



ನವ ಮಂಗಳೂರು ಬಂದರು ಪ್ರಾಧಿಕಾರ
ನವ ಮಂಗಳೂರು ಪತ್ತನ ಪ್ರಾಧಿಕಾರಣ
NEW MANGALORE PORT AUTHORITY
(Fully Solar Powered)

ಭಾರತ ಸರ್ಕಾರ (ಪತ್ತನ, ಪೊತ ಪರಿವಹನ ಔರ ಜಲಮಾರ್ಗ ಮಂತ್ರಾಲಯ)
Govt of India (Ministry of Ports, Shipping and Waterways)

ಪಣಂಬೂರು ಪಣಂಬೂರು Panambur / ಮಂಗಳೂರು ಮಂಗಳೂರು Mangalore - 575010

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Azadi Ka
Amrit Mahotsav



NO: MCD/MHC/24-25/EE(M)

Dtd.10-05-2024

To,

The Prospective Bidders,

Sir,

Sub: Comprehensive Operation and Maintenance contract for 2 Nos. Italgru make, 63 T Capacity, Mobile Harbor Cranes (MHCs) of NMPA, for a period of 3 years – Budgetary Quotations invited - Reg

Competitive quotations are invited for “**Comprehensive Operation and Maintenance contract for 2 Nos. Italgru make, 63 T Capacity, Mobile Harbor Cranes (MHCs) of NMPA, for a period of 3 years**” as per BOQ & Terms & conditions detailed below.

Bill of Quantity (BOQ)

Sl. No	Item Description	Monthly Hire Charges for 1 st Year	Monthly Hire Charges for 2 nd Year in Rs	Monthly Hire Charges for 3 rd Year in Rs.
1	Comprehensive Operation and Maintenance contract for 2 Nos. Italgru make, 63 T Capacity, Mobile Harbor Cranes of NMPT” as per the Scope of work and terms & conditions, excluding GST.			
	Total monthly hire charges for (1 st year, 2 nd year, 3 rd year) Excl GST			
	GST @.....%			
	Total amount Incl GST			

Total amount in words Rupees.....

Terms and Conditions:

1. Monthly charges quoted above in BOQ shall be for 2 no cranes. Evaluation will be done on the basis of total monthly charges for (1st year, 2nd year, 3rd year)excl GST
2. Competitive budgetary quotations are invited from reputed, bonafide, resourceful & experienced prospective firms with experience in Supply, Manufacturing of MHCs, OEMs of MHCs, O&M contractors, stevedores, agents with cargo handling in sea/riverine ports.
3. The experience criteria requires the bidder to have handled an average of 1 lakh MT of dry bulk, break-bulk cargo in any 3 years of the past 7 years.
4. The successful bidders has to submit **Performance Security** of 10% of the total contract value including GST of which 5% rounded off to nearest thousand Rupees should be submitted in the form of Bank Guarantee from any Nationalized/Scheduled Bank. The Bank Guarantee shall be kept valid for the total contract period of three (3) years Plus Six month claim Period. Balance 5% contract value will be recovered as retention money from the monthly running Bills.
5. Tender evaluation shall be done on the basis of **lowest value (L1)** quoted. The complimentary items and GST element if any will **not be considered** for comparison.
6. The bid with any counter conditions will be summarily rejected.
7. Scope of work is enclosed as ANNEXURE-I.
8. The contract period is for 3 years which is extendable upto 1 more year if required by NMPA on the same rates of 3rd year and same terms and conditions.
9. The competitive offer enclosed in a sealed cover super scribed as "Comprehensive Operation and Maintenance contract for 2 Nos. Italgru make, 63 T Capacity, Mobile Harbor Cranes (MHCs) of NMPA, for a period of 3 years" should reach to the under signed on or before 31/05/2024 till 15:00 Hrs. to the below mentioned address. Budgetary Quotations will be opened on the same day at 16:00 Hrs in the presence of the bidders who wish to be present.

Encl: ANNEXURE I, II



(Chandrashekar)

Executive Engineer (M)

Address for Communication:

Room No.234, 2nd Floor, Technical Cell,
Mechanical Engineering Department
NMPA, Panambur, Mangalore, Karnataka – 575010
Mobile No.9448910767

SCOPE OF WORK

1. The scope of work is Comprehensive Operation and Maintenance of Port Owned 2 Nos. Italgro make 63Ton Capacity Mobile Harbor Cranes (MHC's) at New Mangalore Port Trust for a period of 3 Years. The CAMC of MHC's also includes its attachments viz. 3 Nos. Grab Buckets of 16 Cum capacity and 3 Nos. Automatic Telescopic Spreaders to handle 20ft & 40ft Containers. NMPT shall, however, have the right to exercise its discretion of extending the contract by one more year in case it considers it necessary. The extension shall be granted on the basis of same rates, terms and conditions and the contractor is bound to accept the proposal for extension compulsorily without imposing any counter conditions.
2. The MHC's shall be used for loading/unloading of various types of cargo mix into/from ships. Generally all bulk cargoes like food grains, agro products, fertilizers, raw materials, coal, scrap, iron ore, minerals, break bulk cargoes, structural, steel coils, granite/marble blocks timber etc. The above list is not exhaustive and is only indicative. The Contractor has to deploy the cranes for operation, as per the requirement of NMPT.

Note: The Year of Manufacture of MHC's is 2014 and are commissioned at New Mangalore Port Trust on 05/09/2014. From 05/09/2014, the above MHC's are under Comprehensive Operation and Maintenance contract with the OEM, M/s.Italgro India Pvt. Limited. Hour Meter Reading of MHC1 and MHC2 as on May 2024 is 22041 and 22602 respectively.

3. Contractor shall deploy all workers required for the Operation and maintenance of the 2 Nos. MHC's within 10 days from the date of issue of Letter of Acceptance/Work order.
4. Contractor shall supply required spares/components, lubricants, filters, Hoses, all consumables including tyres, wire ropes, tools & tackles complete required for attending the preventive/break down maintenance etc during the contract period.
5. Contractor shall carry out all the preventive/breakdown maintenance of equipment during the contract period. The preventive maintenance of the equipments shall be carried out as per the Manufacturers Service Schedule / Maintenance Plan. The contractor shall carry out the calibration of spare parts, safety devices, protection devices, measuring instruments, gauges etc wherever required periodically to ensure accuracy, trouble shooting w.r.to the

software/calibration etc, mechanical and other fault finding, servicing of equipment, if any, etc complete. "OEM recommended major parts replacement/refurbishment and major works to be carried out per crane for the next 3 years is provided at ANNEXURE-II". Further the successful bidder has to carry out the maintenance activity as per schedule of OEM.

6. The parts which may be required for replacement during the course of contract is enclosed as Annexure II should be replaced/refurbished and maintain the crane in good working condition.
7. Since, Contract is comprehensive in nature, it is the responsibility of the contractor to supply and replace any spare parts, to ensure satisfactory operation of the crane, during the tenure of the contract and no claim will be entertained by the Port in this regard.
8. Contractor shall intimate the EIC on the maintenance activities those are being planned for the day /month. After the completion of the maintenance activities, EIC shall certify the same. A copy of the same shall be submitted along with the monthly bill.
9. Carry out touch up painting of the equipment as and when required, as instructed by the Engineer In Charge. However, each crane will be given a maximum of 10 days free period for complete painting of the entire equipment, once during the contract period. The equipment shall be cleaned, hydro-jet washed, sand blasted and painted (One primer coat, One Tie coat & one Finish coat) during this period. Necessary scaffolding shall be arranged by the contractor at his cost. However, prior permission shall be obtained in advance by the contractor to avail this free period. All the materials, tools, brushes, tackles etc for painting of the equipment shall be the responsibility of the contractor.
10. Provide round-the-clock manning for carrying out the operation and maintenance on all days including Sundays and holidays during the contract period.
11. Maintain minimum stock for critical parts/components not restricted to, tyres, filters, filter elements, filter mats, breathers, breather elements, wiper blades, break liners, Hoses, wire ropes, switch gears, seals, bearings, consumables like lubricating oils, greases, electric lamps/luminaries/chokes etc. for smooth operation & maintenance of the equipments during the contract period. The contractor shall arrange all required tools, tackles and precision instruments for carrying out the repair/maintenance work. If the contractor is unable to provide the MHC's for operation due to non availability of required spare with them, then

penalty will be imposed.

12. Carry out calibration of weight-o-meter as per the statutory requirements and submit the report/Certificate to the EIC, every six months.

13. Carry out the periodical Annual thorough Examinations and Load Testing of MHC's and its attachments as per the Statutory requirements and submit the report/Certificate to EIC.

14. Deploy Manpower as below:-

- The contractor shall deploy a minimum of one highly skilled manpower for supervision of the Cranes in each shift who shall be Diploma in Mechanical/Automobile with 3 years experience or B.E in Mechanical/Automobile with 1years experience.
- The contractor shall deploy a minimum of one skilled manpower viz. Operator for each crane for the operation of the Cranes in each shift who shall be minimum 8th pass and should Possess Driving license authorized to operate Crane or Construction equipment (CRANE or CNEQP) with minimum five(5) years experience in operating Mobile Harbour Cranes.
- The contractor shall deploy a minimum of one skilled manpower viz. Senior Maintenance staff for each crane for the maintenance of the Cranes in each shift who shall be minimum ITI certificate holder and should possess minimum five (5) years experience in maintenance of Mobile Harbour Cranes. Further, the above staff shall also Possess Driving license authorized to operate Crane or Construction equipment (CRANE or CNEQP).
- The contractor shall also deploy a minimum of one skilled electrician and one skilled Mechanic in General shift and they shall be available as and when required in case of emergencies/ breakdown irrespective of the shift and they shall possess ITI certification in respective discipline with 2 years experience.
- The contractor shall deploy a minimum of one highly skilled manpower as site in charge of the Cranes in General Shift who shall be Diploma in Mechanical/Automobile with 5 years experience or B.E in Mechanical/ Automobile with 3 years experience, to coordinate with the Mobile Crane Sub division for Comprehensive operation and maintenance of the Cranes.
- One (1) each Senior Maintenance staff, Operator and Supervisor shall be deployed as reliever.
- The shift pattern for deploying the above man power is as ShiftI: 06:00Hrs To14:00Hrs, Shift-II:14:00 Hrs To 22:00 Hrs, Shift-III:22:00 Hrs To 06:00Hrs,General Shift:08:30 Hrs To 17:30Hrs

- Minimum man power requirement is Operators – 7 Nos, Sr. Maintenance Staff – 7 Nos, Supervisore – 4 Nos, Electrician – 1 No, Mechanic – 1 No, Site in charge – 1 No.
15. The contractor's responsibility mentioned above is only indicative. However, all / any operation and maintenance activities whether preventive/breakdown, shall be the responsibility of the contractor throughout the contract period.
 16. NMPT shall supply the required fuel (Diesel) and external power supply free of cost at the wharf for the operation & maintenance of the equipment during the contract period. Insurance of the 2 Nos. MHC's and its attachments shall also be done by NMPT, at its cost.
 17. **DOWNTIME FOR PLANNED MAINTENANCE:** The Contractor shall be allowed a planned down time of one day for each completed month of service during the contract period for up keeping of each Mobile Harbor Crane.
 18. In addition to the Down time specified above, supplementary down time (Free period) as given below, shall be considered for each crane for the following major maintenance works;
 - a. Engine Reconditioning work– 6 Days (Once during the contract period)
 - b. Slew Bearing replacement work–12 Days (Once during contract period)
 - c. Boom Cylinder over hauling work–9 Days (twice in three years)
 - d. Complete Painting – 5 Days (1st year of contract)
 19. The contractor is obliged to keep the equipment in proper working condition and to be operated by skilled, licensed and trained man power, wherever required as per existing law.
 20. Non availability of mobile cranes will attract below Penalty slabs
 - Upto 2days =**25%** of hire charges per day + Nonpayment of hire charges
 - 3 to 7 days =**50%** of hire charges per day+Nonpayment of hire charges
 - 8to 15 days =**75%** of hire charges per day + Non payment of hire charges
 - 16 to till the readiness of the equipment =**100%** of hire charges per day+ Non payment of hire charges.

For non-availability for part of the day, proportionate charges will be deducted on pro-rata basis and the basis of calculation is on first slab i.e. Penalty up to 2 days. If the Mobile Harbor Crane is not available up to four (4) hours, there is no penalty. If non-availability continued beyond four (4) hours, then penalty will be imposed on pro-rata basis.

ANNEXURE - II

OEM recommended major parts for replacement/refurbishment for both the cranes if required:

1. Slew Bearing
2. Winch Gear Boxes
3. Slew Gear Boxes
4. Hydraulic Pumps and Motors
5. Hydraulic Manifold
6. Electric Motor
7. Diesel Engine
8. Electronic System

MAJOR WORKS TO BE CARRIED OUT DURING CONTRACT PERIOD	1ST YEAR	2ND YEAR	3RD YEAR	EXTENSION PERIOD (If any)
a. Major Overhauling of Engine	X			
b. Top Overhauling of Engine		X		X
c. Replacement of Transformer Container	X			
d. Repair/Replacement of HT Transformer	X			
e. Repair/Replacement of Main Electric Motor		X		
f. 100% Replacement of Hydraulic Pumps	X			
g. 100% Replacement of Hydraulic Motors	X			
h. Complete refurbishment of PLC and Control System	X			
i. Stabilization Vertical Cylinders replacement 25%	X			
j. Stabilization Vertical Cylinders repair 100%		X		X
k. Stabilization Horizontal Cylinders repair 100%	X		X	
l. Boom Cylinder Repair	X		X	
m. Slew Bearing Replacement			X	
n. Boom Pin/ Bearing Replacement	X		X	
o. Coupler Gear Box Repair	X			
p. Complete Painting	X			