

DEENDAYAL PORT AUTHORITY



Hydraulic & Dredging Division,
Room No. 310, Annexure Building,
Gandhidham – 370 210
Email: dyhekpt@gmail.com

No. HE/SR/4105/M.L.Nirikshak/

Dated : 25/08/2025

To,

Expression of Interest

Sub: - "Hiring of Hydrographic Survey Equipment, one Technician & one Hydrographic Surveyor for survey vessel M.L. Nirikshak of Deendayal Port Authority for a period of two years".

Sir,

Deendayal Port Authority is a Major Port under Ministry of Ports, Shipping & Waterways located in the Kutch District of Gujarat State would like to obtain Expression of Interest along with budgetary offers for **"Hiring of Hydrographic Survey Equipment, one Technician & one Hydrographic Surveyor for survey vessel M.L. Nirikshak of Deendayal Port Authority for a period of two years"** from reputed hydrographic survey agencies based in India.

Scope of work and specifications are attached herewith.

Interested firms/companies may send their EoI along with budgetary offer before 05/09/2025 on email address: g.srinivasarao.324@gmail.com; dyhekpt@gmail.com; deputyhe@deendayalport.gov.in and send the duly signed original documents to the undersigned positively within 7 working days from submission through email to the following address:

To

Deputy Hydraulic Engineer
Hydraulic & Dredging Division,
Marine Department,
Room No. 310, Annexure Building,
Gandhidham – 370 210
Email: g.srinivasarao.324@gmail.com
Kutch – GUJARAT.

Encl: Annexure A & B


25/08/2025

Deputy Hydraulic Engineer
Deendayal Port Authority

SCOPE OF WORK

General information and area description: -

The Deendayal Port Authority, Kandla is situated along the West Coast of India, in the Gulf of Kutch and along the West Bank of Kandla Creek at 70° 13'E longitude and 23° 01'N Latitude. The Port was developed after independence of India. It was commissioned in the year 1955 with 2 dry Cargo Berths and was declared a Major Port. The economic hinterland of the Major Port of Kandla comprises of Jammu and Kashmir, Himachal Pradesh, Punjab, Haryana, Delhi, Rajasthan, Uttar Pradesh, Madhya Pradesh and Gujarat. The Port is served by broad gauge Railway. It is also connected with major cities of India by road through the National Highway No. 8 A. with the globalization of the trade the quantum of export/import of cargo in terms of tonnage being handled is rapidly growing. The Port therefore in need to creating new facilities to improve the standards of the cargo handling and provide better facilities, comparable with the best in the world. Considering the quantum of work and the sensitivity of the port, it is decided to hire one set of Hydrographic Survey Equipment on per day hire basis for carrying out the bathymetric survey works for a tentative period of two years within port limits.

For this purpose, Deendayal Port Authority (the Employer) is inviting Expression of Interest (Eoi) for **“Hiring of Hydrographic Survey Equipment, one Technician & one Hydrographic Surveyor for survey vessel M.L. Nirikshak of Deendayal Port Authority for a period of two years”** from a reputed hydrographic survey agency based in India.

SPECIFICATIONS OF SURVEY EQUIPMENTS AND SCOPE OF WORK:

1. DGPS -2 Sets R12i GNSS with RTK license (Trimble DGPS/SPS855/852 or equivalent equipment from a reputed manufacturer), - Base Station and Rover with pole attached and tripod with receiver display).
2. Single Beam Echo Sounder- one Set (Atlas Deso 20/MK-III or equivalent from a reputed manufacturer with thermal paper recorder and digital display)
3. Heave Compensator- One number - Teledyne DMS-H or equivalent from reputed manufacturer.
4. Latest Hypack Survey Software and dongle with online and offline- two set of computers with chart processing applications.
5. Current meter– One No.
6. Sound Velocity Probe – One No.
7. Survey Technician - One (for technical support /maintenance of equipment)
8. One Hydrographic Surveyor (for carrying out hydrographic surveys in the port water along with DPA personnel).

DETAILED DESCRIPTION OF EQUIPMENT:

- (i) DGPS of Trimble DGPS SPS855/852, Hemisphere or equivalent make to display accurate locations with sub meter accuracy. DGPS with all cables (including GPS Receiver Antenna, transmitter Antenna, Data Link, Data Link Power supply, RTK Antenna etc. (Complete DGPS with RTK operation system). - One Set.
- (ii) Atlas Deso 20 or MK-III Echo sounder with thermal paper recorder and digital display unit along with compatible transducer from OEM - One Set.
Hull mount integrated single beam Echo Sounder, Heave Sensor etc. All cables should be included – MK-III/ Atlas Deso 20 or equivalent from a reputed manufacturer with bar plate to support the Hypack survey software.
- (iii) Necessary dry docking shall be arranged by the bidder to fit the transducer of the single Beam Echo-Sounder and fitting charges shall be borne by the bidder.
- (iv) One set of spare cables for all hydrographic survey equipment to be supplied and handed over at the time of installation.
- (v) Current meter of Valeport or equivalent make including software and all connecting cables and leads of all accessories should be made available onboard the survey launch.
- (vi) Sound Velocity probe/profiler of Valeport or equivalent make to measure a range from 1500 m/s to 1600 m/s. and beyond.
- (vii) 2 Nos. desktop computers suitable for hydrographic surveys and processing of data with the following specifications: -

- (a) Intel Core i7 -6th Generation, i7Gigabyte Motherboard 4, PCI slot / RAM 12 GB / 1 TB Hard disk, keyboard, Mouse, Logitech /Nvidia Graphics card 4 GB /Circle Cabinet with Gold SMPS Moxa - 8 port Moxa card with cable, Online Dongle and Offline dongle key separately.
- (b) 12GB RAM, 6/8 Moxa serial ports card in built with Hard Disc, USB serial hub, 1 TB external hard disk of 2 Nos., 1 TB of internal hard disk, DVDRW, RS-232 support and to link and interface with heave sensor, DGPS, Echo Sounder, Gyro etc. PC is to be supported with splitter box (VGA) and helmsman of 24 inch monitor, and 2 Nos. 32 GB USB drives for data transfer etc.
- (viii) The offer should include all other taxes, levies at Gandhidham, Gujarat including assembling, installation, supply, commissioning and training for seven officers / staff of Marine Department). All rates should be included in their offer. The rates should be quoted in Indian rupees.
- (ix) **Survey Technician - One No.**
- The Survey Technician shall responsible for the daily maintenance and upkeep of the hired hydrographic survey equipment onboard DPA's Survey vessel M.L.Nirikshak throughout the contract period of two years.

The survey technician shall be posted by the agency throughout the contract period of two years and shall possess minimum qualifications and experience as under:

- (i) ***Diploma in Electronics & Communication/Electrical/Civil Engineering branch with five years relevant experience in Hydrographic Survey works.***
- (x) **Hydrographic Surveyor- One No.**
- The Hydrographic surveyor shall be responsible for Bar check, calibration of equipment including electronic position fixing system, SBES & MBES survey works as and when required by the port to meet the essential requirement of hydrographic surveys onboard DPA's survey vessel M.L.Nirikshak throughout the contract period of two years.

The hydrographic surveyor shall be posted by the agency throughout the contract period of two years and shall possess minimum qualifications and experience as under:

(i) Degree in Civil Engineering branch with 3 years relevant experience in Hydrographic Survey works.

OR

(ii) Diploma in Civil Engineering branch with 5 years relevant experience in Hydrographic Survey works.

(iii) Surveying Recorder 1st class from Indian Navy with relevant experience in experience in Hydrographic Survey operations and training.

OR

The candidate should know swimming and self-confident for saving his life at Sea.

**Deputy Hydraulic Engineer
DEENDAYAL PORT AUTHORITY**

(SCHEDULE OF QUANTITY)

NAME OF WORK: “Hiring of Hydrographic Survey Equipment, one Technician & one Hydrographic Surveyor for survey vessel M.L. Nirikshak of Deendayal Port Authority for a period of two years.”

Sr. No.	Description	Qty.	Unit	Rate in INR	Amount in INR
1.	<p>Hiring of hydrographic survey equipment's (as mentioned in scope of work) for DPA survey vessel M.L. Nirikshak for a period of two years which includes supply, installation of survey equipment and put in the commissioning / works operations for hydrographic survey pertaining within Deendayal Port limits.</p> <p>(1) DGPS of Trimble DGPS SPS855/852, Hemisphere or equivalent from a reputed manufacturer to display accurate geographic locations with sub meter accuracy. DGPS with all cables (including GPS Receiver Antenna, transmitter Antenna, Data Link, Data Link Power supply, RTK Antenna etc. (Complete DGPS with RTK operation system) - One Set.</p> <p>(2) Atlas Deso 20 or MK-III Echo sounder with thermal paper recorder and digital display unit along with compatible transducer from OEM - One Set.</p> <p>(3) Heave Compensator - One set</p> <p>(4) Latest Hypack Survey Software and dongle with online and offline- two set of computers with chart processing applications.</p> <p>(5) current meter of valeport or equivalent make-one unit.</p> <p>(6) Sound Velocity probe/profiler of Valeport or equivalent make- One unit.</p> <p>(7) Survey Technician - One</p> <p>(8) Hydrographic Surveyor- One</p>	300	days		

The above work includes supply of equipment (as mentioned scope of work), standby charges, mobilization, demobilization of equipment, posting of survey technician and hydrographic surveyor for the tentative period of two years, insurance and all other costs / expenditure in connection with the contract.

(Note: Payment will be made on actual number of days utilized for hydrographic survey work, quantity of 300 days mentioned is tentative considering the average 150 days per year.)

**Deputy Hydraulic Engineer
Deendayal Port Authority**