed in all respects is to be submitted at Office of the OC Water Wing Rajarhat, TX- Station, Garia, Kolkata-84 by 28/06/2018 upto 1000 hrs. The copy of this documents must be uploaded alongwith technical bids by the bidders for transparency. Late/Delayed/Non submission of originals would result in rejection of bid during online bid opening. Hard copy of bids will not be accepted.		
23.	<u>Form of Earnest Money Deposit (EMD):</u>		
	The EMD having validity of 45 days beyond the final bid validity period be deposited in the following form only: Bid/ offer validity is 12 months from the date of tender opening.		
	23.1	Fixed Deposit Receipt, drawn in favour of Officer Commanding, Water Wing, BSF, Rajarhat.	
	23.2	An irrevocable Bank Guarantee (BG) of any Indian Nationalized/Scheduled Bank in Indian Rupees, in the format supplied with the tender.	
24.	<u>Bid/ Offer Validity:-</u>		
	12 months (365 Days) from date of tender opening. In the absence of any indication in the tender documents submitted, of the date upto which the offer has been kept valid, it will be taken that the offer will remain open for acceptance for the period specified in the schedule to tender		
25.	<u>Extension of Bid validity & Earnest Money :-</u>		

	If the validity of the tender is extended, the validity of the Bid & Earnest Money will also have to be suitably extended by the tenderer failing which their tender shall not be considered by the purchaser after the expiry of the aforesaid period.	
26.	<u>Clarification on Specifications/QR:-</u>	
	No such requests will be entertained by the purchaser after clarification end date	
27.	<u>Right of Bidders :-</u>	
	Bidder can ask in writing about bidding condition, bidding process and / or rejection of their bid. The reasons for rejecting a tender or non issuing of tender document to prospective bidder must be disclosed where enquiries are made by the bidder.	
28.	<u>Currency of Bidding :-</u>	
	Bidders are to quote in Indian Rupee (INR) only.	
29.	<u>Submission of the proposal in TWO BID SYSTEM:</u>	
	All bidders are required to submit their offers in two bid. The details is as under:-	
29.1	<u>TECHNICAL BID:-</u> It must contain the following:	
	29.1.1	Tender documents duly completed and signed but without indicating the rate quoted(Scanned copy)
	29.1.2	Earnest Money in given schedule format or copies of MSME registration certificates for subject store with monetary limit, if any(Scanned copy).
	29.1.3	The technical details of the models offered along with the supporting original technical literature, leaflets, brochures etc
	29.1.4	Clause by clause compliance to specifications
	29.1.5	Details of warranty/terms and conditions, arrangements for after sale service in India and free training arrangement for users.
	29.1.6	All forms & annexure of T.E. duly filled and signed by the bidder
29.2	<u>COMMERCIAL BID:-</u>	
	29.2.1	Tenderers should submit price bid(BOQ)Filled as per format available in Appendix-9 of Chapter-IX and upload the same on CPP Portal http://eprocure.gov.in/eprocure/app .
	29.2.2	The tenderer should give break up of their prices in terms of Basic price, Custom duty, any other tax & applicable GST.
	29.2.3	The firm will provide frozen rate list of required spare parts (MRLS) for 5 years after the warranty period separately.
	29.2.4	Firm will submit no profiting certificate as explained in Article 171" (in PDF). GST
30.	<u>Evaluation of the Proposal :-</u>	

	A two stage procedure will normally be adopted:-	
	30.1	Stage-I: Offer of the firm will be initially examined in accordance to the eligibility criteria of bidder, availability of uploaded complete tender documents alongwith essential forms & annexure duly filled and signed. Suitable EMD or exemption certificate thereof.
		30.1.1 Evaluation of Technical Bids and method of Functional Demonstration/ Physical evaluation of the stores to assess their suitability against the laid down QR's/TDs

30.1.2 The purchaser reserves the right to decide upon the methodology / method of trial for Technical Evaluation cum physical trial.

As and when called by the trial board of the purchaser detailed for the Evaluation cum physical trial, the tenderer will have to give such functional demonstration as per Schedule of Requirement on **no cost no commitment basis** at a location specified by the purchaser. It will be tenderers responsibility to submit the samples on the appointed date, time and place. Purchaser reserves the right to extend the date & time of above functional evaluation as per merit.

30.1.3 In case of imported stores, no assistance, except providing End User Certificate if necessary, and certificate that equipment has been called for trials by BSF in response to tender will be provided by the purchaser.

30.1.4 The tenderers will have to obtain import license/permission/NOC etc. from concern authority / Collector of Customs etc.

30.1.5 The consignment will have to be cleared from customs etc. by the firm/their representative & deposited at specified location as intimated by BSF. **No requests in any manner shall be entertained in this regard.**

30.1.6 **Tenderers must ensure that they enclose all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment being offered against the QRs/specifications.**

30.1.7 In case it is not possible to verify compliance of equipment offered due to lack of adequate documents no reference will be made to tenderer & the bid will not be considered further.

30.1.8 **Technical evaluation will be conducted after opening of tender as per option of Tender terms.**

30.1.9 **In case of any ambiguity competent authority reserve the right for re-trial of the same subject to recommendation of TAC based on necessity on material ground.**

30.2 **Stage-II:- Financial Evaluation**

30.2.1 The price bids of only those firms will be opened whose offers are complete as per schedule of requirement have been found meeting the all parameters of QR's/TDs. The Price Bid will be evaluated accordingly.

- 30.2.2 Successful bidder will be evaluated on the basis of net lowest cost to the Govt.
- 30.2.3 To provide level play field, the evaluation of commercial bids shall be carried out among all category bidders, OEM from SEZ/EOUs and other indigenous OEM. The applicable custom duty & IGST/GST payable shall be added on basic price of each unit.

		30.2.4	Ranking for consideration Lowest one (L-1) will be decided on the basis of DDP(Delivered Duty Paid) cost per unit or delivery to consignee basis. It is clarified that commercial bid of Indian distributor of Foreign OEM, Indian manufactures & their authorized distributor, Indian SEZ manufacture and Indian System Integrator will be compared on the basis of DDP cost per Unit only.
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31. **Criteria for awarding the contract :-**

Evaluation of successful L-1 bidder will be based on eligibility criteria, qualification criteria, QR compliant equipment / store and L-1 price.

32. **Compliance Statement:-**

The firms must submit/upload compliance statement in the format given in **Chapter VI** along with technical bid failing which their offer will be treated as incomplete and is liable to be ignored.

33. **Trial Equipment :-**

Not Required at the time of tender opening. However the same is required within dry dock repair from intimated by BSF Board for technical evaluation cum trial before trial board detailed by BSF on NCNC (no cost no commitment) basis..

34. **Pre Delivery Inspection(PDI) after dry dock: -**

34.1 Inspection Procedure

34.1.1 Prior intimation to be given to BSF at the time of inspection of vessels. On completion of every job, trials are to be carried out in the presence of BSF/IRS and defects, if any is to be rectified prior to completion of full power trials.

34.1.2 All jobs are to be completed to the entire satisfaction of the BSF/IRS and necessary completion certificate to be provided under signature of IRS.

34.1.3 On satisfactory completion of all work, a full power trial will be conducted in presence of BSF and IRS representatives and defects, if any would be attended by the firm, prior to final acceptance of vessel.

- 34.1.4 On inspection and tests of the vessel , inspection reports will be prepared and signed jointly by the detailed Inspection Board and the IRS surveyor. The report on inspection of Vessel and machinery at site would be made jointly with the detailed BSF Inspection Board and IRS surveyor and signed.
- 34.1.5 Pre-delivery inspection of Vessel and equipment will be carried out after dry dock repair at the Dry dock place only. The tender specification shall be complete in all respects.
- 34.1.6 Necessary fuel shall be provided by BSF for to and fro journey from Hasnabad to work place.
- 34.1.7 Pol will be provided by the firm during various tests and trials.
- 34.1.8 The inspection would be carried out in accordance with the Tender/AT.

35. **Terms of Delivery & Dispatch Instructions:-**

- 35.1 **The tenderer shall intimate to the consignee regarding conducting of IRS survey, by telex or fax and speed post in advance 10 working days.**

36. **Payment terms**

- 36.1 **Stage payment for dry dock repair would be permissible to the firm as follows :-**

- 1st Stage - Completion of docking, submission of USG report and all under water inspection of the FBOP.
30 %
- 2nd Stage - On submission of final bills after final undocking completion of all under water repair work, satisfactory completion of basin trials, harbour trials of all machinery /equipment's successful full power trials and handing over the vessel to BSF duly surveyed by the BSF BOOs alongwith IRS representative.
70%

36.2 **Note**

- 36.2.1 To claim stage wise payment, the firm is required to deposit Bank Guarantee of equal amount of the bill i.e for 1st stage bill which will be valid upto one month after the expiry of delivery period. The Bank Guarantee would be released after the vessel is handed over to BSF after successful completion of the work..

36.2.2 Revised amount if any, would be payable only with final stage payment.

37. **Mode of Payment:-** Payment will be made through “e-payment” for which duly completed proforma has to be submitted.

38. **Purchase/ Price Preference Clause:** The Purchaser preference will be given in accordance to **Rule 153 of GFR 2017** and **clause 1.10.4 of Chapter. I** of Manual for procurement of Goods 2017, Ministry of Finance, Department of Expenditure(GOI) and **MSMED Act 2006** and **Public procurement order** (Preference to Make in India) 2017 issued by Department of Industrial Policy and Promotion letter dated 15.06.2017.

38.1 The brief of price preference as mentioned in clause 1.10.4 of Chapter. I of Manual for procurement of Goods 2017, Ministry of Finance, Department of Expenditure(GOI) to be followed is as under :-

38.1.1 In tender, participating Micro and Small Enterprises (MSE) quoting price within price band of L1+15(fifteen) percent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply upto 20(twenty) percent of total tendered value. The 20(twenty)percent quantity is to be distributed proportionately among these bidders, in case there are more than one MSEs within such price band.

38.1.2 Within 20%(Twenty percent) quantity, a purchase preference of four percent (that is, 20(twenty) percent out of 20(twenty)percent) is reserved for MSEs owned by Scheduled Caste(SC)/ Scheduled Tribe(ST) entrepreneurs (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ST MSE to participate in tender process or meet tender requirements and L1 price, four percent sub-target shall be met from other MSE. MSEs would be treated as owned by SC/ST entrepreneurs.

38.2 The brief of Public Procurement order 2017 (Preference to Make in India) issued by Ministry of Commerce & Industry dated 15.6.2017, to be followed is as under:-

38.2.1 Purchase preference shall be given to local supplier in all procurement undertaken by procuring entities in the manner specified here as under ;-

(i) In procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the

estimated value of procurement of such goods is more than Rs. 50 lakhs, the provisions of sub-paragraph (ii) or (iii) as the case may be, shall apply.

- (ii) In the procurements of goods which are not covered by paragraph (a) and which are divisible in nature, the following procedure shall be followed :-
 - (a) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will awarded to L1.
 - (b) If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- (iii) In procurements of goods not covered by sub-paragraph (i) and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed :
 - (a) Among all qualified bids, the lowest bid will be termed as L1, is from a local supplier, the contract will be awarded to L1.
 - (b) If L1 is not a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

- (c) In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

38.2.2 **Exemption of small purchases**:- Notwithstanding anything contained in paragraph (i) to (iii) procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.

38.2.3 **Minimum local content** : The minimum local content shall **ordinarily be 50%**. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.

38.2.4 **Margin of Purchase Preference**: The margin of purchase preference shall be **20%**.

38.2.5 **Verification of local content** :

- (i) The local supplier at the time of tender, bidding or solicitation shall be required to provide self certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- (ii) False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of General Financial Rules for which a bidder or its successors can be debarred for upto two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

- (iii) A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities in the manner prescribed under paragraph (38.2.5) *ibid*.

39. **Security Deposit:**

The successful tenderer will be required to furnish Security Deposit @ 10% of the contract value within 30 days of award of contract, for the due performance of the contract. Failure on the part of the supplier to deposit the security deposit within the stipulated time will make the order null & void.

40. **Guarantee/Warranty Terms:**

If not specified in QRs/Specification **minimum One Year Warranty** required. Warranty period will start from the date of hand over the Vessel.

As per the guidelines given in directive manuals mentioned in Chapter-II of T.E., as amended till date, along with provisions of Conditions of tender/contract attached will be applicable. In case stores/part of stores are found defective/damaged during inspection after delivery to consignee, the suppliers will replace or repair the store under warranty at consignee's location free of cost.

41. **Training:**

The tenderers shall provide free training to the user at the time of installation/ commission/ issue of stores to users, as appropriate for a minimum period of one week at the consignees/users location as specified by the purchaser.

42. **A complete list of service centres & customer helpline number in India, along with details of technical personnel manning the service centres must also be uploaded**

- 42.1 Bidders to submit details of test equipment required for undertaking repairs by the user
- 42.2 Bidders to submit details of SMT (Special maintenance Tools) and STE (Special Testing Equipment for undertaking repairs by the users).

43. **Performance Bond**

- 43.1 All successful tenderers against the Tender Enquiry **irrespective of their registration status** with MSME shall be required to furnish performance security bond valid upto the laid down period given in the A/T
- 43.2 The successful tenderer will have to submit a Performance Guarantee/ Warranty Bond equivalent to 10% of the Contract / Order value, valid till two months after the expiry of the Warranty/ Guarantee period in the shape of a Bank Guarantee in the required proforma which will be supplied along with the AT.
- 43.3 The Performance Guarantee / Warranty Bond will come into force after the receipt and final acceptance of the stores. Final Acceptance will be from the date of acceptance of the inspection report of JRI.

43.4 Firms will have to direct their banker to extend the Performance bond to be valid till two months after the expiry of Warranty/ Guarantee Period, if required. Where the Performance Bank Guarantee is obtained by a foreign bank, it shall be got confirmed by a Scheduled Indian Bank and shall be governed by Indian laws and be subject to the jurisdiction of courts of the place of issue of the Acceptance of Tender (AT).

44. **Tolerance Clause:**

The purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted by them at the time of placement of contract or during the currency of the contract. In accordance to clause 9.3 of Manual for procurement Goods 2017, MOF.

45. **Liquidated Damages:**

In case the firm does not complete the supply within the delivery period as per contract, action will be taken against the firm as per Clause 9.7.9, 9.7.10 & 9.7.11 of Manual for procurement goods 2017, MOF. Penalty @ 0.5% per week or part thereof of the contract value shall be levied for delay in completion of work subject to a maximum of 10% in the form of penalty.

46. **Conditions of Contract:**

As contained in Chapter 9 of Manual for procurement goods 2017, MOF and **contained in the GFR 2017, Manual of Ministry of Finance for procurement of goods & all orders issued by MHA, CVC** and other relevant departments of Government of India from time to time.

47. **Jurisdiction & Arbitration:**

This tender and subsequent contract if any are subject to the jurisdiction of Indian Laws and Courts at the place of issue of the Tender. Sole Arbitration is appointed by the DG BSF. For details refer to Clause 9.9.1 and 9.9.2 of Manual for procurement goods 2017, MOF.

The bidding firm has to give a self certificate to the effect that it has not been blacklisted/debarred/suspended by any Central Ministry/Department, State Govt., PSUs or Banks etc. The certificate has to be scanned and uploaded alongwith the tender documents. If it is subsequently established or found that the bidding firm has given any false information or facts or has suppressed facts of manipulated the documents etc, the earnest money deposit or the performance security deposit, as the case may be, will be forfeited and no excuse what so ever will be entertained therefore.

48. **No bidding firm** will be allowed to withdraw its bids after technical bids have been opened. If any firm intends to withdraw after opening of technical bids, its EMD will be forfeited.

49. If after award of the contract, the successful bidder(L1) fails to provide required number of tendered stores, the contract is liable to be cancelled alongwith forfeiture of performance security deposit and other consequential actions such as blacklisting of the firm etc.

50. **The purchaser reserves the right to increase or decrease the quantity of the stores at any stage or to cancel or reject any/all of the tendered requirement without assigning any reasons.**

51. For any change in terms and condition of tender/tender specifications, the Tenderers are requested to visit CPP e-Procurement site <https://eprocure.gov.in/eprocure/app> regularly.

Sdxxx 21/05/2018

Signature of the tenderer

(G P Joddar)DC/WW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- III

Instruction for online Bid Submission

Instructions to the Bidders to submit the bids online through' the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>

- 1) Possession of valid Digital Signature Certificate (DSC) and enrolment/registration of the contractors/bidders on the e-Procurement/e-tender portal is a prerequisite for e-tendering.
- 2) Bidder should do the enrolment in the e-Procurement site using the "Click to Enroll" option available on the home page. Portal enrollment is generally free of charge. During enrolment/registration, the bidders should provide the correct/true information including valid e-mail ID. All the correspondence shall be made directly with the contractors/bidders through e-mail ID provided. Bidder need to login to the site through' their user ID / password chosen during enrollment / registration.
- 3) Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/TCS/nCode/ eMudra or any Certifying Authority recognized by CCA India on eToken/ SmartCard, should be registered.
- 4) The DSC that is registered only should be used by the bidder and should ensure safety of the same.
- 5) Contractor/Bidder may go through the tenders published on the site and download the required tender documents/schedules for the tenders he/she is interested. After downloading / getting the tender document/schedules, the Bidder should go through' them carefully and then submit the documents as asked, otherwise bid will be rejected.
- 6) If there are any clarifications, this may be obtained online through' the tender site, or through' the contact details. Bidder should take into account the corrigendum published before submitting the bids online.
- 7) Bidder then logs into the site through the secured log in by giving the user id/password chosen during enrolment/registration and then by giving the password of the e-Token/ SmartCard to access DSC.
- 8) Bidder selects the tender which he/she is interested in by using the search option & then moves it to the 'my tenders' folder. From my tender folder, he selects the tender to view all the details indicated.
- 9) It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the bid will be rejected.
- 10) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/xls/rar/zip formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, if permitted. Bidders Bid documents may be scanned with 100 dpi with 12 black and white option. However of the file size is less than 1 MB the transaction uploading time will be very fast.
- 11) If there are any clarifications, this may be obtained through the site, or during the pre-bid meeting if any. Bidder should take into account the corrigendum published from time to time before submitting the online bids.

- 12) The Bidders can update well in advance, the documents such as certificates, annual report details etc., under My Space option and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission Process faster by reducing upload time of bids.
- 13) Bidder should submit the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. Scanned copy of the instrument should be uploaded as part of the offer.
- 14) While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
- 15) The bidder has to select the payment option as offline to pay the EMD as applicable and enter details of the instruments.
- 16) The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bid will not be acceptable.
- 17) The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the tender requirements. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
- 18) Tenderers should fill up price bid as per format available in Appendix-9 of Chapter-VII and upload the BOQ sheet in **CPP Portal <http://eprocure.gov.in/eprocure/app>**
- 19) The bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
- 20) After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the acknowledgement number, given by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and will also act as an entry pass to participate in the bid opening date.
- 21) The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
- 22) All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
- 23) Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 24) The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done.
- 25) The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
- 26) For any queries regarding e-tendering Process, the bidders are requested to contact as provided in the tender document. Parallel for any further queries, the bidders are asked to contact over phone: 033-2282-4819 or send a mail over to ocwwsb@bsf.nic.in .

Sdxxx 21/05/2018

Signature of the tenderer

(G P Joddar)DC/MW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- IV
ELIGIBILITY AND QUALIFICATION CRITERIA

1. **ELIGIBILITY CRITERIA:**

- (a) Only those firms who have carried out dry dock repair works in the past as under are eligible to quote :-.
- (b) The firms should have executed at least 2 Nos dry dock repair of ship/Floating Vessels of 20 Mtr long or more of any Govt/ semi Govt /reputed private firms in last three year. Firm should attach the copies of the work order and satisfactory completion certificate issued by the work order issuing authority.
- (c) Firms should have satisfactory past performance for last three years. Details to be furnished as per Appendix-7
- (d) Decision of BSF on the evaluation of past performance will be final.

2	<u>Qualification criteria:-</u>
	Supplier past performance, experience, technical competence and production capacity of the tendered goods, financial strength to handle the contract successfully and compliance with environmental protection regulation will be taken into account to ascertain the appropriate qualification.
3.	<u>Criteria for determining the responsiveness of bid :-</u>
	All factors will be taken into account for evaluating the bids on common platform and criteria for awarding the contract to responsive and most advantages bidder. If a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

Sd xxx 21/05/2018

(G P Joddar)DC/WW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- V

SCHEDULE OF REQUIREMENT

Tender No.WW/Proc/Dry Dock - SP Durga/2018/2118

Dated, the 21 May , 2018

SCOPE OF REPAIR WORK FOR DRY DOCK REPAIR OF FBOP SP DURGA

S No.	Particulars	Type of work	Offered	Not Offered
(1)	<p>DECK [Deck 01 (Deck House Top), Deck 02 (Wheel House Top), Main Deck and Weather Deck, Lower Deck/Under Deck, AHU Compartment Deck, Aft Deck, Forecastle Deck, Superstructure, ATU compartment deck and Machinery spaces].</p> <p>(I) All Deck plating pitted at various locations. Thickness measurement to be carried out and Renewed as per requisite. Degutting and re-gutting to be under taken as necessary.</p> <p>(II) Decks super structure top strake raised coaming variously wasted at deck level, same to be cropped and Renewed as required.</p> <p>(III) Coaming at various places of Deck 01 and Deck 02 required to be repaired.</p> <p>(IV) Salt water accumulates at various locations at the base of main deck due to shallow deformed surface formed due to rusting. Hence slope should be provided in the plate used for main deck.</p> <p>(v) All Decks and superstructures to be sand blasted and painting to be done with applicable paint Scheme.</p> <p>(vi) AHU trunking deck piece corroded. To be Renewed.</p> <p>(vii) AHU foundation wasted/ holed at several places. To be Renewed.</p> <p>(viii) Wheel house top deck found wasted and undulated .to be cropped and Renewed (approx area 4.6 mtr x42 mtr, 06 mm thickness.</p> <p>(ix) Wheel house stbd side found hole. To be cropped and Renewed. (Appr- 1 Sqr Mtr.)</p> <p>(x) Deck scuppers found wasted variously, to be Renewed.</p> <p>(xi) Bollards - 06 Nos. Bollards of Main Deck found pitted and thinned. To be Renewed as per requisite.</p>	Repair/ Renewal		
(2)	<p>SIDE WALL [Hull Plate (Port & STBD, Fwd , Aft) , Under water hull and side shell, VIP Cabin Side Wall, SO Cabin Side Wall, Wheel House Side Wall, Wall And Foot Plate and Bilge]</p> <p>(i) Thickness measurement of underwater hull and side plate to be under taken. Repair /Renewed to be completed as per thickness measurement report. Degutting and re gutting to be undertaken as necessary.</p> <p>(ii) Thickness measurement of side shell plating to be carried out and repairs to be under taken as per requisite.</p> <p>(iii) Machinery space and bilges are to be thoroughly cleaned, internal structure to be examined.</p> <p>(iv) Inspect sacrificial anodes fitted to under water hull, rudder, inlets, outlets, sea tubes, void spaces renew those consumed more than specified limit.</p> <p>(v) Ship side (Port & STBD) and Weather Deck scuppers found wasted, to be Renewed as per requisite.</p> <p>(vi) Ship side to be sand blasted and painting to be done with mandatory paint scheme.</p>	Repair/ Renewal		

	(vii) Side light (P&S) foundation wasted, to be Renewed . deck beneath foundation to be examined and repaired as necessary. (viii) Check condition of UW hull paint and renew as necessary with applicable paints scheme, (ix) Painting is required to be done as per appropriate paint scheme mentioned at Appendix-I)			
(3)	Ship Side – 1. Doubler found fitted on wind & water strake, same to be cropped and Renewed 2. Deck scuppers found wasted variously, to be Renewed. 3. Vessel name on both side near bow to be Renewed 4. Border security force along with logo required to print in bold letter at middle of side wall of vessel.	Renewal		
(4)	BOTTOM PLATE- [Thickness gauging of bottom should be carried out and renew as per requisite]	Repair/ Renewal		
(5)	STORES / CABINS [Buson store, Provision Store, Kote /Magazine Store, Deep Freezer Room, Galley, SO'S Dining Hall, OR'S Dining Hall, Jawan Toilets, Jawan Cabin, Engine Room, Officer dining Hall, VIP /Captain /SOs cabin] (i) Thickness measurement of Accommodation spaces, Dinning spaces, and Bathrooms to be under taken. Repair /Renewed to be completed as per thickness measurement report. Degutting and re gutting to be undertaken as necessary. (ii) De rusting of stores/cabins should be done and to be painted with appropriate paint scheme (iii) Underlay and linoleum sheet area found cracked and uprooted. TM to be carried out and deck to be Renewed as per requisite. Underlay and linoleum sheet to be re-laid. (iv) Bathroom floor tiles (approx. 4'x4') to be removed for sample survey and thickness measurement to be carried out and Renewed as per requisite. (v) Galley floor tiles (approx. 4'x4') to be removed for sample survey and thickness measurement to be carried out Renewed as per requisite. (vi) Furniture of all cabin required to be polished and repaired / Renewed if required. (vii) Painting inside the cabins required to be carried out.	Repair/ Renewal		
(6)	ENGINE [Main Engine PORT side, Main Engine STBD side, DG Set Port, DG Set STBD and DD Fire Pump Engine] Main Engine Port and STBD side found completed more than 6009 & 6172 Run Hours. Periodic checks of main engines and its system to be carried out as per OEMs recommendation. Complete overhauling and other maintenance of main engine and its all accessories/safety equipment to be carried out as per run Hrs/Time period completed at the time of Dry dock as per engine manufacturer's recommended standard. On completion of repair operational trials and safety checks must be carried out.	Repair/ Overhaul		
7	ENGINE :Radiator of Main Engine (Port and STBD) clogged, fins deteriorated to be Renewed.	Renewal		
8	ENGINE : Auxiliary Engine Port and STBD found completed more than 19348 & 24543 running hours respectively. Periodic checks of Aux. engines and its system to be carried out as per OEMs recommendation. Complete overhauling and other maintenance of main engine and its all	Repair/ Overhaul		

	accessories/safety equipment to be carried out as per run Hrs/Time period completed at the time of Dry dock as per engine manufacturer's recommended standard. On completion of repair operational trials and safety checks must be carried out.			
9	ENGINE : Un-expected vibration during running of DG set is required to be rectified.	Repair		
10	ENGINE : Aux. Generators cooling line to be pressure tested. Repairs to be undertaken as necessary.	Repair		
11	ENGINE : DD fire pump found completed 441 running hours respectively. Complete overhauling and other maintenance and its system to be carried out as per run Hrs/Time period completed at the time of Dry dock repair, as per manufacturer recommendation. On completion of repair, operational trials and safety checks to be carried	Repair/ Overhaul		
12	ENGINE : All engines and mounting area along with upper cover of main engine be painted with prescribed paint Scheme.	Renewal		
13	HOLLAND ROER PROPELLER UNIT (P &S) AND STEERING GEAR [PORT Side Main Engine HRP Unit, STBD Side Main Engine HRP Unit, Remote control/steering system] (i) Periodic inspection and overhauling of the HRP and its equipment's are to be carried out as per original equipment manufacturers (OEM) recommendations. On completion of repairs, operation trials to be carried out. (ii) HRP unit cover corroded at base, same to be Renewed. (iii) All main and auxiliary steering arrangement, associated equipment's and control system of HRP system to be examined and overhauled as per OEM recommendations. On completion of repairs, operation trials to be carried out. (iv) Serviceability check of main engine remote control system to be done and necessary repairs to be undertaken. Trails of system to be proved. (v) Oil leakage from lower gear unit of HRP system in port side required to be repaired. (vi) HRP shaft of STBD side required to be aligned.	Repair /Renewal /Overhaul -ing		
14	PROPULSION UNIT : Universal joint cross of propeller shaft of both main engine (Port & Stbd) required to be repaired/Renewed.	Repair/ Renewal		
15	ALTERNATOR [Port Side DG SET Alternator, STBD Side DG Set Alternator] (i) Complete overhauling and other maintenance of alternator and its system is required to be carried out for their proper function/working. (ii) Power output, frequency, voltage of alternator must be checked and rectify if any defect found.	Repair/ Overhaul ing		
16	MOTOR [Fire/Bilge Pump Motor (P & S), Domestic Fresh Water Pump Motor (P &S), Sea Water Pump Motor-(P &S), Fuel Transfer Motor, Sewage Pump Motor (P & S), Wench Motors For Anchor (P & S, AFT), Davit Motor (02 No's. Each at P&S), Wiper Motor (04 No's.), Exhaust motor of galley, Engine Room Blower (02 No's.), AFT peak tanks exhaust blower]. (i) Complete overhauling/servicing to be carried out for their proper function. (ii) Painting of all motors are required to be done with appropriate colours along with specified paint (iii) Engine room exhaust fan's sealing/ gasket, wasted, to be Renewed. (iv) Engine room exhaust fan motor making noise same to be serviced.	Repair/ Overhaul/ Renewal		

17	<p>PUMPS [Blige/Fire Pump (P&S)-4 Nos, Domestic Fresh Water Pump(P &S)-04 Nos, Sea Water Pump (P &S)-04 Nos, Fuel Transfer Pump-01 No, Sewage Pump (P &S), Wiper Rotary mechanism unit, DD Fire Pump Unit, Semi rotary double acting hand pump , DG Set Fresh Water Pump -02 Nos, Main engine Fresh water Pump-02 Nos]</p> <p>(i) Pumps to be examined in dismantled condition and overhauling/ servicing to be undertaken as necessarily and trail to be completed</p> <p>(ii) Operation trial of fire pump to be carried out including self-priming function.</p> <p>(iii) Painting of all pumps is required to be done with appropriate colours along with specified paint.</p> <p>(iv) Suction and delivery line vacuum and pressure gauges of pumps not working properly required to be Renewed.</p> <p>(v) Semi rotary double acting hand pump (02 nos.) of forepeak and aft peak compt not working. Same to be repaired & operational trail of pump to be carried out.</p>	Repair/ Renewal/ overhauling		
18	<p>TANKS [Fresh Water Tank (02 Nos.Each at Port (Fr 38-57 & 57-65)and STBD side (fr 38-57 & 57-65), Fuel/ Water Lines, HSD Tank -02 Nos Port-(fr 23-28) and STBD (fr-23-28), Petrol Tank (C) –fr 1-4 –01 No, Main Engine Service Tank (P &S) - 02 Nos, Both DG Set Service Tank (P &S) - 02 Nos, Sewage Tank - 01 No(C)-fr-38-50, Void Tanks -03 Nos (STBD – fr-23-38), Port-fr23-38), C-Fr 38-57), Decantation Tanks -02 Nos, AFT peak tanks (incl. propeller well), Sintex plastic tanks 02 No's]</p> <p>(i) Tanks/ void spaces to be thoroughly cleaned and examination of internal frame and thickness measurement (TM) to be carried out. Repairs to be undertaken as per recommendation of TM reports and preservation coating to be restored.</p> <p>(ii) All fuel/water lines and tanks required to be painted with specified paint as per painting scheme, mentioned at Appendix-I) except fuel tank.</p> <p>(iii) One raised type main hole to be provided in jawan's bathroom for entry into void space.</p> <p>(iv) Fuel tank must be cleaned properly</p> <p>(v) Thickness of sewage tank base plate may be doubled to provide additional safety.</p> <p>(vi) Waster striker plates below filling /suction pipes of all tanks to be Renewed.</p> <p>(vi) Sintex plastic tanks 02 No's required to be cleaned, serviced or Renewed if needed</p>	Repair/ Renewal		
19	<p>SEWAGE SYSTEM</p> <p>(i) Alarm system of the sewage system to be repaired</p> <p>(ii) Sewage pump foundation wasted, mosaic cracked. Foundation and mosaic to be Renewed.</p>	Repair Renewal		
20	<p>SIDE SCUTTLES AND WINDOWS :</p> <p>Ship side scuttles glass (03 No's) required to be cleaned.</p>	Renewal		
21	Shipside scuttles rubber lining cracked to be replaced at various places	Renewal		
22	Two fixed windows (port and stbd) to be replaced with open able type W.T. windows.	Renewal		
23	Super structure windows rubber lining of VIP cabin, captains room, SO's cabin (Port & STBD side)	Renewal		
24	<p>WT DOORS AND HATCHES Water tight hatches (MS) rubber gasket channel corroded/ holed and rubber gasket cracked of following location Hatch to be repaired and rubber gasket Renewed. Toggles to be eased. Weather tightness to be proved.</p> <p>i) Forepeak compartment.</p> <p>ii) Alleyway companion hatch</p> <p>iii) Jawan's accommodation hatch</p> <p>iv) Auxiliary Engine Room Hatch</p>	Repair		
25	Watertight doors (MS) rubber gasket channel corroded/ holed and rubber gasket cracked at following location. Doors to be repaired and rubber gasket	Repair		

	Renewed. Toggles to be eased and rubber gasket to be Renewed. Weather tightness to be proved. i) AHU Compartment door ii) Auxiliary Engine Room iii) Main Deck lobby door (Port) iv) Main Deck Lobby door (STBD)			
26	HRP engines (port and stbd) compartment door found wasted /holed. to be repaired and weather tightness to be proved.	Repair		
27	12 nos. Fixed type portholes found wasted to be Renewed.	Renewal		
28	QCV box flap hinges broken, to be Renewed.	Renewal		
29	Wasted rubber of open able type windows of wheel house to be Renewed.	Renewal		
30	Weather Deck hatches clips and locking hasp & staple jammed, to be repaired.	Repair		
31	Hatch open position retainers and stand wasted to be renew	Renewal		
32	Door of wheel house required to be repaired or Renewed. Jawan's Accommodation hatch coaming holed, Coaming to be Renewed as necessary	Renewal		
33	SANITARY DISCHARGES AND VALVES : Sanitary system pipe approx length 35 meter to be dismantled and required to be Renewed/chemically cleaned and pressure tested.	Renewal		
34	All Washbasin and taps of Jawan's bathroom wasted. To be Renewed. (Qty 04 No's).	Renewal		
35	Washbasin holding brackets of VIP/Captain/SOs cabin is required to be proper fitting.	Renewal		
36	Officers Mess, SO's Mess and Jawan's dining hall wash basin required to spotless	Renewal		
37	Emergency suction line to be provided from sewage holding tank.	Renewal		
38	Additional sewage discharge pump alongwith associated piping and controls to be installed for discharge of sewage.	Renewal		
39	All water tapes installed in vessel is required to be repair/renew.	Renewal		
40	Fresh water pipe wasted on wheel house deck, to be renew.	Renewal		
41	Jawan bath room following work to be completed:- i) Flush valve and lines of WCs corroded/holed. To be renew (05 No's.) ii) Partition bulkheads corroded/wasted. To be Renewed. iii) Showers, FW line, valve corroded/wasted. To be Renewed. iv) Crew toilet WC doors (06 No's) perished. To be repaired /Renewed. v). Mirrors of all bath rooms to be Renewed.	Renewal		
42	Wasted partition bulkheads to be Renewed.	Renewal		
43	Bathroom panelling of 02 No's. SO's cabin, VIP and Captain cabin cracked, to be Renewed.	Renewal		

44	VENTILATION SYSTEM : At following location ventilation flaps on weather deck wasted, closing butterfly bolts and nuts wasted and jammed, rubber gasket hardened, retainer hooks perished, same to be Renewed: i) Auxiliary Engine Room (03 No's) ii) Galley iii) Officer's /SOs/captain and jawan's cabin iv) Magazine/ Kote v) Buson store vi) Petrol Compartment vii) Bath Rooms viii) AHU intake	Renewal		
45	Crew bathrooms & galley louvers cracked and broken. To be replaced (appx. 08 nos.)	Renewal		
46	Toilet, galley exhaust fan motor be overhauled.	Repair		
47	AHU compartment air intake louvers and flap wasted .to be Renewed.	Renewal		
48	AHU trunking deck piece wasted and holed. to be repaired.	Repair		
49	AHU foundation water, to be cropped and Renewed.	Renewal		
50	Grease filter of galley exhaust wasted. To be Renewed (Material – SS wire mesh and frame (Qty-04 No's)	Renewal		
51	VIP cabin and SOs cabin toilet, galley exhaust fan not working to be repaired.	Repair		
52	ANCHORING AND MOORING EQUIPMENT : Anchor wire rope (port, Stbd & Aft) to be Renewed (approx length 55 mtrs each, 19 mm dia .EFSWR. Accessories to be examined for wear & tear. To be Renewed if found worn out beyond permissible limit.	Renewal		
53	Serviceability check of electromagnetic and Mechanical brake of anchor winch (port & stbd and aft) to be carried out and Renewed if necessary.	Renewal		
54	Brake lining of FWD (P&S) and Aft winch to be examined and Renewed if necessary.	Renewal		
55	Anchor wire ropes thimble eyes (port & stbd) cramping perished. To be repaired.	Repair		
56	Anchor rollers (port &stbd) found wasted. To be Renewed.	Renewal		
57	PORT & STBD windlass foundation found wasted . Foundation to be Renewed.	Renewal		
58	Anchor stowage cradle (03 Nos) found wasted to be Renewed	Renewal		
59	Anchor stowage foundation (fwd anchors) wasted. To be Renewed	Renewal		
60	Three anchor strops perished, to be manufactured.	Renewal		
61	Anchor winches (port, Stbd and Aft) to be removed from foundation. Foundation to be chipped and cleaned. Renewed to be undertaken as necessary and winches to be fitted.	Renewal		
62	Anchor weight of (stbd, port and Aft) are required to checked and may be Renewed if necessary .	Renewal		
63	Painting of anchors and their attached parts are required to be carried with appropriate paints.	Renewal		
64	GUARD RAILS :EFSWR rope of Guard rails on main deck, Deck -02 and Deck- 01 wasted, to be Renewed with properly cramped ends.	Renewal		
65	Guard rails supporting hollow pipes of Main Deck, Deck -02 and Deck-01 are required to be Renewed.	Renewal		

66	Wasted guardrail stanchions to be repaired.	Repair		
67	Weather deck guard rail wire rope perished. To be Renewed. (EFSWR, Length 65 meter, 12mm Dia	Renewal		
68	BOAT DAVITS : Boat davit falls and pendent to be inspected for excessive wear, tear, corrosion and damage. Replace wire if necessarily. Boat slings to be Renewed.	Renewal		
69	Davit arm stowage brackets (04 davits) wasted. Brackets to be Renewed.	Renewal		
70	Boat davit planetary gear wasted guard (02 no's) to be repaired.	Repair		
71	Electromagnetic brakes of boat davit (4 Nos) not holding under load to be repaired.	Repair		
72	Minor Oil leakages found from manual gear box of 04 davits. To be repaired	Repair		
73	All four davit foundation tripping brackets found wasted. Renewed to be undertaken as necessarily	Renewal		
74	Operational checks of limit switches of boat davits to be carried out and repaired as necessary (04 davits).	Repair		
75	Boat davits to be load tasted to applicable load and operational trail to be completed.	Repair		
76	FPB CRADLE : Boat stowage cradle (04 No's) and neoprene rubber covering found wasted required to be Renewed and painting should be done with appropriate paint.	Renewal		
77	AIR PIPES/SOUNDING PIPES : Air vent pipe, flaps, wire mesh and rubber perished (size-250 mm Dia-10 No's, 50 mm dia.-10 No's, 75 mm dia.-03 no's) and butterfly bolts jammed/ broken. To be repaired/Renewed.	Repair/ Renewal		
78	Air Pipe of sewage stowage tank cracked near 02 deck . to be repaired.	Repair		
79	FO tank mushroom head to be serviced.	Repair		
80	All air vent heads to be overhauled.	Repair		
81	BILGE PUMPING ARRANGEMENT : All mud strainer box to be removed, Cleaned repaired/Renewed and refitted.	Repair/ Renewal		
82	All mud boxes required to be cleaned.	Repair		
83	Pipe lines which are used for cleaning the mud box with help of fire pump to be inspected and Renewed as per requisite.	Renewal		
84	Semi rotary double acting hand pump (02 No's) on weather deck (aft) to be repaired & operational trial of the pump to be shown.	Repair		
85	One rod gear of Deck drainage valve near magazine required to be repaired and operationally proved	Repair		
86	Sea water lines (Bilge, fire, GS system) to be pressure tested and renew as per requisite.	Renewal		
87	Sea chest clearing lines to be removed cleaned and pressure tested .Renew if necessary.	Renewal		
88	Pressure testing of bilge system piping to be carried out. Repairs to be undertaken as necessary.	Repair		
89	DG set (P&S) sea water cooling line wasted to be Renewed.	Renewal		
90	Pressure testing of fresh water system piping to be carried out. Repairs to undertaken as necessary.	Repair		
91	MACHINERY : Remote control of main engines required to be checked and repaired as necessary	Repair		

92	Suction and delivery line vacuum and pressure gauges of following system not working, required to be Renewed:- i) Domestic Sea water- 04 No's ii) Domestic fresh water -04 No's iii) Fire and Bilge pump -04 No's v) FO Transfer pump -02 No's vi) DG Set Sea water pump--02 No's.	Renewal		
93	Auto cut In/cut off system of domestic fresh water and Sea water tank to be fitted and trial to be shown.	Renewal		
94	LIFE SAVING APPLIANCES (LSA) : LSA checked as per LSA Plan and found following deficiencies :- a) 02 No's life buoy with self-igniting light to be provided b) 02 No's life buoy with self-igniting light and smoke signal to be provided. c) Ship distress signal required to be Renewed. d) Rigid life rafts to be repaired. Life Lines found perished to be Renewed	Renewal		
95	Buoyant apparatus are required to be Renewed at Port and STBD Side.	Renewal		
96	Mechanical foam type fire extinguisher (50 kg) fitted in the engine room to be serviced.	Repair		
97	Life buoys found cracked. New buoys to be provided.	Renewal		
98	Rigid life buoys to be repaired. Life lines to be Renewed.	Renewal		
99	NAVIGATION EQUIPMENTS : GPS unit along with all assy. to be serviced.	Repair		
100	Radar unit along with all assy. to be serviced	Repair		
101	Echo Sounder unit along with assy. is defective and not working, required to be Renewed.	Renewal		
102	Magnetic compass required to be repaired/Renewed if required.	Repair/ Renewal		
103	CENTRAL AC PLANT : According to maintenance record of central AC , it is found that the CMC given to a firm cost lots of money and the performance of central ac after the repair work done by the mechanic team of firm was not up to desired standard, along with this the power load due to central AC of 30 ton capacity on the DG set is very high, so it is suggested to provide alternative air conditioning system like split AC for various cabins instead of central ac system. Details of ACs and their placement with Make and model are as under :- (MAKE/MODEL - Suitable to Marine application) . <ol style="list-style-type: none"> 1. SOs Cabin – 1 Ton (5 Star) – 01 No 2. Captain Cabin-1 Ton (5 Star) – 01 No 3. Officers Dinning hall- 1 Ton (5 star)- 01 No 4. VIP-II – 1 Ton (5 star) -01 No 5. Coy Comdr cabin- 1 Ton (5 star) -01 No 6. Wheel House – 2 Ton (5 star) – 02 Nos 7. Jawan cabin – 2 Ton (5 star) – 02 Nos 8. ORs Dinning Hall – 2 Ton (5 star) -01 No 9. SOs dining Hall – 2 Ton (5 star) -01 No Note – Connecting tubes, evaporator coils (inner unit) and condenser unit tubes (outer unit) of split ACs , must be copper made only.	Renewal		

104	SPLIT AC : All split AC's installed in vessel are required to be serviced and their cooling capacity must be trailed after servicing.	Repair																																																										
105	COMMUNICATION EQUIPMENT Intercom system required to be repaired/servicing.	Repair																																																										
106	All communication sets/system/ communication items including all items installed in wheel house are required to repaired/Renewed if required.	Repair/ Renewal																																																										
107	Valves : Following system valves to be opened up & examined in the dismantled condition. Repair/ renew as applicable.	Repair/ Renewal																																																										
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112	1. Sea chest valve 02 No's. Required to be repaired/Renewed if necessity. Note :- In addition of above, firm must be checked all types of valves which are installed in vessels and necessary servicing/repaired/Renewed required to be carried out.	Repair/ Renewal		
113	FIRE FIGHTING ARRANGEMENT : All portable extinguishers to be serviced and adequate spare charge to be provided.	Repair/ Renewal		
114	Fire hose and their boxes on weather deck and main deck to be Renewed. (04 in no's)	Renewal		
115	Two fire hose box & securing foundation bracket on W/deck found wasted ,to be Renewed.	Renewal		
116	All fire Hydrant to be serviced, rubber seals to be Renewed. (Spare rubber seals to be provided -10 No's.) .	Renewal		
117	Wasted rubber seals of hydrants to be Renewed.	Renewal		
118	Fire main and drain pipe securing brackets on weather and wheel house deck wasted .securing brackets to be Renewed.	Renewal		
119	Fire main system pipes found wasted and temporary repaired variously. Carry out pressure testing of the system lines and repair/renew as necessary.	Renewal		
120	PETROL PUMP Servicing of the petrol pump by competent authorised firm	Repair/ Renewal		
121	ELECTRICAL SYSTEM : Insulation resistance (Megger test) and original equipment manufacturers (OEM) recommended preventive maintenance to be carried out for the following electrical items:- i) All electrical Machinery ii) Power and lighting circuits. iii) Main switch board including safety check iv) Main panels all indicators system and their functioning is required to be checked and repaired/Renewed.	Repair		
122	General alarm audio & visual alarm (80-100 db) not working. To be repaired & proved	Repair		
123	Search lights presently installed have not given proper focusing and same is required to replace with new search light with high quality of focus	Renewal		
124	Serviceability checks and repair of following lights to be carried out as applicable :- i) Navigation light (port and stbd) ii) NUC light. iii) Anchor light iv) Towing light v) Masthead light vi) Side light (Port & STBD)	Repair		
125	Serviceability checks of following batteries to be carried out. Renew as necessary. (a) Main engine starting (Port & STBD) (b) Auxiliary Engine starting (Port & STBD) (c) Emergency Power	Renewal		
126	(FRP) Battery box for signal centre and for emergency batteries to be provided on wheel house deck (size 600 X 450 X 900 mm)- Qty-02 Nos	Renewal		
127	Bunk fans (30 no's.) of Jawan's accommodation defective, to be	Renewal		

	Renewed.			
128	All AC bulbs fitted at vessel required to be replaced with LED bulbs (10 watts)	Renewal		
129	All vessels tube light fitting required to be replaced with CFL framing fitting	Renewal		
130	Auto cut in/cut off of the domestic fresh water tank and sea water tank to be fitted and trails to be shown	Renewal		
131	Galley water cooler is required to be repaired/Renewed.	Renewal		
132	Hot plates of hot plate assembly are required to be replaced with new ones.	Renewal		
133	New aqua guard of 40 personnel capacity is required to instated in galley.	Renewal		
134	Announcing PA equipment/amplifier power supply on off system is required to be installed and repaired /Renewed.	Repair		
135	New wall fans are required to be installed in all store rooms including galley.	Renewal		
136	Load capacity of Step down (2 no's) transformer available in engine room needed to be servicing/repair and load capacity to be checked..	Repair		
137	Control panel DG Set and main engine required to be repaired	Repair		
138	Electric horn/siren not working properly to be repaired /Renewed with increase the sound frequency	Repair		
139	All 24 Volts DC bulbs of vessel are required to be replaced with specified LED DC Bulbs.	Renewal		
140	Two fixed type flood lights to be provided on forecastle deck in front of LMG Mounting post.	Renewal		
141	Refrigerator installed in Galley, VIP Cabin, captain cabin and Jawan dining hall are required to be servicing /Renewed as per requisite.	Renewal		
142	04 no's. Deep freezer to be servicing and their sockets (04 nos.) to be provided of 15 Amps capacity	Repair		
143	Washing machine installed in crew bathroom not in working condition required to be servicing/Renewed if required.	Renewal		
144	Electrical mounting board for deep freezers are required to be repaired/Renewed.	Repair		
145	02 No's. fans in Jawan's dining hall required to servicing/Renewed and 04 no's, new wall fans required to newly installed .	Renewal		
146	One (10 Ltr's capacity) geyser in jawan bathroom required to be repaired and Pipe line to be Renewed.	Repair		
147	Geysers installed in various cabin of FBOP are required to be servicing/Renewed if required	Renewal		
148	03 No's. Wall mounted fans of various accommodation areas defective. Required to be repaired	Repair		
149	Shore connection cable securing reel foundation wasted to be Renewed	Renewal		
150	Shore supply box hinges wasted. To be repaired	Repair		
151	VIP , Captain, SOs and crew toilets exhaust fan /exhaust system required to be repaired.	Repair		
152	All electrical supply wires are required to checked /tested and Renewed if necessity.	Renewal		
153	One Electrical bulb is required to be installed near the STBD side petrol pump	Renewal		
154	MISCELLANEOUS Intercom box on forecastle deck perished to be Renewed	Renewal		

155	Following system pipes found holes and wasted to be Renewed. (i) Sea water system Appx length 20 meter (material : GI Pipe) (ii) Fresh water system Appox length 08 meter (Material : GI Pipe)	Renewal		
156	02 Nos Embarkation/disembarkation ladders wasted. Ladders to be Renewed.	Renewal		
157	Load testing of gangway to be carried out	Renewal		
158	Table top of jawans dinning hall perished , to be Renewed (02 Nos-6’Ft X 2 Ft each)	Renewal		
159	Sofa set of jawans dining hall, VIP cabin and SO cabin to be polished. Upholstery to be changed.	Renewal		
160	Panelling of VIP cabin, master cabin bath room, entrance lobby, officers’ mess and all toilets wasted. To be Renewed (Approx. 600 sq ft).	Renewal		
161	Tables top of jawan s, SO & officer dining hall perished. to be Renewed.	Renewal		
162	Canvas covers of following to be stitched. a) Anchor winch-03 Nos. b) Boat davit motor -04 Nos. c) Anchor winch switch -03 Nos. d) Boat davit switch-04 Nos. e) Magnetic compass-01 No	Renewal		
163	LMG Stand required to be Renewed	Renewal		
164	Foldable mast is required to be fabricated instead of fixed mast	Renewal		
165	Two in no’s. Battery boxes on W/H deck wasted. To be Renewed.(2’x1.5’x 3’ & 4’x 2’x1.5’)	Renewal		
166	Cloth covers of 40 bunk cushions faded/torn. Covers to be Renewed.	Renewal		
167	One washing machine (09 kg) not working, body wasted .to be Renewed.	Renewal		
168	Threaded rubber mats of wheel house torn/perished. To be Renewed Fresh water pipe wasted on wheel house deck, to be Renewed	Renewal		
169	Crew bath room following work to be completed:- i) Flush valve and lines of WCs corroded/holed. To be Renewed (05 No’s.) ii) Partition bulkheads corroded/wasted. To be Renewed. iii) Showers, FW line, valve corroded/wasted. To be Renewed. iv) Crew toilet WC doors (06 No’s) perished. To be repaired /Renewed. v). Mirrors of all bath rooms to be Renewed.	Renewal		
170	Varnishing/polishing of wooden work in following compartment to be done:- i) Officer dining hall ii) VIP and master cabin iii) Crew dining hall	Renewal		
171	Clothes covers of 30 bunk cushion’s faded/torn. Covers to be Renewed.	Renewal		
172	Mortise lock of the SOs and VIP cabin defective, to be Renewed	Renewal		
173	06 in no. bunk cushion of SO’s cabin & VIP cabins torn. To be replaced/Renewed	Repair/ Renewal		
174	09 no’s. Mortise lock of cabin doors defective. To be Renewed.	Repair/ Renewal		
175	New fresh water point along with valve is required to be installed at front of weather deck.	Repair/ Renewal		

176	Jawan bathroom drain is required to be fabricated both side in bathroom	Repair/ Renewal		
177	ANTICIPATED SCOPE OF WORK FOR UNDER WATER/HULL PORTION The firm to chip clean all tank top, bilges of machinery spaces and other accessible internal surfaces of underwater hull up to and including area 500 mm above boot top line and firm to carry out visual survey and repair. Firm to restore the paint scheme.	Repair		
178	The firm shall produce certificate from concerned authorized Govt. agency for carrying out hot work in the vessel as per the requirement of IRS Kolkata	To check & repair		
179	Firm to carry out air and water pressure testing of water-tight compartments and rectify the defects.	Repair		
180	Firm to schedule and present ship to coordinate to conduct post dry docking repair trials one week prior to completion of dry docking repairs to prove the water tightness of WT compartments. Defects, if any to be rectified	To check & repair		
181	Firm to carry out air pressure testing of tanks where structure Renewed has been undertaken	To check & repair		
182	Firm to remove marine fouling from the hull using wooden scrapper by hydro jet-blasting/short blasting or equivalent means.	To check & repair		
183	Firm to scrap and clean under water and boot topping area (including wind and water areas) to remove all loose paint film, rust etc. Wind and water areas to be considered up to 500 mm above boot top. Wind and water area is to be painted with paint as per the paint scheme 100% under water hull to be visually surveyed. Structure graded critical to be surveyed with the help of ultrasonic equipment. Particular attention to be paid to the hull plating in the vicinity of propellers, shaft, brackets fitting up to the rudder head, boot top areas (including wind and water areas), inlets/outlets and areas in the vicinity of keel which rests closely on dock blocks for sign of corrosion and damage i.e. breakdown of paint, dent, pinholes, cracks, etc. Indentation on the shell plating be closely examined taking into consideration the effect on the structural strength and eddy raising current. The permissible limits of distortions/indentation on the plates are to be guided structural Drawings	Servicing/ repair		
184	Excessive areas of breakdown of abrasive anticorrosive paints to be blasted and recoated with full paint scheme. Paint scheme on full underwater hull and boot top including wind and water areas. i.e. area upto 500 mm above boot top area is to be restored after survey and repair.	Repair/ Renewal		
185	Firm to carry out ultrasonic gauging of the area where paint film is deteriorated or signs of corrosion are noticed. Firm to cater for 2000 points of UTG (Ultra Sonic Gauging). In case Hull thickness is reduced by more than 10%, the plate is to be Renewed.	USG check		
186	Firm to check clearness of lower and upper bearings.	To check & repair		
187	Firm to examine Rudder Propeller and Hull plating in the vicinity of Rudder shaft and brackets, Rudder Head and Keel.	To check & repair		
188	Firm to inspect sacrificial anodes fitted to underwater hull, rudders, propeller, inlets and Outlets, Sea tubes, Bilges and void spaces. Renew those consumed 50% or more and clean remaining sacrificial anodes.	To check & repair		

189	Firm to carry out the visual survey of inlets and discharges. Clean and examine grating of inlets and discharges. Examine plating and coating of inlets and discharges and areas adjacent to them. Carry out repairs as required.	To check & repair		
190	Firm to clean and examine minimum 50% of sea tubes for internal corrosion, excessive pitting, cracks etc. Firm to be made functional either by repair or Renewed with the related Guarantee/Warranty as necessary pressure test to be carried out of repaired sea tubes.	To check & repair		
191	All sea chests, main sea suction and over board discharge opening to be examined. Sea tubes removed for repair to be abrasive blasted and coated with solvent free epoxy composition. This is to be followed by one coat of tie-coat and anti-fouling paint system specified for outer bottom of the vessel. Fairing plates laps, welds etc to be faired with Epoxide putty before the first coat of SFE (Solvent Free Epoxy) is dry.	To check & repair		
192	Sea tubes not accessible for preservation by painting to be spray coated with the coat and anti-fouling paint.	To check & repair		
193	Firm to survey under water appendages for roughness and fairness and corrosion, paying particular attention to bracket, eddy plates, bilge keel plate, fin etc. Firm to cater for Renewed of two in numbers bracket/eddy plates.	To check & repair		
194	Firm to check draught marks are in position and carry out painting.	To check & repair		
195	Firm to clean to bare metal all corroded areas and areas of paint failure of underwater appendages and paint.	To check & repair		
196	Firm to clean and repaint the sea side surface of Rudder Propeller.	To check & repair		
197	Firm to examine structure for deterioration of paint.	To check & repair		
198	Particular attention to shell plating at fendering position and in way of Anchors where abrasion is probable. Portable or semi-portable fitting that obscure structure are to be removed for examination of structure behind. Structure revealed by the removal of portable fitting is to be recoated before replacement. Paint scheme damaged to be removed and restored.	To check & repair		
199	Firm to thoroughly examine structure of Magazine, paying particular attention to the sashes of watertight bulkheads and deck areas obscured by stowage, fittings and ventilation trunking. Remove loose flaking paint, paint which have built up to excessive thickness and any traces of corrosion by chipping, scrapping and wire brushing. Thoroughly dry these exposed surfaces and recoat.	To check & repair		
200	Firm to examine structure for deterioration of paint, not covered by lagging or deck coverings paying particular attention to Decks. Deck boundaries lower areas of ship sides and bulkheads. Portable or semi-portable fittings that obscure structure are to be removed for examination of structure behind. Structure revealed by the removal of semi-portable fittings is to be recoated before the fittings are replaced.	To check & repair		
201	Rudder and propeller clearance to be measured and if found out of permissible limits, the relevant worn out liners, bearing to be Renewed accordingly.	To check & repair		
202	Anchors and chain cables to be laid and examined for wear down. Worn	To check &		

	out chain links to be Renewed as per the class requirements. All Valves , Fire Fighting Equipment's, Fire Fighting Apparatus, Motors, Pumps, Electrical penal/systems /navigation equipment's installed in vessel Must be tested by registered firm /organisation and certificate regarding serviceability of above equipment's are required to be provided	repair		
203	All bills and warranty certificate of new equipment/apparatus which will be installed during dry dock repair, required to be provided to Water Wing BSF Rajarhat	Repair		
204	PAINTING & MARKING : Painting and marking of ship as per the requirement be done by the tenderer before carrying out of final test. Painting to be done as per painting scheme (see the Painting Scheme in Annexure-I).	To check & repair		

Deck plate found pitted variously and would require Renewed. The actual extent of steel Renewed would be ascertained after thickness gauging of decks .It is envisaged that 10-12 tons of steel Renewed may be required. Approximate 25 tons \pm 10% steel may be required during dry dock repair for replacement of defective and pitted steel plates of FBOP SP Durga.

- Note:-**
- (a) All necessary hardware, materials and labour are at contractor's cost. As such tenders are required to quote accordingly.
 - (b) Approximate 25 Ton steel plate is estimated to be replaced during the dry dock repair.
 - (c) **Rate per ton for steel plate required for repair must be shown separately.**
 - (d) The actual quantity of steel replaced/Renewed during repair be assessed the BSF Board of Officers and BSF supervisory staff for dry dock repair and the payment will be made for actual consumption as per quoted rate per tonnage.

Sdxxx 21/05/2018

(G P Joddar)DC/WW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

ANNEXURE –I Of Chapter-V**PAINTING SCHEME**

The painting scheme shall be suited to provide a coating life of 5 years for underwater area to extend Dry docking period of the vessel.

		Jotun Paint Scheme or equivalent scheme of International paints manufacturers like Akzonobal, Sigma etc.		
S/N	Area/Parts	DFT (Micron)	Jotun Products	Generic name of the Product
1	BOTTOM SHELL (Under water Hull)			
	i) 1 coat of epoxy red oxide primer	50	Penguard Primer, Red	Pure Epoxy
	ii) 1 coat of coal tar epoxy brown	150	Jotamastic 80, Aluminium	High solids, Surface tolerant Mastic Epoxy
	iii) 1 coat of tie coat	100	Safeguard universal ES, buff	Epoxy Vinyl based coating
	iv) 4 coats of SPC antifouling	300	Sea Quantum Ultra	Hydrolysing Organosylil Binder.(For Slow moving and Stationary Vessel)
2	TOP SIDE			
	i) 1 coat of chlorinated rubber primer	50	Pengaurd Primer, Red	Pure Epoxy
	ii) 1 coat of chlorinated rubber high build	150	Jotamastic 80,Aluminium	High solids, Surface tolerant Mastic Epoxy
	iii) 2 coats of chlorinated rubber topside	50	Hard Top AS,	Polyurethane Top coat
3	EXPOSED STEEL DECKS			
	i) 3 coats of Epoxy red Oxide primer	150	Jotamastic 80, alu	High solids, Surface tolerant Mastic Epoxy
	ii) 2 coats of epoxy Heavy duty non-skid paint (Dk grey)	150	Jotamastic 80,Grey	High solids, Surface tolerant Mastic Epoxy
4	OUTSIDE DECK HOUSES			
	i) 1 coat of epoxy red oxide primer	50	Penguard Primer,Red	Pure Epoxy
	ii) 1 coat of chlorinated rubber primer	150	Jotamastic 80, alu	High solids, Surface tolerant Mastic Epoxy
	iii) 2 coats of chlorinated Rubber finishing paint	50	Hardtop AS	Polyurethane Top coat
5	ENGINE ROOM BILGES, OTHER BILGE SPACES & VOID SPACES			
	i) 1 coat of epoxy red oxide primer	50	Penguard Primer,Red	Pure Epoxy
	ii) 2 coat of coal tar epoxy brown	150	Jotamastic 80,Aluminium RT	High solids, Surface tolerant Mastic Epoxy
6	AREA BEHIND INSULATION AND LININGS			
	i) 1 coat of Epoxy Red Oxide Primer	50	Penguard Primer,Red	Pure Epoxy
	ii) 2 Coats of Coal tar Epoxy	75	Jotamastic 80, Grey	High solids, Surface tolerant Mastic Epoxy
7	EXPOSED INTERNAL STEEL WORK ELSE WHERE			
	i) 2 coats of Zinc Chromate primer yellow	40	Alkyd primer, red	Alkyd based primer
	ii) 1 coat of alkyd under coat	40	Alkyd primer , Grey	Alkyd based primer
	iii) 2 coats of alkyd finish	40	Pilot II, white	Alkyd based Topcoat
		40	Pilot II, white	Alkyd based Topcoat

8	FRESH WATER TANK	150	Tankguard 412, grey	Solvent-free, Epoxy Tank Coating
		150	Tankguard 412, white	Solvent-free, Epoxy Tank Coating
9	ALL OTHER AREA	150	Jotamastic 80, Grey	High solids, Surface tolerant Mastic Epoxy
		60	Penguard Top Coat	Epoxy Top Coat
10	MACHINERY, PIPING & SPARE GEAR	40	Alkyd primer, red	Alkyd based primer
		40	Alkyd primer , Grey	Alkyd based primer
		40	Pilot II, white	Alkyd based Topcoat
		40	Pilot II, white	Alkyd based Topcoat
11	DECK EQUIPMENT			
	i) 2 coats of alkyd finish of same shade	40	Pilot II, white	Alkyd based Topcoat
		40	Pilot II, white	Alkyd based Topcoat
12	WOOD Wood shall be treated with varnish			

13. During Dry Docking repairs, responsibility of Safety and Security of the vessels as well as the men working on it would be of the firm.

14. BSF has right to access to any place where ship's items are being repaired /tested and material/items stocked including records of labour booking etc. BSF personnel will be deputed at dockyard (place of dry docking repair) for supervision, monitoring and assistance.

15. **INSURANCE/INDEMNITY BOND:** Firm should furnish an insurance/ indemnity bond for: -
 15.1 Any kind of consequential damages to/loss of the vessel during journey/ passage to and fro the dock yard.
 15.2 Protecting the owner of the vessel i.e. BSF from any claims arising out of injury to or death of work men and contamination or damages to slip way, if any during the execution of the work.
 15.3 Against any damage caused to the vessel's equipment used by the contractor during dry docking. The Tenderer shall be responsible for any damage for such use. If any fixtures / component of the vessel is disturbed/ damage during the course of the work, the same has to be repaired/rectified by the firm at its own cost.

16. All materials like steel plates, paints (as per the paint scheme, attached as Annexure-I of schedule-V), welding rods, industrial gases, consumable parts/ spares etc required for dry dock repairs will be provided by the firm.

17. All scrap materials & US spares including Steel plate of FBOP after the dry dock repair will be handed over to BSF Marine Base Workshop at Hasnabad on proper, machinery or equipment wise, list & receipt after completion of work.

Sdxxx 21/05/2018

(G P Joddar)DC/WW
 Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- VI

Technical Specification

01	Length	34.5 Mtr
02	Breadth	9.5 Mtr
03	Depth	3.4 Mtr
04	Weight	353 Tonnage
05	Draught	1.2 Mtr
06	Speed	8.5 Knots
07	Fuel Capacity	16,000 Ltrs HSD 8000 Ltrs Petrol
08	Fresh Water Capacity	60,000 Ltrs
09	Endurance	2 Weeks
10	Carrying Capacity	38 Pers
11	Type of Engine	2- Kirloskar Cummins NTA 855 M 325 HP (each) 2-DG sets of 85 KW (each)
12	Propulsion	2 Nos of Holland Roar Propeller system
13	AC plant	Make-carrier (Henan & HOP Man Engg Pvt Ltd Model-06 EA 299 Cooling capacity-32 TR Capacity Control-2 steps (33-66% -100 %)
14	Material Used for hull	Iron
15	Date of purchase	Jan 2004
16	Date put into use	14 Feb 2004
17	Book Value	1380.82 Lakh
18	Manufactured by	M/S Mazagaon Dock Limited Mumbai-10

CHAPTER- VII

GENERAL CONDITIONS OF CONTRACT

1. All appendices, attached with the TE, should be duly filled in and are sacrosanct for considering any offer as a complete offer.
2. The **conditions of contract**, which will govern any contract made, are contained in the:
 - 2.1 The conditions of contract which will govern any contract made are **contained in the GFR 2017, Manual of Ministry of Finance for procurement of goods 2017 & all orders issued by MHA**, CVC and other relevant departments of Government of India from time to time till date of issue of this tender.
 - 2.2 Public Procurement order (preference to Make in India, 2017) issued by Department of Industrial Policy and Promotion, **Ministry of Commerce & Industry**, Govt. of India, vide their letter dated 15.06.2017 and notification issued by **Ministry of MSME** under section 11 of Micro, Small and Medium Enterprises Development Act 2006 shall also be taken into consideration in procurement of Goods & services.
 - 2.3 **Any special conditions attached to this invitation to tender will also form part of the conditions of contract and will supersede any general conditions.**
3. **Amendments:-**
The amendment made by Central Government from time to time in policy and instructions will be adhere to.
4. **Definition :-**
"Secretary" means Secretary of Ministry of Home Affairs for the time being in the administrative charge of the subject matter of contract and included Special Secretary, Additional Secretary, Joint Secretary or Director or Deputy Secretary in Ministry of Home Affairs. Director General, Inspector General, Dy. Inspector General, Commandant in BSF (MHA) and every other officer authorized for the time being to execute contracts relating to purchase and supply of stores on behalf of the President of India.
5. **ARBITRATION:-** In the event of any question, dispute or difference arising under these conditions or any special conditions of contract, or in connection with this contract (except as to any matters, the decision of which is specifically provided for by these or the special conditions), the same shall referred to the Sole Arbitration of the DG, BSF, Min. of Home Affairs or of some other person appointed by him. It will be no objection that the Arbitrator is a Government Servant that he had to deal with the matters to which the contract relates or that in the course of his duties as a Government servant he has expressed views on all or any of the matters in dispute or difference. The award of the Arbitrator shall be final and binding on the parties to this contract, it is term of this contract that:
 - 5.1 If the arbitrator be the DG, BSF, Ministry of Home Affairs:
 - 5.1.1 In the event of his being transferred or vacating his office by resignation or otherwise, it shall be for his successor in office either to Proceed with the reference himself or to appoint another person as Arbitrator :
OR
 - 5.1.2 In the event of his being unable to act or becoming incapable of acting for any reason it shall be lawful for him to appoint another person as Arbitrator.

- 5.2 If the arbitrator be a person appointed by the DG, BSF, Min. of Home Affairs:- In the event of his dying, neglecting or refusing to act, or resigning or being unable to act, for any reason or his award being set aside by the Court for any reason, it shall be lawful for the DG, BSF, Min. of Home Affairs either to Proceed with the reference himself or to appoint another person as Arbitrator in place of the outgoing Arbitrator. In every such case, it shall be lawful for the DG, BSF, Min. of Home Affairs in place of the outgoing Arbitrator, as the case may be to act on the record of the Proceedings as then taken in the arbitration, or to commence the Proceedings de novo, as he may at his discretion decide.
 - 5.3 It is further a term of this contract that no person other than DG, BSF, Min. of Home Affairs or the person appointed by him should act as arbitrator and that if for any reason that is not possible, the matter is not to be referred to arbitration at all.
 - 5.4 The Arbitrator may with the consent of all the parties to the contract enlarge the time from time to time for making and publishing the award.
 - 5.5 Upon every and any such reference, the assessment of the cost incidental to the reference and award respectively shall be in the discretion of the Arbitrator.
 - 5.6. Subject as aforesaid, the Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply the arbitration Proceedings under this clause.
 - 5.7 The venue of arbitration shall be the place where the contract is concluded or such other place as the DG, BSF at his discretion may determine.
 - 5.8 In this clause the expression DG, BSF, Min. of Home Affairs, means the DG, BSF for the time being & includes, if there be no DG, BSF, the officer who is for the time being the administrative head of the BSF. Min of Home Affairs whether in addition to other functions or otherwise.
6. **EARNEST MONEY DEPOSIT:-**
- 6.1 All firms who are not registered as **MSEs** as defined in Procurement Policy issued by MSME for the subject stores for which the offer is being invited, are required to deposit EARNEST MONEY equivalent to the amount as mentioned in the tender schedule.
 - 6.2 For claiming exemption from depositing earnest money, tenderer should be registered with **MSEs** for the subject stores for which the offers have been invited. Firms not registered for stores indicated in the tender schedule will be treated as unregistered and shall be required to deposit specified Earnest Money.
 - 6.3 Earnest money can be deposited in only any one of the following forms:
 - 6.3.1 A Fixed Deposit Receipt drawn in favour of **Officer Commanding Water Wing BSF Rajarhat** payable at SBI Chowringhee, Kolkata Code No. 1054.
 - 6.3.2 An irrevocable Bank Guarantee (BG) in Indian Rupees in the format supplied with the tender of any Indian Nationalized/Scheduled Bank.
 - 6.4 The earnest money shall be valid and will remain deposited with the purchaser for the period the offer is valid. If the validity of the tender is extended, the validity of EM document submitted by the tenderer shall also be suitably extended by the tenderer, failing which his tender, after the expiry of the period shall not be considered by the Purchaser.
 - 6.5 No interest shall be payable by the purchaser on the EM deposited by the tenderer.
 - 6.6 The EM deposited is liable to be forfeited if the tenderer withdraws or amends impairs or derogates from the tender in any respect within the period of validity of this tender.

- 6.7 The EM of the successful tenderer shall be returned after the security deposit is furnished as per AT. If the successful tenderer fails to furnish the security deposit as required in the contract within the stipulated period, the **Earnest Money** shall be liable to be forfeited by the purchaser.
 - 6.8 **EMD** of the unsuccessful tenders shall be returned after finalization of tender. Tenderers are advised to send a pre-receipted challan along with their bids to facilitate refund of **Earnest Money** in time.
 - 6.9 Any tender received from firm which is not registered with MSMEs as Micro & Small Enterprises for the tendered stores, and is not accompanied with required **Earnest Money** in prescribed form, is liable to be rejected. Registration with any other authority will not exempt the firm from depositing earnest money.
 - 6.10 In place of bid Security, Bidders to sign a Bid Security declaration accepting that if Firm withdraw or modify their bids during the period of validity or if Firm is awarded with the contract and it fail to sign the contract, or to submit a performance security before the deadline defined in the request for bid documents, Firm will be suspended for the period of time specified in the request for bid documents from being eligible to submit bids for contracts with entity that invited the Bids.
7. **GUARANTEE/WARRANTY:-**
- 7.1 Except otherwise provided in the invitation to tender the contractor hereby declares that the goods/Stores/articles/equipment sold/supplies to the purchaser/consignee under this contract shall be of best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars mentioned/contained in the contract.
 - 7.2 The contractor hereby guarantees that the said goods/stores/articles would continue to confirm to the description and quality aforesaid for a period of **12 months** from the date of receipt of goods/articles/stores/equipment in good condition at site by the consignee in case of supply contracts and twelve months from the date of installation and satisfactory taking over of the goods/stores/articles/equipment at site by consignee where installation and commissioning is involved and notwithstanding the fact that the purchase/inspection authority has inspected and/or approved the said goods/stores/articles/equipment or such if during the **12 months** the said goods/stores/articles/equipment be discovered not to confirm to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchase/consignee in that behalf shall be final and binding on the contractor/seller and the purchaser shall be entitled to call upon the contractor/seller to rectify the goods/stores/articles/equipment or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on application made thereof by the contractor/seller, and in such an event, the above period shall apply to the goods/stores/articles/equipment rectified from the date of rectification mentioned in the warranty thereof, otherwise the contractor/seller shall pay the purchaser such compensation as may arise by reason of the breach of warranty therein contained.
 - 7.3 Guarantee that they will supply the spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but without limitation an agreed discount on the catalogue price or an agreed percentage of profit on landed cost.
 - 7.4 Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the later may undertake the balance of lifetime requirements.
 - 7.5 Warranty to the effect that they will make available the blue prints of drawing of

- spares if and when required in connection with the main equipment.
- 7.6 **12 months** warranty periods will commence from the date of completion of entire work and submission of final bill of floating BOP SP Durga.
- 7.7 Guarantee/warranty will be comprehensive i.e inclusive of all spare parts including B-Check Kit.
- 7.8 Penalty for delay in repairs/ non response would charge as under :-
- a) Upto 2 weeks from the date of intimation- Nil
 - b) Thereafter 0.5% of that particular job/work/equipment per week if vessel remain operational but not more than the cost of that particular job/work/eqpts.
 - c) 1% of that particular job/work/equipment per week if vessel remains non-operational due to defect but not more than cost of that particular job/work/equipment.
8. **PRICE:**
The Price quoted shall be on firm and fixed basis subject to no variation whatsoever during the currency of the contract.
9. **PATENT AND OTHER INDUSTRIAL/ INTELLECTUAL PROPERTY RIGHT**
The prices quoted in the present tender shall be deemed to include all amounts payable for the use of patents, copyright, registration charges, trademarks and payment for any other industrial property/rights. The tender shall identify the Purchaser against all claims from a third party at any time on account of infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or the use. The tenderer shall be responsible for the completion of the supplied, irrespective of the fact of infringement of any or all the rights mentioned above.
10. **TRANSFER AND SUB-LETTING**
The tenderer has no right to give, bargain, sell, assign or sublet or otherwise dispose of the resultant contract or any part thereof as well as to give or to let a third party take benefit of advantage of the resultant contact or any part thereof.
11. **PENALTY FOR USE OF UNDUE INFLUENCE:**
The seller should undertake that he has not given, offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage of inducement to any person in service of the Purchaser or otherwise in Procuring, the Contract or Forbearing top do or for having done or forborne to do any act in relation or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the Contract or any other Contract with the Government. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the seller) or the commission of any offers by the seller or any one employed or acting on his behalf , as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption shall entitle the Purchase to cancel the contract and all or any other Contract with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer/employee of the Purchaser or to any other person in a position to influence any officer/employee of the Purchaser for showing any favor in relation to this or any other contract, shall render.

12. **PAST PERFORMANCE:-**

Bidders must enclose performance statement for the previous years in the proforma supplied with the tender as per **Appendix-7**. The decision on the assessment of the past performance of the tenderer by Officer Commanding WW BSF Rajarhat is final.

13. **SPECIAL CONDITIONS:**

13.1 **Fall Clause**

13.1.1 The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid In respect of any other Ministry/Department of the Government of India and if it is found at any stage that the similar system or sub –system was supplied by the Bidder to any other Ministry/Department of the Government of India at a lower price, then that very price with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded.

13.1.2 The bidder shall strive to accord the most favoured customer treatment to the buyer in respect of all matter pertaining to the present case.

13.2 **RISK PURCHASE CLAUSE**

13.2.1 In the event of failure of supplier to deliver or dispatch the stores or provide the required services within the stipulated dates/period of the supply order /AT, or in the event of breach of any of the terms and condition of the AT, the purchaser will have the right to purchase the subject store elsewhere at the risk and cost of defaulting supplier after giving a notice to defaulting supplier. The cost as per Risk Purchase exercise may be recovered from the bills pending with the supplier even against any other supplies outside this contract or even from the pending bills with any other Govt. Department/Ministry.

13.2.2 In the event of contract being cancelled for any breach committed and the purchaser effecting re-purchase of the subject store at the risk and cost of contractor, the purchaser is not bound to accept the lower offer of Benami or allied sister concern of the contractor.

13.3 **Any information furnished by the bidder in support of their eligibility of tender conditions, past performance, registration status with concerned Government Agency and all other relevant to the tender find fake, incorrect or fraudulent, then the bidder will be liable for forfeiture of EMD, Security Deposit, cancellation of contract and further Debarment from BSF as well as other Central Government Department's tender and other legal recourse thereof.**

13.4 **All bidders are liable to field their equipment for trial within given date & time at a desired place. Failing which EMD of the bidder shall be liable to be forfeited without any further notice.**

14. In case of any defect in supply or manufacturing or not conforming to technical specifications, observed during survey at consignee location or later during the warranty period, the tenderer will be liable to replace the defective store at their cost.

15. **LAWS GOVERNING THE CONTRACT**

The contract shall be governed by the laws of India for the time being in force. The contract shall be interpreted in accordance with these laws.

16. **JURISDICTION OF COURT:**

The Court of the Kolkata shall alone have a jurisdiction to decide any dispute arising out of or in respect of the contract. In the case of dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be settled in accordance with the Indian Arbitration and Conciliation Act, 1996. Arbitration Proceedings shall be held at New Delhi, India and the language of the arbitration Proceedings and that of all documents and communications between the parties shall be English.

17. **FORCE MAJEURE CLAUSE**

If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to "event") provided, notice of the happening of any such event is given by either party to the other within 21 days from the date of occurring thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and deliveries under the contract. The contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Purchaser as to whether the deliveries have been so resumed or not, shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or part or any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that if the contract is terminated under this clause, the purchaser shall be at liberty to take over from the contractor at a price to be fixed by the Purchaser, which shall be final all unused, undamaged and acceptable materials, brought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the contractor may with the concurrence of the purchase elect to retain.

18. **TERMINATION OF CONTRACT**

18.1 Time shall be the essence of the contract. The purchaser shall have the right to terminate this contract without any notice in part or in full in any of the following cases:

18.1.1 The delivery of the material is delayed for causes not attributed to Force Majeure after the scheduled date of delivery.

18.1.2 The seller is declared bankrupt or becomes insolvent.

18.1.3 The delivery material is delayed due to causes of Force Majeure by more than 60 days.

18.1.4 In case Security Deposit or Performance Security is not furnished within the time period specified in the A/T

18.1.5 Any incorrect information regarding eligibility criteria and other tender condition furnished by the bidder found at later stage than A/T (Supply order) will be cancelled alongwith forfeiture of security deposit/ performance bond.

18.1.6 If work not completed in stipulated time as well as additional time the vessel will be taken back by BSF.

19. Bulk supplies in the case of successful Tenderer should conform to tender samples accepted in trial evaluation in all respect besides specifications mentioned in **Chapter-IV.**

20. Any change in Address/Telephone/Fax/e-mail should be immediately informed. The state of non-communication by the firm will make the offer liable for rejection.

21. **GOVT. REGULATIONS**

It shall also be confirmed that there are no Govt. restrictions or limitation in the country of the supplier or countries from which sub-components are being procured and/or for the export of any part of the system being supplied. **Suppliers/Contractors shall provide a certificate this effect.**

22. For any change in terms and condition of tender/tender specifications, the Tenderers are requested to visit CPP e-Procurement site <https://eprocure.gov.in/eprocure/app> regularly.

23. **Any query/Representation** be addressed to **Officer Commanding**, HQ Water Wing BSF Rajarhat, C/O- South Bengal Ftr, TX Station, Garia, Kolkata-84 Telephone & Fax No. 033-2282-7259, e.mail : ocwwsb@bsf.nic.in.

24. **OPTION CLAUSE:**

The Purchaser reserves the right to place order on the successful Tenderer for additional quantity up to 10% of the quantity offered by them at the time of placement of order after approval of BSF.

25. **RIGHT TO REJECTION**

25.1 The decision of the **Officer Commanding Water Wing, BSF Rajarhat** shall be final as to the quality of the work & stores and shall be binding upon the Tenderers and in case of any of the articles supplied not being found as per specification and approved sample shall be liable to be rejected or replaced and any expenses or losses caused to the suppliers should be borne by the supplier. It will be ensured by the supplier that articles supplied should be best in quality and free from all defects.

25.2 The acceptance of vessel will be made only when the vessels inspected by BSF BOO with IRS surveyor and found up to the standard specifications and free from all defects.

25.3 The rejected items must be removed by the Tenderers from the consignees' premises within 15 days from the date of the intimation about rejection at the risk and cost of the tenderer.

25.4 The in-charge WW concerned will take reasonable view of such materials but no case shall be responsible for any loss, shortage, damage that may occur to while it is in the premises of the consignee.

26. **REPAIR SCHEDULE:-**

26.1 Dry docking and repair of the vessel shall preferably be undertaken in and around Kolkata/ Hasnabad area.

26.2 On receipt of work order, the firm shall have to arrange for transportation of the vessel from Hasnabad to the place of dry docking at their own arrangement.

26.3 Necessary POL shall be provided by BSF for to and fro journey from H/Bad to work Place.

- 26.4 POL will be provided by the firm during various tests and trials.
- 26.5 Repair work to be completed within 6 month of offer of work. Delay if any will invite penalty as per the terms & condition of contract.
27. **DISPATCH INSTRUCTIONS AND DOCUMENTATION.**
- The tenderer shall intimate to the consignee regarding conducting of IRS survey, by telex or fax and speed post ten (10) working days in advance.
28. **EFFECTIVE DATE OF CONTRACT:**
- The time allowed for carrying out Dry docking repair of **FBOP Durga** will start from the day of issue of written orders (Acceptance of Tender) for dry dock repair in accordance with the schedule indicated in the tender documents
29. **EXECUTION OF WORK:**
- 29.1 Dry docking repair and maintenance in the case of successful tender should conform to scope of work given in Chapter-V.
- 29.2 Tenderer will be fully responsible for proper dry dock repair of **FBOP Durga** and making the vessel functional before acceptance of vessel and the final settlement of account.
- 29.3 The Equipment / store should be as per the OEM instructions. Also the repair work carried out should be as per OEM recommendation and conforming to the scope of work.
30. **PAINTING & MARKING:**
- Painting and marking of ship as per the requirement be done by the tenderer before carrying out of final test. Painting to be done as per painting scheme (see the Painting Scheme in Chapter -V, Annexure-I).

Sdxxx 21/05/2018

(G P Joddar)DC/WW
Offg. Officer Commanding(WW)
For and on behalf of the President of India

CHAPTER- VIII
SPECIAL CONDITIONS OF CONTRACT

(If any instruction contained in this tender is contrary to instruction mentioned in special instructions, the special instruction will prevail.)

1. Bid submission end date & Time : **26th June 2018 at 1510 hrs.**
2. Date & Time for opening of tender : **28/06/2018 at 1100 hrs.**
3. Name of works : Dry dock repair works of Floating BOP SP Durga .
4. Validity of offer : **One year** from date of opening of Tender.
5. Inspecting Authority : (a) BSF board of officers and IRS (Indian Register of Shipping).
(For Dry Dock Repair)
: (b) It will be the responsibility of the contractor / tenderer to invite IRS surveyors for initial inspection as well as all subsequent inspections till the satisfactory completion of all works contained in the work package and to intimate all concerned with minimum 10 days reaction time.
: (c) All the Inspection charges of the IRS or any other classified Agency till the delivery of the completed project will be borne by the Tenderer.
6. EMD/Validity : (a) **Rs. 5,81,500/-** (Rs Five lakh eighty one thousand five hundred) only.
: (b) The EMD should be valid for one year from the date of opening of Tender.
7. Total Work to be completed : Dry Dock repair -within 06 (Six) months from the date of issue of AT/ work order, this includes shifting of floating BOP from Marine Base Wksp Hasnabad to Dry Dock site and back to Hasnabad after completion of repair work.
8. Place of Work : (a) The Dry docking repairs is to be carried out in **West Bengal** only.
9. **Guarantee/ Warranty** : The firm will stand guarantee for a period of minimum one year against workmanship and materials supplied. The guarantee/warranty will start from the date of handing over of vessel by BSF after successful completion of all jobs by the firm and trials to be conducted in the presence of BSF and IRS representatives.

10. **Shifting of Vessel for Dry Dock Repair :**

Towing / Pilotage charges as well as all related expenditure including comprehensive insurance or indemnity bond will be borne by the Tenderer. Fuel (to and fro) will be provided by BSF but for all trails it will be provided by firm. Tenderer may, therefore, include these expenditures in their overall quote for the complete work. Before taking over the vessel, the firm would provide an indemnity bond as per Proforma attached at Appendix- 7(A).

11. **USG**

: To be cater for 2000 point.

USG reports be submitted to the indenter immediately after completion of gauging of thickness of Steel Plate.

12. **Quantity of steel plate**

: (a) Approximate 25 Ton steel plates is estimated to be replaced during the dry dock repair.

(b) Rate per ton for steel plate required for repair must be shown separately.

(c) The actual quantity of steel replaced/Renewed during repair be assessed by the BSF Board of Officers and BSF supervisory staff for dry dock repair and the payment will be made for actual consumption as per quoted rate per tonnage.

13. **Use of available spares**

(i) On -board Spares (OBS)/ Base Depot Spares (BDS) pertaining to major Machineries/equipment's of Floating BOPs are available with technical store of HQ WW Rajarhat. List attached as Appendix-12. Such spares will be utilized by the firm during dry dock repair and cost of spare parts (Book value) will be deducted from the final bill.

(ii) The spare parts of machineries not available in the OBS & BDS be procured from the authorized dealers/OEM and the repair of any machinery or equipment's be done by the respective service Engineer of authorized dealers or OEM.

The amount of spare parts and repair carried out by the authorized dealer/OEM will be paid by the Tenderer and a copy of the bill/Challan must be provided to the Indenter for record.

14. **Scrap & US spares**

: All scrap materials & US spares including Steel plate of FBOP after the dry dock repair will be handed over to BSF Marine Base Workshop at Hasnabad on proper, machinery or equipment wise, list & receipt after completion of work.

15. **Pre-bid Conference**

On 12 June 2018 at 1200 Hrs at Office of OC Water Wing BSF Rajarhat,C/O- South Bengal ftr, TX Station, Garia, Kol-84

Sdxxx 21/05/2018

(G P Joddar)DC/WW,
Offg Officer Commanding(WW)
HQ Water Wing BSF Rajarhat
For and on behalf of the President of India

OFFER OF STORES

Tender No. _____

Full Name and Address: Post Box No.: (It should be quoted in all communication to this office.)	Contractor's Telegraphic Address: Telephone No(s): FAX No. : City Code used: E-mail Address.
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To,

The Officer Commanding
Water Wing BSF Rajarhat
C/O- SB Ftr BSF
TX Station, Garia, Kolkata-84

Dear Sir,

I/We hereby offer to supply the stores detailed in the schedule hereto or such portion thereof as you may specify in the Acceptance of Tender at the price given in the said schedule and agree to hold this offer open till_____. I/We shall be bound by a communication of acceptance within the prescribed time.

2. I/We have understood the instructions of contract which will govern by Rules contained in the **GFR 2017, Manual of Ministry of Finance for procurement of goods 2017 & all orders issued by MHA, CVC and other relevant departments of Government of India from time to time** till date of issue of this tender, placed by the Central Purchase Organization of the Government of India”, as amended up to date. I/We have also understood that **any special conditions attached to this invitation to tender will also form part of the conditions of contract and will supersede any general condition.**

3. The following pages have been added to and form part of this tender.

(a) _____

(b) _____

(c) _____

(d) _____

Yours faithfully

SIGNATURE OF WITNESS**Address :-** _____**Dated :-** _____

(Signature of Tenderer)

Name _____

Address:- _____**Dated :-** _____

DETAILS OF PARTICIPATING FIRMS

1.	(i)	Details of authorized Signatory of Participating Bidder :	
	(a)	Name	::
	(b)	Address	::
	(c)	E-mail & website, if any	::
	(d)	Telephone & Fax No.	::
	(ii)	Capacity in which filling the tender; Indian OEM/ Foreign OEM/ Distributor of Indian OEM/ Distributor of Foreign OEM/ Indian System Integrator or PSU (Please specify if in any other category)	::
	(iii)	In case of foreign firm, contact person in Delhi/India and his relationship with tenderer:	
	(a)	Name	::
	(b)	Address	::
	(c)	Relationship with tenderer	::
	(d)	Telephone No.	::
		Landline	
		Mobile	
	(e)	Fax	::
	(f)	E-mail	::
2.		Whether registered with MSME or Distt. Industry Centre(DIC) for subject store as manufacturer MSE(Micro & Small Enterprises). If yes, upload photocopy of following :	
	(i)	Registration Certificate Validity Date	::
	(ii)	Tendered store is covered or not	::
	(iii)	Specify Monetary Limit (in Rs.)	::
	(iv)	Production capacity per month	::
3.		Whether past supplier of subject store to any Government Organization in India or Abroad during the previous years . (If yes, submit performance statement in proforma enclosed in tender).	
4.	(i)	Delivery period in months from the date of placement of order	::
	(ii)	Monthly rate of supply	::
	(iii)	Offer validity	::
	(iv)	Payment Terms	::
	(v)	Guarantee/Warranty	::
	(vi)	Model offered	::
5.		Whether stores fully conforms to Tender Schedule Specifications in all respects.	

6.	State whether business dealings with you have been banned with Min./Deptt of Supply/ Ministry of Home Affairs/Any Central Government Ministry or Department/Any State Govt. ? If yes, then give the details otherwise upload the self declaration certificate with technical bid.	::	
7.	GST Tax Assessment/ Return Office Address.	::	
8.	Income Tax Assessment/ Return Office address	::	
9.	Income tax clearance certificate & PAN No.	::	
10.	After sales service centre alongwith Lab/ Workshop for periodical maintenance & repair in NCR Region which is registered with MSME/ NSIC or any other concerned Central Govt. agency		
	(i) Registration details with validity	::	
	(ii) Location, building owned or leased	::	
	(iii) Addresses with nearest Police Station :	::	
	(iv) Details must be filled in annexure attached.	::	Yes/ No
11.	Details of MOU with foreign principal/OEM & Indian OEM: for tendered item for a period of minimum two years.		
	(i) Name of OEM	::	
	(ii) No. of items including tendered equipment for MOU	::	
	(iii) Specific period and validity of MOU.	::	
	(iv) Warranty/Guarantee & availability of spares, repairs & Price reasonability having ownership of liability by OEM for tendered equipment.	::	
12.	Essential documents for distributor of Indian OEM. In case of Indian distributor of Indian OEM, then must produce undertaking certificate in accordance to Clause 1.1 of Chapter IV of Tender Enquiry.	::	Yes / No
13.	Essential documents for distributor of Foreign OEM In case of Indian Distributor/seller of foreign OEM, then must fill in Enlistment application form attached as Annexure F.	::	Yes / No

14.	Proforma invoice of OEM to system integrator.	::	Yes / No
15.	Any criminal or civil case pending against firm or owner of the firm (Furnish details thereof)	::	Yes / No
16.	Do you agree to sole arbitration by Secretary, Ministry of Home Affairs or by other some other person appointed by him as provided in Clause 9.9.1 and 9.9.2 of Manual for procurement goods 2017,MOF (Your acceptance or non-acceptance of this clause will not influence the decision of the tender. It should, however, be noted that an omission to answer the above question will be deemed as an acceptance of the clause).	::	
17.	For Partnership Firms state whether they are registered or not registered under Indian Partnership Act, 1932. Should the answer to this question by a Partnership firm be in the affirmative, please state further		
(i)	Whether the partnership agreement, authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the partner who has signed the tender.	::	
(ii)	If the answer to (a) is in the negative, Whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed the tender to refer dispute concerning business of the partnership to arbitration	::	
(iii)	If the answer to either (a) or (b) is the affirmative, please furnish a copy of either the partnership agreement or the general power of attorney as the case may be	::	
N.B.:-			
1.	Please attach to the tender a copy of either document on which reliance is place for authority of partners on the partner signing the tender to refer disputes to arbitration. The copy should be attested by a Notary Public or its execution should be admitted by affidavit on a properly stamped paper by all the partners.		
2.	Where authority to refer disputes to arbitration has not been given to the partner signing the tender the tenders must be signed by every partner of the firm.		
18.	Here State specifically		

	(i) Whether the price tendered by you is to the best of your knowledge and belief, not more than the price usually charged by you for stores of same nature/class or description to any private purchaser either foreign or as well as Govt Purchaser. If not state the reasons thereof. If any, also indicate the margin of difference .	::	
	(ii) In respect of indigenous items for which there is a controlled price fixed by law, the price quoted shall not be higher than the controlled price and if the price quoted exceeds the controlled price the reasons thereof should be stated.	::	

Signature of Tenderer : _____

Name in Block letter : _____

Capacity in which tender signed: _____

Full Address : _____

MANUFACTURING DETAILS OF INDIAN OEM & SYSTEM INTEGRATOR
(To be compulsory filled by Indian OEM or their Authorized Distributor)

Tender No. & Date _____ For the supply of _____

1.	Details of Manufacturer		
	(i)	Name	::
	(ii)	Office	::
		(a) Address	::
		(b) Telephone No.	::
		Landline	
		Mobile	
		(c) Fax	::
		(d) E-mail	::
	(iii)	Works/ Factory/ Lab	
		(a) Address	::
		(b) Telephone No.	::
		Landline	
		Mobile	
		(c) Fax	::
		(d) E-mail	::
2.	Ownership of Manufacturing Works/ factory/ lab		
	(i)	Manufacturer/OEM having their own premise must upload Documentary evidence for the same. Brief details thereof	
	(ii)	In case you are having leased/rented premise For manufacturing/ Integration/ works, documentary evidence be uploaded. Brief details thereof.	
	(iii)	In case you do not own the factory but utilize the factory of some other firm for the - manufacture/ fabrication of the stores for which you apply for registration on lease or other base you should upload a valid legal agreement that the factory of (Here indicate the name of the firm whose factory is being utilized) has been put at your disposals for the manufacture/fabrication of the stores for which registration has been applied for.	
3.	<u>Brief description of factory/ workshop/ lab</u>		
	(i)	Covered area & Open area	::
	(ii)	Whether area comes under Govt authorized Industrial/commercial place for the same	::
	(iii)	Power connection with load capacity and issued in the name of	::
	(iv)	Functional departments of manufacturing/ works divided into, details thereof)	::

4.	Details of Plant and machinery erected and functioning in each department :-		
	(i) Make & model of main machine	::	
	(ii) Date of purchase & commissioning	::	
	(iii) Life of the Machine	::	
	(iv) Details of subsidiary and associated machinery & equipment	::	
5.	Details of Machinery/equipment/laboratory for quality control	::	
6.	Details and stocks of raw material held (state whether imported or indigenous) against each item	::	
7.	Production capacity of each item with existing plant & machinery		
	(i) Normal	::	
	(ii) Maximum	::	
8.	Details arrangement for quality control of products such as laboratory etc.		
9.	Manpower		
	(i) Details of qualified Technical/Supervisory staff in-charge of production & quality control. Upload copies of CVs of these personnel with technical bid	::	
	(ii) Skilled labour employed	::	
	(iii) Un-skilled labour employed	::	
	(iv) Maximum no of workers (Skilled & un-skilled) employed on any day during the 18 months preceding the date of application	::	
	(v) Details of PF & ESI registration, available if any.	::	
10.	Whether stores were tested to any standard specification by National/International accredited Lab. If so, copies of original certificate should be submitted in triplicate	::	
11.	Whether OEM having any BIS(ISI Mark) / ISO registration. If yes, give the details	::	
12.	Industrial license details. Upload the copy alongwith technical bid	::	
13.	Give details & upload copy for following :-		
	(i) Whether MSE(Micro Small Enterprises)	::	
	(ii) Whether medium or large sector Unit	::	

14.	Constitution of the firm (upload & furnish the details) :-		
	(i) Registration with under Indian Company Act 1956	::	
	(ii) Indian Partnership Act 1932	::	
	(iii) Indian Proprietary Firm, Pvt Ltd Companies, LLC	::	
15.	Ownership of firm (Furnish the details of proprietor/ partners/ directors etc.)	::	
16.	<u>Local Content</u> If stores offered are manufactured in India, please state whether all the raw materials, components etc. used in their manufacture are also produced in India. If not, give details of materials components etc. that are imported and their breakup of the indigenous component in percentage (%) & Imported components in percentage (%) together with their value & proportion it bears to the total value of the store should also be given.	::	
17.	<u>Declaration certificate :-</u> Indian OEM & their authorized distributor and Indian System Integrator firm will provide all documentary declaration certificates which are mentioned in Clause 1.1 of Chapter IV respectively.	::	Yes/ No

Place :

RE & TENDERER

Date :

DESIGNATION _____

COMPANY/ FIRM _____

MANUFACTURING DETAILS OF FOREIGN OEM & THEIR INDIAN AUTHORIZED DISTRIBUTORS**(To be compulsory filled by Foreign OEM or their Indian Distributor or System Integrator who are using part of equipment manufactured by Foreign OEM)**

1.	Details of Manufacturer		
	(i)	Name	::
	(ii)	Office	
		(a) Address	::
		(b) Telephone No.	::
		Landline	
		Mobile	
		(c) Fax	::
		(d) E-mail	::
	(iii)	Works/ Factory/ Lab	
		(a) Address	::
		(b) Telephone No.	::
		Landline	
		Mobile	
		(c) Fax	::
		(d) E-mail	::
	(iv)	Contact person in Delhi NCR	
		(a) Address	::
		(b) Telephone No.	::
		Landline	
		Mobile	
		(c) Fax	::
		(d) E-mail	::
2.	Furnish the detail of Industrial License/Permit issued by concerned Govt Agency		
	(i)	Name of Govt Agency	::
	(ii)	Office Address	::
	(iii)	E-mail of concerned official	::
	(iv)	Website of issuing Govt Agency	::
	(v)	Phone No. of concerned official	::

3.	Furnish the details of concerned Income Taxation Department :			
	(i)	Income Tax Department Office address & contact details	::	
	(ii)	Income Tax clearance certificate	::	
4.	Furnish the details of concerned Industrial Tax registration i.e. GST/Excise/VAT etc. and Office address & contact details of assessment office		::	
5.	Registration with Export Office			
	(i)	Registration No.	::	
	(ii)	Validity	::	
	(iii)	Item	::	
6.	CRISIL Rating as a OEM, if any		::	
7.	Business name and constitution of the firm as a OEM.			
	(i)	Details of the Govt./Commercial Agency who registered	::	
	(ii)	Type & Nature of Firm/Company.	::	
8.	Name & Full address of your Banker		::	
9.	Certificate of concerned chamber of Commerce that participating Foreign OEM is established OEM for Tendered item		::	
10	Foreign OEM participating directly in the Tender must submit certificate that Indian Office /Authorized Distributor are capable enough to provide repair, periodical maintenance and after sales service in life cycle of tendered product		::	

11.	MOU Agreement between Foreign OEM and their authorized distributor should be valid		
	(i) More than warranty period time of tendered item.	::	
	(ii) MOU be issued before publication of Tender	::	
12.	Declaration Foreign OEM will give undertaking that they will inform, if appoint new distributor/dealer during life cycle of tendered item		
13.	Declaration certificate :- Foreign OEM & their authorized distributor firm will provide all documentary declaration certificate which are mentioned in Clause 1.2 and 1.3. of Chapter IV respectively.	::	

N.B.:- If foreign manufacturer's distributor, please upload with tender the copy of manufacturer's authorization and profit declaration.

Signature of Witness

Signature of Tenderer

Full Name (In Block letters)
Address:

Full Name (In Block letters)
Address :

Note: Tenderers should furnish specific answers to all the questions. Tenderers may please note that if the answers so furnished are not clear and/or are evasive, the tender will be liable to be ignored.

SERVICE CENTRE AND WORKSHOP (AFTER SALE SUPPORT) DETAILS**(Essentially to be filled by all Bidders)**

1.	Name of the After Sale support Centre		
2.	Contact Details		
	(i) Address	::	
	(ii) Telephone No.	::	
	(iii) Fax	::	
	(iv) E-mail & Website	::	
3.	Contact person, Mobile No. & Designation	::	
4.	Details of available Infrastructure	::	
5.	Accreditation of Service Centre & Workshop ,if any.	::	
6.	Registration of After sales service centre and Lab/ Workshop with MSME/NSIC or any other concerned Central Govt. agency	::	
7.	Capability of periodical maintenance and repair	::	
8.	Reserve stock of manufacturer recommended list of spares(MRLS)	::	
9.	Stock of Special Maintenance & Repair Tools (SMRT)	::	
10.	Qualified Technical personnel available with Service Centre & Workshop	::	
11.	Past performance of the Service Centre & Workshop.	::	
12.	ISO certification available, if any.	::	

APPENDIX- 7**PERFORMANCE(SUPPLY) STATEMENT FOR PREVIOUS YEARS**

S/N	Order Placed By whom, with Order No. & Date	Store	Qty	Value	Delivery Period	Remarks (To include Reasons for Delay/ Cancellation/ Complaints etc.)
1						
2						
3						
4						
5						

Note: Firms to submit performance report of similar kind of work, executed for the Govt. Organizations of the last three years.

APPENDIX-7(A)**PROFORMA FOR INDEMNITY BOND**

(To be submitted on Stamp Paper of worth Rs 100/-)

INDEMNITY BOND

With reference to Acceptance Tender No. _____,
M/s _____ hereby indemnifies to protect
the owner of the vessel i.e BSF against any claims arising out of :-

- (a) Damages/ Losses caused to the vessel in transit from place of deployment to the dockyard and back as well as during the course of repairs.
- (b) Injury or death of work men during the execution of the work.
- (c) Contamination or damages to slip way/ docking space if the same is hired by the firm.
- (d) Disputes raised whatsoever by the Sub-contractor/ service provider used by the firm.

Dated, ____ 2018

(Signature with Designation)

Proforma for Bank Guarantee for submitting Earnest Money
Proforma of Bank Guarantee for Earnest Money
(On banks letter head with adhesive stamp)

Bank Guarantee No. _____

Dated ____/____/2018

To,

The Officer Commanding
 Water Wing BSF Rajarhat
 C/O- South Bengal Ftr BSF
 TX Station, Garia, Kolkata-700 084

Dear Sir,

I, In accordance with your Invitation to Tender No. _____
 M/S _____ hereinafter called the tenderer with the following
 Directors on their Board of Directors/partners of the firm:-

1.	2.
3.	4.
5.	6.

Wish to participate in the said Tender for the supply _____ of _____.
 As a Bank Guarantee against Earnest Money for a sum of _____ (in words and
 figures) _____ valid for (180) one hundred eighty days from the date of opening of Tender
 viz _____ is required to be submitted by the tenderer as a condition for the participation, this bank
 hereby guarantees and undertakes during the above said period of 180 (one hundred and eighty
 days) to immediately pay, on demand by DDO, FHQ BSF New Delhi in writing the amount of
 _____(words and figures) without any reservation and recourse, if :-

- (i) The tenderer after submitting his Tender, modifies the rates or any of the terms and conditions thereof, except with the previous written consent of the purchaser.
- (ii) The tenderer withdraws the said Tender within 120 days after opening of tender' or
- (iii) The tenderer having not withdrawn the Tender, fails to furnish the contract security deposit imposed for due performance of the contract within the period provided in the General conditions of contract.

The Guarantee shall be irrevocable and shall remain valid upto _____, if further extension to this guarantee is required, the same shall be extended to such required period on receiving instructions from M/S _____ on whose behalf this Guarantee is issued.

Signature _____

Date: _____

Place: _____

Witness _____

Printed name: _____

(Designation)

(Bank's Common Seal)

PROFORMA FOR PRICE BID
(TO BE FILLED BY THE BIDDERS & SEALED SEPARATELY)

Tender Inviting Authority: OC WW BSF RAJARHAT C/O HQ SB FTR

Name of Work: **Dry dock repair & maintenance of Floating BOP SP Durga**

Bidder Name:- _____

S/N	Item Description	Qty (in Nos)	Basic Price (BP) per Unit (In INR or Euro or US\$)	Price for free Delivery to Consignee basis (In INR or Euro or US\$)	Custom Duty (CD), if any (In INR or Euro or US\$)	GST, if any (GST) (In INR or Euro or US\$)	Any other leviable Taxes, and Charges/ Surcharges (OT) (Please name) (In INR or Euro or US\$)	Net price (NP) per unit including all taxes (In INR or Euro or US\$) (BP+CD+ GST+OT)	Total price (In INR or Euro or US\$) with taxes (NP x Qty)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)
1	<p>DECK [Deck 01 (Deck House Top), Deck 02 (Wheel House Top), Main Deck and Weather Deck, Lower Deck/Under Deck, AHU Compartment Deck, Aft Deck, Forecastle Deck, Superstructure, ATU compartment deck and Machinery spaces].</p> <p>(I) All Deck plating pitted at various locations. Thickness measurement to be carried out and Renewed as per requisite. Degutting and re-gutting to be under taken as necessary.</p> <p>(II) Decks super structure top strake raised coaming variously wasted at deck level, same to be cropped and Renewed as required.</p> <p>(III) Coaming at various places of Deck 01 and Deck 02 required to be repaired.</p> <p>(IV) Salt water accumulates at various locations at the base of main deck due to shallow deformed surface formed due to rusting. Hence slope should be provided in the plate used for main deck.</p> <p>(v) All Decks and superstructures to be sand blasted and painting to be done with applicable paint Scheme.</p> <p>(vi) AHU trunking deck piece corroded. To be Renewed.</p> <p>(vii) AHU foundation wasted/ holed at several places. To be Renewed.</p> <p>(viii) Wheel house top deck found wasted and undulated .to be cropped and Renewed (approx area 4.6 mtr x42 mtr, 06 mm thickness.</p> <p>(ix) Wheel house stbd side found hole. To be cropped and Renewed. (Appr- 1 Sqr Mtr.)</p> <p>(x) Deck scuppers found wasted variously, to be Renewed.</p> <p>(xi) Bollards - 06 Nos. Bollards of Main Deck found pitted and thinned. To be Renewed as per requisite.</p>	1 Job							
(2)	<p>SIDE WALL [Hull Plate (Port & STBD, Fwd , Aft) , Under water hull and side shell, VIP Cabin Side Wall, SO Cabin Side Wall, Wheel House Side Wall, Wall And Foot Plate and Bilge]</p> <p>(i) Thickness measurement of underwater hull and side plate to be under taken. Repair /Renewed to be completed as per thickness measurement report. Degutting and re gutting to be undertaken as necessary.</p> <p>(ii) Thickness measurement of side shell plating to be carried out and repairs to be under</p>	1 Job							

	<p>taken as per requisite.</p> <p>(iii) Machinery space and bilges are to be thoroughly cleaned, internal structure to be examined.</p> <p>(iv) Inspect sacrificial anodes fitted to under water hull, rudder, inlets, outlets, sea tubes, void spaces renew those consumed more than specified limit.</p> <p>(v) Ship side (Port & STBD) and Weather Deck scuppers found wasted, to be Renewed as per requisite.</p> <p>(vi) Ship side to be sand blasted and painting to be done with mandatory paint scheme</p> <p>(vii) Side light (P&S) foundation wasted, to be Renewed . deck beneath foundation to be examined and repaired as necessary.</p> <p>(viii) Check condition of UW hull paint and renew as necessary with applicable paints scheme,</p> <p>(ix) Painting is required to be done as per appropriate paint scheme mentioned at Appendix-I)</p>								
3	<p>Ship Side –</p> <p>1. Doubler found fitted on wind & water strake, same to be cropped and Renewed</p> <p>2. Deck scuppers found wasted variously, to be Renewed.</p> <p>3. Vessel name on both side near bow to be Renewed</p> <p>4. Border security force along with logo required to print in bold letter at middle of side wall of vessel.</p>	1 Job							
(4)	BOTTOM PLATE- [Thickness gauging of bottom should be carried out and renew as per requisite]	1 Job							
(5)	<p>STORES / CABINS [Buson store, Provision Store, Kote /Magazine Store, Deep Freezer Room, Galley, SO'S Dining Hall, OR'S Dining Hall, Jawan Toilets, Jawan Cabin, Engine Room, Officer dining Hall, VIP /Captain /SOs cabin]</p> <p>(i) Thickness measurement of Accommodation spaces, Dinning spaces, and Bathrooms to be under taken. Repair /Renewed to be completed as per thickness measurement report. Degutting and re gutting to be undertaken as necessary.</p> <p>(ii) De rusting of stores/cabins should be done and to be painted with appropriate paint scheme</p> <p>(iii) Underlay and linoleum sheet area found cracked and uprooted. TM to be carried out and deck to be Renewed as per requisite. Underlay and linoleum sheet to be re-laid.</p> <p>(iv) Bathroom floor tiles (approx. 4'x4') to be removed for sample survey and thickness measurement to be carried out and Renewed as per requisite.</p> <p>(v) Galley floor tiles (approx. 4'x4') to be removed for sample survey and thickness measurement to be carried out Renewed as per requisite.</p> <p>(vi) Furniture of all cabin required to be polished and repaired / Renewed if required.</p> <p>(vii) Painting inside the cabins required to be carried out.</p>	1 Job							
(6)	<p>ENGINE [Main Engine PORT side, Main Engine STBD side, DG Set Port, DG Set STBD and DD Fire Pump Engine]</p> <p>Main Engine Port and STBD side found completed more than 6009 & 6172 Run Hours. Periodic checks of main engines and its system to be carried out as per OEMs recommendation. Complete overhauling and other maintenance of main engine and its all accessories/safety equipment to be carried out as per run Hrs/Time period completed at the time of Dry dock as per engine manufacturer's recommended standard. On completion of repair operational trials and safety checks must be carried out.</p>	1 Job							
7	ENGINE :Radiator of Main Engine (Port and STBD) clogged, fins deteriorated to be Renewed.	1 Job							

8	ENGINE : Auxiliary Engine Port and STBD found completed more than 19348 & 24543 running hours respectively. Periodic checks of Aux. engines and its system to be carried out as per OEMs recommendation. Complete overhauling and other maintenance of main engine and its all accessories/safety equipment to be carried out as per run Hrs/Time period completed at the time of Dry dock as per engine manufacturer's recommended standard. On completion of repair operational trials and safety checks must be carried out.	1 Job							
9	ENGINE : Un-expected vibration during running of DG set is required to be rectified.	1 Job							
10	ENGINE : Aux. Generators cooling line to be pressure tested. Repairs to be undertaken as necessary.	1 Job							
11	ENGINE : DD fire pump found completed 441 running hours respectively. Complete overhauling and other maintenance and its system to be carried out as per run Hrs/Time period completed at the time of Dry dock repair, as per manufacturer recommendation. On completion of repair, operational trials and safety checks to be carried	1 Job							
12	ENGINE : All engines and mounting area along with upper cover of main engine be painted with prescribed paint Scheme.	1 Job							
13	HOLLAND ROER PROPELLER UNIT (P &S) AND STEERING GEAR [PORT Side Main Engine HRP Unit, STBD Side Main Engine HRP Unit, Remote control/steering system] (I)Periodic inspection and overhauling of the HRP and its equipment's are to be carried out as per original equipment manufacturers (OEM) recommendations. On completion of repairs, operation trials to be carried out. (ii) HRP unit cover corroded at base, same to be Renewed. (iii) All main and auxiliary steering arrangement, associated equipment's and control system of HRP system to be examined and overhauled as per OEM recommendations. On completion of repairs, operation trials to be carried out. (iv) Serviceability check of main engine remote control system to be done and necessary repairs to be undertaken. Trails of system to be proved. (v) Oil leakage from lower gear unit of HRP system in port side required to be repaired. (vi) HRP shaft of STBD side required to be aligned.	1 Job							
14	PROPULSION UNIT : Universal joint cross of propeller shaft of both main engine (Port & Stbd) required to be repaired/Renewed.	1 Job							
15	ALTERNATOR [Port Side DG SET Alternator, STBD Side DG Set Alternator] (i) Complete overhauling and other maintenance of alternator and its system is required to be carried out for their proper function/working. (ii) Power output, frequency, voltage of alternator must be checked and rectify if any defect found.	1 Job							
16	MOTOR[Fire/Bilge Pump Motor (P & S), Domestic Fresh Water Pump Motor (P &S), Sea Water Pump Motor-(P &S), Fuel Transfer Motor, Sewage Pump Motor (P & S), Wench Motors For Anchor (P & S, AFT), Davit Motor (02 No's. Each at P&S), Wiper Motor (04 No's.), Exhaust motor of galley, Engine Room Blower (02 No's.), AFT peak tanks exhaust blower]. (i) Complete overhauling/servicing to be carried out for their proper function. (ii) Painting of all motors are required to be done with appropriate colours along with specified paint (iii)Engine room exhaust fan's sealing/ gasket, wasted, to be Renewed. (iv) Engine room exhaust fan motor making noise same to be serviced.	1 Job							
17	PUMPS [Blige/Fire Pump (P&S)-4 Nos, Domestic Fresh Water Pump(P &S)-04 Nos, Sea Water Pump (P &S)-04 Nos, Fuel Transfer Pump-01 No, Sewage Pump (P &S), Wiper	1 Job							

	<p>Rotary mechanism unit, DD Fire Pump Unit, Semi rotary double acting hand pump , DG Set Fresh Water Pump -02 Nos, Main engine Fresh water Pump-02 Nos]</p> <p>(i) Pumps to be examined in dismantled condition and overhauling/ servicing to be undertaken as necessarily and trail to be completed</p> <p>(ii) Operation trial of fire pump to be carried out including self-priming function.</p> <p>(iii) Painting of all pumps is required to be done with appropriate colours along with specified paint.</p> <p>(iv) Suction and delivery line vacuum and pressure gauges of pumps not working properly required to be Renewed.</p> <p>(v) Semi rotary double acting hand pump (02 nos.) of forepeak and aft peak compt not working. Same to be repaired & operational trail of pump to be carried out.</p>								
18	<p>TANKS [Fresh Water Tank (02 Nos.Each at Port (Fr 38-57 & 57-65)and STBD side (fr 38-57 & 57-65), Fuel/ Water Lines, HSD Tank -02 Nos Port-(fr 23-28) and STBD (fr-23-28), Petrol Tank (C) –fr 1-4 –01 No, Main Engine Service Tank (P &S) - 02 Nos, Both DG Set Service Tank (P &S) -02 Nos, Sewage Tank - 01 No(C)-fr-38-50, Void Tanks -03 Nos (STBD – fr-23-38), Port-fr23-38), C-Fr 38-57), Decantation Tanks -02 Nos, AFT peak tanks (incl. propeller well), Sintex plastic tanks 02 No's]</p> <p>(i) Tanks/ void spaces to be thoroughly cleaned and examination of internal frame and thickness measurement (TM) to be carried out. Repairs to be undertaken as per recommendation of TM reports and preservation coating to be restored.</p> <p>(ii) All fuel/water lines and tanks required to be painted with specified paint as per painting scheme, mentioned at Appendix-I) except fuel tank.</p> <p>(iii) One raised type main hole to be provided in jawan's bathroom for entry into void space.</p> <p>(iv) Fuel tank must be cleaned properly</p> <p>(v) Thickness of sewage tank base plate may be doubled to provide additional safety.</p> <p>(vi) Waster striker plates below filling /suction pipes of all tanks to be Renewed.</p> <p>(vi) Sintex plastic tanks 02 No's required to be cleaned, serviced or Renewed if needed</p>	1 Job							
19	<p>SEWAGE SYSTEM</p> <p>(i) Alarm system of the sewage system to be repaired</p> <p>(ii) Sewage pump foundation wasted, mosaic cracked. Foundation and mosaic to be Renewed.</p>	1 Job							
20	<p>SIDE SCUTTLES AND WINDOWS :</p> <p>Ship side scuttles glass (03 No's) required to be cleaned.</p>	1 Job							
21	Shipside scuttles rubber lining cracked to be replaced at various places	1 Job							
22	Two fixed windows (port and stbd) to be replaced with open able type W.T. windows.	1 Job							
23	Super structure windows rubber lining of VIP cabin, captains room, SO's cabin (Port & STBD side)	1 Job							
24	<p>WT DOORS AND HATCHES Water tight hatches (MS) rubber gasket channel corroded/ holed and rubber gasket cracked of following location Hatch to be repaired and rubber gasket Renewed. Toggles to be eased. Weather tightness to be proved.</p> <p>i) Forepeak compartment.</p> <p>ii) Alleyway companion hatch</p> <p>iii) Jawan's accommodation hatch</p> <p>iv) Auxiliary Engine Room Hatch</p>	1 Job							
25	Watertight doors (MS) rubber gasket channel corroded/ holed and rubber gasket cracked at following location. Doors to be repaired and rubber gasket Renewed. Toggles to be eased and rubber gasket to be Renewed. Weather tightness to be	1 Job							

	proved. i) AHU Compartment door ii) Auxiliary Engine Room iii) Main Deck lobby door (Port) iv) Main Deck Lobby door (STBD)									
26	HRP engines (port and stbd) compartment door found wasted /holed. to be repaired and weather tightness to be proved.	1 Job								
27	12 nos. Fixed type portholes found wasted to be Renewed.	1 Job								
28	QCV box flap hinges broken, to be Renewed.	1 Job								
29	Wasted rubber of open able type windows of wheel house to be Renewed.	1 Job								
30	Weather Deck hatches clips and locking hasp & staple jammed, to be repaired.	1 Job								
31	Hatch open position retainers and stand wasted to be renew	1 Job								
32	Door of wheel house required to be repaired or Renewed. Jawan's Accommodation hatch coaming holed, Coaming to be Renewed as necessary	1 Job								
33	SANITARY DISCHARGES AND VALVES : Sanitary system pipe approx length 35 meter to be dismantled and required to be Renewed/chemically cleaned and pressure tested.	1 Job								
34	All Washbasin and taps of Jawan's bathroom wasted. To be Renewed. (Qty 04 No's).	1 Job								
35	Washbasin holding brackets of VIP/Captain/SOs cabin is required to be proper fitting.	1 Job								
36	Officers Mess, SO's Mess and Jawan's dining hall wash basin required to spotless	1 Job								
37	Emergency suction line to be provided from sewage holding tank.	1 Job								
38	Additional sewage discharge pump alongwith associated piping and controls to be installed for discharge of sewage.	1 Job								
39	All water tapes installed in vessel is required to be repair/renew.	1 Job								
40	Fresh water pipe wasted on wheel house deck, to be renew.	1 Job								
41	Jawan bath room following work to be completed:- i) Flush valve and lines of WCs corroded/holed. To be renew (05 No's.) ii) Partition bulkheads corroded/wasted. To be Renewed. iii) Showers, FW line, valve corroded/wasted. To be Renewed. iv) Crew toilet WC doors (06 No's) perished. To be repaired /Renewed. v). Mirrors of all bath rooms to be Renewed.	1 Job								
42	Wasted partition bulkheads to be Renewed.	1 Job								
43	Bathroom panelling of 02 No's. SO's cabin, VIP and Captain cabin cracked, to be Renewed.	1 Job								
44	VENTILATION SYSTEM : At following location ventilation flaps on weather deck wasted, closing butterfly bolts and nuts wasted and jammed, rubber gasket hardened, retainer hooks	1 Job								

	perished, same to be Renewed: i) Auxiliary Engine Room (03 No's) ii) Galley iii) Officer's /SOs/captain and jawan's cabin iv) Magazine/ Kote v) Buson store vi) Petrol Compartment vii) Bath Rooms viii) AHU intake								
45	Crew bathrooms & galley louvers cracked and broken. To be replaced (appx. 08 nos.)	1 Job							
46	Toilet, galley exhaust fan motor be overhauled.	1 Job							
47	AHU compartment air intake louvers and flap wasted .to be Renewed.	1 Job							
48	AHU trunking deck piece wasted and holed. to be repaired.	1 Job							
49	AHU foundation water, to be cropped and Renewed.	1 Job							
50	Grease filter of galley exhaust wasted. To be Renewed (Material – SS wire mesh and frame (Qty-04 No's)	1 Job							
51	VIP cabin and SOs cabin toilet, galley exhaust fan not working to be repaired.	1 Job							
52	ANCHORING AND MOORING EQUIPMENT : Anchor wire rope (port, Stbd & Aft) to be Renewed (approx length 55 mtrs each, 19 mm dia .EFSWR. Accessories to be examined for wear & tear. To be Renewed if found worn out beyond permissible limit.	1 Job							
53	Serviceability check of electromagnetic and Mechanical brake of anchor winch (port & stbd and aft) to be carried out and Renewed if necessary.	1 Job							
54	Brake lining of FWD (P&S) and Aft winch to be examined and Renewed if necessary.	1 Job							
55	Anchor wire ropes thimble eyes (port & stbd) cramping perished. To be repaired.	1 Job							
56	Anchor rollers (port &stbd) found wasted. To be Renewed.	1 Job							
57	PORT & STBD windlass foundation found wasted . Foundation to be Renewed.	1 Job							
58	Anchor stowage cradle (03 Nos) found wasted to be Renewed	1 Job							
59	Anchor stowage foundation (fwd anchors) wasted. To be Renewed	1 Job							
60	Three anchor strops perished, to be manufactured.	1 Job							
61	Anchor winches (port, Stbd and Aft) to be removed from foundation. Foundation to be chipped and cleaned. Renewed to be undertaken as necessary and winches to be fitted.	1 Job							
62	Anchor weight of (stbd, port and Aft) are required to checked and may be Renewed if necessary .	1 Job							

63	Painting of anchors and their attached parts are required to be carried with appropriate paints.	1 Job							
64	GUARD RAILS :EFSWR rope of Guard rails on main deck, Deck -02 and Deck- 01 wasted, to be Renewed with properly cramped ends.	1 Job							
65	Guard rails supporting hollow pipes of Main Deck, Deck -02 and Deck- 01 are required to be Renewed.	1 Job							
66	Wasted guardrail stanchions to be repaired.	1 Job							
67	Weather deck guard rail wire rope perished. To be Renewed. (EFSWR, Length 65 meter, 12mm Dia	1 Job							
68	BOAT DAVITS : Boat davit falls and pendent to be inspected for excessive wear, tear, corrosion and damage. Replace wire if necessarily. Boat slings to be Renewed.	1 Job							
69	Davit arm stowage brackets (04 davits) wasted. Brackets to be Renewed.	1 Job							
70	Boat davit planetary gear wasted guard (02 no's) to be repaired.	1 Job							
71	Electromagnetic brakes of boat davit (4 Nos) not holding under load to be repaired.	1 Job							
72	Minor Oil leakages found from manual gear box of 04 davits. To be repaired	1 Job							
73	All four davit foundation tripping brackets found wasted. Renewed to be undertaken as necessarily	1 Job							
74	Operational checks of limit switches of boat davits to be carried out and repaired as necessary (04 davits).	1 Job							
75	Boat davits to be load tasted to applicable load and operational trail to be completed.	1 Job							
76	FPB CRADLE : Boat stowage cradle (04 No's) and neoprene rubber covering found wasted required to be Renewed and painting should be done with appropriate paint.	1 Job							
77	AIR PIPES/SOUNDING PIPES : Air vent pipe, flaps, wire mesh and rubber perished (size- 250 mm Dia-10 No's, 50 mm dia.-10 No's, 75 mm dia.-03 no's) and butterfly bolts jammed/ broken. To be repaired/Renewed.	1 Job							
78	Air Pipe of sewage stowage tank cracked near 02 deck . to be repaired.	1 Job							
79	FO tank mushroom head to be serviced.	1 Job							
80	All air vent heads to be overhauled.	1 Job							
81	BILGE PUMPING ARRANGEMENT : All mud strainer box to be removed, Cleaned repaired/Renewed and refitted.	1 Job							
82	All mud boxes required to be cleaned.	1 Job							
83	Pipe lines which are used for cleaning the mud box with help of fire pump to be inspected and Renewed as per requisite.	1 Job							
84	Semi rotary double acting hand pump (02 No's) on weather deck (aft) to be repaired & operational trial of the pump to be shown.	1 Job							

85	One rod gear of Deck drainage valve near magazine required to be repaired and operationally proved	1 Job								
86	Sea water lines (Bilge, fire, GS system) to be pressure tested and renew as per requisite.	1 Job								
87	Sea chest clearing lines to be removed cleaned and pressure tested .Renew if necessary.	1 Job								
88	Pressure testing of bilge system piping to be carried out. Repairs to be undertaken as necessary.	1 Job								
89	DG set (P&S) sea water cooling line wasted to be Renewed.	1 Job								
90	Pressure testing of fresh water system piping to be carried out. Repairs to undertaken as necessary.	1 Job								
91	MACHINERY : Remote control of main engines required to be checked and repaired as necessary	1 Job								
92	Suction and delivery line vacuum and pressure gauges of following system not working, required to be Renewed:- i) Domestic Sea water- 04 No's ii) Domestic fresh water -04 No's iii) Fire and Bilge pump -04 No's v) FO Transfer pump -02 No's vi) DG Set Sea water pump--02 No's.	1 Job								
93	Auto cut In/cut off system of domestic fresh water and Sea water tank to be fitted and trial to be shown.	1 Job								
94	LIFE SAVING APPLIANCES (LSA) : LSA checked as per LSA Plan and found following deficiencies :- a) 02 No's life buoy with self-igniting light to be provided b) 02 No's life buoy with self-igniting light and smoke signal to be provided. c) Ship distress signal required to be Renewed. d)Rigid life rafts to be repaired. Life Lines found perished to be Renewed	1 Job								
95	Buoyant apparatus are required to be Renewed at Port and STBD Side.	1 Job								
96	Mechanical foam type fire extinguisher (50 kg) fitted in the engine room to be serviced.	1 Job								
97	Life buoys found cracked. New buoys to be provided.	1 Job								
98	Rigid life buoys to be repaired. Life lines to be Renewed.	1 Job								
99	NAVIGATION EQUIPMENTS : GPS unit along with all assy. to be serviced.	1 Job								
100	Radar unit along with all assy. to be serviced	1 Job								
101	Echo Sounder unit along with assy. is defective and not working, required to be Renewed.	1 Job								

102	Magnetic compass required to be repaired/Renewed if required.	1 Job																																											
103	<p>CENTRAL AC PLANT : According to maintenance record of central AC , it is found that the CMC given to a firm cost lots of money and the performance of central ac after the repair work done by the mechanic team of firm was not up to desired standard, along with this the power load due to central AC of 30 ton capacity on the DG set is very high, so it is suggested to provide alternative air conditioning system like split AC for various cabins instead of central ac system. Details of ACs and their placement with Make and model are as under r :- (MAKE/MODEL - Suitable to Marine application).</p> <p>10. SOs Cabin – 1 Ton (5 Star) – 01 No 11. Captain Cabin-1 Ton (5 Star) – 01 No 12. Officers Dinning hall- 1 Ton (5 star)- 01 No 13. VIP-II – 1 Ton (5 star) -01 No 14. Coy Comdr cabin- 1 Ton (5 star) -01 No 15. Wheel House – 2 Ton (5 star) – 02 Nos 16. Jawan cabin – 2 Ton (5 star) – 02 Nos 17. ORs Dinning Hall – 2 Ton (5 star) -01 No 18. SOs dining Hall – 2 Ton (5 star) -01 No</p> <p>Note – Connecting tubes, evaporator coils (inner unit) and condenser unit tubes (outer unit) of split ACs , must be copper made only.</p>	1 Job																																											
104	SPLIT AC : All split AC's installed in vessel are required to be serviced and their cooling capacity must be trailed after servicing.	1 Job																																											
105	COMMUNICATION EQUIPMENT Intercom system required to be repaired/servicing.	1 Job																																											
106	All communication sets/system/ communication items including all items installed in wheel house are required to repaired/Renewed if required.	1 Job																																											
107	<p>Valves : Following system valves to be opened up & examined in the dismantled condition. Repair/ renew as applicable.</p> <table border="1"> <thead> <tr> <th>Sl No</th> <th>System</th> <th>Sub No</th> <th>Size of valve</th> <th>Qty</th> <th>Type of valve</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td rowspan="6">Bidge and GS system</td> <td>i)</td> <td>65 NB</td> <td>04</td> <td>SDNRV(angle)</td> </tr> <tr> <td></td> <td>ii)</td> <td>50 NB</td> <td>07</td> <td>SDNRV(straight)</td> </tr> <tr> <td></td> <td>iii)</td> <td>65 NB</td> <td>01</td> <td>O.B.D.V(angle)</td> </tr> <tr> <td></td> <td>iv)</td> <td>65 NB</td> <td>01</td> <td>SDNRV(straight)</td> </tr> <tr> <td></td> <td>v)</td> <td>65 NB>50NB</td> <td>01</td> <td>Reducer</td> </tr> <tr> <td></td> <td>vi)</td> <td>50 NB</td> <td>01</td> <td>SDNRV with rod ge</td> </tr> </tbody> </table>	Sl No	System	Sub No	Size of valve	Qty	Type of valve	a)	Bidge and GS system	i)	65 NB	04	SDNRV(angle)		ii)	50 NB	07	SDNRV(straight)		iii)	65 NB	01	O.B.D.V(angle)		iv)	65 NB	01	SDNRV(straight)		v)	65 NB>50NB	01	Reducer		vi)	50 NB	01	SDNRV with rod ge	1 Job						
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110	(d) FW domestic filling And supply system	i) ii) iii) iv)	40 NB 50 NB 65 NB 65 NB	03 02 01 06	Stop valve SDNRV(angle) Stop valve Stop valve	1 Job							
111	(e) Scupper and discharge system	i) ii) iii) iv) v) vi) vii) viii) ix)	50 NB 50 NB 50 NB 50 NB > 40 NB 100 NB > 65 NB 65 NB > 50 NB 40NB >32NB 50NB >32NB 40 NB	03 01 01 01 01 01 01 01 01	Storm valve Stop valve NR valve Reducer Reducer Reducer Reducer Reducer SDNRV(straight)	1 Job							
112	2. Sea chest valve 02 No's. Required to be repaired/Renewed if necessity. Note :- In addition of above, firm must be checked all types of valves which are installed in vessels and necessary servicing/repared/Renewed required to be carried out.					1 Job							
113	FIRE FIGHTING ARRANGEMENT : All portable extinguishers to be serviced and adequate spare charge to be provided.					1 Job							
114	Fire hose and their boxes on weather deck and main deck to be Renewed. (04 in no's)					1 Job							
115	Two fire hose box & securing foundation bracket on W/deck found wasted ,to be Renewed.					1 Job							
116	All fire Hydrant to be serviced, rubber seals to be Renewed. (Spare rubber seals to be provided -10 No's.) .					1 Job							
117	Wasted rubber seals of hydrants to be Renewed.					1 Job							
118	Fire main and drain pipe securing brackets on weather and wheel house deck wasted .securing brackets to be Renewed.					1 Job							
119	Fire main system pipes found wasted and temporary repaired variously. Carry out pressure testing of the system lines and repair/renew as necessary.					1 Job							
120	PETROL PUMP Servicing of the petrol pump by competent authorised firm					1 Job							
121	ELECTRICAL SYSTEM : Insulation resistance (Megger test) and original equipment manufacturers (OEM) recommended preventive maintenance to be carried out for the following electrical items:- i) All electrical Machinery ii) Power and lighting circuits. iii) Main switch board including safety check iv) Main panels all indicators system and their functioning is required to be checked and					1 Job							

	repaired/Renewed.								
122	General alarm audio & visual alarm (80-100 db) not working. To be repaired & proved	1 Job							
123	Search lights presently installed have not given proper focusing and same is required to replace with new search light with high quality of focus	1 Job							
124	Serviceability checks and repair of following lights to be carried out as applicable :- i) Navigation light (port and stbd) ii) NUC light. iii) Anchor light iv) Towing light v) Masthead light vi) Side light (Port & STBD)	1 Job							
125	Serviceability checks of following batteries to be carried out. Renew as necessary. (d) Main engine starting (Port & STBD) (e) Auxiliary Engine starting (Port & STBD) (f) Emergency Power	1 Job							
126	(FRP) Battery box for signal centre and for emergency batteries to be provided on wheel house deck (size 600 X 450 X 900 mm)- Qty-02 Nos	1 Job							
127	Bunk fans (30 no's.) of Jawan's accommodation defective, to be Renewed.	1 Job							
128	All AC bulbs fitted at vessel required to be replaced with LED bulbs (10 watts)	1 Job							
129	All vessels tube light fitting required to be replaced with CFL framing fitting	1 Job							
130	Auto cut in/cut off of the domestic fresh water tank and sea water tank to be fitted and trails to be shown	1 Job							
131	Galley water cooler is required to be repaired/Renewed.	1 Job							
132	Hot plates of hot plate assembly are required to be replaced with new ones.	1 Job							
133	New aqua guard of 40 personnel capacity is required to instated in galley.	1 Job							
134	Announcing PA equipment/amplifier power supply on off system is required to be installed and repaired /Renewed.	1 Job							
135	New wall fans are required to be installed in all store rooms including galley.	1 Job							
136	Load capacity of Step down (2 no's) transformer available in engine room needed to be servicing/repair and load capacity to be checked..	1 Job							
137	Control panel DG Set and main engine required to be repaired	1 Job							
138	Electric horn/siren not working properly to be repaired /Renewed with increase the sound frequency	1 Job							
139	All 24 Volts DC bulbs of vessel are required to be replaced with specified LED DC Bulbs.	1 Job							
140	Two fixed type flood lights to be provided on forecastle deck in front of LMG Mounting post.	1 Job							
141	Refrigerator installed in Galley, VIP Cabin, captain cabin and Jawan dinning hall are required to be servicing /Renewed as per requisite.	1 Job							

142	04 no's. Deep freezer to be servicing and their sockets (04 nos.) to be provided of 15 Amps capacity	1 Job							
143	Washing machine installed in crew bathroom not in working condition required to be servicing/Renewed if required.	1 Job							
144	Electrical mounting board for deep freezers are required to be repaired/Renewed.	1 Job							
145	02 No's. fans in Jawan's dining hall required to servicing/Renewed and 04 no's, new wall fans required to newly installed .	1 Job							
146	One (10 Ltr's capacity) geyser in jawan bathroom required to be repaired and Pipe line to be Renewed.	1 Job							
147	Geysers installed in various cabin of FBOP are required to be servicing/Renewed if required	1 Job							
148	03 No's. Wall mounted fans of various accommodation areas defective. Required to be repaired	1 Job							
149	Shore connection cable securing reel foundation wasted to be Renewed	1 Job							
150	Shore supply box hinges wasted. To be repaired	1 Job							
151	VIP , Captain, SOs and crew toilets exhaust fan /exhaust system required to be repaired.	1 Job							
152	All electrical supply wires are required to checked /tested and Renewed if necessity.	1 Job							
153	One Electrical bulb is required to be installed near the STBD side petrol pump	1 Job							
154	MISCELLANEOUS Intercom box on forecastle deck perished to be Renewed	1 Job							
155	Following system pipes found holes and wasted to be Renewed. (iii) Sea water system Appx length 20 meter (material : GI Pipe) (iv) Fresh water system Appox length 08 meter (Material : GI Pipe)	1 Job							
156	02 Nos Embarkation/disembarkation ladders wasted. Ladders to be Renewed.	1 Job							
157	Load testing of gangway to be carried out	1 Job							
158	Table top of jawans dinning hall perished , to be Renewed (02 Nos-6'Ft X 2 Ft each)	1 Job							
159	Sofa set of jawans dining hall, VIP cabin and SO cabin to be polished. Upholstery to be changed.	1 Job							
160	Panelling of VIP cabin, master cabin bath room, entrance lobby, officers' mess and all toilets wasted. To be Renewed (Approx. 600 sq ft).	1 Job							
161	Tables top of jawan s, SO & officer dining hall perished. to be Renewed.	1 Job							
162	Canvas covers of following to be stitched. f) Anchor winch-03 Nos. g) Boat davit motor -04 Nos. h) Anchor winch switch -03 Nos. i) Boat davit switch-04 Nos. j) Magnetic compass-01 No	1 Job							

163	LMG Stand required to be Renewed	1 Job							
164	Foldable mast is required to be fabricated instead of fixed mast	1 Job							
165	Two in no's. Battery boxes on W/H deck wasted. To be Renewed.(2'x1.5'x 3' & 4'x 2'x1.5')	1 Job							
166	Cloth covers of 40 bunk cushions faded/torn. Covers to be Renewed.	1 Job							
167	One washing machine (09 kg) not working, body wasted .to be Renewed.	1 Job							
168	Threaded rubber mats of wheel house torn/perished. To be Renewed Fresh water pipe wasted on wheel house deck, to be Renewed	1 Job							
169	Crew bath room following work to be completed:- i) Flush valve and lines of WCs corroded/holed. To be Renewed (05 No's.) ii) Partition bulkheads corroded/wasted. To be Renewed. iii) Showers, FW line, valve corroded/wasted. To be Renewed. iv) Crew toilet WC doors (06 No's) perished. To be repaired /Renewed. v). Mirrors of all bath rooms to be Renewed.	1 Job							
170	Varnishing/polishing of wooden work in following compartment to be done:- i) Officer dining hall ii) VIP and master cabin iii) Crew dining hall	1 Job							
171	Clothes covers of 30 bunk cushion's faded/torn. Covers to be Renewed.	1 Job							
172	Mortise lock of the SOs and VIP cabin defective, to be Renewed	1 Job							
173	06 in no. bunk cushion of SO's cabin & VIP cabins torn. To be replaced/Renewed	1 Job							
174	09 no's. Mortise lock of cabin doors defective. To be Renewed.	1 Job							
175	New fresh water point along with valve is required to be installed at front of weather deck.	1 Job							
176	Jawan bathroom drain is required to be fabricated both side in bathroom	1 Job							
177	ANTICIPATED SCOPE OF WORK FOR UNDER WATER/HULL PORTION The firm to chip clean all tank top, bilges of machinery spaces and other accessible internal surfaces of underwater hull up to and including area 500 mm above boot top line and firm to carry out visual survey and repair. Firm to restore the paint scheme.	1 Job							
178	The firm shall produce certificate from concerned authorized Govt. agency for carrying out hot work in the vessel as per the requirement of IRS Kolkata	1 Job							
179	Firm to carry out air and water pressure testing of water-tight compartments and rectify the defects.	1 Job							
180	Firm to schedule and present ship to coordinate to conduct post dry docking repair trials one week prior to completion of dry docking repairs to prove the water tightness of WT compartments. Defects, if any to be rectified	1 Job							

181	Firm to carry out air pressure testing of tanks where structure Renewed has been undertaken	1 Job							
182	Firm to remove marine fouling from the hull using wooden scrapper by hydro jet-blasting/short blasting or equivalent means.	1 Job							
183	Firm to scrap and clean under water and boot topping area (including wind and water areas) to remove all loose paint film, rust etc. Wind and water areas to be considered up to 500 mm above boot top. Wind and water area is to be painted with paint as per the paint scheme 100% under water hull to be visually surveyed. Structure graded critical to be surveyed with the help of ultrasonic equipment. Particular attention to be paid to the hull plating in the vicinity of propellers, shaft, brackets fitting up to the rudder head, boot top areas (including wind and water areas), inlets/outlets and areas in the vicinity of keel which rests closely on dock blocks for sign of corrosion and damage i.e. breakdown of paint, dent, pinholes, cracks, etc. Indentation on the shell plating be closely examined taking into consideration the effect on the structural strength and eddy raising current. The permissible limits of distortions/indentation on the plates are to be guided structural Drawings	1 Job							
184	Excessive areas of breakdown of abrasive anticorrosive paints to be blasted and recoated with full paint scheme. Paint scheme on full underwater hull and boot top including wind and water areas. i.e. area upto 500 mm above boot top area is to be restored after survey and repair.	1 Job							
185	Firm to carry out ultrasonic gauging of the area where paint film is deteriorated or signs of corrosion are noticed. Firm to cater for 2000 points of UTG (Ultra Sonic Gauging). In case Hull thickness is reduced by more than 10%, the plate is to be Renewed.	1 Job							
186	Firm to check clearness of lower and upper bearings.	1 Job							
187	Firm to examine Rudder Propeller and Hull plating in the vicinity of Rudder shaft and brackets, Rudder Head and Keel.	1 Job							
188	Firm to inspect sacrificial anodes fitted to underwater hull, rudders, propeller, inlets and Outlets, Sea tubes, Bilges and void spaces. Renew those consumed 50% or more and clean remaining sacrificial anodes.	1 Job							
189	Firm to carry out the visual survey of inlets and discharges. Clean and examine grating of inlets and discharges. Examine plating and coating of inlets and discharges and areas adjacent to them. Carry out repairs as required.	1 Job							
190	Firm to clean and examine minimum 50% of sea tubes for internal corrosion, excessive pitting, cracks etc. Firm to be made functional either by repair or Renewed with the related Guarantee/Warranty as necessary pressure test to be carried out of repaired sea tubes.	1 Job							
191	All sea chests, main sea suction and over board discharge opening to be examined. Sea tubes removed for repair to be abrasive blasted and coated with solvent free epoxy composition. This is to be followed by one coat of tie-coat and anti-fouling paint system specified for outer bottom of the vessel. Fairing plates laps, welds etc to be faired with Epoxide putty before the first coat of SFE (Solvent Free Epoxy) is dry.	1 Job							
192	Sea tubes not accessible for preservation by painting to be spray coated with the coat and anti-fouling paint.	1 Job							
193	Firm to survey under water appendages for roughness and fairness and corrosion, paying particular attention to bracket, eddy plates, bilge keel plate, fin etc. Firm to cater for Renewed of two in numbers bracket/eddy plates.	1 Job							
194	Firm to check draught marks are in position and carry out painting.	1 Job							

195	Firm to clean to bare metal all corroded areas and areas of paint failure of underwater appendages and paint.	1 Job							
196	Firm to clean and repaint the sea side surface of Rudder Propeller.	1 Job							
197	Firm to examine structure for deterioration of paint.	1 Job							
198	Particular attention to shell plating at fendering position and in way of Anchors where abrasion is probable. Portable or semi-portable fitting that obscure structure are to be removed for examination of structure behind. Structure revealed by the removal of portable fitting is to be recoated before replacement. Paint scheme damaged to be removed and restored.	1 Job							
199	Firm to thoroughly examine structure of Magazine, paying particular attention to the sasses of watertight bulkheads and deck areas obscured by stowage, fittings and ventilation trunking. Remove loose flaking paint, paint which have built up to excessive thickness and any traces of corrosion by chipping, scrapping and wire brushing. Thoroughly dry these exposed surfaces and recoat.	1 Job							
200	Firm to examine structure for deterioration of paint, not covered by lagging or deck coverings paying particular attention to Decks. Deck boundaries lower areas of ship sides and bulkheads. Portable or semi- portable fittings that obscure structure are to be removed for examination of structure behind. Structure revealed by the removal of semi-portable fittings is to be recoated before the fittings are replaced.	1 Job							
201	Rudder and propeller clearance to be measured and if found out of permissible limits, the relevant worn out liners, bearing to be Renewed accordingly.	1 Job							
202	Anchors and chain cables to be laid and examined for wear down. Worn out chain links to be Renewed as per the class requirements. All Valves , Fire Fighting Equipment's, Fire Fighting Apparatus, Motors, Pumps, Electrical penal/systems /navigation equipment's installed in vessel Must be tested by registered firm /organisation and certificate regarding serviceability of above equipment's are required to be provided	1 Job							
203	All bills and warranty certificate of new equipment/apparatus which will be installed during dry dock repair, required to be provided to Water Wing BSF Rajarhat	1 Job							
204	PAINTING & MARKING : Painting and marking of ship as per the requirement be done by the tenderer before carrying out of final test. Painting to be done as per painting scheme (see the Painting Scheme in Annexure-I).	1 Job							
	Total In Figure								
	Total in Wards								

Note:-

Deck plate found pitted variously and would require Renewed. The actual extent of steel Renewed would be ascertained after thickness gauging of decks .It is envisaged that 10-12 tons of steel Renewed may be required. Approximate 25 tons \pm 10% steel may be required during dry dock repair for replacement of defective and pitted steel plates of FBOP SP Durga

(i) Approximate 25 Ton steel plates is estimated to be replaced during the dry dock repair.

(ii) Rate per ton for steel plate required for repair must be shown separately.

(iii)The actual quantity of steel replaced/Renewed during repair be assessed by the BSF Board of Officers and BSF supervisory staff for dry dock repair and the payment will be made for actual consumption as per quoted rate per tonnage.

a)	Tenderers are requested to read the instructions given below the Price Bid Proforma carefully before filling the same.
b)	The complete commercial quote should be in one currency only i.e INR or Euro or US\$. Currency of price should be clearly mentioned.
c)	For evaluation and comparison of offers on equitable basis all the quoted prices (with different currencies) will be converted into a single currency i.e. INR as per the selling exchange rate established by RBI/SBI as prevailing on the date of Opening of Tender.
d)	<p>Tenderers are required to indicate Basic Prices, Custom Duty, GST and any other leviable taxes/charges separately within the Performa for Price Bid given at Appendix-9. Taxes/duties/charges reflected outside the Performa will not be accepted. Tenderer must attach copies of Govt. Notification in support of all applicable Taxes/ duties/ charges quoted in the offer.</p> <p>The firm has to mention prevailing custom duty/ other taxes in the proforma along with price bid and must attach copy of Govt. notification in this regard. If Custom Duty/ any other taxes is quoted/ reflected as "Nil" or "Zero" under relevant column of Price Bid, no Custom Duty Exemption Certificate (CDEC) / any other tax exemption will be granted. Subsequently upon placement of Supply Order, no further request will be entertained in this regard. Final payment would be made only on production of other tax clearance.</p>
e)	Other Statutory Taxes will be applicable at actuals, if admissible.
f)	Tenderer will attach justification of price quoted. This also includes the recently executed contracts of the store in question with Govt/ Semi Govt. organization etc. All the documents should be provided in pdf format.
g)	Firm will provide consumables & spares free of cost during demonstration and training.
h)	Rates quoted for Srl No. 1 to 34 would be considered for deciding L-1. L-1 will be decided on the final value (total amount with taxes) i.e. the item would cost to BSF. Rates will be compared by taking account inclusive of all Taxes & Duties to decide L-1.
i)	No column should be left blank. Wherever amount is not quoted, the column should be filled with basic rate i.e 00.00.
j)	The decision/interpretation of BSF shall be final in all respect.

APPENDIX-10**ELECTRONIC CLEARING SERVICE (CREDIT CLEARI PAYMENTS.****A. DETAILS OF ACCOUNT HOLDER –**

Name of account holder	
Complete contact address	
Telephone number/Fax/E-mail	

B. BANK ACCOUNT DETAILS:-

Bank name	
Branch name with complete address, telephone number and E-mail	
Whether the branch is computerized?	
Whether the branch is RTGS enabled? If yes, then what is the branch's IFSC code?	
Is the branch also NEFT enabled?	
Type of bank account (SB/current/cash credit with 10/11/13)	
Complete bank account number (<u>new</u>)	
MICR code of bank	
Name & address of the beneficiary/ payee	
IFCS (Indian financial system) code	

C. DATE OF EFFECT –

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed, or not effected at all for reasons of Incomplete or Incorrect Information, I would not hold the user Institution responsible. I have read the option Invitation letter and agree to discharge responsibility expected of me as a participant under the Scheme.

Date:

(.....)

Signature of Customer

Certified that the particulars furnished above are correct as per our records.

(Bank's Stamp)

(.....)

Date:

Signature of the Authorized Official from the Bank

1. Please attach a photocopy of Cheque along with the verification obtained from the Bank.
2. In case your Bank Branch is presently not "RTGS enabled", then upon its up gradation to "RTGS Enabled" branch, please submit the information again in the above Proforma to the Department at the earliest.

SECURITY CLEARANCE DETAILS

Name	::	
Father's Name in full/ Nationality	::	
Date of Birth	::	
Place of Birth	::	
Nationality	::	
Passport Number	::	
Issued by	::	
Valid till	::	
Indian Visa Number	::	
Visa Validity	::	
Present Address	::	
Name of the Firm	::	
Designation	::	
Address in India Name of the firm/ institution whom representing/address/contact numbers	::	
Meeting requested with	::	
Place of meeting	::	
Date & time of meeting	::	
Lap Top Serial No.(If you plan to take with you for meeting	::	

Note :- In case of foreign rep, must enclose with Technical Bid.

CERTIFICATE TO BE SIGNED BY THE TENDERER**DECLARATION CERTIFICATE**

It is certified that I/We have read over and understood all instructions contained in tender enquiry and its schedule along with policy matter given in Rules of **contained in the GFR 2017, Manual of Ministry of Finance for procurement of goods 2017 & all orders issued by MHA, CVC** and other relevant departments of Government of India from time to time till date of issue of this tender, placed by the Central Purchase Organization of the Government of India”, as amended up to date. I/We have also understood that **any special conditions attached to this invitation to tender will also form part of the conditions of contract and will supersede any general condition.**

2. It is declared that all Appendix and forms given in Chapter IX and all other required documents are properly filled stamped and signed as correct and updated in best knowledge of bidder. This will be in support of bidders eligibility, qualification and responsiveness of their bid.

3. **It is declared that all requisite Appendix, questionnaire and format given in Chapter-IX are duly signed , stamped and uploaded on CPP portal well before last date and time**

4. Bidder is responsible for the correctness of the information filled in the Bid documents and shall be responsible for legal course of action in case of any mischief, incorrect, misleading fact or declaration found in their technical bid and other relevant documents. In that case they would also be liable for suspension of business, debar from participation in BSF alongwith other CAPF (MHA) tender.

Signature of tenderer:-_____

Name in block letters: _____

Name of firm: _____

Full address: _____

Telephone No. _____

Mobile No. _____

Fax No. _____

Email id _____

Website _____

PRE- INTEGRITY PACT CLAUSE**GENERAL :-**

1. Whereas the PRESIDENT OF INDIA, represented by BSF, hereinafter referred to as the Buyer and the first party, proposes to procure (Name of the Equipment), hereinafter referred to as Defence Stores, and M/s _____, represented by _____ (Designation which term, unless expressly indicated by the contract, shall be deemed to include its successors and its assignees), hereinafter referred to as the Bidder/Seller and the second party, is willing to offer/ has offered the stores.
2. Whereas the Bidder is a private company/public company/partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the Buyer is a Ministry of the Government of India performing its functions on behalf of the President of India.

OBJECTIVES

3. Now, therefore, the Buyer and the Bidder agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/ unprejudiced dealing prior to, during and subsequent to the currency of the contract to be entered into with a view to:-
 - 3.1 Enabling the Buyer to obtain the desired defence stores at a competitive price in conformity with the defined specifications of the Services by avoiding the high cost and the distortionary impact of corruption on public procurement, and
 - 3.2 Enabling bidders to abstain from bribing or any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also refrain from bribing and other corrupt practices and the Buyer will commit to prevent corruption, in any form, by their officials by following transparent procedures.

COMMITMENTS OF THE BUYER

4. The Buyer commits itself to the following:-
 - 4.1 The Buyer undertake that no official of the Buyer, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.
 - 4.2 The Buyer will, during the pre-contract stage, treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.
 - 4.3 All the officials of the Buyer will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
5. In case of any such proceeding misconduct on the part of such official (s) is reported by the Bidder to the Buyer with full and verifiable facts and the same is prima facie found to be correct by the Buyer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Buyer and as such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Buyer the proceedings under the contract would not be stalled.

COMMITMENTS OF BIDDERS

6. The Bidder commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:-
- 6.1 The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Buyer, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.
 - 6.2 The Bidder further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Buyer or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person relation to the Contract or any other Contract with the Government.
 - 6.3 The Bidder will not collude with other parties interested in the Contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
 - 6.4 The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
 - 6.5 The Bidder further confirms and declares to the Buyer that the Bidder is the original manufacturer/integrator/authorised government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Buyer or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
 - 6.6 The Bidder, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the Buyer or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
 - 6.7 The Bidder shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.
 - 6.8 The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
 - 6.9 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

7. PREVIOUS TRANSGRESSION

- 7.1 The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India, that could justify bidder's exclusion from the tender process.
- 7.2 If the Bidder makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

8. **EARNEST MONEY/SECURITY DEPOSIT**

- 8.1 Every bidder, while submitting commercial bid, shall deposit specified amount as Earnest Money/Security Deposit, with the buyer through any of the following instruments:-
- (i) A confirmed Bank Guarantee/ FDR by an Indian Nationalized Bank, promising payment of the guaranteed sum to the Ministry of Defence, Government of India, represented on behalf of the President of India, on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the Buyer shall be treated as conclusive proof for payment. A model Bank guarantee format is enclosed.
- 8.2 The Earnest Money/Security Deposit shall be valid up to a period as mentioned in Chapter-II of T.E. or the complete conclusion of contractual obligations to complete satisfaction of both the bidder and the buyer, whichever is later. In case there are more than one bidder, the Earnest Money/Security Deposit shall be refunded by the buyer to those bidder(s) whose bid(s) does/do not qualify for negotiation by the Commercial Negotiation Committee (CNC), as constituted by the Buyer, immediately after a recommendation is made by the CNC on the bid (s) after an evaluation.
- 8.3 In the case of successful bidder a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the Buyer to forfeit the same without assigning any reason for imposing sanction for violation of this pact.
- 8.4 The provisions regarding Sanctions for Violation in Integrity Pact include forfeiture of Performance Bond in case of a decision by the Buyer to forfeit the same without assigning any reason for imposing sanction for violation of Integrity Pact.
- 8.5 No interest shall be payable by the Buyer to the Bidder(s) on Earnest Money/Security Deposit for the period of its currency.

9. **COMPANY CODE OF CONDUCT**

- 9.1 Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

10. **SANCTIONS FOR VIOLATION**

- 1.1 Any breach of the aforesaid provisions by the Bidder or any one employed by him or acting on his behalf (whether with or without the knowledge of the Bidder) or the commission of any offence by the Bidder or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1988 or any other act enacted for the prevention of corruption shall entitle the Buyer to take all or any one of the following actions, wherever required:-
- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other bidder(s) would continue.
 - (ii) The Earnest Money / Security Deposit / Performance Bond shall stand forfeited either fully or partially, as decided by the Buyer and the Buyer shall not be required to assign any reason therefore.
 - (iii) To immediately cancel the contract, if already signed, without giving any compensation to the Bidder.
 - (iv) To recover all sums already paid by the Buyer, and in case of an Indian Bidder with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a Bidder from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the Bidder from the Buyer in connection with any other contract for any other defence stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
 - (v) To encash the advance bank guarantee and performance bond/warranty bond if furnished by the Bidder, in order to recover the payments, already made by the Buyer, along with interest.

- (vi) To cancel all or any other Contracts with Bidder.
- (vii) To debar the Bidder from entering into any bid from the Government of India for minimum period of five years, which may be further extended at the discretion of the Buyer.
- (viii) To recover all sums paid in violation of the Pact by Bidder(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) If the Bidder or any employee of the Bidder or any person acting on behalf of the Bidder, either directly or indirectly, is closely related to any of the officers of the Buyer, or alternatively, if any close relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender. Any failure to disclose the interest involved shall entitle the Buyer to rescind the contract without payment of any compensation to the Bidder.

Note:- The term 'close relative' for this purpose would mean spouse whether residing with the Government servant or not, but not include a spouse separated from the Government servant by a decree or order of the competent court; son or daughter or step son or step daughter and wholly dependent upon Government servant, but does not include a child or step child who no longer in any way dependent upon the Government servant or of whose custody the Government servant has been deprived or by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependent upon Government servant.

- (x) The bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Buyer, and if he does so, the Buyer shall be entitled forthwith to rescind the contract and all other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the Buyer resulting from such rescission and the Buyer shall be entitled to deduct the amount so payable from the money(s) due to the Bidder.
- (xi) In case where irrevocable letters of Credit have been received in respect of any contract signed by the Buyer with the Bidder, the same shall not be opened.

1.2 The decision of the Buyer to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder shall be final and binding on the Bidder, however, the Bidder can approach the monitor(s) appointed for the purposes of this pact.

11. FALL CLAUSE

- 11.1 The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India and if it is found at any stage that the similar system or sub-system was supplied by the Bidder to any other Ministry/Department of the Government of India at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded.
- 11.2 The Bidder shall strive to accord the most favoured customer treatment to the Buyer in respect of all matter pertaining to the present case.

12. EXAMINATION OF BOOKS OF ACCOUNTS

In case of any allegation of violation of any provisions of this Integrity Pact or payment of commission, the Buyer or its agencies shall be entitled to examine the Books of Accounts of the Bidder and the Bidder shall provide necessary information of the relevant financial documents in English and shall extend all possible help for the purpose of such examination.

13. LAW AND PLACE OF JURISDICTION

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Buyer i.e. New Delhi.

14. OTHER LEGAL ACTIONS

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

15. VALIDITY

15.1 The validity of this Integrity Pact shall be from the date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the Buyer and the Bidder/Seller, whichever is later.

15.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

16. The Parties hereby sign this Integrity Pact at _____ on _____

BUYER

Witness

1. _____

2. _____

BIDDER

Witness

1. _____

2. _____

ENLISTMENT APPLICATION FORM**For Indian Distributor/Seller of Foreign OEM and System Integrator using product of Foreign OEM**

1.	Name of the Indian Distributor/Seller		
2.	Address/telephone/fax/Email Id of		
	(i)	Register office	
	(ii)	Head Office	
	(iii)	Website address, if any	
3.	Status of Indian Distributor/Seller		
	(i)	Date of incorporation	
	(ii)	Constitution of the firm :- a) Proprietorship/Partnership(attach copy of Partnership deed and Form-a or equivalent entry certificate from Registrar of Firms self certified) b) Public Limited/ Pvt Limited(attach Memorandum/article of association and copy of certificate of incorporation self certified)	
	(iii)	Names, addresses and telephone nos of Proprietor/ Partners/ Directors having interest in the firm	
	(iv)	If the firm is a subsidiary of an Indian/foreign company, give particulars of parent/holding company	
	(v)	If there are other subsidiaries of the same parent company in India, give full particulars	
	(vi)	If the Directors/Partners/Proprietor have financial interests or are represented on Board(s) of other companies give details	
	(vii)	Income-tax Circle/Ward/district in which the applicant firm is assessed to Income tax, give PAN and attached copy of PAN certificate	
	(viii)	Sale Tax registration no(s)	
	(ix)	Import Export, Code number issued by DGFT, attach a copy of certificate	
4	Name & address of foreign principals		
	(i)	Contact Telephone/fax No.	
	(ii)	Website address	
	(iii)	E-mail id	

5)	Details of stores being offered		
	S/No., Description of stores, Specification with model, Limiting size/capacity Country of Origin		
6	Particulars of agency agreement with foreign principals		
	(i)	Date of agency agreement	
	(ii)	Date of expiry.	
	(iii)	Percentage of Agency Commission	
	(iv)	Territorial jurisdiction	
	(v)	Whether foreign principals has agreed to provide technical support and spare parts for after sales service	
	(vi)	Whether Indian Distributor/Seller has authority to commit and sign on behalf of the foreign principals ?	
7.	Whether Indian Distributor/Seller is prepared to quote and receive payment in Indian Rupees?		
8.	Details of personnel employed technical/ skilled/ others		
9.	State, if the product(s) carry any international quality mark. If so attach a copy of valid license.		
10.	If the products require after sales service, give names & addresses of places where such facilities are available and indicate staff employed		
	(i)	Whether the firm, Director/Partners were at any time prosecuted for any offence by any court for civil/economic offences? If yes give details	
11.	Percentage of Agency commission/profit on OEMs invoice made through selling this store/equipment		
12.	Validity of MOU with foreign OEM		

CHECK LIST FOR TENDERERS

Before submission/uploading of tender documents, Tenderers should check they have complied with the following requirements: -

Sl. No.	Requirements to be checked before submission of the tender	<u>Complied</u> (Please indicate YES or NO)	<u>Indicate Page No.</u>
1.	Earnest Money Deposit (EMD) has been enclosed. If not, then supporting documents proving exemption to this uploaded.		
2.	If registered with NSI/ DIC/ KVIC/ MSME Udhdyog Aadhar and copies of valid registration certificate uploaded.		
3.	If an SSI/MSE(Micro Small Enterprises), it has been mentioned in tender & copy of valid registration certificate uploaded.		
4.	Monthly manufacturing & supplying capacity has been mentioned in the tender documents.		
5.	Complete tender documents have been uploaded, after digital signature & stamping on all pages.		
6.	Signatures of witness with full name and address have been added wherever required on tender document.		
7.	Proposal has been submitted in two bid system – Technical Bid & separate Commercial Bid as per tender enquiry.		
8.	Offer validity as required in tender has been accepted & clearly mentioned in tender document.		
9.	Delivery Terms & Period as per tender has been accepted and mentioned in tender.		
10.	Payment Terms as per tender have been accepted and mentioned in tender.		
11.	Compliance statement in format required in tender has been uploaded along with supporting technical documents/proof for each point/parameter clearly showing it is complied with or not.		
12.	Performance(supply) statement for previous years as required in tender, in the laid down format, has been enclosed. If not, reasons be specifically given in writing.		
13.	Warranty terms as per tender accepted.		
14.	If called for in tender, Details of AMC/CAMC condition after warranty period have been included in price bid.		
15.	Status of tenderer has been clearly written in tender – manufacturer or manufacturers authorized distributor/ System Integrator/ Customized service provider. If authorized distributor, valid authority letter/MOU for the stores quoted has been uploaded.		

16.	If called for trial, tendered equipment will be deposited well in time before trial board detailed by BSF on given date, time & place alongwith necessary documents and lab report.		
17.	Lab test report from NABL accredited lab as required in tender, in original, giving clear verdict as per requirement of tender has been enclosed.		
18.	Acceptance of Functional Demo clause, as required in tender, has been specified in writing.		
19.	Free Training on use of equipment after supply, as specified in tender, has been accepted in writing.		
20.	Condition of contract have been accepted and specifically written in tender documents.		
21.	The following proforma enclosed with tender have been properly & completely filled in, signed & stamped. Offer of stores (Appendix-2) Details of participating firms (Appendix-3) Manufacturing details of Indian OEM (Appendix-4) Manufacturing details of Foreign OEM (Appendix-5) Service Center & Workshop (Appendix-6) Declaration Certificate (Appendix-12) Enlistment form (Appendix-14)		
22.	The tenderer has clearly mentioned in writing that business dealings with their firms have not been banned by any Govt/Private agency.		
23.	If the tenderer wants to mention any specific condition, it must be uploaded alongwith technical bid but on separate letter head and not in the tender documents. Such condition mentioned in any other document will not be given any consideration.		
24.	Security Clearance detail of Foreign Representative must be uploaded with visa and passport details. Bidder can give nomination of more than one foreign rep. for NCNC demo, trial & training but nomination cannot be changed after opening of technical bid because it requires substantial period of time for getting security clearance		
25.	Indigenous bidder must be prepared to offer the product/Eqpt for trial on short notice after hearing from the Purchaser/ TEC.		

LIST OF ON BOARD AND BASE TO DEPORT SPARES FLOATING BOPs

Srl. No.	PART NAME	PART NO	A/U	QTY	RATE	AMOUNT	SBP NO	LOCATION (RACK)	RMKS
1	ADAPTER HOSE	67944	Nos	10	81.36	813.60	8	01/02	ME
2	ADAPTER HOSE	43764	Nos	5	92.48	462.40	9	01/02	ME
3	AIR CLEANER KIT	3238453	Nos	4	3,741.62	14,966.48	174	TOP RACK	ME & DG
4	AIR CLEANER OUTER	405576	Nos	1	2,848.00	2,848.00	11	TOP RACK	ME
5	ALTERNATOR	3236504	Nos	2	19,390.00	38,780.00	1	01/01	ME & DG
6	AMMETER	502881	Nos	2	181.15	362.30	6	01/02	DG Set
7	ASSEMBLY INDICATOR LIGHT	3875311	Nos	3	239.37	718.11	2	01/01	DG Set
8	ATA PCB	60771850	Nos	1	43,387.50	43,387.50	7	02/06	Radar
9	AXE CONTACTOR FOR PANEL	3236504	Nos	3	920.00	2,760.00	10	01/02	Vent. Eqpt
10	BALL BEARING	3063246	Nos	2	1,218.02	2,436.04	20	01/02	ME
11	BALL BEARING	S-16093	Nos	6	273.39	1,640.34	25	01/03	ME
12	BALL BEARING	6208	Nos	5	2,024.00	10,120.00	27	01/03	ME
13	BEARING BALL	S-16004	Nos	6	401.26	2,407.56	23	01/03	ME
14	BEARING HEAD AND OIL PUMP	NIL	Nos	3	18,262.00	54,786.00	66	01/05	AC
15	BEARING SHELL	214950	Nos	12	375.89	4,510.68	24	01/03	ME
16	BELT-WP	3040349	Nos	17	948.00	16,116.00	13	01/02	ME & DG
17	BELT	178655	Nos	2	1,726.19	3,452.38	19	04/08	DG Set
18	BELT-WP	3058383	Nos	3	230.76	692.28	26	02/02	ME
19	BLANKET	3231878	Nos	3	2,496.78	7,490.34	17	01/01	DG Set
20	BOX TERMINAL	3239314	Nos	3	1,397.43	4,192.29	22	01/02	ME
21	BREATHER	3873542	Nos	6	818.10	4,908.60	16	01/01	ME & DG
22	Cable Techo meter 26"	503472	Nos	2	330.00	660.00	42	02/03	DG Set
23	CAP FILTER	NA-107981	Nos	6	178.94	1,073.64	151	01/07	ME
24	CHECK VALVE DRAIN	3879671	Nos	3	3,154.23	9,462.69	34	01/03	DG Set
25	CHECK VALVE SUPPLY	3874672	Nos	3	1,066.94	3,200.82	38	01/03	DG Set
26	CHECK VALVE SUPPLY	3879672	Nos	6	1,066.94	6,401.64	148	01/06	ME
27	CIRCULATOR (RADAR SCANNER UNIT)	58330331	Nos	1	5,687.50	5,687.50	139	01/06	Radder
28	CLAMP HOSE	208326	Nos	6	73.59	441.54	150	01/07	ME
29	CLAMP HOSE	43828B	Nos	1	19.23	19.23	136	01/06	DG Set
30	CLAMP LUB OIL HOSE	68121	Nos	10	21.47	214.70	145	01/06	ME
31	CLIP HOSE	67950	Nos	12	19.26	231.12	30	01/03	ME
32	COCK DRAIN	S-923E	Nos	3	41.50	124.50	31	01/03	DG Set
33	COCK DRAIN	S-962E	Nos	3	41.50	124.50	41	01/03	DG Set
34	COCK DRAIN	A-1083087	Nos	12	62.07	744.84	149	01/07	ME
35	CONNECTION	BM-30075	Nos	4	385.36	1,541.44	32	01/03	DG Set
36	CONNECTION	BM-30073	Nos	4	456.47	1,825.88	33	01/03	DG Set
37	CONNECTOR	3014354	Nos	6	21.73	130.38	141	01/06	ME
38	CONNECTOR ADAPTER	283050	Nos	3	94.44	283.32	146	01/06	ME
39	CONNECTOR ELBOW	129858	Nos	9	213.42	1,920.78	143	01/06	ME
40	CONNECTOR MALE	S-1097	Nos	10	59.61	596.10	147	01/06	ME
41	BELT-WP	178655	Nos	2	1,726.19	3,452.38	19	27/01	DG Set

42	CONTROL THROTTLE	329365	Nos	1	550.98	550.98	39	01/03	DG Set
43	COOLER	201849	Nos	2	8,834.49	17,668.98	45	01/04	DG Set
44	COOLER DG SET	201849	Nos	2	8,834.40	17,668.80	142	01/07	ME
45	COOLING THERMOSTATE	NIL	Nos	3	2,300.00	6,900.00	155	02/01	AC
46	CORE AFTER COOLER	3026923	Nos	1	1,64,352.30	1,64,352.30	144	TOP RACK	ME
47	CRANK CASE HEATER	NIL	Nos	2	1,288.00	2,576.00	154	02/01	AC
48	CROSS VALVE HEAD	3025293	Nos	9	2,386.70	21,480.30	152	01/07	ME
49	CUT OUT 3 TYPE (01 set consist 03 Nos)	NIL	Nos	1	9,660.00	9,660.00	156	02/01	AC
50	CYLINDER HEAD KIT	3880581	Nos	2	7,954.90	15,909.80	137	01/06	DG Set
51	CYLINDER HEAD KIT	3880582	Nos	3	9,401.80	28,205.40	153	02/01	ME
52	CYLINDER LINER	BM-98224	Nos	4	2,744.15	10,976.60	138	01/07	DG Set
53	CYLINDER LINER	3241328	Nos	6	4,227.14	25,362.84	140	03/07	ME
54	DAMPER FUEL PUMP	DM-76340	Nos	6	666.91	4,001.46	49	01/05	DG Set
55	DAMPER VIBRATION	3037156	Nos	1	6,978.10	6,978.10	48	01/05	DG Set
56	DIP STICK	103507	Nos	1	225.01	225.01	47	01/04	DG Set
57	DIP STICK	119704	Nos	1	866.83	866.83	50	01/05	DG Set
58	DISCHARGE VALVE	NIL	Nos	5	1,012.00	5,060.00	53	01/05	AC & Vent
59	DOBLE DRIVE ADAPTER	3247372	Nos	2	1,583.28	3,166.56	46	01/04	DG Set
60	DOOR GASKET OF REFRIGERATOR	NIL	Nos	3	1,950.00	5,850.00	58	Misc	FBOP
61	DRAIN COCK	108307	Nos	9	62.07	558.63	51	01/05	DG Set
62	DRIER	NIL	Nos	3	8,740.00	26,220.00	54	05/08	AC & Vent
63	DUST CAP	325660	Nos	10	88.11	881.10	52	01/05	ME
64	ELBOW COOLING WITH O RING	3033740	Nos	6	227.50	1,365.00	61	01/05	DG Set
65	ELBOW FEMALE UNION	S-1039	Nos	8	214.96	1,719.68	65	01/05	ME
66	ELBOW FLEXIBLE FUEL HOSE	68645	Nos	12	87.87	1,054.44	63	01/05	ME
67	ELBOW FLEXIBLE HOSE	S-1040	Nos	10	40.44	404.40	60	01/05	ME
68	ELBOW HOSE	68139	Nos	9	23.22	208.98	64	01/05	ME
69	ELEMENT HEAT EXCHANGER	3232254	Nos	1	12,579.68	12,579.68	62	01/05	DG Set
70	ELEMENT HEAT EXCHANGER	194730	Nos	1	34,178.14	34,178.14	296	05/08	DG Set
71	Fan Belt B-39	B 39	Nos	1	158.00	158.00	202	04/08	ME & DG
72	Fan Belt B-40	B 40	Nos	4	165.00	660.00	202	04/08	ME & DG
73	Fan Belt B-42	B 42	Nos	4	170.00	680.00	55	04/08	
74	FAN BELT B-43	NIL	Nos	6	195.00	1,170.00	56	04/08	COMON
75	FAN HUB	3878739	Nos	1	6,665.77	6,665.77	84	03/03	ME
76	FAN HUB	NIL	Nos	1	5,790.00	5,790.00	85		ME
77	FILTER LO BY PASS	3114934	Nos	1	3,598.28	3,598.28	82	03/03	ME
78	FLEXIBLE CONNECTION	3880671	Nos	1	8,774.50	8,774.50	77	01/04	DG Set
79	FREON LINE VALVE Set	NIL	Nos	3	2,484.00	7,452.00	86	03/06	AC
80	FUEL CROSS OVER	141700	Nos	3	324.39	973.17	83	03/01	ME
81	FUEL PUMP	3879481	Nos	1	59,742.23	59,742.23	81	03/03	ME
82	FUEL TUBE	3235044	Nos	3	401.92	1,205.76	78	03/01	DG Set
83	FUSE BASE AND LINE PANNEL	NIL	Nos	3	1,288.00	3,864.00	87	03/06	AC
84	FUSE ECHO SOUNDER	58951100	Nos	8	60.11	480.88	79	02/06	ECHO/S

85	FUSE ECHO SOUNDER	58951020	Nos	10	29.58	295.80	80	02/06	ECHO/S
86	GASKET	4024946	Nos	2	11,063.07	22,126.14	90	03/05	ME
87	GASKET	110855	Nos	3	13.21	39.63	92	03/01	DG Set
88	GASKET	3227542	Nos	3	473.83	1,421.49	102	03/03	DG Set
89	GASKET	3077201	Nos	12	2,678.19	32,138.28	89	TOP RACK	ME
90	GASKET (03 SET)	NIL	Nos	6	6,445.00	38,670.00	134	01/06	AC
91	GASKET 01 SET	NIL	Nos	3	2,852.00	8,556.00	135	01/06	AC
92	GASKET BY PASS VALVE	67946	Nos	12	5.31	63.72	104	03/01	ME
93	GASKET CONNECTION 18	216487	Nos	6	257.89	1,547.34	105	03/01	ME
94	GASKET ELEMENT TO HOUSING	137155	Nos	6	24.72	148.32	94	03/01	DG Set
95	GASKET EXCHANGER OUTLET CONN	137076	Nos	6	11.11	66.66	95	03/01	DG Set
96	GASKET HEAT EXCHANGER INLET	137071	Nos	3	7.92	23.76	103	03/03	DG Set
97	GASKET SET	3801468	Nos	2	14,634.44	29,268.88	88	03/05	ME
98	GASKET SET LOWWER NT-495	M-68356	Nos	2	916.47	1,832.94	96	03/01	DG Set
99	GASKET SET LOWWER NT-495	BM-62427	Nos	1	3,321.49	3,321.49	100	TOP RACK	DG Set
100	GASKET THERMOSTAT HOUSING	195950	Nos	3	13.03	39.09	91	03/01	DG Set
101	GASKET W/PUMP	3076522	Nos	5	338.25	1,691.25	133	01/06	ME
102	GASKET WATER OUTLET CONN	3032348	Nos	3	34.51	103.53	93	01/01	DG Set
103	GAUGE LO TEMP 96 "	500410-A	Nos	1	665.64	665.64	98	03/01	DG Set
104	GAUGE WATER TEMP 54 "	500108R	Nos	2	637.47	1,274.94	99	03/01	DG Set
105	GEAR CRANK SHAFT	3225605	Nos	3	9,391.93	28,175.79	132	03/01	ME
106	GREEN FILTER	NIL	Nos	1	4,048.00	4,048.00	130	TOP RACK	Vent. Eqpt
107	HEAD CYLINDER	3167S11	Nos	1	35,713.45	35,713.45	125	01/08	DG Set
108	HOSE	AK-1601846	Nos	4	884.09	3,536.36	177	02/02	ME
109	HOSE	612000	Nos	2	1,592.10	3,184.20	178	02/02	ME
110	HOSE	81200	Nos	2	1,520.32	3,040.64	179	02/02	ME
111	HOSE	AK-1062100	Nos	4	765.86	3,063.44	180	02/03	ME & DG
112	HOSE	AK-160480	Nos	4	1,760.71	7,042.84	181	02/03	ME
113	HOSE	AK-160186	Nos	2	884.09	1,768.18	182	02/03	ME
114	HOSE	64030	Nos	2	337.01	674.02	114	03/02	DG Set
115	HOSE AIR CROSS OVER	3916529	Nos	2	268.38	536.76	106	03/03	DG Set
116	HOSE FLEXIBLE	AK-1601546MS	Nos	4	1,201.42	4,805.68	111	03/01	DG Set
117	HOSE FLEXIBLE	AK-10045SSS	Nos	1	1,062.84	1,062.84	112	03/01	DG Set
118	HOSE FLEXIBLE	AK-6065SS	Nos	4	1,002.22	4,008.88	117	03/02	DG Set
119	HOSE FLEXIBLE	AK-1020-550	Nos	2	1,990.94	3,981.88	119	03/02	ME & DG
120	HOSE FLEXIBLE	10016-SS	Nos	5	438.39	2,191.95	126	01/08	DG Set
121	HOSE FLEXIBLE	16048-SS	Nos	2	1,760.71	3,521.42	127	01/08	DG Set
122	HOSE FLEXIBLE	AK-8120-S	Nos	1	1,911.33	1,911.33	128	01/08	ME
123	HOSE FLEXIBLE	AK-1602306 MS	Nos	2	1,348.91	2,697.82	160	02/02	DG Set
124	HOSE FLEXIBLE	AK-4014-SS	Nos	3	359.81	1,079.43	161	02/02	DG Set
125	HOSE FLEXIBLE	AK-4014MS	Nos	3	343.73	1,031.19	162	02/02	DG Set
126	HOSE FLEXIBLE	AK-10021 SS	Nos	3	765.86	2,297.58	163	02/02	ME & DG
127	HOSE FLEXIBLE	AK-10030SS	Nos	3	877.24	2,631.72	164	02/07	DG Set
128	HOSE FLEXIBLE	AK-10048	Nos	3	1,099.96	3,299.88	169	02/02	ME

129	HOSE FLEXIBLE	16024	Nos	5	1,368.32	6,841.60	170	02/02	ME
130	HOSE FLEXIBLE	100300	Nos	3	584.31	1,752.93	171	02/02	ME
131	HOSE FLEXIBLE	AK-0606500	Nos	3	1,002.22	3,006.66	172	02/02	ME & DG
132	HOSE FLEXIBLE	AK-160369	Nos	2	1,601.25	3,202.50	173	02/03	ME
133	HOSE FLEXIBLE	AK-060450	Nos	4	788.14	3,152.56	175	02/02	DG Set
134	HOSE FLEXIBLE	1001500	Nos	2	691.60	1,383.20	176	02/02	ME
135	HOSE FLEXIBLE	6120-SS	Nos	1	1,592.10	1,592.10	120	01/08	ME & DG
136	HOSE FLEXIBLE	209959	Nos	4	4,790.78	19,163.12	165	02/02	ME
137	HOSE FLEXIBLE	AK-10120	Nos	2	2,458.32	4,916.64	167	02/02	DG Set
138	HOSE PLAIN	3060613	Nos	6	2,488.32	14,929.92	166	02/02	ME
139	HOSE PUMP	3030788	Nos	1	2,080.52	2,080.52	107	03/01	DG Set
140	HOSE PUMP	501151	Nos	2	872.62	1,745.24	113	03/02	DG Set
141	HOUSING ROLLER	3081251	Nos	1	13,951.60	13,951.60	168	02/05	ME & DG
142	IMPELLER	NIL	Nos	1	22,080.00	22,080.00	124	01/06	Vent. Eqpt
143	IMPELLER W/PUMP	3602788	Nos	3	568.14	1,704.42	123	01/06	ME
144	INJECTOR MAIN ENGINE	3047976	Nos	6	12,323.51	73,941.06	122	01/06	ME
145	KIT PISTON AND RING SET	4105238	Nos	4	6,143.32	24,573.28	184	02/04	DG Set
146	KIT REPAIR	3801712	Nos	3	9,232.66	27,697.98	185	02/04	ME WP
147	KIT WATER SEPARATOR	3247715	Nos	1	4,190.64	4,190.64	186	02/04	ME
148	LCD INPUT/OUTPUT PCB	60780040	Nos	1	11,862.50	11,862.50	188	02/06	Radder
149	LF PCB	60920120	Nos	1	22,522.50	22,522.50	190	02/06	Radder
150	LIMITER	5035107	Nos	1	7,800.00	7,800.00	191	02/06	Radder
151	LOCK WASHER	18146	Nos	18	1.67	30.06	194	02/05	ME
152	LUBE OIL PRESURE GAUGE	3873989	Nos	6	667.14	4,002.84	192	02/05	ME
153	LUBE OIL PRESURE GAUGE	3874266	Nos	5	631.17	3,155.85	193	02/05	ME
154	MAGNETIC PICK UP	2324	Nos	3	15,368.50	46,105.50	221	02/07	ME
155	MAGNETIC SWITCH	3050692	Nos	3	7,617.40	22,852.20	220	05/01	ME
156	MAGNETRON	58670028	Nos	1	48,062.50	48,062.50	215	02/06	Radder
157	MAIN CONTACTOR	041721/073313	Nos	3	13,800.00	41,400.00	222	05/01	ME
158	MB SET (SHELL BEARING)	3239990	Nos	1	4,798.81	4,798.81	219	02/07	ME
159	MIC	59111005	Nos	1	28,502.50	28,502.50	216	02/06	Radder
160	MOTOR	62703175	Nos	1	61,522.50	61,522.50	217	02/06	Radder
161	MOTOR STARTING	46-4078512	Nos	2	27,263.92	54,527.84	218	02/08	ME
162	NOZZLE PISTON COOLING	3880814	Nos	4	257.28	1,029.12	196	02/05	DG Set
163	NUT C/H ADJUSTING	S-212	Nos	14	5.38	75.32	198	02/05	ME
164	NUT C/H ADJUSTING	203131	Nos	14	19.49	272.86	201	02/05	ME
165	NUT HUG LOCK	142176	Nos	3	12.76	38.28	197	02/05	ME
166	NUT MARSDEN LOCK	67532	Nos	6	105.76	634.56	200	02/05	ME
167	NUT TURBO	3056158	Nos	12	239.34	2,872.08	199	02/05	ME
168	O RING	307713	Nos	12	25.16	301.92	210	02/07	DG Set
169	O RING	195952	Nos	12	18.93	227.16	211	02/07	ME & DG
170	O RING	195952	Nos	20	18.93	378.60	223	05/01	ME & DG
171	O RING	NIL	Nos	10	32.79	327.90	224	05/01	ME & DG

172	O RING RUBBER	137074	Nos	6	109.32	655.92	212	02/07	ME & DG
173	PANEL PCB	60790170	Nos	1	1,56,487.50	1,56,487.50	235	02/06	RADAR
174	PISTON	3238539	Nos	6	14,005.23	84,031.38	240	05/03	ME
175	PLUG EXPANSION	67622	Nos	24	17.64	423.36	245	05/01	ME
176	PLUG EXPANSION	67622	Nos	6	17.64	105.84	251	05/02	ME
177	PLUG EXPANSION	3007634	Nos	18	15.01	270.18	242	05/01	ME
178	PLUG PIPE	68193	Nos	12	32.25	387.00	252	05/02	ME
179	PLUG PIPE	S-932	Nos	3	44.51	133.53	255	05/02	ME
180	PLUG PIPE	S-962	Nos	6	44.51	267.06	250	05/02	ME
181	PLUG PIPE- 36	68193	Nos	12	32.25	387.00	244	05/01	ME
182	PLUG ZINC ELECTRODE	68241	Nos	18	134.08	2,413.44	228	05/01	DG Set
183	POWER PCB	607609601	Nos	1	57,622.50	57,622.50	236	02/06	Radar
184	PRESSURE TRANSDUCER	3874264	Nos	4	566.90	2,267.60	243	05/01	ME
185	PRIMER ENGINE LUBRICATING	3414038	Nos	1	23,043.59	23,043.59	229	05/04	DG Set
186	PRIMER ENGINE LUBRICATING	3214038	Nos	1	23,043.09	23,043.09	239	05/03	DG Set
187	PROBE	3231404	Nos	2	2,750.21	5,500.42	227	05/01	DG Set
188	PROCESSOR BOARD	60570400	Nos	1	4,112.50	4,112.50	233	02/06	ECHO/S
189	PROCESSOR BOARD	60371410	Nos	1	42,022.50	42,022.50	234	02/06	ECHO/S
190	PULSE TRASFORMER	56401331	Nos	1	6,500.00	6,500.00	237	02/06	Radar
191	PUMP AND BEARING	NIL	Nos	3	2,116.00	6,348.00	209	02/07	AC
192	PUMP LUB OIL	3240431	Nos	1	11,866.39	11,866.39	232	05/04	DG Set
193	PUMP LUB OIL	3032267	Nos	1	24,441.57	24,441.57	238	03/03	ME
194	PUMP WATER AND IDLER	3051371	Nos	1	17,532.21	17,532.21	241	05/01	ME
195	PUSH ROD INJECTOR	3046431	Nos	3	919.88	2,759.64	230	05/01	DG Set
196	PUSH ROD INJECTOR	3046430	Nos	6	1,455.36	8,732.16	253	02/05	ME
197	PUSH ROD VALVE	3046418	Nos	4	771.11	3,084.44	231	05/01	DG Set
198	PUSH ROD VALVE	3046420	Nos	6	858.49	5,150.94	254	02/05	ME
199	PYROMETER	3873707	Nos	2	11,331.66	22,663.32	226	02/05	DG Set
200	RECTIFIER KIT DIODES AND MOVU	AX-10159	Nos	1	4,102.91	4,102.91	256	05/02	DG Set
201	REPAIR KIT W/PUMP	BM-91981	Nos	1	2,609.52	2,609.52	258	05/02	DG Set
202	RING RUBBER O	137075	Nos	6	251.37	1,508.22	257	05/02	DG Set
203	RING SET	S-26255	Nos	3	411.83	1,235.49	261	05/02	ME
204	RING SET FOR PISTON	F-005/380347	Nos	6	6,143.32	36,859.92	260	05/02	ME
205	ROTARY ENCONDER	53310052	Nos	1	13,812.50	13,812.50	259	02/06	Radder
206	SCREW	147389	Nos	18	67.77	1,219.86	302	05/07	ME
207	SCREW ADJ	669121A	Nos	2	182.80	365.60	72	01/05	ME
208	SCREW ADJUSTING	168306	Nos	18	291.33	5,243.94	297	05/07	ME
209	SCREW ADJUSTMENT	182706	Nos	3	38.11	114.33	263	05/02	ME
210	SCREW FILH SPRING TITE	70772	Nos	20	4.72	94.40	262	05/02	ME
211	SCREW LOCK	69736	Nos	6	4.35	26.10	299	05/07	ME
212	SEA WATER PUMP/Shaft	112719	Nos	3	474.81	1,424.43	284	05/06	DG Set

213	SEAL DUST	3076203	Nos	2	742.08	1,484.16	265	05/05	ME
214	SEAL OIL	162128	Nos	5	1,298.32	6,491.60	264	05/05	ME
215	SEAL RING	186780	Nos	2	170.40	340.80	271	05/05	DG Set
216	SEAL RING	3008947	Nos	3	16.09	48.27	274	05/05	DG Set
217	SEAL RING	3034412	Nos	3	21.62	64.86	272	05/05	DG Set
218	SEAL W/PUMP	3609826	Nos	1	2,511.70	2,511.70	298	05/07	ME & DG
219	SHAFT	3050394	Nos	3	372.99	1,118.97	75	01/05	ME
220	SIGHT GLASS	NIL	Nos	3	1,748.00	5,244.00	70	01/05	AC
221	SILENCER	4055994	Nos	1	6,261.45	6,261.45	278	GROUND	ME
222	SLINGER	181236	Nos	3	32.84	98.52	273	05/05	DG Set
223	SOLENOID VALVE	NIL	Nos	3	8,280.00	24,840.00	71	01/05	AC
224	SPACE HEATER	1001066	Nos	2	5,470.57	10,941.14	285	05/06	DG Set
225	SPACER W/PUMP	196844	Nos	3	41.74	125.22	301	05/07	ME
226	STARTOR MOTOR	4435	Nos	1	14,720.00	14,720.00	68	05/07	AC
227	STUD	3056155	Nos	8	485.36	3,882.88	300	05/07	ME
228	SUCTION VALVE	06EA660104	Nos	5	4,048.00	20,240.00	69	01/05	AC
229	SUPPLY MFD	BM-30295	Nos	3	1,225.50	3,676.50	270	TOP RACK	DG Set
230	SWITCH	504395	Nos	1	162.81	162.81	275	05/05	DG Set
231	SWITCH PRESSURE	2897692	Nos	2	8,101.66	16,203.32	14	01/02	ME
232	SWITCH PRESSURE	3056351	Nos	5	3,350.75	16,753.75	73	01/05	ME
233	SWITCH	3056351	Nos	1	3,350.75	3,350.75	277	05/05	DG Set
234	SWITCH	3231354	Nos	2	2,339.06	4,678.12	269	05/05	DG Set
235	SWITCH IGNITION START	504975	Nos	2	187.08	374.16	282	05/05	DG Set
236	SWITCH Pressurre	3875649	Nos	2	13,475.01	26,950.02	280	05/05	DG Set
237	SWITCH PRESURE	3056344	Nos	4	4,354.32	17,417.28	74	01/05	ME
238	SWITCH TEMPARATURE	3062875	Nos	2	2,857.35	5,714.70	283	05/05	DG Set
239	TEMPARATURE SENSOR	3874267	Nos	4	134.71	538.84	290	05/06	ME
240	THERMOSTAT	135675	Nos	3	808.67	2,426.01	286	05/06	DG Set
241	THERMOSTAT	3411335	Nos	5	2,662.14	13,310.70	294	05/06	ME
242	THERMOSTAT	NIL	Nos	2	24,840.00	49,680.00	295	05/06	AC
243	TUBE	3235050	Nos	3	431.85	1,295.55	288	05/06	DG Set
244	TUBE FUEL DRAIN	3166681	Nos	3	136.73	410.19	291	05/06	ME
245	TUBE FUEL DRAIN	32251090	Nos	3	368.37	1,105.11	292	05/06	ME
246	TURBO CHARGER BHT-38	3529032	Nos	1	68,728.65	68,728.65	289	03/08	ME
247	TURBO CHARGER FOR DG SET	3529298	Nos	1	19,985.50	19,985.50	287	05/06	DG Set
248	TURBO REPAIR KIT	3545661	Nos	3	3,277.80	9,833.40	293	05/06	ME
249	V BELT SET	B-1720,B-66	Nos	1	690.00	690.00	225	27/01	ME & DG
250	VACUM INDICATOR TURBO CHARGER	3872813	Nos	3	155.06	465.18	246	05/02	ME & DG
251	VACUM INDICATOR TURBO CHARGER	3872813	Nos	2	155.06	310.12	248	05/02	ME & DG
252	VENT MOTOR STARTAR	NIL	Nos	1	6,445.00	6,445.00	249	05/02	Vent. Eqpt
253	VIBRATION DAMPER	217323	Nos	1	18,249.36	18,249.36	247	03/08	ME
254	WASHER	NIL	Nos	3	1,012.00	3,036.00	208	02/07	AC
255	WASHER CLAMP	67546	Nos	12	186.03	2,232.36	206	02/07	ME

256	WASHER PLAIN	67684	Nos	12	1.43	17.16	207	02/07	ME
257	WATER SEPARATOR	3247715	Nos	3	4,190.64	12,571.92	204	02/07	ME
258	WATER TEMP GAUGE	3874265	Nos	3	631.17	1,893.51	205	02/07	ME
259	ADJUSTING RING SET 07 NOS Fresh water pump	NIL	Nos	6	108.00	648.00	3	21/01	FW/Pump
260	ADJUSTING RING SET 07 NOS Sea Water pump	NIL	Nos	6	108.00	648.00	2	21/01	SW/Pump
261	ADJUSTING RING SET 07 NOS Sewage pump	NIL	Nos	6	108.00	648.00	5	21/01	S/Pump
262	AIR IDHEEL Emergency diesel	NIL	Nos	3	4,230.00	12,690.00	4	21/01	EDF Pump
263	AIR IDHEEL Blige pump	NIL	Nos	3	4,230.00	12,690.00	1	21/01	B/Pump
264	ALLEN SCREW	NIL	Nos	6	11.00	66.00	6	21/01	B/Pump
265	BALL BEARING	F-0115	Nos	3	1,980.00	5,940.00	61	21/04	S/Pump
266	BALL BEARING SET	F-0106	Nos	4	810.00	3,240.00	49	21/04	S/Pump
267	BALL BEARING SET	F-0109	Nos	3	810.00	2,430.00	50	21/04	S/Pump
268	BALL BEARING SET EMR/DIESEL FIRE PUMP	F-0069	Nos	1	350.00	350.00	30	21/02	EDF Pump
269	BALL BEARING SET F /W PUMP	F-0045	Nos	3	810.00	2,430.00	24	21/02	FW/Pump
270	BALL BEARING SET (FRESH W/PUMP MODEL)	F-0042	Nos	2	810.00	1,620.00	23	21/02	FW/Pump
211	BALL BEARING SET (MOTER 2 Nos)	F-0031	Nos	3	810.00	2,430.00	21	21/02	SW/Pump
272	BALL BEARING SET (SEA W/PUMP MODEL)	F-0028	Nos	1	810.00	810.00	20	21/01	SW/Pump
273	BALL BEARING SET 6308-2Z 6203-2Z	6208-2Z	Nos	3	1,350.00	4,050.00	18	21/01	B/Pump
274	BALL BEARING SET 7606/306 ECP/c3	F-0009	Nos	2	1,827.00	3,654.00	17	21/01	B/Pump
275	BEARING COVER	F-0102	Nos	3	40.50	121.50	48	21/03	S/Pump
276	BEARING COVER (BLIG PUMP MODEL)	NIL	Nos	3	54.00	162.00	16	21/01	B/Pump
277	BEARING COVER (FRESH W/PUMP MODEL)	F-0038	Nos	3	364.50	1,093.50	22	21/02	FW/Pump
278	BEARING COVER (SEA W/ PUMP MODEL)	F-0024	Nos	2	40.50	81.00	19	21/01	SW/Pump
279	BEARING COVER EMR/DIESEL FIRE PUMP	F-0063	Nos	2	54.00	108.00	28	21/02	EDF Pump
280	BEARING SET STD	F-0075	Nos	3	1,630.00	4,890.00	46	21/03	FW/Pump
281	BEARING SKF	6202 RS	Nos	4	118.00	472.00	64	21/04	SW/Pump
282	BEARING SKF	6204	Nos	4	785.00	3,140.00	65	21/04	
283	BREATHER ASSY	F-0078	Nos	6	76.50	459.00	47	21/03	FW/Pump
284	CIR CLIP BLIDGE PUMP	F-0008	Nos	2	135.00	270.00	31	21/02	B/Pump
285	CIR CLIP SEA W/PIMP	F-0026	Nos	3	162.00	486.00	32	21/02	SW/Pump
286	CIR CLIP EMR/DIESEL FIRE PUMP	F-0065	Nos	6	135.00	810.00	35	21/03	EDF Pump
287	CIR CLIP FRESH W/PUMP	F-0040	Nos	3	162.00	486.00	33	21/03	SW/Pump
288	CIR CLIP SEA /W COOLING PUMP	F-0053	Nos	6	135.00	810.00	34	21/03	SW Pump
289	CIR CLIP SEWAGW W/PUMP	F-0104	Nos	6	162.00	972.00	36	21/03	S/Pump
290	CONNECTING ROD BOLT	F/0089	Nos	12	68.50	822.00	37	21/03	DG Set
291	DALIVERY VALVE	F-0092	Nos	6	225.00	1,350.00	52	21/04	EDF Pump
292	DIP STICK	F-0076	Nos	3	49.50	148.50	51	21/04	EDF Pump
293	FILTER ELEMENT (CARTRIDGE)	F-91	Nos	6	45.00	270.00	78	21/04	EDF Pump
294	FLAP VALVE	F-0020	Nos	2	585.00	1,170.00	76	21/04	FW/Pump
295	FLAP VALVE	F-0034	Nos	3	585.00	1,755.00	77	21/04	FW/Pump

296	GASKET SET	F-0004	Nos	2	346.50	693.00	91	21/05	B/Pump
297	GASKET SET	F-0022	Nos	3	315.00	945.00	92	21/05	SW/Pump
298	GASKET SET	F-0049	Nos	2	315.00	630.00	94	21/05	SW Pump
299	GASKET SET	F-0061	Nos	4	346.50	1,386.00	95	21/05	EDF Pump
300	GASKET SET	F-0100	Nos	6	315.00	1,890.00	96	21/05	S/Pump
301	GASKET SET	F-0113	Nos	6	315.00	1,890.00	97	21/05	S/Pump
302	HP PIPE	F-0095	Nos	6	108.00	648.00	106	21/01	EDF Pump
303	HRP HOSE PIPE	PL-03001005	Nos	1	1,648.50	1,648.50	143	21/04	HRP
304	HUB SEAL FOR BILGE PUMP/Ac Sea W/Cooling	EG-30-45-7	Nos	3	124.00	372.00	107	21/10	B/Pump
305	HYDRAULIC HOSE	NIL	Nos	6	577.13	3,462.78	111	09/03	COMON
306	IDELER (COMPLETE)(SWAGE PUMP)	NIL	Nos	3	12,105.00	36,315.00	139	21/08	SW/Pump
307	IMPELLER (BILGE PUMP)	NIL	Nos	3	4,230.00	12,690.00	121	21/01	B/Pump
308	IMPELLER (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	4,230.00	12,690.00	133	21/07	EDF Pump
309	IMPELLER (SEA WATER PUMP)	NIL	Nos	3	2,475.00	7,425.00	124	21/06	SW/Pump
310	IMPELLER (SWAGE PUMP)	NIL	Nos	3	2,700.00	8,100.00	136	21/08	S/Pump
311	IMPELLER KEY (BILGE PUMP)	NIL	Nos	4	40.50	162.00	123	21/06	B/Pump
312	IMPELLER KEY (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	6	40.50	243.00	135	21/08	EDF Pump
313	IMPELLER KEY (FERSH W/PUMP)	NIL	Nos	4	54.00	216.00	129	21/07	FW/Pump
314	IMPELLER KEY (SEA W/COLLING PUMP)	NIL	Nos	4	40.50	162.00	132	21/06	AC/SW Pump
315	IMPELLER KEY (SEA W/PUMP)	NIL	Nos	2	54.00	108.00	126	21/06	SW/Pump
316	IMPELLER KEY(SWAGE PUMP)	NIL	Nos	6	54.00	324.00	138	21/08	S/Pump
317	IMPELLER NUT (BILGE PUMP)	NIL	Nos	1	405.00	405.00	122	21/06	B/Pump
318	IMPELLER NUT (SEA W/COLLING PUMP)	NIL	Nos	3	405.00	1,215.00	131	21/06	SW Pump
319	IMPELLER NUT(EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	405.00	1,215.00	134	21/08	EDF Pump
320	INTER MEDIATE COVER (SWAGE PUMP)	NIL	Nos	3	2,610.00	7,830.00	137	21/08	S/Pump
321	INTERMEDIATE COVER (FRESH W/PUMP)	NIL	Nos	3	2,475.00	7,425.00	128	21/07	FW/Pump
322	INTERMEDIATE COVER (SEA W/PUMP)	NIL	Nos	3	2,475.00	7,425.00	125	21/06	SW/Pump
323	LARGE END BEARING STD	NIL	Nos	6	180.00	1,080.00	166	21/09	COMON
324	LOVEJOY OUPLING FOR AC SEA W/COLLING PUMP	NIL	Nos	6	105.00	630.00	167	21/09	AC/SW Pump
325	MACHANICAL SLEEVE /SEAL (FRESH W/PUMP)	NIL	Nos	6	1,080.00	6,480.00	183	21/10	FW/Pump
326	MAGNETICE COMPASS ANSCHUTZ	1527	Nos	1	1,272.36	1,272.36	108	03/04	ON FBOP
327	MECHANICAL SEAL (BLIGE PUMP)	NIL	Nos	2	6,750.00	13,500.00	181	21/09	B/Pump
328	MECHANICAL SEAL (SEA W/COOLING PUMP)	NIL	Nos	1	26,600.00	26,600.00	184	21/10	SW Pump
329	MECHANICAL SEAL (SEA WATER PUMP)	NIL	Nos	4	1,080.00	4,320.00	182	21/10	SW/Pump

330	MECHANICAL SEAL(EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	2	6,750.00	13,500.00	185	21/10	EDF Pump
331	MECHANICAL SEAL(SWAGE PUMP)	NIL	Nos	6	1,080.00	6,480.00	186	21/10	S/Pump
332	MECHANICAL SEAL(SWAGE PUMP)	NIL	Nos	2	7,650.00	15,300.00	187	21/10	S/Pump
333	NON RETURN VALVE	NIL	Nos	2	675.00	1,350.00	197	21/11	EDF Pump
334	NON RETURN VALVE (BLIGE PUMP)	NIL	Nos	3	675.00	2,025.00	196	21/11	B/Pump
335	NOZZLE	NIL	Nos	6	630.00	3,780.00	198	21/11	EDF Pump
336	NUT	NIL	Nos	6	12.00	72.00	199	21/11	COMON
337	O RING	NIL	Nos	9	13.50	121.50	214	21/11	COMON
338	OIL SEAL	NIL	Nos	15	49.50	742.50	213	21/11	EDF Pump
339	OIL SEAL (FRESH W/PUMP)	NIL	Nos	4	63.00	252.00	212	21/11	FW/Pump
340	OIL SEAL (SEA W/PUMP)	NIL	Nos	6	63.00	378.00	211	21/11	SW/Pump
341	OIL SEAL (SWAGE PUMP)	NIL	Nos	5	63.00	315.00	215	21/11	S/Pump
342	PISTION RING STD SET	NIL	Nos	6	360.00	2,160.00	228	21/12	COMON
343	PUMP HOSE (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	11	5,850.00	64,350.00	227	21/12	EDF Pump
344	PUMP HOSE (SWAGE PUMP)	NIL	Nos	12	5,850.00	70,200.00	226	21/03	B/Pump
345	ROCKER ADJUSTING SCREW	NIL	Nos	9	67.50	607.50	252	21/13	COMON
346	ROCKER LEVER ASSY SET	NIL	Nos	6	360.00	2,160.00	251	21/12	COMON
347	ROTER BUSH BEARING (SWAGE PUMP)	NIL	Nos	3	2,475.00	7,425.00	254	21/13	S/Pump
348	ROTOR (COMPLETE)(SWAGE PUMP)	NIL	Nos	3	18,135.00	54,405.00	253	21/13	S/Pump
349	SEA WATER STRAINER	NIL	Nos	3	9,134.25	27,402.75	110	09/03	ON FBOP
350	SELF PRIMING CASTING (BLIGE PUMP)	NIL	Nos	3	4,860.00	14,580.00	263	21/12	B/Pump
351	SELF PRIMING CASTING (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	4,860.00	14,580.00	271	21/15	EDF Pump
352	SET OF VALVES	NIL	Nos	6	405.00	2,430.00	275	21/14	COMON
353	SHAFT	NIL	Nos	1	162.00	162.00	274	21/15	B/PUMP
354	SHAFT (BLIGE PUMP)	NIL	Nos	3	4,050.00	12,150.00	261	21/13	B/Pump
355	SHAFT (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	4,050.00	12,150.00	269	21/14	EDF Pump
356	SHAFT (FRESH WATER PUMP)	NIL	Nos	2	1,597.00	3,194.00	80	21/04	FW/Pump
357	SHAFT (FRESH WATER PUMP)	NIL	Nos	3	2,250.00	6,750.00	266	21/14	FW/Pump
358	SHAFT (SEA WATER PUMP)	NIL	Nos	2	2,250.00	4,500.00	265	21/14	SW/Pump
359	SHAFT (SWAGE PUMP)	NIL	Nos	3	2,475.00	7,425.00	157	21/09	S/Pump
360	SHAFT DG SET SEA WATER COOLING PUMP	NIL	Nos	3	2,499.00	7,497.00	188	21/05	SW/Pump
361	SHAFT SLEEVE (BLIGE PUMP)	NIL	Nos	3	1,800.00	5,400.00	262	21/13	B/Pump
362	SHAFT SLEEVE (BLIGE PUMP)	NIL	Nos	5	1,800.00	9,000.00	264	21/13	B/Pump
363	SHAFT SLEEVE (EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	1,800.00	5,400.00	270	21/14	EDF Pump
364	SHAFT SLEEVE(EMERGENCY DIESEL FIRE PUMP)	NIL	Nos	3	1,800.00	5,400.00	272	21/14	EDF Pump
365	SMALL END BUSH	NIL	Nos	6	45.00	270.00	156	21/09	COMON
366	SPARES OF COMPASS (SET OF 05 PCS)	1529	Nos	1	277.88	277.88	109	03/04	ON FBOP
367	STARTOR PLLUG	NIL	Nos	6	36.00	216.00	273	21/14	COMON
368	VALVE SETING	NIL	Nos	6	45.00	270.00	161	21/09	COMON

369	WAHER (FRESH W/PUMP)	NIL	Nos	6	58.50	351.00	293	21/01	FW/Pump
370	WASHER (BLIGE PUMP)	NIL	Nos	4	13.50	54.00	291	21/14	B/Pump
371	WASHER (SEA W/PUMP)	NIL	Nos	6	58.50	351.00	292	21/01	SW/Pump
372	WASHER (SEWAGE PUMP)	NIL	Nos	6	58.50	351.00	296	21/01	S/Pump
373	AMMETER	502881	Nos	02	182.67	365.34	15	10/01	COMON
374	BELT-' V'	4085738	Nos	03	414.31	1,242.93	27	10/01	COMON
375	CLAMP T BOLT	208326	Nos	07	75.26	526.82	36	10/01	COMON
376	CLAMP T BOLT	125739	Nos	13	83.07	1,079.91	37	10/01	COMON
377	CLAMP T BOLT	149437	Nos	03	106.21	318.63	38	10/01	COMON
378	CONNECTOR MALE	S-1039A	Nos	04	39.87	159.48	39	10/01	COMON
379	COPPER PIPE 1/2 "	NIL	Nos	20	24.00	480.00	46	10/02	Ac
380	COPPER PIPE 3/8"	NIL	Nos	20	16.00	320.00	45	10/02	Ac
381	DRIER (FILTER CORE)	NIL	Nos	10	1990.00	19,900.00	141	10/07	Ac
382	ELBOW MALE ADAPER	S-1040A	Nos	06	41.83	250.98	58	10/02	COMON
383	ELBOW MALE ADAPTER	68645	Nos	16	91.30	1,460.80	57	10/02	COMON
384	ELBOW MALE UNION	129859	Nos	21	210.05	4,411.05	56	10/02	COMON
385	FUSE 02 AMP 415 V AC 80 KVA	NIL	Nos	19	208.00	3,952.00	119	10/04	COMON
386	FUSE 04 AMP 415 V AC 80 KVA	NIL	Nos	06	208.00	1,248.00	115	10/04	COMON
387	FUSE 06 AMP 415 V AC 80 KVA	NIL	Nos	04	216.00	864.00	113	10/04	COMON
388	FUSE 16 AMP 415 V AC 80 KVA	NIL	Nos	09	208.00	1,872.00	112	10/04	COMON
389	GASKET EXHAUST MANIFOLD	3020943	Nos	08	117.34	938.72	106	10/03	COMON
390	GASKET INJECTOR FUEL CONN	94262	Nos	18	08.44	151.92	77	10/03	COMON
391	GASKET INTAKE MANIFOLD	3008591	Nos	09	38.94	350.46	85	10/03	ME
392	GASKET OIL COOLER	203922	Nos	06	20.11	120.66	81	10/03	COMON
393	GASKET OIL COOLER COVER	146309	Nos	06	20.34	122.04	82	10/03	COMON
394	GASKET TECHOMETER	70732	Nos	06	02.76	16.56	107	10/04	COMON
395	GASKET VALVE COVER	108692	Nos	09	77.88	700.92	76	10/03	COMON
396	GAUGE PRESSURE	500109	Nos	02	383.24	766.48	79	10/03	COMON
397	GAUGE TEMPARATURE	500108-R	Nos	04	641.68	2,566.72	78	10/03	COMON
398	GAUGE TEMPARATURE	500410	Nos	03	669.78	2,009.34	80	10/03	COMON
399	H P CUT OUT SWITCH	NIL	Nos	02	2800.00	5,600.00	103	10/04	Ac
400	HOSE ELBOW	4056439/4556439	Nos	04	540.51	2,162.04	89	10/04	COMON
401	HOSE FLEXIBLE	AK-10015 SS	Nos	08	709.29	5,674.32	87	26/02	COMON
402	HOSE FLEXIBLE	AK-10030SS	Nos	05	884.20	4,421.00	90	26/02	COMON
403	HOSE FLEXIBLE	AK-6065SS	Nos	04	1027.35	4,109.40	91	26/02	COMON
404	HOSE FLEXIBLE	AK-4030 MS	Nos	03	525.22	1,575.66	93	26/02	COMON
405	HOSE FLEXIBLE	AK-4016 SS	Nos	05	363.60	1,818.00	95	26/02	COMON
406	HOSE FLEXIBLE	AK-4030 SS	Nos	04	525.76	2,103.04	96	26/02	COMON
407	HOSE FLEXIBLE	AK-1601546 MS	Nos	03	1205.00	3,615.00	97	26/02	COMON
408	HOSE FLEXIBLE	AK-6054ST	Nos	04	969.67	3,878.68	99	26/02	COMON
409	HOSE FLEXIBLE	AK-1601846 MS	Nos	06	1260.95	7,565.70	100	26/02	COMON
410	HOSE FLEXIBLE	AK-4080 SS	Nos	06	970.43	5,822.58	101	26/02	COMON
411	HOSE FLEXIBLE	AK-4601346 MS	Nos	06	118.23	709.38	102	26/02	COMON
412	HOSE PLAIN	3060613	Nos	04	2319.60	9,278.40	88	10/03	COMON

413	HOSE PLAIN	63495	Nos	10	108.24	1,082.40	98	10/04	COMON
414	HOUR METER	501151	Nos	03	883.15	2,649.45	94	10/04	COMON
415	HOUR METER ELECTRONIC	NIL	Nos	02	1876.00	3,752.00	138	10/04	COMON
416	LIGHT INDICATOR		Nos	02	234.58	469.16	126	10/04	COMON
417	MANIFOLD FUEL	4021110	Nos	05	878.48	4,392.40	136	10/07	COMON
418	OIL CUT OUT SWITCH	NIL	Nos	01	3900.00	3,900.00	156	10/07	Ac
419	OIL HEATER 230 V LOCKING SYSTEM	NIL	Nos	04	2400.00	9,600.00	139	10/04	AC
420	PRESURE GAUGE 0.300 PSI	NIL	Nos	02	480.00	960.00	166	10/07	AC
421	RING RETAINING	3006745	Nos	13	87.57	1,138.41	186	10/05	COMON
422	SEAL O RING	70624	Nos	10	17.91	179.10	197	10/05	COMON
423	SEAL O RING	3007713	Nos	12	26.79	321.48	201	10/05	COMON
424	SEAL O RING	137074	Nos	06	107.73	646.38	202	10/05	COMON
425	SEAL O RING	137075	Nos	06	246.26	1,477.56	203	10/06	COMON
426	SEAL RECTANGULAR RING	129888	Nos	05	16.32	81.60	216	10/06	FBOP
427	SENSOR TEMPERATURE	3874267	Nos	01	134.06	134.06	196	10/05	COMON
428	SPRING VALVE	129768	Nos	06	17.83	106.98	205	10/06	COMON
429	SWITCH KEY	504975	Nos	03	186.88	560.64	200	10/05	COMON
430	SWITCH OVER SPEED	3231354	Nos	03	2225.19	6,675.57	198	10/05	COMON
431	TRANSDUCER	3874264	Nos	10	592.13	5,921.30	206	10/06	FBOP

Sdxxx 21/05/2018

(G P Joddar)DC/WW,
Offg Officer Commanding(WW)
HQ Water Wing BSF Rajarhat
For and on behalf of the President of India

ABBREVIATION OF MODEL TENDER ENQUIRY

1)	DG	-	DIRECTOR GENERAL
2)	BSF	-	BORDER SECURITY FORCE
3)	FHQ	-	FORCE HEADQUARTER
4)	CPP	-	CENTRAL PROCUREMENT PORTAL
5)	MHA	-	MINISTRY OF HOME AFFAIRS
6)	NSIC	-	NATIONAL SMALL INDUSTRIES CORPORATION
7)	MSME	-	MICRO, SMALL & MEDIUM ENTERPRISES
8)	MSE	-	MICRO & SMALL ENTERPRISES
9)	GFR	-	GENERAL FINANCIAL RULE
10)	NIC	-	NATIONAL INFORMATICS CENTRE
11)	QR	-	QUALITATIVE REQUIREMENTS
12)	TD	-	TRIAL DIRECTIVE
13)	TE	-	TENDER ENQUIRY
14)	NIT	-	NOTICE FOR INVITATION OF TENDER
15)	OTE	-	ONLINE TENDER ENQUIRY
16)	AT	-	ACCEPTANCE OF TENDER
17)	OEM	-	ORIGINAL EQUIPMENT MANUFACTURER
18)	BOO	-	BOARD OF OFFICERS
19)	LC	-	LETTER OF CREDIT
20)	EMD	-	EARNEST MONEY DEPOSIT
21)	PSD	-	PERFORMANCE SECURITY DEPOSIT
22)	MRLS	-	MANUFACTURER RECOMMENDED LIST OF SPARES
23)	CAMC	-	CONTRACTUAL ANNUAL MAINTENANCE CONTRACT
24)	BG	-	BANK GUARANTEE
25)	DGCA	-	DIRECTOR GENERAL OF CIVIL AVIATION
26)	EUC	-	END USER CERTIFICATE
27)	DGFT	-	DIRECTOR GENERAL OF FOREIGN TRADE
28)	TEC	-	TECHNICAL EVALUATION COMMITTEE
29)	DDP	-	DELIVERED DUTY PAID
30)	SEZ	-	SPECIAL ECONOMIC ZONE
31)	KVIC	-	KHADI AND VILLAGE INDUSTRIES COMMISSION
32)	NCNC	-	NO COST NO COMMITMENT
33)	PDI	-	PRE-DELIVERY INSPECTION
34)	GOI	-	GOVERNMENT OF INDIA
35)	SMT	-	SPECIAL MAINTENANCE TOOLS
36)	STE	-	SPECIAL TESTING EQUIPMENT
37)	MOF	-	MINISTRY OF FINANCE
38)	NABL	-	NATIONAL ACCREDIATION BOARD FOR TESTING AND CALIBRATION LABORATORY
39)	DSC	-	DIGITAL SIGNATURE CERTIFICATE
40)	TIA	-	TENDER INVITING AUTHORITY
41)	BOQ	-	BILL OF QUANTITY
42)	CVC	-	CENTRAL VIGILANCE COMMISSION
43)	AOC	-	AWARD OF CONTRACT