

**Corrigendum to Global Tender no. NCPOR/DSEM/HSS/22; Dated: 24th Mar 2022,
for “Conducting near-bottom Autonomous Underwater Vehicles (AUV) and
Remotely Operated Vehicle (ROV) surveys and exploratory works to delineate
locations of seafloor massive sulphide deposits”**

Dated: 29 Apr 2022

A. TERMS AND CONDITIONS:

(NOTE: Please refer PDF version of the tender document for reference to page numbers)

SI.	ORIGINAL TERMS	MAY BE READ AS				
1.	<p>Milestone-5 25% of the total contract value payment shall be payable on disembarkation and on submission of processed datasets, Interpretation reports and Final report/maps etc. and acceptance of NCPOR, within 15 days on submission of invoice. (Ref. page 39)</p>	<table border="1"> <tr> <td data-bbox="791 678 943 1032">Milestone-5A</td> <td data-bbox="943 678 1436 1032">10% of the total contract value payment shall be payable after disembarkation and on submission of raw, processed datasets, preliminary interpretation reports and maps etc. (excluding integration of Chemical / mineralogical data) and acceptance of NCPOR, within 15 days on submission of invoice.</td> </tr> <tr> <td data-bbox="791 1032 943 1352">Milestone-5B</td> <td data-bbox="943 1032 1436 1352">15% of the total contract value payment shall be payable on submission of final Interpretation reports /maps etc. (after integrating Chemical / mineralogical data provided by NCPOR) and acceptance of NCPOR, within 15 days on submission of invoice.</td> </tr> </table>	Milestone-5A	10% of the total contract value payment shall be payable after disembarkation and on submission of raw, processed datasets, preliminary interpretation reports and maps etc. (excluding integration of Chemical / mineralogical data) and acceptance of NCPOR, within 15 days on submission of invoice.	Milestone-5B	15% of the total contract value payment shall be payable on submission of final Interpretation reports /maps etc. (after integrating Chemical / mineralogical data provided by NCPOR) and acceptance of NCPOR, within 15 days on submission of invoice.
Milestone-5A	10% of the total contract value payment shall be payable after disembarkation and on submission of raw, processed datasets, preliminary interpretation reports and maps etc. (excluding integration of Chemical / mineralogical data) and acceptance of NCPOR, within 15 days on submission of invoice.					
Milestone-5B	15% of the total contract value payment shall be payable on submission of final Interpretation reports /maps etc. (after integrating Chemical / mineralogical data provided by NCPOR) and acceptance of NCPOR, within 15 days on submission of invoice.					
2.	<p>To recover all sums already paid by the NCPOR, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing <u>Prime Lending Rate</u> of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the NCPOR in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest. (Ref. # iv, page 64)</p>	<p>To recover all sums already paid by the NCPOR to the BIDDER with interest thereon at 2% higher than the prevailing <i>MCLR i.e. Marginal Cost of Funds based Lending Rate (or the rate that replaces it)</i> of State Bank of India. If any outstanding payment is due to the BIDDER from the NCPOR in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.</p>				

B. PRE-BID QUERIES:

NOTE: Please refer PDF version of the tender document for reference to page numbers in the Replies.					
Sl.	Page	Reference	Subject	Comment	REPLY
1	4	ref 9	Bid Bond	Confirm Bid Bond / EMD is US\$490,000 (not \$4,90,000)	United States Dollars - Four Lakhs Ninety Thousand (Four Hundred and Ninety Thousand)
2	4	ref 9	Bid Bond	"Bid Bond/EMD from Scheduled Bank in India or Foreign Bank having branch in India". As not all foreign banks having branches in India does BG from reputed foreign bank is acceptable?	No. Foreign Bank having branch in India only acceptable, as per tender terms.
3	4	ref 12	Bank Guarantee	"Delivery cum Performance Bank Guarantee (PBG) by the successful bidder only from Scheduled Bank in India or Foreign Bank having branch in India". As not all foreign banks having branches in India does BG from reputed foreign bank is acceptable?	No. Foreign Bank having branch in India only acceptable, as per tender terms.
4	9	Sec A - ref 1.4	Onshore reporting	"NCPOR representatives shall also be part of the onshore-based data processing at the CONTRACTOR's facility." Is this facility required to be in India? Or can it be at Contractors office in UK?	NCPOR representatives shall be part of the onshore based data processing at the Contractors facility whether in Indian or foreign location, subject to the Confidentiality clause (pg. 28-29), as per tender terms.
5	11	Clause 3.9	Endurance	Will crew changes every 42 days be acceptable?	Yes, can be flexible.
6	13	Clause 3.17	cold room	please confirm size of Cold Room facility	Approx. 15000 litres volume or more with shelves/storage racks.
7	13	Clause 3.17	samples	please confirm number and type of samples to calculate storage requirement	Type- Fluid, sediment, seabed rocks, sulphides and biological samples.

					Number of samples depends on the nature of seabed.
8	14	Clause 4.2	pricing	please confirm number and type of samples to calculate consumable requirement	Type- Fluid, sediment, seabed rocks, sulphides and biological samples. Number of samples depends on the nature of seabed.
9	15	Sec B, Clause 1	duration	Confirm if acceptable if contractor completes survey of 17 sites in less than 100 +/- 15 days	Acceptable, maximum survey days to be 115 days.
10	15	Sec B, Clause 1	scope of work	Please confirm "targets and commitments" of NCPOR	Ref. Section-A, page 8.
11	15	Sec B, Clause 2.1 I	SAS	MBES may need to be run separately from SAS due to frequency clash	Acceptable.
12	15	Sec B, Clause 2.1 I	SAS	Near seabed optical images will require low altitude we require available bathymetry data to plan missions safely	Ref. # 3.2, page-16; Acceptable.
13	16	Sec B, Clause 3.2	existing data	Is it possible to review existing ship borne multibeam data for AUV and ROV mission planning before bid?	Ref. # 3.2, page-16; As per tender terms. While the bathymetry data will not be shared, however bidders will be allowed to depute their representative (Maximum Two persons) with a prior appointment for review of bathymetry data available with NCPOR. An undertaking for the confidentiality of the data/ information to be submitted by bidder with the appointment request.
14	16	Sec B, Clause 3.4	non fixed scope of work	Shall contractor offer day rate to cover scope of work variations? It is difficult to offer an economical fix price for undefined and changing work scope due to the exploratory nature of the	No, as per tender terms.

				works.	
15	21	No. 6	laser	will image scaling be acceptable (no laser required)	Laser scaling required.
16	21	No. 15 / 17	push core / multicore	please confirm core sizes and number of samples	Push core- Approx. volume 2.5L. Multicore - 40 cm or more. Number of samples depends on the nature of seabed.
17	24	Clause 6.5 viii	lab results	Will NCPOR take care of costs for samples from demob port? Integrating lab analysis data 60 days after demob will delay payment as defined in Milestone 5	NCPOR shall transport samples from demob port to India, as per tender terms.
18	25	Clause 6.6	SfM	Structure from Motion photogrammetry may not be possible (typically used for wrecks) given water depth and positioning challenges.	May try, acceptable if does not work.
19	25	Clause 6.6	bathymetry raw	Please define "manageable file sizes"	Indicates that individual file size shall not affect the corresponding processing system (hardware/software) adversely.
20	26	Clause 6.6	charting	Please define chart scale and number for each location	Typically 1:10000 for each location. One chart for each data type and one chart for each ROV dive at scale of 1:5000 depending on area covered. These scales are indicative, appropriate scales to be adopted with mutual consent.
21	26	Clause 6.6	side-scan	Is "Processed SSA maps" a typo?	Yes, may be read as 'Processed maps for each location'.

22	26	Clause 6.6	samples	Please clarify number of samples	Type- Fluid, sediment, seabed rocks, sulphides and biological samples. Number of samples depends on the nature of seabed.
23	32	Sec C, Clause 2.8	signed pages	Request exception to signed each original page for hard copy submission. The courier of full document set to India will reduce time to prepare.	Signed hard copies from the Indian Representative are Acceptable, with Authority letter from the lead bidder.
24	34	Sec C, Clause 2.16	bid bond return	Please define when tender to be "finalized"	Means 'Award of contract' stage. Within the Bid validity period (120 days) as at #10, page 4.
25	36	Sec C, Clause 3.5.5	completion schedule	Please provide "project completion schedule"	Ref. # 1, Section-B; Survey of approx. 100 ±15 days and deliverables within 90 days of completion of survey (as at # 1.8, page-9)
26	38	Sec D, Clause 2	payment milestone	Milestone 1, should NCPOR equipment or personnel delay the mobilization how does contractor get compensated?	No.
27	38	Sec D, Clause 2	payment milestone	Milestone 5, with NCPOR lab results 60 days after demob, and integration of results into final report, this 25% retention (excluding BG) milestone is not acceptable.	Revised terms for Milestone-5 payment as at point no. 2 on page-1 of this document.
28	39	Sec D, Clause 5	work standards	please provide "work standards of the enquiry specifications"	Ref. Section-B, page-15 to 29.
29	39	Sec D - Clause 6	tax	The applicable Tax Deductible at Source (TDS) as per Indian Income Tax Act, 1961 amended from time to time shall be deducted from the gross payment to the CONTRACTOR. The bidder should provide Permanent Account Number (PAN) for Indian bidders and Tax	Not applicable for Foreign bidders.

				Identification Number for foreign bidders as per Indian Income Tax Act, 1961, or as applicable from time to time". As the services being performed predominantly outside and does TDS applies in that case as well and if so, please advise on percentage of TDS will be applicable?	
30	39	Sec D - Clause 8	GSTN	Please define GSTN	Goods and Service Tax Network (GSTN) in India. Applicable for Indian bidders.
31	41	Annex II, No. 3	Mob Date	Will NCPOR consider December 2022 mob date?	As per tender terms.
32	43	Annex III	Technical Eval	Not clear what the "Availability" column is for, is this equipment availability?	Indicate availability as either YES or NO, as applicable.
33	52	Annex VII (a), e	Tax	Bidder does not have PAN and does not anticipate any tax liability as work is performed outside India and in international waters.	Not applicable in case of Foreign bidders.
34	55	Annex VII table	pricing	Shall contractor include standby day rate to cover scope of work variations or delays caused by NCPOR equipment or personnel?	No.
35	67	Annex X	Model Agreement	"Contractor to provide a draft work agreement", does this mean contractors' bid shall include additional terms and conditions?	Any terms and conditions drafted in the work agreement shall be within the scope of the tender document.
36	67	Annex X, Clause 1	Period	We are confused why the times are referenced here?	To indicate the survey period.
37	67	Annex X, Clause 3	Trials	Please confirm which systems shall be sea trialed, for how long and to what measure to determine the Acceptance Date.	Ref. # 3, page 68.
38	68	Annex X, Clause 5	NCPOR equipment	Please provide description of all NCPOR equipment	Attached as Annex.-01 on page-17 of this document.
39	73	Annex, Clause 19	Cancellation	Please clarify meaning of "or 30 days of Confirmation"	One month notice for embarkation onboard

					for NCPOR personnel.
40	73	Annex, Clause 21	Loss / Damage	Please provide list of NCPOR supplied equipment including description and value	Attached as Annex.-01 on page-17 of this document.
41	78	Annex, Clause 23 (x)	equipment	Please provide list and detail of NCPOR provided equipment to estimate mob / demob costs.	Attached as Annex.-01 on page-17 of this document.
42	80	Annex, Clause 28 (F)	completion schedule	please confirm completion schedule	Ref. # 1,Section-B; Survey of approx. 100 ±15 days and deliverables within 90 days of completion of survey (as at # 1.8, page-9)
43	80	Annex, Clause 31	communication charges	"without any costs to the NCPOR or to NCPOR personnel" conflicts with rate schedule on Annex VII table page 55	Ref. # 3, page 40, as per tender terms.
44	88	Clause 16	NCPOR equipment	Please provide description of all NCPOR equipment	Attached as Annex.-01 on page-17 of this document.

SECTION	page	PART	REFERENCES	QUESTION	REPLY
Section A		Introduction & Scope of Work	3.14. NCPOR shall have the liberty of installing their communications/data transmitting systems or any other equipment/s, if need be, onboard the vessel. The equipment/s will remain the property of NCPOR and NCPOR will be entitled to remove the same on completion of the proposed work.	Is it NCPOR intention to connect this communication device(s) to vessel network or will it be stand alone ?	Mostly standalone, power supply required.
Section A		Introduction & Scope of Work	3.16.2. The vessel should have a proper kitchen to cater to the requirements of the NCPOR scientific crew apart from the vessel crew, with adequate equipment and crockery. Dining hall to accommodate about 15 persons at a time. An Indian cook is to be provided to prepare and serve Indian-style food. Stewards (Two) to be provided for cleaning cabins allocated for NCPOR use, change linen/bedding, personal laundry, laboratory/work area etc. Sufficient number of washing machines must be provided for NCPOR personnel use	Will NCPOR provide the Indian cook and the Stewards (Two) or is it the Contractors responsibility ?	Contractor's responsibility to provide Indian cook and stewards.

Section A		Introduction & Scope of Work	3.18. Bidders to submit information (2) 2. Personnel details including bio-data of key personnel.	What type of bio data of the personnel is requested ?	Technical expertise and work experience etc.
Section B		Specifications of Survey and Services	3. SURVEY AREA AND SPECIFICATIONS - 3.4 (3.4.1 to 3.4.4) Based on the analysis of this existing and available data at NCPOR, a detailed survey plan for all proposed blocks is to be prepared by the Contractor and submitted to NCPOR, the plan shall be discussed mutually between NCPOR and Contractor for optimization, fine-tuning and meeting the desired objectives of the survey.	When the detailed workplan have been agreed is possible to change the price? Reduce or increase pricing if the new detailed estimate differs? or shall Contractor assume and accommodate large changes within the Lump Sum price?	Lump Sum price, as per tender terms.
Section B		Specifications of Survey and Services	7.3. The successful bidder shall undertake to provide (including but not limited to) all materials, labour, expenses, consumables, fuel, lubricants, and data media, such as paper, CDs, DVDs, external hard disks, as may be required for the performance of the services.	The amount of fuel consumption is highly dependent on weather and in addition there have been significant fluctuation around the price. Would NCPOR consider to pay fuel at net cost instead of having it included in the Lump Sum? This to avoid Contractor to calculate with a worst-case scenario in terms of fuel consumption and	As per tender terms.

				fuel price estimate for the period and area.	
Section B		Specifications of Survey and Services	7.7. The bidder is fully liable for payment of Customs duty and other charges and for arranging clearance from the Customs and Port Authorities, all equipment, instruments, other items Scientists/ technical personnel participating in the vessel/expedition as may be required for providing the Services, whenever such clearances are necessary.	Assumed not for any of the Clients' Scientists/technical personnel participating in the vessel?	Only for Contractors' personnel.
Section B		Specifications of Survey and Services	CONFIDENTIALITY 1. The Contractor undertakes and acknowledges:	Can the Confidentially section be mutual? Contractor would have business sensitive material that needs to be protected.	No.
Section C		Terms and conditions of the tender and instructions for bid submission	The LD charges shall be levied as a sum equivalent to 2% (Two percent)	Can 1% per week, and LD's shall not apply until 10 days after the specified date, and the Contractor has not within the said 10 days rectified the delay, be accepted?	As per tender terms.
Section C		Terms and conditions of the tender and	3.6. Force Majeure: "Force Majeure"	Can NCPOR consider to include COVID and pandemics to be included as a	COVID and pandemics included in Force Majeure, as per

		instructions for bid submission		Force Majeure Contractor to be paid a stand-by rate during the first 10 days of any Force Majeure Event	Government of India guidelines. As per tender terms.
Section D		Payment terms and conditions	Milestones	Would NCPOR consider increase payment on Milestone 1 to 25% and reduce Payment on the Milestone 5 to 10% to be more in line wharer the Contractors expenditure are?	As per tender terms. Revised terms for Milestone-5 payment as at point no. 2 on page-1 of this document.
Annexure VII		Price Bid Format (a & b)	Bid Bond	Regarding the Terms and Conditions around the Bid bond including the high risk related to this could NCPOR consider to reduce the bid bond to 47000\$?	As per tender terms.
Annexure VIII		Proforma for Bank Guarantee for Delivery of Services cum Performance Bond	Delivery cum Performance Bank Guarantee (PBG) by the successful bidder only from Scheduled Bank in India or Foreign Bank having branch in India a. Amount- 10% of contract value. The contract value to be taken as charges towards the scope of work including the vessel/facilities and all related costs. b. PBG Validity – 160 (100+15+45) days from date of acceptance of	Can the NCPOR consider a Parent Company Guarantee could be provided in lieu of a PBG.	No.

			the vessel with requisite facilities, as per tender terms.		
Section B 4.2		Specifications of Survey and Services	Autonomous Underwater Vehicle (AUV) based instruments and sensors	Regarding the AUV sensors; Redox (ORP), Methane, PH, Dissolved Oxygen (DO) and iSP/SP. Will three (3) or more of those sensors required to run at the same time? If this is the case, survey timings will increase due to areas needing multiple runs. Please clarify.	Ref. # 1, Section-B; Survey of approx. 100 ± 15 days.
Section B 4.2.13		Specifications of Survey and Services	Autonomous Underwater Vehicle (AUV) based instruments and sensors; Navigational Systems. Spatial positional accuracy to be 4 to 6 m or better.	We can only achieve this requirement if we deploy an UTP Transponder. Would that be acceptable by the CLIENT? With USBL the best achievable accuracy is 0.7% related to water depth.	Positioning systems having accuracy as mentioned in the tender are acceptable.
Sl.	Page	Reference in tender Document		Clarification	REPLY
1	4	Performance Bank Guarantee (PBG)- Page-4. 1. Delivery cum Performance Bank Guarantee (PBG) by the successful bidder only from Scheduled Bank in India or Foreign Bank having branch in India a. Amount- 10% of contract value. The contract value to be taken as charges towards the scope of work including the vessel/facilities and all related costs.		All the government departments are asking for 3% of annual contract value as PBG. Hence, it is requested to make it 3%.	As per tender terms.

		b. PBG Validity – 160 (100+15+45) days from date of acceptance of the vessel with requisite facilities, as per tender terms.		
2	9	1. SCOPE OF WORK / SERVICES Page-9 1.1. While the proposed system is to deploy AUV-ROV combinations, an alternate mapping and sampling system having similar capabilities including maintaining time schedules as AUV- ROV combination may also be accepted.	We request you to kindly elaborate on acceptance of alternate mapping and sampling system	Any alternate systems which will meet the accuracy, resolution and timeline criteria can be considered.
3	-	PRICE BID FORMAT (UNPRICED) (a) Quoted price should be inclusive of all applicable taxes (Indian taxes including GST etc. as on closing date of tender).	Kindly advise , in case of foreign bidder , whether GST is to be quoted in prices or not. Also, Kindly advise if GST is applicable in this project as place of service is outside the EEZ of India.	Not applicable for Foreign bidders.
4	35	1.1. Delay in mobilization and Liquidated Damages (LD): Page-35	Mobilization period is not defined in the tender. It is mentioned that mobilization of vessel required in Oct/Nov-22. We request you to kindly give 90 days for mobilization vessel from firm order./ signing of contract. Accordingly, it is requested to define the mobilization period in the tender document.	As per tender terms.
5	15	The survey must be completed in a duration of approx. 100 ± 15 days at maximum,-- Page 15	It is requested to kindly define the total survey duration and the contract period.	As per tender terms.

Sl.	Page	Reference		Query	REPLY
1	19	Section-B clause 4	please confirm whether the following instruments/sensors /sub-systems will be suitable to satisfy the tender requirements	SAS frequency range tender requirement : 50-400 kHz Please confirm if this sensor will be acceptable: SAS frequency range – 200-400 kHz (central frequency – 337 kHz). Also, another available SAS system will provide frequency range of 60-120 kHz. Please confirm if this will be preferred. Note: Other required parameters for this sensor in question are satisfied	Any system meeting accuracy requirement is acceptable.
	19			Chirp Sub-Bottom profiler frequency range tender requirement: 2-16 kHz Please confirm if this sensor will be acceptable: Chirp Sub-Bottom profiler frequency range - 1.5 - 8 kHz In volcanic regions and complex geologic environments, low frequencies are preferable to ensure signal penetration, hence our choice of SBP. Note: Other required parameters for this sensor in question are satisfied	Any system meeting accuracy requirement is acceptable.
	19			CTD temperature range tender requirement – -5 to +45C. Conductivity range tender requirement – 0 to 9 S/m. Please confirm if this slight deviation in CTD with Aux. Sensor specifications will be acceptable: Temperature – -5 to +35C. Conductivity – 0 to 8.5 S/m. Note: Other required parameters for the sensor are satisfied	As per tender terms.
	19			Dissolved Oxygen requirements – Accuracy: < 5 µM or ± 2%; Resolution: <1 µM. Please confirm if this slight deviation in Dissolved Oxygen sensor specifications will be acceptable: Accuracy: ±8µM or	As per tender terms.

				±5% Resolution: <1µM. Note: Other required parameters for the sensor are satisfied	
2	15	***	***	Please confirm whether scope of the Survey Work & Services as defined in Section B can be split between the AUV and ROV works given the maintained time schedule given in the tender, e.g.: a. first leg of survey to fulfill AUV surveying tasks at the chosen 17 locations; b. the second leg of survey to fulfill ROV and sampling tasks at the locations identified based on AUV data.	Acceptable. However, payment terms as per tender document.
3	10	Ref Section-A clause 3.2	***	Ref Section-A clause 3.2 of the tender document, would you consider accepting a solvency certificate from the Bank in place of last 3 years audited financial reports especially in light of the last two years on-pandemic which has affected the business scenario across the globe.	No.
4	10	Ref Section-A clause 3.3.1	***	Ref Section-A clause 3.3.1 of the eligibility criteria, please consider the survey experience of the bidder's personnel and crew members using AUV & ROV for deep-sea exploration and/or exploration of deep-sea mineral resources as the survey and its mission objectives will be executed by the assigned crew members of the expedition. Therefore, the survey experience of the bidder's personnel and crew members proposed for NCPOR's scientific expedition will be of significant importance during the Survey.	No. Experience of individual experts is not considered as substitute for the experience of the company.

5	***	***	***	In case of a Consortium or JV, please confirm that the eligibility criteria and financial requirements can be fulfilled by combining the individual capabilities and qualifications of the individual JV partners/Consortium members. Similarly, please confirm if the combined turnover for the individual Consortium members/JV partners will be acceptable for the tender's financial turnover requirement.	Turnover for the lead partner shall be taken for consortium at 50%.
6	27	***	***	Please clarify if a comprehensive report with recommendations for future evaluation of the identified potential sites is the final report to be submitted within 90 days of completion of the project.	Ref.# 7.2, page 27- Yes, as per tender terms.
7	24	***	***	Please confirm that rock chemistry/mineralogical data is to be performed by NCPOR scientists.	Ref. # viii, page 24; Yes, confirmed.
8		***	***	Please confirm that LBL solutions are acceptable for underwater positioning for the survey.	Acceptable if positional accuracy requirements are met.
9	22	Ref Section-B clause 5	***	Ref Section-B clause 5 - Navigation and Positioning, given the large water depth and high latitude of the survey, best top-side USBL units cannot practically provide positional accuracy of 5m or better. We anticipate that the best accuracy that can be achieved at the identified water depth in calm weather is 8m at one sigma level. Please confirm if acceptable.	Positioning systems having accuracy as mentioned in the tender are acceptable.

Annexure-01

List of equipment and consumables (Lab/plastic/glassware)

Sr. no.	Item description	Quantity	Approx. price (INR)
1.	Vacuum Pump	5	300000
2.	Diaphragm Pump	6	200000
3.	pH-meter	1	150000
4.	Auto titrator	2	500000
5.	UV-VIS Spectrophotometer	1	300000
6.	Hot Plate	1	50000
7.	Portable DNA sequence with extraction kit	1	500000
8.	Stereo Microscope	1	1000000
9.	Portable PCR	1	500000
10.	Vacuum impregnation unit with accessories	1	500000
11.	Hand held drilling machine & cutter	1	50000
12.	Laboratory Consumables Glassware, Plasticware, Chemicals with crates		100000 400000 700000
		Total	5250000
Note: <ol style="list-style-type: none">1. Few more items/consumables etc. may be added to the list in due course. The final list shall be provided to the successful bidder.2. Place to keep securely and operate one standard 20-feet Refer container onboard, as per tender terms.			