

# DEENDAYAL PORT AUTHORITY

Office of the  
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No. CME/MECH.DIVISION/1935

Date: 17/09/2025

To,  
M/s. \_\_\_\_\_  
\_\_\_\_\_  
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## EXPRESSION OF INTEREST

**Sub: Comprehensive AMC for Port owned one no. of Pilot Launch & three nos. of Mooring Launches and complete O&M for two Pilot Launches, one Mooring Launch & one Survey Launch for a period of three years – Reg.**

Sir,

Deendayal Port Authority intends to award the work of “Comprehensive AMC for Port owned one no. of Pilot Launch & three nos. of Mooring Launches and complete O&M for two Pilot Launches, one Mooring Launch & one Survey Launch for a period of three years”.

Kindly submit your Expression of interest along with budgetary-offer for the subject work in the prescribed format at **Schedule-B** on the basis of technical specification & scope of work at **Annexure-I** and terms & conditions at **Annexure-II** enclosed herewith.

The rates quoted must be inclusive of all costs such as material, labour, transportation etc and any other charges which is required for successful completion of the work excluding GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.

Your Expression of interest along with budgetary offer for the above work should reach to this office with **duly signed and stamped copy or through e-mail on [rakesh.sinha@deendayalport.gov.in](mailto:rakesh.sinha@deendayalport.gov.in)** on or before - 29/09/2025.

Thanking you,

Yours faithfully,

-Sd-  
**EIC (Tug)**  
**Deendayal Port Authority**

**SCOPE OF WORK & TECHNICAL SPECIFICATIONS**

1. Deendayal Port Authority (DPA) is in possession of 8 nos. of port owned crafts i.e. 3 Pilot Launches- ML Swati, ML Magh & ML Rohini, One Survey Launch- ML Nirikshak & Four Mooring Launches- ML Atri , ML Alok, ML Hasta & ML Vishakha
2. The Maintenance Contract will be entered for 03 years initially from the date of commencement of work. However, the same may be extended for any period maximum up to 1 year on the same Rates, Terms & Condition with mutual consent.
3. The detailed specifications of these crafts are enclosed at **Annexure-A**. These crafts shall primarily be used for piloting, survey, mooring operations and also for other allied services at Deendayal Port Authority. Survey launch ML Nirikshak may be utilized at Kandla, Tuna & Vadinar as per DPA requirement without any additional cost. The launches are required to perform all lawful duties required by the Owner (DPA) including but not limited to assisting ocean going vessels in Port.
4. The scope of work may be increased or decreased as per the requirement of DPA in future i.e. addition or deletion of any craft for Operation & Manning and/or Maintenance from the contract as per requirement of DPA. The additional scope of work shall be governed under the same terms and conditions. The charges as applicable will be increased or decreased as per rates provided in the contract. DPA reserves the right to withdraw any crafts (Operation & Manning and/or Maintenance) from the contract at any time **(at commencement of contract or in between)**, if he so desires at discretion of DPA management. For addition or deletion of any craft, a max. of 10 days prior notice may be given by DPA and payment will be made accordingly.
5. The job specifications given in the **Schedule-‘B’** describe broad requirements to which the contractor shall work. **However, the fact that everything is not fully specified and there may be omission in the job specifications, shall not absolve the contractor from his responsibility to carry out the work in safe, apt and proper manner and acceptable in all respects as per safe marine practices.**

6. **CONDITION OF CRAFTS:**

The contractors are advised to inspect & survey the crafts and verify the documents available before offering the rates. The Contractor shall accept the Crafts and its equipment on “as is where is” basis. DPA however will make available to the Contractor the certificates and documents pertaining to the said

Crafts, which are available with DPA, for inspection and it will be deemed that the Contractor has inspected the same and is satisfied with the documents, class certificates, registration, licenses etc., and the condition of the said Crafts. The Contractor shall not be entitled to make or lodge any claim against DPA on account of any agreement, representation or warranty, either express or implied, with respect to the condition of the Crafts and pre-inspection of crafts to access the condition.

7. **LIABILITY OF DPA:** DPA shall: -

- 7.1 Endeavor to make available drawings, manuals and certificates of the crafts to the Contractor as and when required for carrying out his obligations hereunder. However, if any specific drawing/manual/certificate pertaining to any machinery/equipment/craft is not available with DPA, the contractor has to arrange the same at his own cost. No request in this regard shall be entertained.
- 7.2 Assist, without any commitment, the Contractor in obtaining clearances from Government agencies to import spares on DPA's behalf only up to the extent of issuing letter of request to the different agencies/authorities.
- 7.3 Dry Docking facility and fire watch for hot work for repair and maintenance shall be provided by DPA free of cost but **shore power supply at Dry Dock shall be provided by DPA free of cost** as and when required. However, prior written permission from the concerned division/department of DPA has to be obtained by the contractor well in advance so as not to affect the maintenance work.
- 7.4 DPA shall supply fuel oil, lube oil and fresh water to the crafts.
- 7.5 Contractor shall carry out all necessary surveys as per statutory requirement. Expenditure towards carrying out these surveys such as, labour charges for repairs/renewal etc., shall be borne by the Contractor, however, dry docking facility along with dry dock crane shall be provided by DPA free of cost. The labour cost of any major/minor overhaul, repairing of the equipments on crafts as required by the surveyor shall be borne by the contractor. The statutory fees payable to the MMD/GMB/DG Shipping shall be paid by DPA directly. IRS Class visits for survey & other requirements as and when required for all the works awarded to contractor under this contract shall be arranged by the contractor at his own cost, DPA will not entertain any reimbursements in this regard.
- 7.6 The contractor may be provided space at inside or outside the port area for office space and staff rest room cum store room, if available, on chargeable basis as per DPA's S.O.R. The premises will be handed over in good conditions, however the contractor will be responsible for the maintenance, upkeep and hygiene of office space cum staff rest room provided to them. Also the contractor will be responsible for any damage to such premises during the tenure of the contract & the premises to be repaired by the contractor at their

expenses. The contractor has to pay the electricity charges as per meter reading and water charges as fixed by DPA time to time along with rent as per DPA rate fixed time to time. The contractor will have to install a suitable energy meter approved by DPA for electricity consumption, if not installed by DPA.

- 7.7 Two quarters may be allotted to the contractor, if available, at DPA Kandla Colony, on chargeable bases as per prevailing rate & rent as per DPA Norms during the tenure of contract and the same shall be handed over by contractor on completion of contract to DPA, failing which standard rent as per prevailing DPA norms will be deducted & stern action will be initiated. Last month's payment towards AMC charges will be released after deduction of all kind of dues arise out of anything and subject to handing over the Quarter/Quarters, Office Rooms allotted to the contractor. **For office cum restroom and store space /plot space may be allotted inside or outside jetty area, if available, on chargeable bases as per DPA Norms.**
- 7.8 AC's and various Radio equipment e.g. GPS, Radar, AIS, VHF /Walkie –Talkie shall be maintained and replaced by DPA.
- 7.9 Hull and Superstructure including accommodation area shall be maintained by DPA. Steel renewal, grit blasting, thickness gauging, hull, deck and superstructure painting, fender renewal/repairing, renewal of zinc anodes of hull, steel/fiber repair work of superstructure, wooden work, upkeeping of accommodation/cabins/navigation bridge, cementing & plumbing works of superstructure shall be carried out by DPA.
- 7.10 Major spares i.e. propeller shaft, rudder and propeller shall be provided by DPA. **However, reconditioning of major spares will be in the scope of contractor including transportation and other requirements.**
- 7.11 Mooring ropes for all the crafts shall be provided by DPA.

8. **LIABILITY OF THE CONTRACTOR (PERTAINING TO MAINTENANCE OF ALL CRAFTS) :**

- 8.1 The Contractor will maintain the Crafts and equipments installed on craft i.e. navigational lights, deck lights, superstructure lights, search light, engine room lights, rudder indicator, Windscreen wiper/CVS, Wall mounted fan etc. (AC and Radio equipment i.e GPS, Radar, AIS, VHF /Walkie –Talkie shall be maintained and replaced by DPA, however power supply to this equipment shall be ensured by the contractor). Contractor has to maintain Engine side & equipments installed on crafts in a good working state with proper repair and in efficient operating condition during the entire term of the Agreement **including the cost of consumables, spares, materials, Tools & tackles, transportation etc., except the OEM spares for Main Engines, Generator Engines and Gearbox as well as major spares i.e. propeller shaft, rudder and propeller.** All the DPA Crafts shall be maintained as per

the standards of IRS Class, regardless of possession of Class certificates, i.e. keeping the crafts in Class, if it is in class and if not in class than also to be maintained as per standard of Class. The crafts in class shall be maintained with statutory certification as required by the DG Shipping/GMB/MMD or other regulatory authorities.

- 8.2 The Contractor shall be responsible for all the maintenance including but not limited to routine maintenance, preventive maintenance, breakdown maintenance of all deck and engine side machinery under their scope i.e. Engines top overhauling/ major overhauling, routine and preventive maintenance e.g. renewal of filters, cleaning of coolers/heat exchangers, cleaning of various strainers, renewal of lube oil, tappet adjustment, injectors pressure testing/ calibration, FIP calibration/servicing, turbocharger repair and maintenance, starters & battery charger of engines, replacement of zinc anodes of various heat exchangers of Main Engines & Generator Engines, Cleaning of fuel tanks (service and storage), repair and maintenance of gearboxes, repair and maintenance of engine room blowers, air trunking, various pumps, electrical/mechanical remote control for operating the Main Engines, electrical remote/switch for steering, repair/ rewinding/ maintenance of 415 volt alternators, various motors, switchgear, electric panels, maintenance of batteries, repair and maintenance/ reconditioning of rudder, hydraulic/mechanical steering gear system, propeller, propeller shaft, shaft-seal, dry docking, surveys etc. and complete technical management of the crafts at his own cost, either through self-maintenance team or through reputed workshop or through OEM/ authorized dealer as the case may be. **However, the Main Engine top overhauling/ major overhauling work shall be done in supervision of OEM/Authorized dealer service engineer only. Main engine required to be inspected and monitor through the service engineer of the respective OEM/AD at the interval of three months and submit the inspection report regarding healthiness condition of the engine. Contractor is strictly bound to follow the recommendation of the inspection report of service engineer. Cost of engaging the service engineer will be in the scope of contractor.** No additional cost shall be payable to the Contractor for carrying out these maintenance work. Delays, if any by workshops, **OEM/Authorized dealer** shall not be an excuse for not completing repairs and commissioning the crafts in time. Before starting any scheduled work, permission from the EIC shall be obtained.**However, in exceptional cases, the Contractor shall submit a detailed report on the condition of the Engine/Machine along with the proposed maintenance procedure to ensure its timely operational readiness, and the decision of the Engineer-in-Charge (EIC) in this regard shall be final and binding.**
- 8.3 The contractor shall be responsible for carrying out repair/ maintenance/ renewal of various pipe lines, hoses and Valves as per existing schedule i.e. sea

water, fresh water, hydraulic, bilge, fuel, fire, exhaust etc. Greasing of shaft/ motors/ hydraulic system, cleaning/repair/renewal of various filters/sea water strainers in engine room, repair/maintenance/ renewal of all type of air vents on deck etc. **including the cost of consumables/materials** will be in the scope of contractor.

- 8.4 The list of equipment / machinery installed on board each craft is enclosed at **Annexure 'A'**. A routine maintenance has to be carried out for each of these equipment/machinery as per the instruction of Manufactures i.e. OEM Schedule. The Contractor is responsible for making a check list of routine maintenance schedules with respect to running hours of the equipments & machineries. **This check list will be approved by DPA and at the end of every month the complied check list shall be submitted to DPA. The contractor shall prepare each equipment wise maintenance schedule of each craft based on running hours or period for performing the maintenance work (PMS). The Maintenance Schedules are indicative and subject to review by EIC as and when need arises which will be final and binding on the contractor without any financial implication.**
- 8.5 **The Contractor will be responsible for submission of complete detailed list of defects at the end of each month indicating the real cause of each defect and suggest remedial action to overcome the problems / defects. The Contractor shall monitor and analyses the problems and the rectification, trouble-shooting should be carried out by the Contractor.** The cost towards labour of all repairs /major overhaul will be borne by the contractor. However, Contractor has to prepare a complete list of spare parts required for these repair and submit with justification for approval of DPA.
- 8.6 The Contractor has to intimate the complete plan of any unscheduled repair work indicating the time required for such repair. Work shall be started only after consent of EIC. **In case of any repair which is arising out of negligence, ignorance, malafide intention of the Contractor shall be made good at the cost of contractor including the cost of material/spares within a reasonable period of time acceptable to DPA, failing which the cost of the damages assessed by DPA shall be deducted from the bill of the Contractor.**
- 8.7 The Contractor agrees to carry out survey / dry-docking the crafts for the purposes of statutory requirements or for any other reasons as and when required. The **facility of dry dock including dry dock crane, shore power supply** shall be provided by DPA free of cost. A suitable **power consumption meter is to be installed by contractor and required permission needs to be obtained from concerned Electrical Division, DPA.** The Contractor should **plan the Survey / Dry-Docking well in advance** with due consent of EIC or his representative for availability of craft.

- 8.8 Any type of Hot work e.g. welding, gas cutting etc. required to fulfill the obligation of repair and maintenance as per scope of work shall be the responsibility of the contractor, including but not limited to tools & tackles, welding machine, electrodes, gasess, cutting torch, nozzles etc. **Necessary permission for hot work shall be obtained by the contractor well in advance, Fire watch for hot work shall be provided free of cost by DPA.**
- 8.9 The Contractor shall be responsible for periodical surveys and obtaining the certificate for renewal/fresh from various competent authorities required for the operation of the crafts under existing laws, rules and regulations of Govt. of India, Classification Societies and other statutory organizations.
- 8.10 The contractor has the responsibility of cleaning/chipping/painting of Engine room - all engine room, pipelines, valves, bilges, platform, bulkhead. The painting has to be done in accordance with paint manufacturer and **as per Annexure-B. The Contractor has to procure reputed marine quality paints of International/ Sigma/ Jotun make.** The painting of the crafts under the scope of contractor as mentioned above shall be **as and when required basis** including the touch up/spot painting in between. The painting shall be carried out as directed and required by DPA. **The required surface preparation for satisfactory painting will have to be carried out by the Contractor before applying the paint.** The Contractor has to carry out the painting including surface preparation by chipping, manual scrapping, wire brushing, grinding with hand held power tool, high pressure washing, cleaning etc., at his own cost. Contractor should take proper precaution against pollution, Fire etc safety precautions during painting.
- 8.11 The Contractor has to provide suitable transport vehicle (Jeep/Van) at his own cost round the clock for mobilizing the Maintenance, Operational, Base staff etc. in a timely manner. It should be available round the clock for all purposes including transportations of materials as well as manpower as required for successful execution of the contract.
- 8.12 The Contractor shall ensure that the preventive maintenance of the crafts is being carried out as recommended by the OEM and as suggested/required by DPA. The Contractor shall be responsible for the comprehensive maintenance of the crafts offered to them under the agreement and to keep the crafts always in proper class (if in class) and seaworthy condition for the scope of work awarded under this contract.
- 8.13 The Contractor shall confirm the availability of the total number of staff as indicated at **Annexure-'C'**, being deployed for the **Maintenance and Operation** of the crafts.
- 8.14 In the event, contractor finds any of their employees not conforming to the rules of discipline etc., he shall be free to take action against such an employee

as deemed necessary by observing due process of legal requirements. During the period of the Contract, if the Contractor intends to induct new work men or make alterations in their grade the same should be within the contract conditions and the Contractor shall communicate the same for acknowledgement of DPA.

- 8.15 The Contractor shall be liable for all acts of omission and or commission of the staff deployed by the Contractor and also for all liabilities pertaining to their salaries, allowances, clothing, lodging & fooding, proper safety gears, victuals, medical facilities, insurance coverage as per applicable labour laws or any other requirements pertaining to their staff at the risk & cost of the Contractor only, DPA will not entertain any other expenses or liabilities in this regard.
- 8.16 The Contractor shall attend to all Port and customs formalities, obtain Port clearances etc., at his own cost as and when required. The Contractor has to arrange for port entry passes and transportation for the Operation/maintenance staff and material at their cost for entering/out Port.
- 8.17 The Contractor shall report daily repair progress whenever the craft is laid up for any repair, maintenance, survey or dry-docking etc.
- 8.18 The Contractor shall make no structural alterations or changes in the crafts and its equipment or appurtenances, unless the written permission/consent of DPA and/or class/statutory bodies' is obtained.
- 8.19 The Contractor shall undertake to carry out speed trials of the crafts as and when required by DPA under the supervision of surveyors. The cost of such trials shall be to DPA's account.
- 8.20 The contractor shall maintain and keep the crafts in good condition at all the times during the entire period of contract . The contractor shall not suspend and / or abandon the work for any reason whatsoever.
- 8.21 The contractor shall submit on or before 5<sup>th</sup> day of every month the following reports/ documents for the previous month in the format approved by DPA. The contractor will prepare the following formats and take approval of DPA within 15days of taking over the crafts:
  - i. Consumption of OEM spares for Main Engines, Generator Engines and gearbox.
  - ii. Status report of all machinery and equipment on board.
  - iii. Inventory report of all stores and chemical.
  - iv. Availability & Utilization report of all crafts.
  - v. Batteries maintenance report of all crafts.



vi. Complied check list of routine maintenance.

- 8.22 During operation, if any abnormality, defect, faults are noticed, the same shall be communicated to the representative/Engineer Superintendent of the contractor and immediate remedial action shall be initiated by the contractor to rectify the faults with intimation to EIC. The contractor shall place a suitable mechanism for rectification of problems so that delay in operation can be avoided. The Engineer Superintendent of the Contractor associated with maintenance shall plan & co-ordinate all the maintenance activities including pre-operational checks. Also, necessary interaction for operational requirements should be done in close coordination with EIC.
- 8.23 All batteries are to be maintained and replaced whenever required by the contractor at his own cost **including the transportation and cost of new battery.**
- 8.24 The contractor shall be responsible for carrying out the Oil analysis reports for Main Engines at regular interval of **three months** at his own cost in a **NABL approved lab** and report of the same shall be submitted to DPA on or before 5<sup>th</sup> of next month. Report to be submitted to DPA apart from above mentioned schedule as per the instruction of EIC if any suspicion occurs about the quality of oil.
- 8.25 The contractor shall carry out testing of cooling water at regular intervals of **three month** from the cooling water system of the Main Engines in a **NABL approved lab** and report of the same shall be submitted to DPA on or before 5<sup>th</sup> of next month. The cooling water chemicals to be procured and added to maintain the engine cooling water quality as per the manufacturer's recommendation at the cost of contractor.
- 8.26 All Pumps and pipelines in the engine room, mainly the cooling pumps, bilge pump, GS pumps, fuel transfer pumps, fire pumps etc. shall be periodically checked and maintained for ensuring its proper functioning during operation and such inspections / check shall be recorded in maintenance book.
- 8.27 The contractor shall maintain the history book of each launch and submit for the inspection of DPA on monthly basis on or before of 10<sup>th</sup> day of each month.
- 8.28 Repair/ maintenance/renewal **including material** of air trunking, engine room blowers, exhaust trunking in the crafts shall be carried out by the contractor at his own cost.
- 8.29 All Safety cut outs, gauges, Transmitters, switches, etc. i.e. thermometers, pressure gauges, tachometer, ampere meter etc. of engines & equipments shall be maintained in working condition all the time at the cost of contractor **including the cost of material (except OEM items)**. If any defect is noticed, same shall be repaired/ replaced at the cost of contractor.

- 8.30 Contractor shall submit the documents in support of qualifications and experience of the personnel proposed to be deployed by him to DPA well in advance (before deployment) for verifying whether they meet the required criteria of contract. Contractor will also maintain the profile of the staff personnel posted under this contract work, during the entire AMC period. All the staff/workers deputed by the contractor during AMC period shall wear proper required Personnel Protective Equipment's (PPE's) during working.
- 8.31 Entire Engine room to be maintained in safe manner, any hot spots (e.g. exhaust/hot pipes) shall be covered with heat insulating lagging/materials as per existing schedule or higher. This shall be the responsibility of contractor to provide protection of hot spots **including the cost of material at his own cost.**
- 8.32 The work of underwater repair such as repair/replacement of propeller shaft, propeller, cutlass bushes, rudder, repair/ maintenance of steering gear system etc. during scheduled/unscheduled dry docking to be carried out by the contractor through its maintenance team or through reputed workshop within stipulated time at his own cost. **DPA will provide only major spares such as propeller shaft, rudder and propeller (reconditioned or new) if replacement is required, however, reconditioning of these major spares has to be carried out by the contractor at his own cost.**
- 8.33 All the tools and tackles required to fulfill the obligation of the contract, will have to be arranged by the contractor at his own cost for executing the work. Arrangement for storing the materials, tools etc. will also have to be arranged by the contractor. The EMPLOYER shall not be responsible for any theft/loss of any materials, tools, etc. stored/brought by the contractor for execution of work within the Port area.
- 8.34 The Operator shall replace and/or substitute any personnel found by the DPA to be unsuitable/unsatisfactory for the smooth and efficient O&M of crafts. The contractor shall strictly follow the instructions/directions of the EIC or authorized person in this regard.
- 8.35 The following registers/file to be maintained at site in addition to the registers as mentioned under clause No. 50 of Section-II and as per requirement of all relevant labour and other statutory laws:
- I. Material accept & Issue Register ,Tools and Plants register.
  - II. Daily work done register for electrical & mechanical works.
  - III. History book for each launch wherein all the relevant details i.e. work, spare consumed etc. to be recorded regularly.
  - IV. Defect Register.
  - V. Lubricating oil consumption register.
  - VI. Inventory Books for stores & chemicals.
  - VII. Commission/ non- commission and dry dock record register.
  - VIII. Batteries maintenance register.

- IX. Maintain the maintenance schedule as per running hours/months with respect to OEM schedule in soft/hard copy for monitoring the maintenance of all machinery and equipment on board.
- X. Three monthly Megger Test Record of all electrical equipment on board and report has to be submitted to DPA along with other reports.

Apart from the above any other register/file which is required to maintain for smooth operation of crafts.

All the documents/registers/files prepared by the contractor will be the property of DPA. The contractor will not share the information contained in the above said registers/file with any outside person without written permission of EIC.

The contractor will submit the above register for verification of DPA on monthly basis after end of each calendar month on or before 5<sup>th</sup> of every month for the previous month.

The contractor will hand over the logs and registers/files to DPA at the time of completion of contract.

- 8.36 For any unforeseen breakdown in any of the crafts, the contractor has to submit an incident report mentioning the root cause of the failure and future course of action within 24 hours of happening of such incident.
- 8.37 Presently Pilot Launch ML Swati and Survey Launch ML Nirikshak are not in IRS Class, both launches to be registered with IRS Class within 6 months from the date of commencement of contract. All formalities required for registration shall be carried out by the contractor at his own cost including Class requirements. Only the available documents may be supplied by DPA, any shortfall shall be prepared by contractor including approval and certifications from authorized/statutory bodies.

**9 LIABILITY OF THE CONTRACTOR (PERTAINING TO OPERATION OF PILOT LAUNCHES ML SWATI & ML MAGH, MOORING LAUNCH ML ATRI AND SURVEY LAUNCH ML NIRIKSHAK) :**

- 9.1 The crafts manning shall be carried out in compliance as per statutory requirement of IV/MS act, based on the BHP and tonnage of the craft. Manning shall be organized in TWO/THREE Shift of 12/8 hours each, ensuring continuous operation 24X7X365 days including holidays & weekly off etc. No crew member shall be permitted to perform duty for more than 12 hours continuously on board.
- 9.2 All costs related to operational staff i.e. salary/wages, Sign on/Off, insurance, uniform, medical, transportation, lodging & fooding, victualing etc. to be borne by the contractor. DPA will not entertain any claim in this regard.
- 9.3 The Master and crew shall be qualified, experienced, trained & competent to man, operate and maintain, supervise and assist in operation of the launches

to the entire satisfaction of the DPA and VALID certificate of competency in accordance with the applicable rule shall be complied with.

- 9.4 Log books for the engine & deck side and defect register to be maintained on each craft by the contractor and relevant details to be filled in each shift/movement of the launch. **Fuel and lube oil consumption report to be submitted on 5th day of each month for the preceding month.** All records relating to receiving of fuel, lub oil, movement details to be logged down in the log book in chronological order. All the documents and entire craft is DPA property, the same shall be preserved with due care and shall be handed over back to DPA in original form of records. Any damage or theft of records & craft shall be treated as willful negligence of the contractor.
- 9.5 If any claims or legal proceedings are filed against the DPA crafts or owner and craft taken into custody by virtue of legal proceedings arising out of the operation of the crafts by the contractor, the Contractor shall immediately notify the DPA who may, at its option, come in and defend the same, at the expenses of the contractor. In the event the DPA shall select not to come in and defend, then the contractor shall forthwith take immediate action, legal or otherwise, to free the launches from the claim, demand or lien thereupon placed.
- 9.6 No tender of abandonment of the launches as a constructive total loss shall be made without the prior approval of the Owner.
- 9.7 The contractor shall not create, incur or permit to be imposed upon the launch any license whatsoever and agrees to indemnify and hold harmless the Owner against any and all claims, demands or liens of whatsoever nature arising out of the operation and custody of the launch by itself or out of any act or neglect on its part or the part of any third parties.

10. **SPARES & MATERIALS :**

- 10.1 The cost of all spares, materials **except OEM spares for Main Engines, Generator Engines and gearbox as well as replacement of LSA & FFA items as per statutory requirement** shall be borne by the contractor. The OEM spares if not available with DPA shall be procured by the Contractor on DPA's behalf except otherwise provided in the contract. Contractor is responsible for collecting the materials from DPA's premises if available and shall submit the proper account for consumption of these spares, which includes returning the used/ old items to DPA in its premises. The Contractor shall collect the spares/lube oil or any other material in the scope of DPA from DPA's premises and return the old spares/used oil/scrap items at DPA's premises at his own cost.
- 10.2 **For OEM spares of the Main Engines, Generator Engines, Gearboxes:**

For OEM spares of the Main Engines, Generator Engines, and Gearboxes, the contractor have to submit **the requirement of minimum OEM spares** necessary to **ensure efficient operation of the crafts for a period of one (1) year**.The contractor have to submit all documents and certification required for the proprietary item purchase approval to DPA, within the **45 days of commencement of the contract**.

This requirement **must be reviewed and have to submit the updated minimum requirement** for approval of OEM spares procurement to support operations of the crafts by the contractor at **first 15 days of every six months interval**.

Accordingly, DPA shall process the draft supply order and after approval of competent authority and award of supply order, the contractor shall procure and supply the same to DPA within the time period specified in supply order. Once the spare parts are procured and deposited by the contractor in the store of DPA in good condition, the reimbursement (if applicable) will be made by DPA as per terms of the contract. The spare parts procured by the contractor will be the property of DPA. The approval for the OEM spares required for top/major overhauling of Main Engines, Generator Engines or major repair of gearbox shall be taken well in advance to avoid uninterrupted service of the crafts.

In the event that the crafts become non-operational due to unavailability of OEM spares,such non-operational status shall be **attributable to the contractor**. In such cases, penalties shall be imposed in accordance with **Clause No.4.2 of Annexure-II**.

However, In a case of after submission of the **minimum required OEM spares** alongwith all documents and certifications required for proprietary item purchase approval within the **45 days of commencement of the contract** and **at first 15 days of every six months interval** by the contractor, the **lead time** required for taking approval for procurement of OEM spares through the contractor and delivery period of OEM spares will be treated as **delay from DPA side & will be considered on merit and no penalty will be imposed on the contractor for this period**.This **lead time** will be **attributable to the DPA** and **Clause No.8 of Annexure-II will be applicable**.

- 10.3 The list should also consist a technical report (if required), test report (if required), quantity, part nos., description of materials. The routine spares shall be counted for routine servicing of one year and shall be reviewed and procured on every six month basis. However, the list of minimum critical spares shall be maintained all times to meet the emergency requirement.The non available spares shall be procured by the contractor on behalf of DPA as per the terms of the contract.
- 10.4 **Major spares** for the propulsion system, **the propeller shaft, rudder and propeller (new or reconditioned)** shall be provided by DPA whenever **required**, however, **cutlass bushes/ bearing/glands etc.** shall be procured by the contractor at his own cost.

- 10.5 All the **sacrificial anodes** used in various heat exchangers e.g. Main Engines and generator etc shall be arranged by the contractor at his own cost **including the cost of material.**
11. **STORES & CHEMICALS:**
- The Contractor's liability shall extend to all stores including but not limited to, Stationery, Chemicals, Coolants, Engine room stores (Electrical & Mechanical), bosun store etc., which are required to maintain the crafts efficiently. A list showing items which are required to be provided under each store is enclosed at **Annexure – 'D'**. At the time of commencement of contract, available store items from the previous AMC will be handed over to contractor by DPA free of cost. However, all the store items listed in '**Annexure-D**' shall be returned back to DPA at the completion of contract as minimum. During the entire contract period the contractor has to maintain the minimum inventory of items as mentioned under **Annexure - 'D'**. All the store items to be procured to be of good standard and through reputed manufacturers / suppliers. If at any time DPA feels insufficiency regarding quality and quantity of stores, he will inform the Contractor which they have to rectify at the earliest.
12. **INSPECTION:**
- 12.1 DPA is entitled to inspect / survey the crafts at any time. The inspection / survey shall be conducted by DPA's representative in the presence of the Contractor's representative. The comments of DPA's representative shall be recorded in the SITE ORDER Register to be maintained by the Contractor. If any defect or deficiency is identified during the inspection, the same shall be recorded in the Register and signed by both DPA's and the Contractor's representatives. The Contractor shall immediately thereafter rectify such defect/deficiency.
- 12.2 The EIC or his authorized representative will have full power and authority to inspect any work related to the CONTRACT at any time. The CONTRACTOR is to provide necessary instrument at all times during the progress of any work related to the CONTRACT for inspection and measurement and to provide proper means of access and the necessary attendance to move and adopt as directed for inspection and measurement of work by the EIC or his authorized representative.
- 12.3 All workmanship so far as repair and maintenance of the CRAFTS are concerned will be of the quality specified in the CONTRACT or as per relevant Indian Standard if the same is not specified, to the entire satisfaction of the EIC or his authorized representative. The repair and maintenance works shall be subjected to such tests at CONTRACTOR'S cost as EIC or his authorized representative may direct at the place of work / site or at any such places connected with the work. The CONTRACTOR shall provide assistance, instruments, labours and materials as are normally required for examining, measuring and testing the workmanship as may be selected and required by the EIC. Whenever required, it will be the

responsibility of the CONTRACTOR to arrange for inspection by MMD Surveyor or IRS or other Statutory Authority, however fees regarding these inspections shall be treated as per the terms of contract.

13. **EXECUTION OF WORK:**

All the work shall be executed in strict conformity to the provision of the CONTRACT and instructions as may be given from time to time by EIC or his representative. The CONTRACTOR shall be responsible for ensuring that the safe marine practices are being followed for the works throughout the contract period and to the entire satisfaction of EIC or his representative.

14. **DEFECTS IN WORK DONE:**

If at any time, EIC or his authorized representative observed that any work done by CONTRACTOR is defective or not in accordance with CONTRACT, or that the WORK or portion thereof are defective or do not fulfill the requirement of CONTRACT, as soon as reasonably applicable, gives to the CONTRACTOR notice of the said decision, specifying particulars of the defects alleged to exist or to have occurred. The CONTRACTOR shall at his own expense and with all speed make good the defects. If the CONTRACTOR fails to make good such defects with reasonable speed, DPA shall arrange to carry out repairs to such defects/damages by itself / through another party and the expenses so incurred by DPA shall be recovered from the CONTRACTOR.

15. **DOWNTIME (MAINTENANCE PERIOD):**

15.1 Contractor shall be allowed a maintenance period for each crafts at the rate of 2 days i.e. 48 hours per month and same will lapse at the end of month and not to be carry forwarded to the subsequent month.

15.2 Contractor shall be allowed permissible downtime exclusively for dry-dock and post dry-dock repair of crafts for a period of 10 days i.e. 240 hours for each pilot launch & survey launch and 5 days i.e. 120 hours for each mooring launch including the time required for all associated requirements for Dry-Dock rerairing, i.e. reconditioning of major parts e.g. propeller shaft, rudder, propeller etc. will be permitted to the contractor annually in addition to the maintenance period as mentioned under para 15.1. Downtime contributed to dry-dock purpose shall not be considered for any other permissible downtime. This down time will lapse at the end of the year and not to be carry forwarded to subsequent years.

15.3 Contractor shall be allowed permissible downtime exclusively for top/major overhauling of Main Engines and Generator Engines and for major repair of Gearbox. Permissible down time for the said work shall be 15 days i.e. 360 hours for each pilot launch & survey launch and 7 days i.e. 168 hours for each mooring launch will be permitted to the contractor annually in addition to the maintenance period mentioned under para 15.1 & 15.2 above. Downtime contributed for this

purpose shall not be considered for any other permissible downtime. This down time will lapse at the end of the year and not to be carry forwarded to subsequent years.

15.4 Each day shall be counted equivalent to 24 hours.

## **16. ANNEXURE-A: TECHNICAL SPECIFICATION**

16.1 **Note:** The details given here are not exhaustive. The bidders are advised to inspect the launches prior to bidding. They can also verify the certificates, manuals, etc. pertaining to the crafts.

### **16.2 TECHNICAL DETAIL OF PILOT LAUNCHES ML MAGH & ML ROHINI: (REGISTERED UNDER M.S. ACT, Classed with IRS)**

1	Dimensions		
	a	Length WL	17.50 M
	b	Depth Moulded	2.66 M
	c	Breadth Moulded	5.80 M
	d	Draft	1.20 M
	e	Hull & Superstructure	Steel & FRP
	f	Year of Built	2015
	g	Class	IRS
	h	Gross Tonnage	65 T
	i	Net Tonnage	20 T
2	Classification		
		IRS Class	
3	Main Engines		
	a	Make	YANMAR



	b	Model	6AYM-WGT
	c	Type	4-Stroke,6 –Cylinder Inline
	d	ESN (P)	4548 (ML Magh) 4524 ( ML Rohini)
	e	ESN (S)	4547 (ML Magh) 4523 (ML Rohini)
	f	No of cylinders	06 Cylinder
	g	Rating	670 KW @ 1938 RPM
<b>4</b>	<b>Reduction Gearbox</b>		
	a	Make	Yanmar
	b	Model	YXH-240-2
	c	Type	Mechanical Hydraulic Operated
	d	SN (P)	00031 (ML Magh) 00029 ( ML Rohini)
	e	SN (S)	00030 (ML Magh) 00028 ( ML Rohini)
	f	Reduction Ratio	2.27:1
<b>5</b>	<b>Steering</b>		
	Mechanical Hydraulic Steering System (Main & Emergency Steering),Single Double Acting Cylinder		
<b>6</b>	<b>Propulsion</b>		
	Two high speed diesel engines installed as the Main Engines and connected to Twin screw fixed pitch propeller		

<b>7</b>	<b>Propeller</b>		
	a	Type	Fixed Pitch propeller
	b	Metal	Nickel Aluminium Bronze
	c	No. of blades	5
	d	Dimensions	Dia:-1020 MM, Pitch:-790 MM
<b>8</b>	<b>DG set</b>		
	a	Make	Simpson
	b	Model	S 433 Diesel Engine
	c	Type	4-Stroke, 4-Cylinder Inline
	d	No of cylinders	4-Cylinder
	e	Rating	30 KW @1500 RPM
	f	Alternator	IEC, 30 KVA, 1500 rpm, 3 ph , 50 Hz, 415 AC.
<b>9</b>	<b>Navigation and Other Equipments</b>		
	a	Radar	FURUNO, Model- 1715 , Set – 01
	b	VHF	Motorola, Model- GM338, Set- 02
	c	Magnetic Compass	Yuli , Set- 01
	d	GPS	Garmin, Model- GPS152H , Set- 01
	e	CVS	Set- 01
<b>10</b>	<b>Others</b>		
	a	Air Condition System	Split A.C. - 1.5 Ton (1 No.)
	b	Batteries 12 V	08 Nos.

	c	Portable Fan	06 Nos.
	d	Engine Room Blower	02 Nos. (Operated by 3 HP Electrical Motor)
	e	Bilge & G.S. Pump	Centrifugal Single stage type.(Electrical Motor Driven) (02 Nos.)
	f	Fuel Transfer Pump	Gear pump (Electrical Motor Driven) (01 No.)

### 16.3 **TECHNICAL DETAIL OF PILOT LAUNCH ML Swati :**

<b>1</b>	<b>Dimensions</b>		
	a	Length WL	23.05 M
	b	Depth Moulded	2.88 M
	c	Breadth Moulded	5.99 M
	d	Draft	1.2 M
	e	Hull & Superstructure	Steel & FRP
	f	Year of Built	2010
	g	Class	-
	h	Gross Tonnage	89 T
	i	Net Tonnage	27 T
<b>2</b>	<b>Classification</b>		
		-	-
<b>3</b>	<b>Engine</b>		
	a	Make	CATERPILLAR
	b	Model	C-32 ACERT

	c	Type	4-Stroke,V-type12 Cylinder
	d	ESN (P)	RNY-00430
	e	ESN (S)	RNY-00434
	f	No of cylinders	12 Cylinder
	g	Rating	850 BHP @ 1800 RPM
<b>4</b>	<b>Reduction Gearbox</b>		
	a	Make	TWIN DISC
	b	Model	MG 5204 SC
	c	Type	Mechanical Hydraulic Operated
	d	SN (P)	2013386
	e	SN (S)	2013387
	f	Reduction Ratio	2.92:1
<b>5</b>	<b>Steering</b>		
	Electro Hydraulic Steering System (Main Steering), Single Double Acting Cylinder		
	Mechanical Hydraulic Steering System (Emergency Steering)		
<b>6</b>	<b>Propulsion</b>		
	Two high speed diesel engines installed as the Main Engines and connected to Twin screw fixed pitch propeller		
<b>7</b>	<b>Propeller</b>		
	a	Type	Fixed Pitch propeller
	b	Metal	Manganese Bronze GR Cu-I

	c	No. of blades	4
	d	Dimensions	Dia:-1100 MM, Pitch:-1375 MM
<b>8</b>	<b>DG set</b>		
	a	Make	Kirloskar Oil Engine Ltd.
	b	Model	3R1040
	c	Type	4-Stroke, 4-Cylinder Inline
	d	No of cylinders	4-Cylinder
	e	Rating	31 KW @1500 RPM
	f	Alternator	Crompton Greaves, 25 KVA, 1500 rpm, 3PH , 50 Hz, 415 AC.
<b>9</b>	<b>Navigation and Other Equipments</b>		
	a	Radar	Samyung, Model- SMB3600, Set - 01
	b	VHF	Motorola, Model- GM338, Set- 01
	c	Magnetic Compass	Yuli , Set- 01
	d	GPS	Samyung, Model-SPR-1400, Set- 01
	e	CVS	Set- 01
<b>10</b>	<b>Others</b>		
	a	Air Condition System	Split A.C. - 1.5 Ton (1 No.)
	b	Batteries 12 V	08 Nos.
	c	Portable Fan	06 Nos.
	d	Engine Room Blower	02 Nos. (Operated by 3 HP Electrical Motor)

	e	Bilge & G.S. Pump	Centrifugal Single stage type.(Electrical Motor Driven) (02 Nos.)
	f	Fuel Transfer Pump	Gear pump (Electrical Motor Driven) (01 No.)

**16.4 TECHNICAL DETAIL OF SURVEY LAUNCH ML Nirikshak :**

<b>1</b>	<b>Dimensions</b>		
	A	Length OA	16.3 M
	B	Depth Moulded	2.35 M
	C	Breadth Moulded	4.6 M
	D	Draft	1.4 M
	E	Hull & Superstructure	Steel
	F	Year of Built	1999
	G	Class	-
	H	Gross Tonnage	58 T
	I	Net Tonnage	-
<b>2</b>	<b>Classification</b>		
		-	-
<b>3</b>	<b>Main Engines</b>		
	A	Make	CATERPILLAR
	B	Model	3306 DIT
	C	Type	4-Stroke,6-Cylinder Inline
	D	ESN (P)	84Z03087

	E	ESN (S)	84Z03094
	F	No of cylinders	6 Cylinder
	G	Rating	193 BHP @ 2000 RPM
<b>4</b>	<b>Reduction Gearbox</b>		
	A	Make	TWIN DISC
	B	Model	MG 5091
	C	Type	Mechanical Hydraulic Operated
	D	SN (P)	5FH933
	E	SN (S)	5FH932
	F	Reduction Ratio	2.95:1
<b>5</b>	<b>Steering</b>		
	Electro Hydraulic Steering System (Main Steering), Single Double Acting Cylinder		
	Mechanical Hydraulic Steering System (Emergency Steering)		
<b>6</b>	<b>Propulsion</b>		
	Two high speed diesel engines installed as the Main Engines and connected to Twin screw fixed pitch propeller		
<b>7</b>	<b>Propeller</b>		
	A	Type	Fixed Pitch propeller
	B	Metal	Bronze
	C	No. of blades	Three
	D	Dimensions	Dia- 720 mm

<b>8</b>	<b>DG set</b>		
	A	Make	Cummins Onan Engine Company. Inc Columbus ,Indiana
	B	Model	4B3.9-G(M)
	C	Type	4-Stroke, 4-Cylinder Inline
	D	No of cylinders	4-Cylinder
	E	Rating	41 KW @ 1500 RPM
	F	Alternator	Cummins-ONON, 37.5 KVA, 1500 rpm, 3PH , 50 Hz, 415 AC.
<b>9</b>	<b>Navigation and Other Equipments</b>		
	A	Radar	01 Set
	B	VHF	1) Sailor VHF DSC RM2042 (Denmark) 2) Sailor VHF RT2048 (Denmark)
	C	Magnetic Compass	01 Set
	D	GPS	Monlica, Model- MKGGPS-D, Set- 01
	E	Wind Screen Wiper	Set- 04
<b>10</b>	<b>Others</b>		
	A	Air Condition System	Split A.C. - 2 Ton (1 No.)
	B	Batteries 12 V	10 Nos.
	C	Portable Fan	04 Nos.
	D	Engine Room Blower	02 Nos. (Operated by 2 HP Electrical Motor)
	E	Bilge & G.S. Pump	Centrifugal Single stage type.(Electrical Motor Driven) (02 Nos.)



16.5 **TECHNICAL DETAIL OF MOORING LAUNCH ML Atri & ML Alok:**

**(REGISTERED UNDER M.S. ACT, Classed with IRS)**

1	Dimensions		
	A	Length OA	9.70 M
	B	Depth Moulded	1.85 M
	C	Breadth Moulded	3.50 M
	D	Draft	1.10 M
	E	Hull	Steel
	F	Year of Built	2019
	G	Class	IRS
	H	Gross Tonnage	14 T
	I	Net Tonnage	04 T
2	Classification		
		IRS Class	
3	Main Engines		
	A	Make	Greaves Cotton Limited
	B	Model	4G11TA
	C	Type	4-Stroke,4-Cylinder Inline
	D	ESN	1308041802410 (ML ALOK) 1308041802411 (ML ATRI)
	E	No of cylinders	4 Cylinder

	F	Rating	150bhp @ 1800 RPM
<b>4</b>	<b>Reduction Gearbox</b>		
	A	Make	ZF,Made In Italy
	B	Model	ZF 220
	C	Type	Mechanical Hydraulic Operated
	D	SN	20306904 (ML ALOK) 20306903 (ML ATRI)
	E	Reduction Ratio	3:1
<b>5</b>	<b>Steering</b>		
	Mechanical Hydraulic Steering System (Main Steering), Single Double Acting Cylinder		
	Mechanical Steering System (Emergency Steering)		
<b>6</b>	<b>Propulsion</b>		
	Single high speed diesel engine installed as the Main Engines and connected to Single screw fixed pitch propeller.		
<b>7</b>	<b>Propeller</b>		
	A	Type	Fixed Pitch propeller
	B	Metal	Manganese Bronze
	C	No. of blades	4
	D	Dimensions	Dia:-760 MM, Pitch Ratio:- 0.9
<b>8</b>	<b>Others</b>		
	A	Batteries 12 V	02 Nos.

	B	Bilge & G.S. Pump	1)Centrifugal Single stage type.(Driven by Main Engines) 2)Hand Operated Bellow type Pump.
	C	Clutch & Gear System For Blige & G.S. Pump	Make:- Ghatge Patil Industies Ltd. Model No.:- GP 1070 CP(M)

**16.6 TECHNICAL DETAIL OF MOORING LAUNCH ML Hasta & ML Vishakha:**  
**(REGISTERED UNDER GMB)**

1	Dimensions		
	A	Length OA	9.70 M
	B	Depth Moulded	1.50 M
	C	Breadth Moulded	3.30 M
	D	Draft	1.00 M
	E	Hull	Steel
	F	Year of Built	2022
	G	Class	IRS
	H	Gross Tonnage	11.15 MT
	I	Net Tonnage	3.4 MT
2	Classification		
		IRS Class	
3	Main Engines		
	A	Make	Ashok Leyland Marine Diesel Engines
	B	Model	ALM6DTILRTA

	C	Type	4-Stroke,6-Cylinder Inline
	D	ESN	MEHM109526 (ML HASTA) MEHM109527 (ML VISHAKHA)
	E	No of cylinders	4 Cylinder
	F	Rating	170 bhp @ 2000 RPM
<b>4</b>	<b>Reduction Gearbox</b>		
	A	Make	GHATGE PATIL
	B	Model	HG-11-1
	C	Type	Mechanical Hydraulic Operated
	D	SN	274065M20 (ML Hasta) 274064M20 (ML Vishakha)
	E	Reduction Ratio	2:1
<b>5</b>	<b>Steering</b>		
	Mechanical Hydraulic Steering System (Main Steering), Single Double Acting Cylinder		
	Mechanical Steering System (Emergency Steering)		
<b>6</b>	<b>Propulsion</b>		
	Single high speed diesel engine installed as the Main Engines and connected to Single screw fixed pitch propeller.		
<b>7</b>	<b>Propeller</b>		
	A	Type	Fixed Pitch propeller
	B	Metal	Aluminum Bronze
	C	No. of blades	4

	D	Dimensions	Dia:-700 MM, Disc Area Ratio:- 0.73
<b>8</b>	<b>Others</b>		
	A	Batteries 12 V	04 Nos.
	B	Bilge & G.S. Pump	1)Centrifugal Single stage type.(Driven by Main Engines Through Clutch) 2)Hand Operated Bellow type Pump. 3) Electric driven submersible pump
	C	Clutch & Gear System For Blige & G.S. Pump	Make:- Ghatge Patil Industries Ltd.

## **17. ANNEXURE-B: PAINTING SCHEME**

### **17.1 Inside Engine room painting:**

- 1 coat of 50 micron DFT Epoxy primer, 2 coats (Each coat of 50 micron DFT) DFT Tie coat epoxy paint and 1 coat of 50 micron DFT epoxy finish paint for the entire engine room including but not limited to bulkheads, pipelines, ceiling, frames, bilge plates, floor plates etc.
- **Contractor has to submit the DFT report of the paint.**
- Make of Paints shall be of **International/ Sigma/ Jotun** only.

## **18. ANNEXURE-C: MINIMUM RECOMMENDED MANNING**

### **18.1 Base/ Maintenance Staff To Be Posted At Site, DPA, Kandla (For Entire Crafts):**

<b>Sr. No.</b>	<b>Designation</b>	<b>Nos.</b>	<b>Minimum Qualification &amp; Experience</b>
1	Engineer Superintendent	01	Minimum MEO Class II certificate holder with 03 year hands-on experience on board ships/crafts/on shore (technical marine shore works), combined or separately. He shall be responsible for entire base operations (Including repairs /maintenance, operation, surveys ,Maintaining the all Register & Reports as per the scope of contract etc.)

2	Assistant Engineer	01	<p>Minimum Diploma Mechanical with 03 years of experience industrials/ maintenance/workshop/on board ships/crafts /shore based Marine Workshop, combined or separately.</p> <p>To assist the Engineer Superintendent for to handle the entire base operations (Including repairs /maintenance, operation ,surveys Maintaining the all Register &amp; Reports as per the scope of contract etc.)</p>
3	Diesel/Marine Mechanic	02	Shall possess the ITI certificate in the concerned trade and 05 years experience on board ships/crafts /shore based Marine Workshop, combined or separately.
4	Electrical cum Electronic Technician	02	Shall possess the ITI certificate in the concerned trade and 03 years experience on board ships/crafts /shore based Marine Workshop, combined or separately.
5	Welder cum Fitter	02	Shall have 03 years experience on board ships/crafts /shore based Marine Workshop, combined or separately. Welders should possess a valid Classification Society Certificate having a member of IACS.
6	Helper	04	03 years experience on board ships/crafts /shore based Marine Workshop, combined or separately.

### **18.2 OPERATIONAL CREW (Floating Crew – Statutory):**

The crafts manning shall be carried out in compliance as per statutory requirement of IV/MS act, based on the BHP and tonnage of the craft.

Manning shall be organized in TWO/THREE Shift of 12/8 hours each, ensuring continuous operation 24X7X365 days including holidays & weekly off etc. No crew member shall be permitted to perform duty for more than 12 hours continuously on board.

18.3 The above tables 18.1 show the minimum requirement of staff to be posted for maintenance work irrespective of nos. of crafts handed over to the contractor for maintenance. However, the contractor may deploy additional staff to fulfill the obligation as per scope of work at his own cost. Operational staff (18.2) for ML Swati ,ML Magh,ML Atri & ML Nirikshak shall be as per statutory requirement of IV/MS act.

18.4 The working hours for Engineer Superintendent and Assistant Engineer shall be from 09:00 hrs to 17:00 hrs on Port working days, however, he shall be available on call round the clock all days. The Contractor shall have to deploy the staff, leaded by Engineer Superintendent (over all In Charge) to deal with DPA in all technical and administrative matters.

18.5 The working hours of other maintenance staff in normal condition shall be as follows:

The contractor shall have to deploy staff as per pre-submitted Roaster Plan every month. One team consisting of one Diesel/Marine Mechanic, one Electrical cum Electronic Technician, one Welder cum Fitter and 3 Helper/Khalasi shall be deputed from 07:00 hrs to 15:00 hrs and another team consisting of one Diesel/Marine Mechanic, one Electrical cum Electronic Technician, one Welder cum Fitter and 1 Helper/Khalasi shall be deputed from 1500 hrs to 2300 hrs. However, in case of breakdown or major repair work the contractor can reshuffle the staff as per requirement to complete the work as early as possible. The staff shall attend the work even in non- working hours i.e. 2300 hours to 0700 hours during emergency. Manpower shall be appraised with Weekly off, Holidays as per labor laws. In case of work requirement, above mentioned staff may be booked on Over time or called on Holidays or weekly offs as per prevailing labor & Overtime rules. The Contractor shall arrange rotational and alternative weekly offs in such a manner that the maintenance activities of the crafts are not hampered. Further, the Contractor may engage additional manpower, with prior approval of the Engineer-in-Charge (EIC), to expedite ongoing maintenance or meet operational requirements.

AMC Contractor is sole responsible for timely payment / wages in accordance with the labor laws.

18.6 Contractor has to Provide **Bio-Metric Attendance Machine** at his own cost for the attendance of the staff at Kandla. As well as Contractor has to maintain the Attendance Register for the attendance of the staff. Bio- Metric Attendance of the staff has to be enclosed with the Payment bill with stamp & signature.

18.7 The working hours for all the three pilot launches, one survey launch and four mooring launches shall be round the clock all days including holidays and weekly off days.

## **19. ANNEXURE-D: LIST OF STORE ITEMS TO BE SUPPLIED BY CONTRACTOR**

19.1 List of items to be supplied and maintained by contractor under various stores, as per clause 11 of Scope of work is given hereunder:

### **A. Bosun & Mechanical Consumables Items**

<b>Sr. No.</b>	<b>Description</b>	<b>Minimum Qty. to Maintain</b>
1.	GAS (DA)	1 Cylinder
2.	GAS (OXYGEN)	1 Cylinder
3.	MS WELDING ELECTRODES	4kgs
4.	SS Welding Electrode	2 Kgs
5.	Brazing Electrode	1 Kg
6.	Rustoline/WD-40 (spray type can, min. of 250 ml each)	2 can
7.	HIGH TENSILE, SS and MS NUTS & BOLTS OF VARIOUS SIZES.	As per requirement
8.	Cotton Waste/rags/jute	50 kg.
9.	METAL PUTTY.	1/2 kg.
10.	EPOXY PAINTS MARINE GRADE (JOTUN/INTERNATIONAL/SIGMA).	One Drum(20 ltrs.) of each required colour
11.	EPOXY METAL REDOXIDE (JOTUN/INTERNATIONAL/SIGMA).	2 Drums (20 ltrs.)
12.	Rubber Hoses (0.5"/1"/1.5"/2"/3")	1 meter each
13.	Oil Seal of Required Sizes.	As per site requirement
14.	ALL TYPE OF CLEANING BRUSHES (SOFTCoir/NYLON BRISTLES).	As per site requirement
15.	Cardo bond, Anabond, Thread Sealant	2 pkts (min 100 gms) each
16.	Lead Resin compound	500 gms
17.	Moly coat	01 tin(500 gms)
18.	Silicon Sealant transparent	01pkts(500 gms)
19.	M-SEAL	2 kg
20.	Fevicol/loctite	100 ml
21.	O-ring kits	01 set
22.	Copper washer kit	01 set



23.	Steam joint (2 mm thick)/GP joint(2,3mm thick)/Rubber joint (2/3/4 mm thick).	1x1 meter of each thickness and each type
24.	Gland packing of 8,10,12 mm or any other required size	2 meter of each size
25.	Toughened Glass	As per site requirement
26.	Felt Filter (10mm)	width min 1mtr, length 10 mtr
27.	Lagging Rope/ Insulation material suitable for 600 degree temperature or higher.	10 Kgs
28.	Bellow one for each size for Main Engine & Generator Engine exhaust system of each craft.	As per site requirement
29.	Emery paper	1mtr roll each for course ,medium and fine
30.	Grinding paste	01 pkt each for course, medium and fine.
31.	Crack Detection Test Kit	One complete set
32.	Flanges, Valves, Elbow (long and short bend)	As per site requirement
33.	Zinc anodes (bar of suitable dia)	10 kg
34.	MS/Galvanised pipe	As per site requirement
35.	Copper Pipes	As per site requirement
36.	GI, Copper Sheet with required thickness	1x1 meter each
37.	Foot Valves 40 MM, 50MM	1 no. each
38.	SS Hose Clamps & Jublee Clips	As per site requirement
39.	Distilled water for batteries	40 ltrs
40.	Engine coolant concentrated/premixed as per OEM recommendation.	1)20 Ltrs for yanmar engines 2) 20 Ltrs for Gen set Engines 3) 60 Ltrs Cat ELC for cat engines. 4) 40 Ltrs for Greaves Cotton Engines

41.	Air Cooler Cleaning Liquid	20 Ltrs
42.	Cooler cleaning Brush & Rod	2 SETS
43.	Remote Control Cable 6/12 meter	4 nos each type
44.	Remote Control set	01 sets
45.	Batteries 180 AH	2 Nos.
46.	Ball bearings, mechanical seals, V-belts	As per site requirement
47.	Cutlass Bushes for propulsion shafts	Min. one set for each Craft
48.	Detergent Powder/cleaning soap	5kg
49.	Paint Thinner	20 ltrs
50.	Gloves for painting/chipping/cleaning	10 pairs
51.	Wooden plank	As per site requirement
52.	Teflon Tape roll.	6 nos.
53.	Spring Washer	As per requirement
54.	L- type Hose (2", 2.5")	As per requirement
55.	SS Wire Mesh	4 Sq meter
56.	Grease	20 kg
57.	Flexible pipe (¾ inch)	10 meter

#### **B. ELECTRICAL Consumable Items**

<b>Sr. No.</b>	<b>Description</b>	<b>Minimum Qty. to Maintain</b>
1.	Electrical fuses/Indication Lamp/kwh meter/voltmeter/ampere meter/required relays/push button/actuator/contactors/coils etc	As per site requirement
2.	LED Tube Lights 2ft & 4ft	10 Sets each
3.	Starter/ Chokes/switches	As per site requirement
4.	Deck light/superstructure light with fixture assembly	6 sets
5.	Search Light and flood light with fixture Assembly	01 set each
6.	Navigational Light with Fixture/Assembly	2 Red 2 Green 2White

7.	Spare bulbs for each type of Navigation Lights	2 Pieces for each type
8.	Petroleum jelly	2 kg
9.	battery lugs heavy duty, battery terminal heavy duty, charging clamps	04 pieces of each
10.	Heavy Duty Battery Cable	20 meter each black and red
11.	Single, double, three core electrical wire	20 meter each
12.	Single/double/three pole MCB & MCCB as per required ratings.	As per site requirement
13.	Insulating rubber matting for electric panels min. 6 mm thickness.	10 sq mtr.
14.	PVC insulating tape	05 Nos.
15.	ELECTRICAL/ELECTRONIC CARD CLEANER spray.	2 Tin (250 ml.)
16.	CABLE JUNCTION BOXES.	As per site requirement
17.	Wall mounting Fan 18"/450MM, 230V, 50HZ.	2 Nos.
18.	Cable tie	As per site requirement

### **C. Tools & Tackles**

<b>Sr. No.</b>	<b>Description</b>	<b>Minimum Qty. to Maintain</b>
1	Electric Buffing/grinding/cutting and drilling machine with 2 nos. of spare wheels for each and one set of drill bits	One set for each type
2	Scrapper	02 nos.
3	Chipping hammer	02 nos.
4	Wire Sling & Lifting Belt with safety certificate of 2/4/6 tons.	01 piece of each lifting capacity.
5	Grease Gun	01 nos.
6	Welding Machine with holder and cables	01 set
7	Gas cutting torch along with accessories and mountings	01 set
8	box spanner sets with ratchet handle & extensions (8 no. to 32 nos.)	01 sets
9	open & ring combined spanner set (8 no. to 32 nos.)	02 sets
10	Hacksaw with 10 nos of blade	01 Set
11	Torque Spanner	As per site requirement

12	Allen Key Sets (1mm to 17mm, corresponding in inches)	01 set for each mm and inch type
13	Megger, Clamp meter, Multimeter	01 no. each
14	Battery Charge having capacity of charging the 4 nos. 180 AH batteries simultaneously.	01 no.
15	Crimping Tool	01 no.
16	metal Wire Brushes	02 nos.
17	Paint Roller of Required sizes	As per site requirement
18	Painting Brush (4"/3"/2"/1")	2 nos. each
19	D-shackle	As per site requirement

19.2 The contractor will have to supply and maintain any other items in addition to items mentioned above as may be required / directed by DPA for the smooth operation and upkeep of the CRAFTS. For all items where the quantity is indicated 'As per site requirement', the contractor shall supply the same as per actual site requirement at the earliest to ensure the smooth operation, maintenance and upkeep of the CRAFTS.

19.3 The above list of various store items and tools is tentative and minimum requirement which shall be maintained by the contractor in the store and shall be procured and maintained **within 30 days of commencement of the contract**. However, for these **30 days the requirement of store items shall be met as per actual requirement basis**. The **replenishment of store items shall be carried out within 15 days from the date of consumption** to maintain the minimum store items as mentioned above.

19.4 The available store items from the previous AMC will be handed over to the contractor at the commencement of the contract. However, all the store items listed in "**Annexure-D**" shall be returned back to DPA at the completion of contract as minimum.

-Sd-

**Signature & Seal  
of Contractor**

**EIC(Tug)  
Deendayal Port Authority**

**Terms and Conditions**

**1. Payment Terms:**

All payments shall be made in Indian rupees unless specifically mentioned.

**1.1 Monthly Charges:** DPA shall pay to the Contractor the lump sum charges under the following heads per month per Craft, as quoted in **Schedule-B**. The rates quoted will be firm and not subject to any form of escalation:

**1.1.1** Comprehensive AMC of Craft, Engines and Equipments including but not limited to routine, preventive, periodic, breakdown, minor, major and dry docking R&M of crafts as well as its equipments, Machineries and complete technical management of the crafts including supply of Engine Stores and Chemicals (As per Annexure-D) required for O&M need.

**1.1.2** Round the clock Operation and manning of crafts as per IV/MS Act requirements (as per BHP & tonnage).

**1.2 Painting Charges:** Charges for painting work as specified in clause 8.10 & Annexure-B of Scope of Work shall be paid as and when painting work will be carried out after completion of painting per craft.

**1.2.1** Cleaning/chipping/painting of the entire engine room including but not limited to E/R bulkheads, Floors, pipelines, valves, tank bulkheads, exhaust trunking including insulation (HR paints), foundation of equipment and machineries in E/R, bilges including bilge floors, valves etc. with **min. one year of guarantee**. During the guarantee period if any area is found corroded the same should be repainted by the contractor without any extra charges.

**1.3** Payment towards painting as per clause 1.2 shall be made after successful completion of E/R painting and submission of **DFT Report** in all respect of individual craft. Bill for painting shall be included in the monthly running bill of the month, in which painting work completed successfully.

Contractor shall submit the monthly bill along with other maintenance schedule dully filled up and complete in all respect e.g. Labour Report, Staff Profile, TPIA report etc for that month and payment shall be released to the Contractor as per Tender Conditions.

The charges payable is subject to the deductions as per Penalty **Clause 4 of Terms & Conditions** hereinafter and also any other deductions mentioned elsewhere in the contract.

**1.4** If the required OEM spares are not available with DPA, the Contractor shall procure the spare parts from/through Original Equipment Manufacturers (OEM)/their authorized dealers on behalf of DPA after obtaining prior approval of DPA as per tender condition. The spares shall be deposited in DPA store and the spares will be issued by DPA to the contractor as per requirement. In such an event DPA shall reimburse the Contractor the actual invoice price of the spare parts in Indian rupees upon submission of invoices along with supporting documents i.e invoice of OEM in proof of having purchased the items from the OEM / authorized dealers with the guarantee / warranty etc., and the taxes and duties paid for such purchases. **Transportation cost shall be the responsibility of the contractor. DPA shall not pay separate charges of transportation.** It is to be noted that it is the prime responsibility of the Contractor to keep the crafts in commission at all times and as such penalty for non-availability of the crafts as per **Clause 4** of Terms & Conditions will be levied on Contractor for the period the crafts is out of commission.

**1.5** If the requirement of OEM spare part/material for repair is up to Rs. 15,00,000/- (Rupees Fifteen Lakhs only) in value, the Contractor shall procure/carry out the same on his own with the prior approval of DPA, who shall reimburse the cost after receipt of all spares in good condition at Kandla store and submission of all relevant documents.

**1.6** If the requirement of OEM spare parts/material for repairs exceeds Rs. Rs. 15,00,000/- (Rupees Fifteen Lakhs only) in value at a time, the Contractor may opt for one of the following option and same shall be mentioned clearly in the Contractor's letter to be submitted along with quotation for prior approval of DPA:

**1.6.1** May be paid in advance the entire value of the spares/materials charges on furnishing an irrevocable Bank Guarantee of Nationalized Bank / Scheduled Bank (except co-operative bank) having its branch in Gandhidham for equal amount. However, an interest at the rate of 18% per annum will be charged on such advance if it is found that the advance is not utilized or delayed i.e. the permissible time limit in Supply Order for supply of spares. The irrevocable BG shall be furnished to DPA to ensure proper appropriation and utilization of the funds for the purchase of spare parts/materials. However, DPA will reimburse the bank charges incurred on obtaining the BG subject to a maximum of 3% p.a. of the value of the BG, on production of documentary evidence. The said bank guarantee shall be released within 30 days after the crafts is made available for port operations after using the spares or the spares/materials which are purchased/imported or accounted/accepted by DPA.

**OR**

**1.6.2** The contractor after taking approval from DPA may directly pay the amount of spares to the OEM/Authorized dealer and procure the spares without taking any advance from DPA. Reimbursement shall be made after receipt of all materials in good condition in DPA stores and submission of all relevant documents. In this case the contractor shall be paid 3.0% of material/spares value as ad-valorem charges.

**2. Insurance:**

The contractor shall provide insurance cover in the joint names of the employer and the contractor, from the date of commencement of work to the end of guarantee period for the following events which are due to the contractor risk:

a) Personal injury or death.

**3. Extension:**

The Contract will be entered initially for 03 years from the date of commencement of work. However, the same may be extended for any period maximum up to 1 year on the same rates, terms & condition and quantity (arrived proportionately) on mutual consent.

**4. Penalty:**

**4.1** The Contractor shall ensure that each Launch is always ready for operation on demand. Each Launch will be allowed for maintenance period as mentioned under clause No. 15 of Scope of Work (SOW) for planned/preventive, major, dry dock etc. maintenance. Each Launch should be available 100% of total hours per month after deducting the period of maintenance as mentioned under clause No. 15 of SOW.

**4.2 Availability calculation shall compute as under:**

Let, A = Number of possible Launch hour in a month.

B= Number of hour the Launch is available under maintenance.

C= Net hours of Launch after planned /preventive, major, dry dock maintenance in a month.

D= 100% of hours, the Launch worked in a month.

E= Net availability of Launch.

F= Availability maintained or not, if any.

G= Penalty @ Rs. 1000/- per hour per Launch for Pilot Launch ML Rohini. Penalty @ Rs. 2000/- per hour per Launch for Pilot Launches ML Swati & ML Magh and Survey Launch ML Nirikshak.

Penalty @ Rs. 1000/- per hour per Launch for Mooring Launch ML Atri. Penalty @ Rs. 500/- per hour per Launch for Mooring Launches ML Alok, ML Hasta, ML Vishakha.

**Penalty calculation of Launch on monthly basis:**

Period* (Monthly)	Total hour in month	Allowed** Planned /preventive, major, dry dock Maintenance for each Launch	Actual Hour In a month (A-B)	100 % hours of Sr. No. (C)	Availability of Launch in hours	Short fall hours if any i.e. (D-E)	Penalty @ Rs.2000/1000/500 per hour per launch
	A	B	C	D	E	F	G

#### **4.3 SHORTFALL OF STAFF: -**

In the event the Contractor fails to employ at any time during the currency of the Agreement, the maintenance/ base staff confirming to the minimum scale indicated at **Annexure-C (clause No. 18) of SOW**, DPA shall deduct a sum of Rs. 250/- plus applicable GST, per hour or part thereof for short deployment of each maintenance/ base staffs and a sum of Rs.400/- plus applicable GST, per hour or part thereof for short deployment of each operational staff. For Engineer Superintendent and Assistant Engineer a sum of Rs.700/- and Rs.500/- plus applicable GST, per hour or part thereof respectively for short deployment. Such deductions may be deducted by DPA in addition to any damages or claims that DPA may have raised against the Contractor from the contractor bill/SD.

During the entire contract period, if any of the Launches (ML Swati, ML Magh, ML Atri and ML Nirikshak) goes out of operation **due to shortage of operational manpower**, these hours may be treated as Non-Available hours of the crafts and penalty will be imposed for **shortfall of staff** in addition to the **penalty for non-operations of the Launch** mentioned at 4.2 of Annexure-II.

#### **4.4 DELAY IN PROCUREMENT OF OEM SPARES:**

In case the contractor fails (reasons attributable to contractor) to procure the material/SPARES (OEM items) within the time limit mentioned in the supply order as per clause no. 10.3 of SOW, penalty at ½% of the "Supply Order Value" per week and part thereof may be recovered till supply of the material, limited to maximum of 10% of the "**Supply Order Value**".

#### **4.5 Maintenance:**

Routine maintenance shall be planned in such a way that, at any given time during currency of contract, out of **three pilot launches minimum two pilot launches** and out of **four mooring launches minimum two mooring launches** shall be in commission. For shortfall of each pilot/mooring launch compared to the minimum requirement attributable to the Contractor, penalty at the rate of **Rs. 1000/- per launch per hour or part thereof** shall be recovered from the payment of contractor till the minimum requirement is fulfilled.

#### **4.6 Utilization of Operational staff to other Launches:**

The penalty as mentioned under clause 4.2 above for Pilot Launches ML Swati, ML Magh, Survey Launch ML Nirikshak shall be applicable @ Rs. 2000/- per hour per launch and Mooring Launch ML Atri shall be applicable @ Rs. 1000/- per hour per launch. However, with mutual consent, the operational staff of non-operational Launch (due to maintenance), during out of commission/non-



operational period, may be deployed on other launches under this AMC contract. In this case the penalty on non-operational Launches (due to maintenance) shall be applicable @ Rs. 1000/- per hour per launch in place of Rs. 2000/- per hour per Launch for Pilot Launch & Survey Launch and @ Rs. 500/- per hour per launch in place of Rs. 1000/- per hour per Launch for Mooring Launch, for the period operational staff is utilized for operation of other Launch. This may be noted that in this case operations liabilities of other running Launch (in which operations staff deployed) will also lie with the contractor with the same terms and conditions as applicable for ML Swati, ML Magh, ML Atri and ML Nirikshak.

**Note: In any case minimum one personnel as watch and ward for safety of craft shall be deployed round the clock on crafts taken over by the contractor for complete O&M (ML Swati, ML Magh, ML Atri and ML Nirikshak). In case contractor fails to do so, DPA may deploy his own staff for the safety of own assets and cost incurred towards this by DPA shall be recovered from the contract's bill/SD.**

**4.7** The penalty to the contractor shall be imposed only for the delay/reasons attributable to the contractor, however, any delay/reason from DPA side, no penalty shall be imposed and reduced rate of payment shall be applicable as per terms of the contract.

**4.8** As per clause No. 9.1 of SOW, the contractor has to carry out registration of Pilot Launch ML Swati & Survey Launch ML Nirikshak with the IRS Class within 6 months from the commencement of the contract. Delay in registration on account of contractor will attract penalty @ Rs. 3000/- per day per Launch after expiry of 06 months from the commencement of work subject to maximum of Rs. 5,00,000/- per launch.

**4.9 Shortfall of Store Items: -**

In case the contractor fails to maintain the **requisite minimum quantity** of store items as specified under Annexure-D (Clause No. 19 of SOW), a penalty of Rs.200/- per item per day or part thereof shall be recovered from the contractor's R.A. Bill **until the minimum required quantity of materials is replenished, which shall in no case exceed 15 days from the date of their last consumption.** Notwithstanding the levy of such penalties, the contractor shall remain fully responsible for ensuring that the Launches should be made available as per DPA requirements.

**4.10 Non-submission of reports/registers/files :-**

The contractor is required to submit monthly/two month/quarterly/half yearly reports and registers/files as per clause No 8.21, 8.24, 8.25, 8.35 of SOW. If the contractor fails to submit the same within the stipulated time as per tender condition, a penalty of Rs.500.00 for each reports/registers/files per day and part thereof will be levied.

#### **4.11 Delay in commencement of AMC work:-**

If the contractor fails to commence the work with full-fledged staff and with other requirements as per tender condition, penalty at the rate of Rs. 1,000.00 per day and part thereof will be imposed.

**4.12** If the contractor fails to carry out maintenance work as per planned maintenance schedule (OEM schedule) the penalty at the rate of 1,000/- per activity per day the part there of will be imposed.

**NOTE:-** The maximum amount of penalty will 100% of the contract value. This shall not include penalty under clause no. 4.4 of Annexure-II.

#### **5. Guarantee:**

**5.1** The major works on main engine, generator engine and gearbox as well as dry dock repair work shall be warranted for six months from the date of test and trial or as per OEM policy whatever is applicable.

**5.2** E/R Painting: guarantee period of minimum one year.

#### **6. Third Party Inspection:**

DPA shall appoint the TPIA for monitoring the AMC work, if any observations/queries are made by Third Party Inspection Agency; the same shall be complied by the Contractor before the next scheduled visit. The TPIA will check and certify the same in the next visit. Payment for subsequent months may withhold if any observation/queries raised by TPIA are not complied by AMC Contractor (under the scope of AMC works). The charges incurred for Third Party Inspection Agency (TPIA) will be borne by DPA.

#### **7. Rejection:**

Substitution, changes or delays shall not be accepted unless confirmed by DPA. Rejected materials, if any, shall have to be collected from DPA site within two weeks after receipt of intimation by DPA.

#### **8. Reduced Rates for non-availability of Launches due to delay in procurement of OEM spares/ Major spares or any other reason attributable to DPA:**

**8.1** If any Launch is withdrawn from operation/remains out of operation owing to insufficient OEM spares/ major spares or any other reason attributable to DPA for more than 10 days, the payment towards contract shall be made at reduced rate of **20%** of the payment terms as mentioned in **clause-1.1.1 (comprehensive AMC) and 1.1.2 (complete O&M) of Terms & Conditions only** on pro rata basis from the date of confirmation of delay or 11<sup>th</sup> day from date of out of operation, whichever is earlier till the launch is put into operation. In case of delay is confirmed to be more than 90 days, the payment towards contract shall be made at reduced rate of **10%** of the payment terms as mentioned in **clause-1.1.1 (comprehensive AMC) and 1.1.2 (complete O&M) of Terms & Conditions only** on pro rata basis from the date of confirmation of delay or 91<sup>st</sup> day from the date of out of operation,

whichever is earlier till the Launch is put into operation. However, payment towards painting of crafts shall be made as per actual as mentioned under **clause-1.2 (payment term) of Terms & Conditions.**

It is also to be noted that, with mutual consent, the operational staff of non-operational Launch (ML Swati, ML Magh, ML Atri and ML Nirikshak), during out of commission/non-operational period, may be deployed on other launches under this AMC contract. In this case the payment towards clause No.1.1.2 of payment terms of terms & condition shall be made in full for the period for which operational staff is utilized for other craft.

- 8.2** If any of the Launches remains out of order/operation at the time of commencement of AMC for whatsoever reason, then the contractor shall take over all the Launches for maintenance as per direction of EIC, however, the launch which is to be withdrawn from the contract due to uneconomical repair cost or completion of economical life or any other reason shall not be handed over to the contractor. Payment towards comprehensive AMC shall be made at reduced rate of **20% of clause-1.1.1 (payment term) of Terms & Conditions only** on pro rata basis from the 11<sup>th</sup> day of taking over of Launch. In case of delay is confirmed to be more than than 90 days, the payment towards AMC shall be made at reduced rate of **10% of the clause-1.1.1 (payment term) of Terms & Conditions only** on pro rata basis from the date of confirmation of delay or 91<sup>st</sup> day from the date of taking over, whichever is earlier till the Launch is put into operation. However, payment towards painting of crafts shall be made as per actual as mentioned under **clause-1.2 (payment term) of Terms & Conditions.**

However, for both the above clauses (8.1 & 8.2 above), the Contractor shall maintain the machineries and equipments of the non-operational crafts in good working running condition.

- 9.** In case any of the works under this contract are not performed by the Contractor, like repairs, maintenance, painting, dry docking, surveys etc., then DPA shall carry out the same at the risk and cost of the Contractor with 20% overheads.
- 10.** Contractor to note that DPA is bound by various guidelines/ rules/ regulations of public procurement. Hence, the Contractor has to follow the same while seeking approvals from DPA for spares procurement as and when required.

**Signature & Seal  
of Contractor**

-Sd-  
**EIC(Tug)**  
**Deendayal Port Authority**

**SCHEDULE-B**

**Sub:** Comprehensive AMC for Port owned one no. of Pilot Launch & three nos. of Mooring Launches and complete O&M for two Pilot Launches, one Mooring Launch & one Survey Launch for a period of three years.

<b>Sr. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Rate (Rs.)</b>	<b>Amount (Rs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>1</b>	<b>Comprehensive AMC of Craft, Engines and Equipments including but not limited to routine, preventive, periodic, breakdown, minor, major and dry docking R&amp;M of crafts as well as its equipments &amp; Machineries and complete technical management of the crafts including supply of Engine Stores and Chemicals (As per Annexure-D) required for O&amp;M need.</b>				
1.1	Pilot Launch ML Magh	months	36		
1.2	Pilot Launch ML Rohini	months	36		
1.3	Pilot Launch ML Swati	months	36		
1.4	Survey Launch ML Nirikshak	months	36		
1.5	Mooring Launch ML Atri	months	36		
1.6	Mooring Launch ML Alok	months	36		
1.7	Mooring Launch ML Hasta	months	36		
1.8	Mooring Launch ML Vishakha	months	36		
<b>2</b>	<b>Round the clock Operation and manning of crafts as per IV/MS Act requirements, as per BHP &amp; tonnage.</b>				
2.1	Pilot Launch ML Swati	months	36		
2.2	Pilot Launch ML Magh	months	36		

2.3	Survey Launch ML Nirikshak	months	36		
2.4	Mooring Launch ML Atri	months	36		
<b>3</b>	<b>Cleaning/chipping/painting of the entire engine room including but not limited to E/R bulkheads, Floors, pipelines, valves, tank bulkheads, exhaust trunking including insulation (HR paints), foundation of equipment and machineries in E/R, bilges including bilge floors, valves etc. with min. one year of guarantee.</b>				
3.1	Pilot Launch ML Magh	Nos.	02		
3.2	Pilot Launch ML Rohini	Nos.	02		
3.3	Pilot Launch ML Swati	Nos.	02		
3.4	Survey Launch ML Nirikshak	Nos.	02		
3.5	Mooring Launch ML Atri	Nos.	02		
3.6	Mooring Launch ML Alok	Nos.	02		
3.7	Mooring Launch ML Hasta	Nos.	02		
3.8	Mooring Launch ML Vishakha	Nos.	02		
<b>Total Amount in Figure (Rs.) (Excl. GST)</b>					

***Note: Above rates are exclusive of GST***

**(Total Amount in Words Rs. \_\_\_\_\_)**

**Seal & Signature of  
contractor**

**-Sd-  
EIC(Tug)  
Deendayal Port Authority**