

PRE-BID CLARIFICATION FOR SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF CONTAINERISED TV-GUIDED GRAB (TVG) & SEAFLOOR OBSERVATION SYSTEM (SFOS)

Ref: Global Tender No.: NCPOR/PS/DOM-12/GT-04

S. No.	Pre-Bid Query	Reply/Clarifications
1	<p>On Tender page number 76 clause IV TRACTION-WINCH</p> <p>TRACTION-WINCH following information is Not specified, please clarify.</p> <p>1. TRACTION-WINCH Cable Length ?</p> <p>2. TRACTION-WINCH Cable OD ?</p> <p>3. TRACTION-WINCH Cable capacity?</p>	<p>Cable length and cable diameter are provided in pages 75-76 of the tender</p>
2	<p>IV. Traction Winch- Point m</p> <p>Point m: wireless remote-control joystick should not be mandatory as, deploy & recover from sea bead of TVguided grab (TVG) & seafloor observation system (SFOS) should be closely monitor by Supervisor. So physical presence add more safety of equipments handling. Please clarify.</p>	<p>Wireless remote-control joystick is mandatory.</p>
3	<p>Tender page number 75 , Clause iv</p> <p>Hydrophone with recording facility, details are Not specified, please clarify.</p> <p>Please provide the more technical details of recoding Hydrophone</p>	<p>Approx. frequency range is 10Hz-200 kHz, digital hydrophone with own recording facility. See examples here: https://www.subsea2020.com/ocean-sonics-hydrophones#:~:text=icListen%20SC60%20%2D%206000m%20Depth%20Rating,3500m%20and%206000M%20depth%20rated</p>
4	<p>SEAFLOOR OBSERVATION SYSTEM (SFOS) will be used as a Tow Camera System? Or fix position observation system ?</p>	<p>The SFOS is intended as a towed camera system</p>
5	<p>Page number 72, Payments bank guarantee</p> <p>Along with bank guarantee Fixed deposit certificate in the name of “Director, National Centre For Polar & Ocean Research ,Goa and Supplier” should also accepted.</p>	<p>Fixed Deposit certificate is not acceptable.</p>
6	<p>Page number 75 Under clause ii ,c SFOS: Should be modular and configurable, with facility to integrate up to 5 additional sensors of opportunity (Environmental sensors (turbidity, methane etc.), magnetometer etc.).</p> <p>These sensor are not of supply? only provision is required so additional sensor can be connected in future by purchaser, if required. Please clarify.</p>	<p>The sensors are not to be supplied. There should be provision for additional sensors, if required in the future.</p>

7	<p>Page number 75 Under clause ii, k USBL transponder should be integrated</p> <p>Please provide the more technical details of required USBL.</p> <p>The page no 76 mentioned details of Under clause IV USBL POSITIONING SYSTEM This is same requirement as Page number 75 Under clause ii, k USBL transponder should be integrated Both are different? i.e. two USBL are require ? Please clarify.</p>	<p>Technical details of USBL positioning system are provided in page 76 VI, of the tender. USBL transponders are small equipment which should be attached to TVG and SFOS and communicates with the onboard USBL positioning system.</p>
8	<p>Page number 75 Under clause v , water sampler</p> <p>Horizontal or vertical bottle require/ Niskin bottle require or normal bottles for point number v.Water Sampler. Please clarify.</p>	<p>Vertical bottles are required for sampling seawater</p>
9	<p>Page number 74 COMPONENT-WISE SPECIFICATIONS</p> <p>Under clause I, TV-GUIDED GRAB (TVG) size required height, length & width is not specified Please clarify</p>	<p>The TVG should be suitable for the sampling volume and area as specified in I.TVG. a, b (page 74) of the tender. Appropriate dimensions may be designed by the supplier.</p>
10	<p>Page number 76 under clause TRACTION-WINCH</p> <p>The required steel cable length & size is not mentioned Please clarify.</p>	<p>Steel cable length and diameter are specified in pages 75-76, III. HYBRID FIBRE-OPTIC CABLE, a-d</p>
11	<p>Bid Security/ Earnest Money Deposit (EMD).</p>	<p>For Indian bidders, exemption can be allowed on submission of valid MSME certificate.</p>
12	<p>TVGuided Grab (TVG) (quantity 1 set) & Seafloor Observation System (SFOS)(quantity 1 set) are two different equipment to be supply ? i.e. both are not interlink ? Estimated dimensions: length, width and height of TVGuided Grab (TVG) is not found in tender documents , please clarify.</p>	<p>TVG and SFOS are two independent equipment to be supplied, which will be operated one at a time. See GENERAL SPECIFICATIONS-1 on page 74 of the tender</p>
13	<p>Custom Duty</p> <p>Is the local company eligible to avail the customs duty benefits under Notification 51 of 96 as a local company, specifically for the purpose of clearing the import requirements related to this project</p>	<p>Custom duty exemption clause is applicable for the import consignments as per the extent rule of Government of India under notification 51/96.</p>
14	<p>Section III: Special Conditions of Contract (SCC): Clause No.10. Payment (Page No. 72 of 130)</p> <p>Due to the significant value of the cargo involved, we kindly request that payment be made via a Letter of Credit (LC) covering 100% of the contract value.</p> <p>Considering that the exchange of goods has already taken place during Milestone 2, a bank guarantee might not be sought as possession of goods have already been exchanged.</p>	<p>Revised Payment</p> <p>Milestone 1: Payment of 10 % of contract value will be paid against submission of 110% bank guarantee of the amount paid, after submission of detailed drawings of all the components, verification and acceptance by NCPOR. Bank guarantee should be valid till the successful completion of SAT and handing over of the system to NCPOR.</p> <p>Milestone 2: Payment of 30 % of contract value will be paid against submission of 110% bank guarantee of the amount paid, towards the submission of valid invoices of purchase of</p>

		<p>major components and subsystems. Documents verifying the purchase of equipment should be submitted. Bank guarantee should be valid till the successful completion of SAT and handing over of the system to NCPOR.</p> <p>Milestone 3: Payment of 30 % of contract value will be paid, after delivery and acceptance of the whole system.</p> <p>Milestone 4: Payment of 30 % of the contract value shall be paid after the successful completion of the SAT. NCPOR will arrange a suitable vessel for SAT within 90 days after the delivery of the whole system. If NCPOR is unable to provide a suitable vessel for SAT within 90 days after the delivery of the whole system, Milestone 4 payment will be released.</p> <p>The bank guarantees collected during Milestone 1 & 2 shall be returned only after successful and satisfactory completion of SAT.</p> <p>Any delay in successful completion of SAT due to issues attributable to supplier's side, the NCPOR reserves the right to hold the Milestone 4 payment which may be released post successful completion of SAT.</p>
15	Performance Bond/Security	The Performance Bank Guarantee (PBG) is revised to 5% of the Purchase order/contract value.
16	<p>Delivery</p> <p>We request for 18 months delivery period considering the project involves the new design of the containerized winch system and other components.</p>	Delivery period extended to 15 months.
17	<p>Section IV: Technical Specifications: (Page No. 74 & 75 of 130)</p> <p>Item I: TV-GUIDED GRAB (TVG)</p> <p>Item II: SEAFLOOR OBSERVATION SYSTEM (SFOS)</p> <p>High-Intensity LED lights for illuminating the seabed to facilitate high-resolution still/video imagery.</p> <p>Please specify the wattage / luminescence of the LED light. Also, the quantity you are looking for.</p>	We are looking for a total luminescence of ~6000-10000 lumens. Number lights should be decided by the supplier so that the area of focus of the camera is well-lit to facilitate high-resolution imagery.
18	<p>Section IV: Technical Specifications: (Page No. 74 & 75 of 130)</p> <p>Item I: TV-GUIDED GRAB (TVG)</p> <p>Item II: SEAFLOOR OBSERVATION SYSTEM (SFOS)</p> <p>➤ Laser scaling (2 nos. each) for all 3 cameras (Dot / Spot / line / cross-hair projection).</p> <p>Laser beam power rating not specified. Please specify the</p>	Laser beam power can be between 1mW-100mW, adjustable distances, preferably 1m or 2 m

	distance between two laser units for each camera for scaling.	
19	<p>Section IV: Technical Specifications: (Page No. 74 & 75 of 130)</p> <p>Item I: TV-GUIDED GRAB (TVG)</p> <p>Item II: SEAFLOOR OBSERVATION SYSTEM (SFOS)</p> <p>> USBL transponder should be integrated.</p> <p>Please clarify if 2 Nos. of transponders are to be supplied for both TV grab and SFOS?</p>	Total two transponders should be supplied. One each for TVG and SFOS.
20	<p>Section IV: Technical Specifications: (Page No. 74 of 130)</p> <p>General Specifications:</p> <p>Clause No.3. All systems (including winch) shall be stored and transported together, thus to be integrated in TWO (2) standard 20-feet certified (ISO 20') marine containers.</p> <p>Clause No.4. Must have an integrated Deck Control and Monitoring Station for TVG, SFOS, and winch operation, with recording system for all cameras and sensors.</p> <p>Kindly note that it will not be possible to store all the requested equipment including the winch, the TVG and the SFOS as well as the Deck Control and Monitoring Station within 2 containers.</p> <p>The winch will occupy one full container space and the control station with all its peripherals will be fitted in the other containers. For the purpose of mobilization, a 3rd container has to be provided to accommodate the TVG, SFOS and accessories.</p> <p>Kindly confirm if this is acceptable.</p>	The whole system should be fitted into three standard 20 feet containers.
21	<p>Section IV: Technical Specifications: (Page No. 76 of 130)</p> <p>Item VI: USBL positioning system:</p> <p>Position interfaces for USBL – Please confirm whether DGPS signal will be provided onboard the ship.</p> <p>If DGPS is not available onboard the vessel, please specify whether DGPS to be included in the scope. In such cases, please confirm whether subscription for satellite corrections to be included in the scope or not. If so, how many years.</p>	DGPS signal will be provided from the ship. Supply of DGPS is not within the scope of the tender.
22	<p>Section IV: Technical Specifications: (Page No. 76 of 130)</p> <p>Item VII, DECK CONTROL AND MONITORING UNIT</p> <p>It is recommended to use a Marine Data Management System be included to enhance the capability of the DCMU. This will greatly help managing the voluminous cruise data collected in each campaign.</p> <p>Please confirm if this should be included.</p>	It is not a mandatory requirement as per the terms of the tender.
23	<p>Makers List</p> <p>Please clarify if NCPOR has preferred brand names for items such as CTD, Acoustic Positioning System etc.</p>	We cannot provide preferred brands. Please supply equipment which fits the specifications provided in the tender
24	<p>Section V: Bidding Forms:</p> <p>Form 1.2: Eligibility Declarations</p>	JV/Consortium is eligible, if they are already registered before publishing of this tender as per

	<p>Clause No.3. JV (Page No. 83 of 130)</p> <p>Kindly clarify what are the requirements /conditions to be complied during submitting the bid as JV/Consortium bidder.</p>	the guidelines of the Government of India.
25	<p>Bid Security/ Earnest Money Deposit (EMD).</p> <p>Due to the substantial amount of the EMD and the associated financial burden will be significantly higher. Therefore, we kindly request that you consider excluding the EMD requirement in the tender, similar to the previous instance.</p>	EMD is required as per tender terms.
26	<p>Custom Duty</p> <p>Could you please provide clarification regarding whether NCPOR is responsible for custom clearing/IGST/ clearing the cargo charges or if it is the responsibility of the foreign bidder?</p>	The delivery terms are CIF, Goa India. NCPOR will clear the consignment at Goa port and pay the applicable customs duty.
27	<p>GENERAL SPECIFICATIONS</p> <p>Point 3:</p> <p>Is it an absolute requirement that the winch fit into a 20 feet container? Please specify.</p>	The winch must fit in a standard (20') certified marine container.
28	<p>TV-GUIDED GRAB (TVG)</p> <p>Point i – Underwater power supply</p> <p>(i) We hope power from topside also be allowed. (ii) Have you considered the time it will take to launch/recover every time the battery is empty? Please clarify. (iii) Have you considered the advantage with power from topside? Continuous /unlimited power. Ability to use umbilical to power ROV?</p>	Power from the topside is allowed. Underwater power supply is optional, if is necessary.
29	<p>SEAFLOOR OBSERVATION SYSTEM (SFOS)</p> <p>(i) Hope topside power be allowed. Please clarify. (ii) Have you considered the advantage with continuous operations without the need for recovery/re-launch for battery swap? Please comment.</p>	Power from the topside is allowed.
30	<p>HYBRID FIBRE-OPTIC CABLE</p> <p>(i) Steel-armoured: Hope synthetic armour is acceptable. A synthetic armoured cable/umbilical will have to be more than 22mm diameter. Can it be accepted with a thicker diameter of the umbilical? Please comment.</p>	Steel-armoured cable is preferred with a maximum diameter of 22mm.
31	<p>TRACTION-WINCH</p> <p>(i) Hope a direct winch is acceptable with hive compensation. This will be gentler on the umbilical. Please clarify.</p>	Direct-pull winch is not acceptable.
32	<p>Five-year Annual Maintenance Contract (AMC) after the warranty period should be quoted separately</p>	AMC will be part of the evaluation. AMC should be as per Section I. 6.1.3.3b (page 17) of the

	i) Please confirm if the Annual Maintenance Contract (AMC) quoted will be considered evaluating the lowest bidder.	tender.
33	Five-year Annual Maintenance Contract (AMC) after the warranty period should be quoted separately. ii) Please confirm if NCPOR is asking only Annual Maintenance Contract (AMC) or Comprehensive Maintenance Contract (CMC) which includes parts?	An Annual Maintenance Contract (AMC) is required.

Note: The bidders may please also refer the Corrigendum uploaded for this tender.