

**Corrigendum to the tender “Operation and Maintenance of Scientific Equipment onboard ORV Sagar Kanya” dtd 10.07.2026**  
**Tender Ref: NCPOR/VOM-12/1/2026 dtd 17.06.2026**

Sr. No.	Tender Reference	Pre-bid Queries / Suggestions by the bidders	Clarifications/Amendments
1.	Tender Document: (Page No.12 of 62) Clause No.30. Insurance:	This insurance coverage shall be applicable only for our engineers. Scientific equipment and any third-party equipment listed are to be insured by NCPOR through the vessel management contractor. Kindly confirm.	All mandatory insurance policies pertaining to the vessel shall be arranged by the Owners (NCPOR). However, for any tools, equipment, machinery or other items brought onboard by the Contractor for execution of the contract, any insurance required shall be obtained by the contractor themselves.
2.	Tender Document: (Page No.12 of 62) Clause No.31. Service contractor Insurance:	This insurance coverage shall be applicable only for our engineers. Scientific equipment and any third-party equipment listed are to be insured by NCPOR through the vessel management contractor. Kindly confirm.	
3.	Tender Document: (Page No.32 of 62) 3.Scope of Work: Clause No.q	Please clarify if the crane requirements for equipment movement during drydocking of the vessel would be borne by the vessel owner / yard under DD scope. Request if the rate contract services held by the vessel contractor may be extended to the scientific operator	The cranes of vessel, port, yard, shore can be used as available/required.
4.	Tender Document: (Page No.33 of 62) 3.Scope of Work: Clause No. X	Erection, installation, and cabling activities that require workshop support may be part of the shipyard scope; hence, the same may be borne by NCPOR through the yard. Kindly confirm.	All activities within the scope of the tender/contract for various scientific systems shall be undertaken by the Contractor. However, any external workshop support towards accessory works like panels opening/closing for cable routing, outfitting works, lab layout change etc and similar works, if required, shall be taken care by the Owner (NCPOR).
5.	Spares/Consumables (all relevant clauses)	Various queries pertaining to spares & consumables.	Any spare/consumable that costs above Rs. 50,000/- per single item will be reimbursed on actual with 10 % overhead charges on OEM invoice price. Standard tools and test equipment required for periodic maintenance shall be Contractors' responsibility. The contractor to maintain adequate spares, consumables and repair kits onboard the vessel to ensure the efficient operation of all scientific equipment. Accordingly, all tender clauses pertaining to spares, consumables, reimbursables, non-reimbursables etc are to be considered as amended.

6.	Tender Document: (Page No.34 of 62) 5. Placement of Engineers onboard: Clause No. a	Please clarify when will additional engineers be required / Number of days / Number of engineers. Kindly amplify what are all the requirement under “ <b>any other requirement</b> ” Kindly consider inclusion of an additional line item in the BoQ / Price Bid (Annexure – II) for placement charges of engineers and labourers.	As per the tender provisions, a minimum of three engineers are required to be deputed. In case the user scientists group requires deployment of additional engineers for operation and maintenance of equipment other than those specified in the list of equipment onboard Sagar Kanya, the same shall be paid for at mutually agreed rates.
7.	Tender Document: (Page No.35 & 36 of 62) 9.1. Payments towards Reimbursements: Clause No. a (OEM spares/consumables)	The custom duties and overseas freight charges are included within the 10% of overhead. The duty is calculated at 7%-25% of the spares and freight cost together, depending on the HSN code of the materials. Hence, the custom duty and freight charges may consider for reimbursement. Please clarify.	Custom Duty and overseas freight charges shall be reimbursed, subject to submission of supporting bills/invoices issued by customs and actual service provider respectively. Any customs demurrage arising due to negligence of the Contractor shall not be reimbursed by NCPOR. Overhead charges shall be payable at the rate of 10% of OEM invoice price for all other services, as per tender.
8.	Tender Document: (Page No.36 of 62) 9.1. Payments towards Reimbursements: Clause No. b (Non-OEM spares/consumables)	The custom duties and overseas freight charges are included within the 10% of overhead. The duty is calculated at 7%-25% of the spares and freight cost together, depending on the HSN code of the materials. Hence, the custom duty and freight charges may consider for reimbursement. Other spares cost reimbursement for local purchase is not specified. The minimum number of vendor quotations required for processing and whether any financial threshold or value limit is applicable for obtaining competitive quotations. Please clarify.	Custom Duty and overseas freight charges shall be reimbursed, subject to submission of supporting bills/invoices issued by customs and actual service provider respectively. Any customs demurrage arising due to negligence of the Contractor shall not be reimbursed by NCPOR. Overhead charges shall be payable at the rate of 10% of supplier invoice price for all other services, as per tender.  Minimum three vendor quotations to be obtained for items above the reimbursable limit of Rs. 50,000/-.
9.	Tender Document: (Page No.38 of 62) 10.	Please confirm whether the regular AMC charges are applicable for equipment under warranty.	As per tender terms
10.	Tender Document: (Page No.38 of 62) 11. Penalty/Liquidated Damage: Clause No. b	Since “the day rate of the engineer” is not applicable as per NIT request to consider rephrasing of clause No. b.	Annexure D - Clause 11.b is revised as follows:  <i>Non-availability of minimum engineer's onboard vessel as mentioned will attract a penalty of Rs. 10,000/- per day per head for the number of engineers unavailable and the period of unavailability.</i>

11.	Tender Document: (Page No.38 of 62) 11. Penalty/Liquidated Damage: Clause No. c	While the contractor will strictly follow all SOPs and defined procedures to ensure the safety of the equipment, they cannot be held responsible for any loss or damage caused by external factors. It is well known that equipment loss may occur due to environmental conditions and vessel-related factors during deployment. In such cases, the contractor shall not be held liable for such losses.	Tender terms prevail.  Any damage or loss of vessel/property/equipment attributable to the negligence of the contractor during execution of the contract shall be made good by the Contractor at its own cost and responsibility.
12.	Tender Document: (Page No.46 of 62) Annexure – II (Price Bid)	Please clarify the following equipment serials mentioned in Annexure-II (Price Bid Format): 21. UV Chamber – Qty mentioned as one, it is understood that a total of 3 UV Chambers fitted onboard. 37. Meterwheel Unit (For CTD) – It is understood that electronic cable payout indicator is not presently installed onboard. Plan of action for installation may be indicated towards cost planning. No equipment have been included for cutting the core liner (Core liner cutter) in the list.	Qty of UV chambers to be considered as 03 nos.  Charges for ‘core liner cutter’ to be provided in the price bid.  The updated price bid format including above 2 items is provided at Enclosure A. <b>Bidders are strictly advised to use the updated Price Bid format (Enclosure A) for submission of their quotes.</b>  The meterwheel unit (for CTD) shall be procured and fitted by owners.
13.	Tender Document: (Page No.51 of 62) Annexure – III (Model contract): 5. Taxes	We understand that all reimbursable expenses, including subscriptions, renewals, licenses, and other third-party charges, shall be reimbursed along with applicable GST. The Contractor shall submit the supporting vendor document along with contractor invoice and proof of reporting the transaction in GSTR-1 for claiming reimbursement. Kindly confirm.	As per extant govt guidelines.
14.	Tender Document: (Page No.51 of 62) Annexure – III (Model contract): 5. Taxes, Clause No. c	Kindly clarify whether customs duty paid towards OEM repairs and spares procured from abroad is eligible for reimbursement.	Refer point 7 above.
15.	Tender Document: (Page No.51 of 62) Annexure – III (Model contract): 5. Taxes, Clause No. d	As per our understanding, all purchases and third-party services required for contract execution will be procured by Varya Tech in its own name. The corresponding costs will be recovered from the Customer along with the applicable overhead/handling charges of 10%, as per the tender conditions.	GST shall be applicable only once for any purchases / third party services reimbursement. Payments shall be as per govt guidelines.

		<p>Since the invoices from vendors will be issued in the name of Varya Tech and the recovered amount will include an additional overhead charge, the transaction may not qualify as a "Pure Agent" arrangement under the GST provisions.</p> <p>Accordingly, our understanding is that GST would be applicable on the amounts invoiced by Varya Tech to the Customer, including such reimbursable costs and applicable overhead charges.</p> <p>Kindly confirm whether our understanding is correct and whether GST on such reimbursements and overhead charges shall be payable and reimbursable under the contract.</p>	
16.	Additional Queries	<p>Since the SoW of Tender necessitates sailing by Engineers 24x7, Engineers with prior experience of extensive sailing would be suitable.</p> <p>Request consider including an eligibility clause for Engineers to submit proof of prior sailings of at least 60 days continuously in last three years</p>	As per tender terms.
17.	Additional Queries	<p>For Engineers, STCW documents is a mandatory document as per NIT.</p> <p>Please confirm valid STCW is required to be submitted during bid submission.</p>	As per tender terms.
18.	Tender Document: (Page No.49 to 59 of 62) Annexure – III (Model contract):	Kindly consider incorporation of the above relevant changes in the model contract as well.	Refer tender clause 26.
19.	Equipment O&M Scope	Kindly provide the operational and health status of all scientific systems, along with installation year and estimated residual life.	Details provided at Enclosure B.
20.	Calibration Requirements	Kindly provide the latest calibration reports/certificates of all scientific systems along with validity details.	Details provided at Enclosure B.
21.	Bid Qualification	Kindly clarify whether OEM authorization letters are required at the bidding stage for major scientific equipment. If yes, please provide the list of equipment for which OEM authorization is mandatory.	OEM/OEM authorised firms to be arranged for preventive maintenance as part of work scope. Bid qualification criteria shall be as per tender clause 11.
22.	Underwater Equipment Maintenance	Kindly clarify who shall bear the cost of underwater cleaning of transducers, sonars and other underwater-mounted sensors through divers.	Underwater diving services shall be arranged by Owners through vessel manager. Any spares/parts, if required to be changed shall be as per amended spares/consumables clause.

23.	Scientific Software	Kindly provide details of scientific data acquisition and postprocessing software installed onboard, along with license/subscription validity.	Details provided at Enclosure B
24.	Experience Requirement	Kindly clarify whether experience on survey vessels, offshore vessels, naval vessels or other scientific platforms shall be considered equivalent to experience on research vessels.	Experience as per tender clause 11.a.
25.	Deep Sea Experience	Kindly clarify acceptable documentary evidence for demonstrating deep-sea operations (>2000 m water depth).	Satisfactory performance certificate from the Owners clearly stating the services provided in deep waters (>2000 mts water depth) as per tender criteria.
26.	Similar Work Experience	Kindly clarify whether experience in maintenance of hydrographic, survey, sonar and oceanographic systems shall be considered as similar experience.	Experience as per tender clause 11.a.
27.	NIT document	Bid submission and bid opening dates	<b>The revised bid submission date shall be 20.07.2026, 1300 hrs and the bid opening date shall be 20.07.2026, 1430 hrs.</b>

## ANNEXURE – II

## PRICE BID FORMAT (UPDATED)

## A. SAGAR KANYA

Sl. No.	Item Descriptions	Quantity	Unit	I year		II year		III year	
				Unit rate	Total rate	Unit rate	Total rate	Unit rate	Total rate
i	ii	iii	iii (a)	iv	v	vi	vii	viii	ix
<b>Scientific equipment operation &amp; maintenance [routine, preventive &amp; break down, data collection &amp; processing/analysis] (annual charges including requisite manpower).</b>									
1	Deep Sea Multibeam Echosounder with post-processing / plotting facilities.	1	Per year						
2	Deep Sea Echosounder (SyQwest 12 kHz / 30 kHz)	1	Per year						
3	Shallow Water Echosounder	1	Per year						
4	G-882 Cesium Magnetometer	1	Per year						
5	Sub-Bottom Profiler	1	Per year						
6	Side Scan Sonar	1	Per year						
7	Pinger	2	Per year						
8	18m Hydraulic Piston Corer	1	Per year						
9	6m Gravity Core	2	Per year						
10	Spade Corer	2	Per year						
11	Sediment Grabs (type I – 2 nos & type II – 4 nos)	6	Per year						
12	Core Sub-Sampling Stn	1	Per year						
13	Pipe Dredge	3	Per year						
14	Sieves / Sieve Shaker	1	Per year						
15	Skalar Autoanalyser.	1	Per year						
16	Hydro-Bios Automatic Multi-Plankton Net	1	Per year						
17	UV-Oxidation Unit	1	Per year						

## ENCLOSURE A

18	Titration Unit	1	Per year						
19	Water Purifying System	1	Per year						
20	Vaccum Pumps	2	Per year						
21	UV Chamber	3	Per year						
22	Rotary Shaker	1	Per year						
23	Seabird CTD with Rossette Sea-water Sampling facility.	1	Per year						
24	Idronaut CTD with Rossette Sea-water Sampling facility.	1	Per year						
25	Niskin Water Sampler 1.7 Ltrs 5 Ltrs 10 Ltrs 30 Ltrs	60 10 18 1	Per year						
26	Go Flow Water Sampler 30 Ltrs 12 Ltrs	6 1	Per year						
27	Sippican Expendable Bathy Thermograph (XBT)	1	Per year						
28	RDI 150 kHz Acoustic Doppler Current Profiler	1	Per year						
29	Bucket Thermometer	2	Per year						
30	Salinometer	1	Per year						
31	Thermosalinograph	1	Per year						
32	Barometer	1	Per year						
33	DP system	1	Per year						
34	HiPAP	1	Per year						
35	LAN	1	Per year						
36	LCD projector / screen	1	Per year						
37	Meterwheel Unit (For CTD)	2	Per year						
38	Personal Computers/servers & Peripherals	12	Per year						
39	Printers	9	Per year						
40	Autoclave	1	Per year						
41	Rock Saw	1	Per year						
42	Rock Mill	1	Per year						

**ENCLOSURE A**

43	Automated Weather station (AWS)	1	Per year						
44	CCTV System	1	Per year						
45	Dry Ovens	2	Per year						
46	Tension meter for Deep Sea winch	1	Per year						
47	Core liner cutter	2	Per year						
	<b>Total Value for Sagar Kanya</b>		Sub total						
	<b>Grand total (all 3 years)</b>								

**Lowest bidder shall be arrived at total of all 3 years**

- Rates quoted include all applicable levies, liabilities and current rate of 18% GST will be applicable. Any revision in the tax rates in future shall be applicable at the time of payments as per norms.

- Agreed to the extension for the contract on the prices quoted for the 2nd and 3rd year as per the extension clause of model contract.

-It is certified that the above bid has been submitted after understanding the total scope of the tender, after getting all necessary clarifications and visiting the Ship. Our tender is fully compliant without any exceptions or exclusions whatsoever.

**Signature of the bidder & Stamp**

## ENCLOSURE B

### LIST OF SCIENTIFIC AND SURVEY EQUIPMENT - ORV SAGAR KANYA

Sl. No.	Item Descriptions	Status	Year of purchase	Calibration details (if applicable)	Software details (if applicable) (being updated)
1	Deep Sea Multibeam Echosounder with post-processing / plotting facilities.	New equipment procured. Installation in progress	2025	SVS/SVS – As per OEM recommendation	Kongsberg Discovery – EM304 – MKII. <ul style="list-style-type: none"> <li>• Real time operation and data logging: SIS5.</li> <li>• MBES Post processing and data management software: Hypack Office &amp; HySweep Office – 03 sets.</li> </ul>
2	Deep Sea Echosounder (SyQwest 12 kHz / 30 kHz)	Operational	2013	NA	SyQwest Softecho v2.0- / bathy2010
3	Shallow Water Echosounder	Operational	2020	NA	ESN200 Skipper
4	G-882 Cesium Magnetometer	Operational	2005	NA	Maglog
5	Sub-Bottom Profiler	Operational	2000	NA	Sonarwiz-5
6	Side Scan Sonar	Operational	2003	NA	Sonarwiz-5
7	Pinger	Operational	2004	NA	NA
8	18m Hydraulic Piston Corer	Operational	Original Purchase (1983)	NA	NA
9	6m Gravity Core	Operational	2008	NA	NA
10	Spade Corer	Operational	2008	NA	NA
11	Sediment Grabs (type I – 2 nos & type II – 4 nos)	Operational	1998	NA	NA
12	Core Sub-Sampling Stn	Operational	Original Purchase (1983)	NA	NA
13	Pipe Dredge	Operational	Original Purchase (1983)	NA	NA
14	Sieves / Sieve Shaker	Operational	2000	NA	NA
15	Skalar Autoanalyser.	Operational	2016	NA	Skalar FlowAccess software
16	Hydro-Bios Automatic Multi-Plankton Net	Operational	2004	NA	Hydro-Bios OceanLab-4
17	UV-Oxidation Unit	Operational	Original Purchase (1983)	NA	NA

18	Titration Unit	Operational	2011	NA	NA
19	Water Purifying System	Operational	2018	NA	NA
20	Vaccum Pumps	Operational	Original Purchase (1983)	NA	NA
21	UV Chamber	Operational	Original Purchase (1983)	NA	NA
22	Rotary Shaker	Operational	2001	NA	NA
23	Seabird CTD with Rossette Sea-water Sampling facility.	Operational	2008	Sent for calibration	SeaBird Electronics supplied software.  <ul style="list-style-type: none"> <li>Seasave: Acquire, convert, and visualize live or archived raw data from CTD / TSG instruments and auxiliary sensors.</li> </ul> Seasoft V2: SBE data processing and plotting software.
24	Idronaut CTD with Rossette Sea-water Sampling facility.	Operational	2008	Sent for calibration	REDAS5
25	Niskin Water Sampler 1.7 Ltrs 5 Ltrs 10 Ltrs 30 Ltrs	Operational	2007	NA	NA
26	Go Flow Water Sampler 30 Ltrs 12 Ltrs	Operational	2003	NA	NA
27	Sippican Expendable Bathy Thermograph (XBT)	Operational	2008	NA	WinMK21
28	RDI 150 kHz Acoustic Doppler Current Profiler	Operational	2017	NA	VM-DAS: Data acquisition software. WINADCP: Post processing software.
29	Bucket Thermometer	Operational	Original Purchase (1983)	NA	NA
30	Salinometer	Operational	2014	NA	NA
31	Thermosalinograph	Operational	2009	Sent for calibration	SeaBird Electronics supplied software.  <ul style="list-style-type: none"> <li>Seasave: Acquire, convert, and visualize live or archived raw data from CTD / TSG instruments and auxiliary sensors.</li> </ul> Seasoft V2: SBE data processing and plotting software.
32	Barometer	Operational	Original Purchase (1983)	Due for calibration. Shall be undertaken	NA

				prior to commencement of scientific cruises	
33	DP system	Operational	2005	NA	KM supplied software
34	HiPAP	Operational	2005	NA	A-Pos DP
35	LAN	Operational	2011	NA	Microsoft Windows
36	LCD projector / screen	Operational	2011	NA	NA
37	Meterwheel Unit (For CTD)	Non-Operational. Will be replaced in ongoing DD.	2026	NA	NA
38	Personal Computers/servers & Peripherals	Operational	2007/2011/2026	NA	Microsoft Windows
39	Printers	Operational	2007/2011	NA	NA
40	Autoclave	Operational	2000	NA	NA
41	Rock Saw	Operational	Original Purchase (1983)	NA	NA
42	Rock Mill	Operational	Original Purchase (1983)	NA	NA
43	Automated Weather station (AWS)	Operational	2010	NA	NA
44	CCTV System	New system procured. Will be installed in ongoing DD.	2026	NA	Hikvision
45	Dry Ovens	Operational	Original Purchase (1983)	NA	NA
46	Tension meter for Deep Sea winch	Operational	1995	NA	NA
47	Core liner cutter	Operational	2008	NA	NA