

भारत सरकार
GOVERNMENT OF INDIA
पृथ्वी विज्ञान मंत्रालय
MINISTRY OF EARTH SCIENCES
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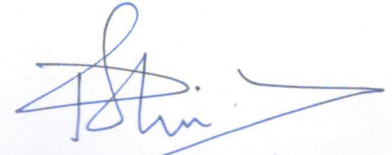
संख्या
No. MoES/Task Force-VM/05/2017-PC III

नई दिल्ली -110003
New Delhi-110003 14.09.2018

Corrigendum – I

The pre-bid conference for the EoI for “**Total Management of Vessels**” is now scheduled to be held **at 11.00 AM on 20th September 2018** at MoES Building, Prithvi Bhavan Lodhi Road, New Delhi – 110003 instead of **1500 hrs on 19th September 2018**.

It is to inform that the additional documents uploaded now regarding Two New Coastal Research Vessels (See Annexure 1 to this corrigendum) would also form part of the EoI document.


(Cdr. P.K. Srivastava)
Scientist 'F'

58	A Frame pulley (Double pulley)	
59	Otter board	
60	Sound velocity probe stand	

Ship Name: Two New Coastal Research Vessels [CRVs]

- Two New similar [identical] CRVs being built at Kolkata are likely to be delivered to NIOT by April 2019.
- These new ships are proposed to be utilized for shallow water operations [Seawater Quality Monitoring (SWQM) along Indian coast, shallow water testing of various underwater components, Drugs from sea, Bathymetry survey of EEZ, Environmental indexing of ships and coastal zones and etc.,] along entire Indian coast for the various programmes of MoES and will be a National facility for ocean research.
- One AMC technician to be deputed onboard each vessel for operation & maintenance of scientific equipments onboard.

A. General Specifications of Two New CRVs

MAIN PARTICULARS	
Length Overall (approx)	43 m
Breadth Moulded (approx)	9.6 m
Design Draft (Moulded)	2.50 m
Gross Tonnage	< 500
Accommodation	12 crew + 8 scientists
Endurance	15 days
Propulsion	575 kW x 2
Power	150 e kW x 3
Speed	12 knots

B. Scientific equipment and scientific machineries onboard Two New CRVs

Scientific handling system: 5T A-Frame, Cranes with 2T Capacity, CTD and Hydrographic winches with 1T capacity, General Purpose winch with 3T capacity, CTD Launching frames with 2T capacity.

SL NO	EQUIPMENT
01.	Multibeam Echo Sounder up to 1000m depth with sound velocity profiler

02.	CTD
03.	Bio-Chemical Oxygen Demand BOD Incubator
04.	Double beam UV Visible spectrometer
05.	Zoom Stereo Microscope
06.	Auto Salinometer
07.	Thermosalinograph
08.	Gravity corer of 3 m Length
09.	Sediment Sampler (25 kg)-1 No 15Kg-1 No
10.	Autoclave
11.	Centrifuge
12.	Ultra Short Base Line (USBL) tracking transceiver
13.	Hot Air Oven
14.	Laboratory water purification system
15.	Refrigerators-2 Nos (-15°C)
16.	Freezers-2 Nos (-80°C)
17.	Automatic Weather Station
18.	Motion Reference Unit
19.	Scientific Winches and Handling System
20.	Portable Nutrient Analyzer
21.	Underway Data Logging
22.	Single Beam Echo Sounder
23.	Niskin Water Samplers (5lt capacity) with go devil messenger-10 No
24.	Zoo Plankton net with Flow meter
25.	Dosimate-Auto Dispensing Unit
26.	Vaccum Pump with filtration Unit-2 No
27.	Bacteriological Incubator
28.	Laminar Flow
29.	UV Cabinet
30.	Fume Hood Explosion Proof
31.	Texture Analyzer
32.	Auto Analyzer
33.	Carbon Dioxide Analyser
34.	Ultrasonic Scientific Anemometer
35.	Multiple Corer
36.	Acoustic Doppler Current Profiler (ADCP)
37.	Sub Bottom Profiler

Major Machinery onboard 2 New CRVs:

Equipment Details	OEM of the equipment
Main Engine	M/s Scania , Swedan
Generators	M/s Scania , Swedan
Gear Box	M/s Twin Disc

Propeller and Stern Gear	M/s Michaigan
Thruster	M/s Thrust Master
Deck Crane	M/s Sormac
Winches and A frames	M/s Kley France
Single Beam, Multi Beam	M/s Kongesberg
USBL , MRU	M/s Ix Blue
Oily water Separator	M/s Victor Marine
STP system	M/s Evac