

DEENDAYAL PORT AUTHORITY

MECHANICAL ENGINEERING DEPARTMENT

Tel : (02836)270484/270354
FAX : (02836) 270184
Web : www.deendayalport.gov.in



Office of the Marine Engineer Gr.-I
Marine Bhawan.
New Kandla, Kutch,
Gujarat PIN-370 210

No. CME/Mech.Division/1738-2025/EOI

Date: - 21/04/2025

EXPRESSION OF INTEREST

“Repairing and retrofitting with Bio Methanol Compliant Main propulsion engines of Old Pilot Launch M.L. Niharika along with repairing/modifications of complete propulsion system with controls & alignment, Gear boxes, steering & rudder system, electrification & modifications on craft to operate successfully for pilotage operation at DPA. Thereafter complete outsourcing of O&M for next five years”.

Sir,

Under the Green port initiatives and net zero target of MoSPW, Deendayal Port Authority (DPA) intends to outsource the work of “Repairing and retrofitting with Bio Methanol Compliant Main propulsion engines of Old Pilot Launch M.L. Niharika along with repairing/modifications of complete propulsion system with controls & alignment, Gear boxes, steering & rudder system, electrification & modifications on craft to operate successfully for pilotage operation at DPA. Thereafter complete outsourcing of O&M for next five years” on urgent basis.

Interest and efficient contractor are requested to kindly submit the Expression of Interest (EOI) along with budgetary-offer along with Techno Commercial Offer for the subject work in the prescribed format at **Schedule-B** based on the terms and conditions enclosed at **Annexure- I**. Some of the available documents of Pilot Launch ML Niharika is placed under **Annexure-II**. Items in **Schedule-B** are indicative contractor is required to access the requirement for complete repairing and fitting of new Methanol Engines along with all the requirements to make the Pilot Launch Operational to attain round the clock shipping/pilotage/other required operations of DPA.

The rates quoted must be inclusive of all costs including but not limited to materials, labour, all tools & tackles, transportation, required Bio Methanol Compliant Main Propulsion Engines (IRS accepted), Gear box renewal (if required), Foundation & hull modifications, steel renewal as per requirement of DPA/IRS Class and any other charges 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 with techno commercial offer for the above work should reach the office of Marine Engineer Gr.-I on or before 30/04/2025 (soft copy through email and hard copy by post/hand).

Thanking you,
Yours faithfully,

Marine Engineer Gr.-I
Deendayal Port Authority

TERMS AND CONDITIONS

1. All tools & tackles, materials, steel renewal, labour, transportation, required Bio Methanol Compliant Main Propulsion Engines (IRS accepted), Gear box renewal (if required), Foundation & hull modifications, steel renewal as per requirement of DPA/IRS Class, certification of IRS Class and registration with GMB/MMD, etc. required for successful completion of the work to make Pilot Launch operation shall be arranged by the contractor at his own cost. Safe area on land to complete the work on docking blocks, space for working at site, required containers space for office & store purposes (if required), electricity and fire watch shall be provided by DPA free of cost. However, necessary permission shall be obtained by the contractor from the concerned departments/divisions of DPA. The complete work shall be carried out under supervision of DPA/IRS surveyor and to the satisfaction of DPA/IRS Class.
2. Contractor shall have previous experience of repairing/building of new crafts or ships with propulsion system. Contractor have to ensure for availability of required spare parts & services from OEM/OPM of supplied Methanol compliant dual fuel Engines, gear boxes or any new equipments installed.
3. Interested contractor shall also indicate the time period required for to complete the work. If work is intended to be carried out jointly as JV/consortium, documents for same shall also be submitted with EOI.
4. Port Entry permit for the labour, officials and materials if required shall be arranged by the party. DPA can assist only for issuance of authorization/NOC letter.
5. All Work shall be guaranteed for six months from the date of satisfactory test and trail at sea after completion of work.
6. Expected time period for the complete work is about 3 months from the readiness given by DPA after providing required repairing spaces for craft at site.
7. No transportation, accommodation etc. shall be provided by DPA.
8. The Contractor shall follow all the labour laws and acts.
9. All the rules and regulations governing DPA will be applicable.
10. FORCE MAJEURE: This shall be restricted to acts of GOD only.
11. During the guarantee period if any defect is found due to material/poor workmanship of the contractor, the cost of repair will be borne by the contractor and rework and other auxiliary work if required is to be carried out by the contractor free of cost including the cost of materials.
12. **GST Clause:** The contractor shall quote the price exclusive of GST. The contractor shall quote prevailing GST rate separately, which shall be reimbursed by DPA after ascertaining necessary compliance as per Goods & Service Tax, 2017. All other duties, taxes, cesses applicable if any, shall be borne by the contractor. No claims of contractor shall be entertained on account of any other taxes levied by central/ state government or authorities paid by him except GST.
13. For any delay in completion of the work which is attributable to the contractor, liquidated damage (L.D.) shall be levied at the rate of ½% (half percent) of the contract value for delay of each week and part thereof subject to maximum of 10 % of the contract value in the event of failure to complete the work within stipulated completion period or such extension as may be granted from time to time.
14. For repairing of the craft, payment may be made in phase wise.
15. Maximum of 95% payment may be released by DPA after successful test and trial at sea in present of IRS Surveyor, balance 5% shall be paid after completion of guarantee defect liability period of six months.
16. The work shall be carried out in accordance with the best standard of workmanship and to the entire satisfaction of DPA/IRS.
17. Cost of IRS inspection and certification of work shall be paid by DPA to IRS directly.

18. DPA reserves the right to cancel the work without assigning any reasons and also increase/ decrease the quantum of work.
19. Contractor shall be responsible for any damage, theft and fire during the execution of said works for his own and DPA property.
20. Income Tax/ Education cess/TDS on GST as applicable shall be deducted at source while making payment to the contractor for carrying out the work and only net amount shall be paid to the contractor.
21. The GST Registration No & Income tax PAN no (exemption if any) should invariably be submitted along with the quotation.
22. The contractor should strictly follow all statutory rules & regulations like labour law, insurance, safety norms & regulations etc.
23. Correction, if any, should be signed / initialed. White ink corrections are not allowed.
24. The contractor shall affix SEAL along with SIGNATURE in the offer documents (to be downloaded online from DPA/n-procure website) along with site visit form falling which the offers will be considered as non-responsive and be liable to non-consideration.
25. Contractor can be held liable for any monetary or non- monetary consequences on account of Non Remittance of tax by service provider to central government.
26. Contractor will be liable for carrying out all the work as per standard marine practice, fulfilling the IRS requirements for welding & steel quality test, painting as per existing scheme, approval of drawings from IRS for any amendments/ modifications, preparing and taking approval of any required drawing/documents required for IRS and not available with DPA.
27. The bidder is expected to examine carefully the instruction and Terms & Conditions also inspect the site and all factors required for successful completion of work.
28. The contractor is required to visit the site to understand the nature of the job involved prior to offering the rates, a copy of site visit form (form-1) shall be attached with this EOI.
29. Offer shall remain valid for a period of minimum 120 days from the date of submitting the EOI.
30. The contractor shall indemnify, protect and defend at its own cost, DPA and its agent & employees from & against any /all action, claims any kind of losses of damages arising out of:
 - a. Any violation by the contractor in course of its execution of the contractor of any legal provisions or any right of third parties.
 - b. Contractor's failure to exercise the skill and care required for satisfactory execution of the contract.

**Seal & Signature of
Contractor**

**Marine Engineer Gr.-I
Deendayal Port Authority**

Sub: - “Repairing and retrofitting with Bio Methanol Compliant Main propulsion engines of Old Pilot Launch M.L. Niharika along with repairing/modifications of complete propulsion system with controls & alignment, Gear boxes, steering & rudder system, electrification & modifications on craft to operate successfully for pilotage operation at DPA. Thereafter complete outsourcing of O&M for next five years”.

| Sr. No. | Item Description | Unit | Qty. | Unit Rate (Rs.) | Amount (Rs.) |
|---|--|-------------|-------------|------------------------|---------------------|
| PART A: Repairing and Retrofitting (Tentative Quantities) | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Renewal of steel plates/angles/frames /brackets/stiffeners/Foundations (Engines, pumps, tanks, gearboxes etc.)/Manhole door sets /round bars, etc. major plates of 6/8/10/12 mm thickness and bars of 32/60/100 mm dia. as per requirement in place on M. L. Niharika including the cost of material. (Note: All Steel must be sandblasted and painted with single coat of primer on both side before fitting). | Tons | 25 | | |
| 3 | Repairing/modification of above deck area accommodation, Engine rooms, restrooms & bridge area with fitting of glasses, pickings and lights with stand and brackets/frames for sea worthy requirements. | Lump sum | 01 | | |
| 4 | Sandblasting & Painting of underwater area with as per painting scheme of Craft/approved by paint manufacturer (Jotun /international/ Sigma) under guarantee period of minimum 3 years including cost of material. | Lump sum. | 1 | | |
| 5 | Painting of above water areas e.g. deck, Machinery space, inside tanks, bulkheads, frames, structures, equipments, bilge area etc. as per painting scheme of craft/approved by paint manufacturer (Jotun/international/Sigma) under guarantee period of Min. 1 year including cost of material. | Lump sum. | 1 | | |
| 6 | Supply, Installation, Testing & Commissioning of Bio Methanol Compliant dual fuel (diesel & Bio Methanol) Main Propulsion Engines and Gear boxes including but not limited to alignment & fitting of required parts/ equipments, control systems, propellers, propeller shafts, various seals/glands, initial fill Lube/hydraulic oils, Coolants etc. | No. | 02 | | |
| 7 | Repair/replacement of entire electrical installation and wiring along with 02 Nos of DG sets of the craft as per existing set up or IRS requirement. Any additional controls required for successful upgradation & operation of craft. | Lum sum | 01 | | |
| 8 | Various miscellaneous works require to make the Pilot Launch M. L. Niharika including but not limited to navigation and safety equipments, fire | Lum sum | 01 | | |

| | | | | | |
|--|--|------|----|--|--------|
| | water with pumps & hydrants, repairing and fitting of Rudder assembly with complete system with glands/means of operation, controls, Engine room requirements, 02 nos. of AC as per requirements. | | | | |
| 9 | Supply and Fittings of Zinc Anodes on underwater hull having approx. weight of 3.5 kg. Note: Zinc anodes with purity higher than 99% and certified by Govt. approved Lab/Marine Class societies. | Nos. | 25 | | |
| Total Amount in Figure (Rs.) _____ | | | | | Total= |
| PART B: Operation and Maintenance after successful completion of PART-A of BOQ | | | | | |
| <p>AMC of Pilot Launch ML Niharika for complete Operation & Maintenance including manning, on yearly contract value, including but not limited to:</p> <ul style="list-style-type: none"> Statutory minimum manning for round the clock operation, Minimum of 02 nos. of maintenance staff on first (0700 to 1500 Hrs.) and second shift (1500 to 2300 Hrs.) with qualified and experienced ITI welder cum fitter and Mechanic. 01 no. of experienced supervisor having Minimum one-year experience in operation/ maintenance of any self-propelled vessel i.e. craft/tugs/ships etc. responsible for complete O&M with daily duty hours from 10.00 to 0600 Hrs. 01 no. of Experienced electrician in day shift who has to take care for electrical equipments & installation for round the clock shipping operation at Kandla. 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 all the equipments 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. 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. All the consumable require for Pilot Launch Niharika including provisions, Jute & Rags, all tools & tackles, grease, etc. for complete period of contract of the Craft, except items specifically mentioned in the scope of DPA. | | | | | |
| DPA Scope: | | | | | |

| | |
|--|--------------|
| <ul style="list-style-type: none"> Fuel, Lub oil & Gear Oil shall be provided by DPA free of cost. Water and Electricity shall be provided by DPA free of cost subject to availability. Statutory fees for MMD & GMB shall be reimbursed by DPA. OEM spares for Main Engines, Generator Engines, Gearbox as well as major spares i.e. propeller shaft, rudder and propeller shall be provided by DPA, contractor has to raise the requirement well in advance for efficient operation of crafts. However, reconditioning of major spares will be in the scope of contractor including transportation and other requirements. Mooring ropes for all the crafts shall be provided by DPA. | |
| Total Amount in Figure (Rs.) _____ | Total= |
| Total Amount (Part A + Part B) in Words- Rs.(_____) Note: Above rates are exclusive of GST. | Total (A+B)= |

-Sd-

Seal & Signature of

Contractor

Marine Engineer Gr.-I

Deendayal Port Authority

Annexure-II

14.1 **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 before offering offers. Some of the indicative drawings attached below.

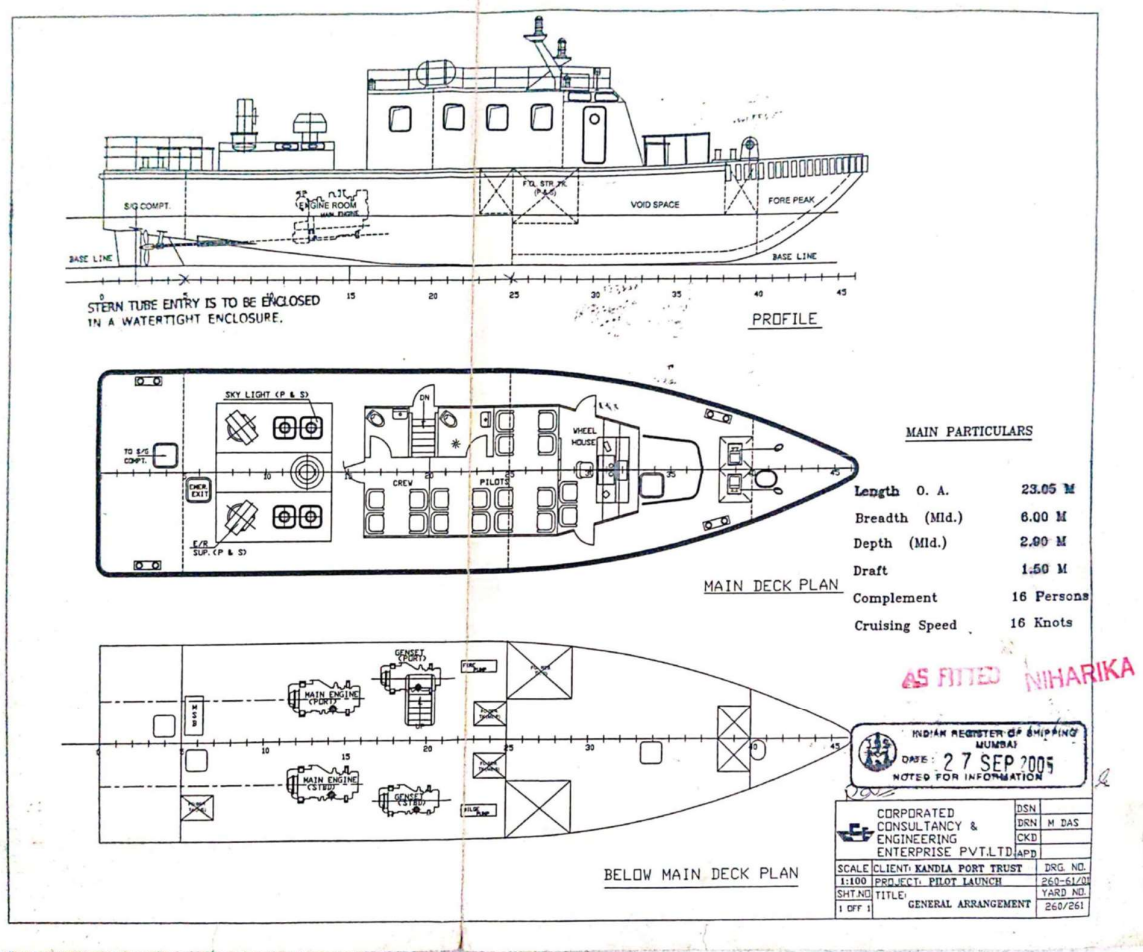
14.2 TECHNICAL DETAIL OF PILOT LAUNCH ML Niharika : (REGISTERED UNDER M.S. ACT).

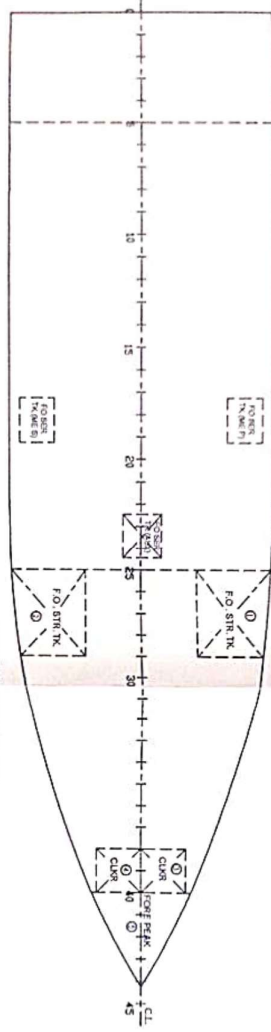
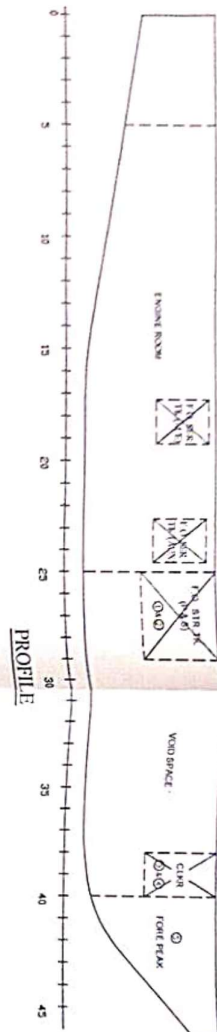
| | | | |
|----------|--|-----------------------|-------------------------------|
| 1 | Dimensions | | |
| | a | Length WL | 23.10 M |
| | b | Depth Moulded | 2.90 M |
| | c | Breadth Moulded | 6.00 M |
| | d | Draft | 1.50 M |
| | e | Hull & Superstructure | Steel & FRP |
| | f | Year of Built | 2007 |
| | g | Class | - |
| | h | Gross Tonnage | 100 T |
| | i | Net Tonnage | 30 T |
| 2 | Classification | | |
| | | IRS | Old (withdrawn) |
| 3 | Main Engine | | |
| | a | Make | CATERPILLAR |
| | b | Model | 3412 M |
| | c | Type | 4-Stroke,V-type12 Cylinder |
| | d | ESN (P) | 7 BL 02456 (ML Niharika) |
| | e | ESN (S) | 7 BL 02454 (ML Niharika) |
| | f | No of cylinders | 12 Cylinder |
| | g | Rating | 615 KW @ 2100 RPM |
| 4 | Reduction Gear Box | | |
| | a | Make | Hitachi |
| | b | Model | MGN 86EL-IA-IIA |
| | c | Type | Mechanical Hydraulic Operated |
| | d | SN (P) | 4N863920 (ML Niharika) |
| | e | SN (S) | 4N863919 (ML Niharika) |
| | f | Reduction Ratio | 3.48:1 |
| 5 | Steering | | |
| | Electro Hydraulic Steering System (Main Steering), Single Double Acting Cylinder | | |
| | Mechanical Hydraulic Steering System (Emergency Steering) | | |
| 6 | Propulsion | | |
| | Two high speed diesel engines installed as the main engine and connected to Twin screw fixed pitch propeller | | |
| 7 | Propeller | | |
| | a | Type | Fixed Pitch propeller |
| | b | Metal | Manganese Bronze GR Cu-I |

| | | | |
|----------|--|-----------------|--|
| | c | No. of blades | 4 |
| | d | Dimensions | Dia:-1100 MM, Pitch:-1320 MM |
| 8 | DG set | | |
| | a | Make | Simpson |
| | b | Model | S 433 Diesel Engine |
| | c | Type | 4-Stroke, 4-Cylinder Inline |
| | d | No of cylinders | 4-Cylinder |
| | e | Rating | 31 KW @1500 RPM |
| | f | Alternator | KEL, 25 KVA, 1500 rpm, 3 ph , 50 Hz, 415 AC. |
| 9 | Navigation and Other Equipment's as per IRS Approved Plan | | |

Documents of Pilot Launch M.L. Niharika

Drawings: D-1





GENERAL TESTING REQUIREMENTS

| TANK NO | DESCRIPTION | TYPE OF TEST | TEST PRESSURE |
|---------|----------------------|--------------------|---------------|
| 1 | FO. STR. TUG | STRUCTURAL TESTING | A |
| 2 | FO. STR. TUG | STRUCTURAL TESTING | A |
| 3 | CHAIN LOCKER (P) | STRUCTURAL TESTING | B |
| 4 | CHAIN LOCKER (S) | STRUCTURAL TESTING | B |
| 5 | FORE PEAK | STRUCTURAL TESTING | C |
| 6 | WATERCRAFT BULKHEADS | LOAD TESTING | C |

* TO BE AS PER PART 3, CH. 18, SEC. 3.5 OF THE RULES.

A 400mm head above highest point of tank
 B Head of water up to 10m
 C Head of water up to 10m and forward deck

NOTE: LEAK TESTING MAY BE CARRIED OUT INSTEAD OF STRUCTURAL TESTING FOR A GROUP OF TANKS PROVIDED ONE OF EACH TYPE OF TANK IS STRUCTURALLY TESTED.

TO BE AS PER PART 3, CH. 18, SEC. 3.4.1 OF THE RULES.

AS AMENDED
 SEE LETTER

NIHARIKA

APPROVED
 DATE: 24 MAY 2014
 INDIAN REGISTER OF SHIPPING
 MUMBAI

EXAMINED BY
 REVIEWED BY

| | | |
|--|-------------------|----------------|
| CORPORATED CONSULTANCY & ENGINEERING ENTERPRISE PVT. LTD. | | SEN K. LAKA |
| NAME | KANDLA PORT TRUST | SEN K. LAKA |
| PROJECT | PILOT LAUNCH | SEN K. LAKA |
| DRG NO | 2004/03 | SEN K. LAKA |
| YARD NO | 2004/03 | SEN K. LAKA |
| TITLE | TANK TESTING PLAN | SEN K. LAKA |

