



**National Centre for Polar and Ocean Research**

Ministry of Earth Sciences (Government of India)

Headland Sada, Vasco-da-Gama,

Goa – 403804 (India)

## **Tender Document**

**Onsite Operation, Comprehensive Maintenance and  
Repairs Contract (OMRC) for Bharati - Indian  
Research Station at Larsemann Hills, Antarctica**

**Tender No. AL-11019/1/2025**

**12 May 2026**

**Section -1****1. NOTICE INVITING TENDER**

Sealed tenders are invited in two-cover system by Director, National Centre for Polar and Ocean Research (NCPOR) for “Onsite Operation, Comprehensive Maintenance and Repairs Contract for Bharati- Indian Research Station at Larsemann Hills, Antarctica” for 3-years and further extendable annually for two more years. The details for the tender are given in the table below:

<b>Tender Number</b>	AL-11019/1/2025
<b>Description</b>	Onsite Operation, Comprehensive Maintenance and Repairs Contract (OMRC) for Bharati - Indian Research Station at Larsemann Hills, Antarctica
<b>Contract Period</b>	Tentatively 15 November 2026 to 31 December 2029 (extendable annually for 02 more years on satisfactory operation, maintenance and repairs as evaluated by NCPOR)
<b>Pre-Bid Meeting date and Time</b>	01 June 2026 at 10:00 hrs (IST) (The prospective bidders should submit their queries by email at least 2 days before the pre Bid meeting)
<b>Last date and time of submission</b>	15 June 2026 (1700 hrs IST)
<b>Date and time of opening of technical bid</b>	17 June 2026 (1100 hrs IST)
<b>Date and time of opening of financial bid</b>	Within FIVE Weeks of opening of technical bid.
<b>Bid Bond /EMD</b>	INR 17.5 lakh
<b>Bid Validity</b>	120 days from opening of Technical Bid (Cover-1)
<b>Bid Bond Validity</b>	120 days from opening of Technical Bid (Cover-1) plus 60 days
<b>Contract Value</b>	Contract value will be the total cost for the manpower including 60 days overlap for annual changeover, and spares and consumables for 12 months, including redundancy of critical spares for an additional 12 months.
<b>Security Deposit/ Performance Bank Guarantee (PBG)</b>	Security Deposit will be 10% of the Annual Contract Value Validity-60 days beyond Contract period of three years tentatively as 30 June 2029. If NCPOR exercises the options for extension for the fourth/fifth season being 2029-30, and 2030-31 the Contractor shall extend the validity of PBG for the succeeding season(s) or shall submit a fresh PBG at least 30 days before the expiry of the PBG of the concluding season.
<b>Correspondence address</b>	<b>Group Director (Antarctic Operations)</b> National Centre for Polar& Ocean Research (NCPOR) Ministry of Earth Sciences, Govt. of India (MoES) Headland Sada, Vasco-da-Gama, Goa – 403 804. (India) Email: <a href="mailto:logistics@ncpor.res.in">logistics@ncpor.res.in</a> Phone: +91 832 252520

The tender will be governed as per the enclosed instruction to bidders.

Bidders are advised to submit the Bid complete in all respects as per requirement of tender document clearly specifying their acceptance to all the clauses of Bid evaluation criteria, terms & conditions and compliance to the technical specification, mandatory requirement etc. Tender document can be downloaded from the Central Public Procurement Portal <https://eprocure.gov.in/> and NCPOR website [www.ncpor.res.in](http://www.ncpor.res.in). General enquiries, other information regarding the tender or project can be obtained by the prospective bidders from NCPOR by dialling the above number between 10:00 and 17:00 hrs (IST) from Monday to Friday, except public holidays or by writing an email.

**DIRECTOR, NCPOR**

**SECTION -2****2. BACKGROUND INFORMATION**

Bharati Station is located between Thala Fjord and Quilty Bay in the Larsemann Hills, Prydz Bay region, East Antarctica. The station is spread over an area of approximately 2 square kilometres on rocky terrain, with an average elevation of about 35 metres above mean sea level, centered around 69°24.41' S, 76°11.72' E.

The station's Main Building, designed with a compact footprint, was commissioned in 2012 to support year-round scientific research activities under the Indian Antarctic Programme.

**2.1. Approach and Accessibility**

Bharati Station is accessible only during the Austral Summer season, that is, November to February of the succeeding calendar year. During this period, the station is typically reached by sea from Cape Town using an Ice-Class research vessel, with an average transit time of approximately 16 days, subject to prevailing weather and sea-ice conditions.

An alternate access route is by air, generally via Maitri Station, using small fixed-wing aircraft. The typical flight duration between Maitri and Bharati is approximately 10 hours, depending on aircraft type and operational conditions.

From April to October, Bharati Station remains completely isolated, with no routine ship or aircraft access. All ship and aircraft operations are planned, coordinated, and executed by NCPOR, based on long-term scheduling and are subject to environmental, meteorological, and sea-ice constraints.

**2.2. Station Components**

Bharati Station components includes:

- Main Station Building
- Fuel Farm and Fuelling Station
- Helipads
- Seawater Pump House
- Network of fuel and water pipelines
- Electrical, communication, and network cabling systems
- Emergency Shelter (Summer Camp)

These systems collectively support station operations, life-support services, and scientific activities throughout the year.

**2.3 Local Transport and Connectivity**

Local transportation around Bharati Station is carried out using tracked vehicles and snow scooters for movement of personnel and materials throughout the year.

During the summer season, weakening sea-ice conditions may result in temporary disconnection between the station, the continental ice sheet, and the runway. In such situations, access between the station and the runway is maintained via a walkable rope bridge, which serves as the primary pedestrian link.

**SECTION – 3****3. DESCRIPTION OF BHARATI STATION****3.1 Main Building**

The Main Building of Bharati Station is a fully weather-controlled structure equipped with an intelligent building system. It comprises 134 prefabricated container modules, interlocked and enclosed within insulated sandwich panels made of PU-core steel sheets. The structure is erected on 86 steel pillars, anchored using GEWI piles.

The building is designed to withstand wind speeds of up to 250 km/h. It has a footprint area of approximately 1,500 sq. metres and a total built-up area of approximately 2,100 sq. metres, distributed over four levels, with accommodation capacity for 47 personnel.

**Level-wise layout:**

- Level 1: Vehicle garage and workshop
- Level 2: Scientific laboratories, storage areas, Combined Heat & Power (CHP) units, and Water Treatment Plant
- Level 3: Living rooms, dining area, station leader's office, Main Low Voltage Distribution (MLVD) room, Building Management System (BMS) control room, radio room, kitchen with attached reefer rooms, entertainment room, gymnasium, medical facility (including a small operation theatre), satellite communication room, laundry, lounge, bathrooms, and toilets
- Level 4: Air Handling Units (AHUs) and open terrace used as an observation deck.

The Main Building provides regulated electrical power, automated heating and ventilation, hot and cold running water, flush toilets, sauna, cold storage facilities, a public address (PA) system, and fully equipped living, laboratory, and kitchen spaces. Cooking is carried out using Liquefied Petroleum Gas (LPG).

Two concrete and one wooden helipads are located to the west of the Main Building. The primary helipad is constructed using prefabricated concrete slabs and is supported by an adjacent helipad fuelling station, covering an area of approximately 900 sq. metres.

**3.2 Power Generation, Fuel Delivery, and Storage**

Electrical power at Bharati Station is generated by three Jet A-1 fuel-operated Combined Heat & Power (CHP) units, each rated at 100 kVA, housed on Level 2 of the Main Building. Power distribution is managed through a centralized Main Low Voltage Distribution (MLVD) system, supported by two 60 kVA Uninterrupted Power Supply (UPS) systems for backup.

The Fuel Farm, located at 69°24.31' S, 76°11.84' E at an elevation of approximately 20 metres, consists of:

- One 20-foot prefabricated container housing pumps, level indicators, overfill protection, leak detection systems, and pressure-vacuum relief valves, and
- Thirteen double-hull fuel tanks, each of 24 m<sup>3</sup> capacity, providing a total storage capacity of approximately 296 kilolitres of ATF/Jet A-1 fuel.

The Fuel Farm is situated close to the ship anchorage point. Fuel is transferred annually from the vessel or barge to the Fuel Farm using leak-resistant reinforced rubber hoses.

Jet A-1 fuel is supplied to the 13.6 kL storage tank and storage tank to CHP units via a day tank of 470 ltrs located adjacent to the power station. The storage tank filled from the Fuel Farm through leak-resistant pipelines over a distance of approximately 350 metres in every 8-10 days, and the day tank automatically draws fuel from the storage tank. Fuel delivery to CHP units, helicopters, and station vehicles is controlled through a centralized, microprocessor-based Building Management System (BMS).

### **3.3 Heating, Ventilation, and Air Conditioning (HVAC)**

The station's thermal energy requirements, including space heating and hot water generation, are met using waste heat recovered from the CHP units. The maximum thermal demand of the station is approximately 155 kWTH.

Heating is provided through a low-temperature glycol-water circulation network. Ventilation is managed by a centralized Volumetric Air Control (VAC) system located on Level 4, equipped with redundant ventilators to ensure operational reliability.

Fresh air is supplied to all station areas through Air Handling Units (AHUs) with integrated heating and humidification functions. Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) sensors are installed at critical locations to monitor air quality and automatically activate exhaust ventilation when required.

### **3.4 Water Supply and Waste Treatment**

Seawater is drawn from Quilty Bay (east coast) at a depth of approximately 12 metres, using a dedicated pump house housed in a 10-foot prefabricated container. Seawater is conveyed to the Main Building through insulated, trace-heated pipelines over a distance of approximately 300 metres.

The seawater is processed through a reverse osmosis plant located on Level 2, followed by re-mineralization for potable and domestic use. Wastewater is segregated into Galley water (kitchen), Grey water (bathrooms) and Black water (toilets).

Galley water is passed through grease traps and treated together with black water. Sludge is removed using a biological activated sludge membrane treatment process, and treated effluent meeting European bathing water standards is discharged into Quilty Bay at a location approximately 60 metres from the intake point.

Solid waste is segregated and transported to the mainland for disposal in compliance with the Antarctic Environmental Protocol.

### **3.5 Building Management System (BMS)**

Bharati Station is operated as an intelligent building with approximately:

- 1,000 monitoring and control data points
- 14 switchgear cabinets containing ~300 fuses
- 13,000 metres of network cabling
- 180 field devices

The BMS monitors all rooms, laboratories, kitchens, sanitary areas, CHP units, and fuel storage facilities. Automatic fire and gas detection systems provide acoustic and visual alarms.

Fire suppression systems include high-pressure water mist combined with liquid nitrogen spraying in critical areas such as kitchens, CHP rooms, and fuel storage spaces. Additional safety systems include fire blankets,

fire doors, water mist nozzles, and access-controlled zones with video surveillance. The fire suppression system is designed to address Class A, B, C, and electrical fires.

### **3.6 Fuelling Station**

The Fuelling Station comprises two 10-foot prefabricated containers, equipped with pumps, level indicators, overflow protection, leak detection systems, and pressure-vacuum relief valves. It is used for refuelling helicopters and other station machinery using ATF/Jet A-1 fuel.

### **3.7 Cold Storage and Air Conditioning**

Food supplies for the entire season are stored in six 20-foot reefer containers, maintained continuously at +4°C and –20°C:

- Two reefers are located within the Main Building (Level 3 kitchen area)
- Four reefers are located in the external container yard

For areas with high heat loads (UPS rooms, servers, generators, etc.), where HVAC fresh-air supply is insufficient, 13 additional air-conditioning units are installed to ensure safe system operation.

### **3.8 Laboratories**

Specialized prefabricated scientific laboratories—such as meteorology, atmospheric sciences, and non-magnetic laboratories—are located at multiple sites within a 1.5 km radius of Bharati Station. Electrical power and network connectivity are provided from the Main Building through dedicated cable routes.

### **3.9 Uninterrupted Power Supply (UPS)**

The station is equipped with a centralized UPS system consisting of two 60 kVA UPS units, each supported by 40 batteries. One UPS operates as the primary unit, while the second serves as a fully redundant backup. Both units are capable of independently supporting the full critical load for up to 15 minutes.

The UPS systems are installed in a dedicated room and connected to the UPS Main Distribution Board located in the MLVD room. A manual bypass arrangement enables seamless changeover between systems. Certain critical loads are connected in parallel to both UPS units to ensure uninterrupted power supply.

### **3.10 Communication Network System**

The station operates a high-performance communication network supporting voice, data, and video services. The Class-F structured cabling system, compliant with EN 50173, is configured in a star topology from the main distributor to junction boxes using 8-core RJ-45 cabling.

The network infrastructure includes:

- 3 × 42U equipment racks
- 1 × 24-port switch
- 210 I/O points (including 12 internet access points)
- Wi-Fi routers

The telephone and data systems are rack-mounted in 19-inch cabinets and integrated into a multi-service network.

### **3.11 Emergency Shelter (Summer Camp)**

The Emergency Shelter is a weather-controlled structure comprising 15 prefabricated container modules, interlocked with steel cladding and erected on a wooden frame reinforced with steel wire ropes. It has a footprint area of approximately 150 sq. metres and a total floor area of approximately 250 sq. metres, distributed over two levels, with accommodation capacity for 13 personnel.

Located approximately 300 metres north of the Main Building, the shelter also functions as a Summer Camp when station occupancy exceeds Main Building capacity. The Summer Camp is primarily used for sleeping purposes and is maintained year-round for emergency use.

Level-wise layout:

- Level 1: Office and living area, water treatment plant with storage, 25 kVA generator, waste management facilities
- Level 2: Communication room, dining area, kitchen, bathroom, and conference room

At present, only the generator, power supply, heating, lighting, and electrical fixtures are operational and included under the OMRC scope. The fresh water treatment plant, toilet units, and wastewater systems are currently non-functional and shall be repaired or replaced by NCPOR as part of initial capital investment.

The Contractor shall provide assistance during installation and commissioning. Subsequent operation, maintenance, and repairs shall be governed by Clause 4.3 of the tender document.

**SECTION -4****4. SCOPE OF WORK**

Onsite operation, comprehensive maintenance, monitoring and repair Contractor (OMRC) of all life support systems of Bharati station including emergency shelter, fuel farm, fuelling station, sea water pump house and a network of fuel/water pipelines and electrical/network cables of all related equipment having direct or indirect bearing in smooth operation of the systems elaborated in Section - 3 and those detailed in Annexures - VI (A) and VI (B).

The satellite communication system, station infrastructure (that is, civil works), scheduled overhauling of the engine CHP at 40,000 running hours (R3), scientific instruments, and all kinds of vehicles available at Bharati station are **excluded** from the Contract.

The scope of the work is further segregated as follows:

**4.1. Onsite Manpower Deployment**

For the proposed scope of work, a team of four trained engineers with relevant technical skills from Mechanical or Marine, Electronics & Communication, Electrical and Chemical disciplines (Table-2) is envisaged for deployment at the site for continuous period of about 12 to 14 months depending on the operational requirement. NCPOR shall provide two additional berths, preferably for summer, to the Contractor for extra activities, with no additional payment to the Contractor.

<b>Table -2: Essential Qualification and Experience for Deployed Engineers</b>			
<b>Contractor's OMRC Crew</b>	<b>Number</b>	<b>Qualification</b>	<b>Experience in relevant field (refer Annexure –VI(A&amp;B))</b>
Lead Engineer	01	B. E. / B. Tech or equivalent degree from a recognized institute in electrical / mechanical/ marine/ automobile/chemical/electronics and communication, or any related field	5 years for graduate engineer and 8 years for diploma Engineers.
Second Engineer	01	B. E. / B. Tech or equivalent degree from a recognized institute in electrical / mechanical/ marine/ automobile/ chemical / electronics and communication or any related field or Diploma in engineering (3-yrs course)	3 years for graduate engineer and 5 years for Diploma in Engineering.
Support Engineers	02-04	B.E. /B. Tech or equivalent degree from a recognized institute in electrical / mechanical/ marine/ automobile/ chemical / electronics and communication or any related field or Diploma in Engineering (3-yrs course)	3 years for graduate engineer and 5 years for Diploma in Engineering.

4.1.1. Considering the logistics involved for the travel between Antarctica and India and with due consideration to weather related uncertainties, the duration of stay for a team at Bharati may be considered as 12 to 14 months with tentative start date as 15th Nov 2026.

- 4.1.2. The annual changeover of team (OMRC Crew) shall happen once a year during the austral summer season (November to February of the preceding calendar year, depending on availability of flights and vessel operation) with anticipated sixty days of overlapping period for briefing, travel and interaction between the new and old teams and familiarization of the systems for smooth handing over of operations.
- 4.1.3. The facilities to be provided by NCPOR are listed in Terms and Conditions Clause 5.2.
- 4.1.4. The total cost for the Manpower Component should be inclusive of wages, perks, insurance, etc. of the Crew.
- 4.1.5. Systems installed at Bharati station are of different OEMs. Breakdown maintenance of various plants at Bharati shall be responsibility of the Contractor. Currently, Contract with OEM is over and no specialist support is available to NCPOR. However, specialist support from any of the OEMs can be sought by the Contractor on call basis on their own cost and expense with an approval of NCPOR.
- 4.1.6. The maximum number of the Contractor's crew shall be inclusive of the OEM expert.
- 4.1.7. Travel of the OEM expert from Goa or Cape Town, South Africa to Antarctica and return shall be arranged by NCPOR at par with the expedition members, either by expedition vessel or flight as per availability.

## 4.2. Supply of Spares and Consumables

- 4.2.1. The Contract shall include operation, maintenance and repairs of the systems detailed in Section-3 and Annexure – VI(A) and VI(B) at the exclusive risk and responsibility of the Contractor.
- 4.2.2. **One-time replacement of all 80 batteries of UPS with equivalent specifications and service life, during the first year (*preferably*) of the Contract shall be in the scope of the work for the Contractor. NCPOR will arrange disposal of the old batteries.**
- 4.2.3. Contractor will keep sufficient number of spares required for replacement during day-to-day maintenance and Breakdown/ Corrective Maintenance for uninterrupted operation.
- 4.2.4. The contractor shall provide to NCPOR, on an annual basis, copies of original invoices along with a detailed list of spare parts being dispatched to the Station for the maintenance of the Life Support System.
- 4.2.5. All the general and special tools-tackles required for proper maintenance and repairs/ breakdown, etc. for Bharati Station shall be arranged by the Contractor at own cost.
- 4.2.6. In case of repairs/ replacement of working parts in the station maintenance, only genuine spare parts with same as existing system will be used, however in case of spare parts which are no longer in supply by the OEM or replaced with a new model, a written-permission of NCPOR shall be obtained by the Contractor for replacing with a substitute.
- 4.2.7. NCPOR shall be at liberty to verify the inventory and seek requisite documents in support of genuine spares.
- 4.2.8. All used or changed spares and consumables shall be property of NCPOR.
- 4.2.9. About 550 litre and 5,000 litre of glycols in the CHPs and station heating systems, respectively are circulated to meet the thermal requirement. CHP glycols are majorly changed every 2-year and 1000 litre station glycol is replaced every year. Contractor shall be required to top-up and replace glycols as per schedule.
- 4.2.10. All the preventive maintenance works shall be carried out under the OEM/ manufacturer's specifications/Check-sheet. System-wise maintenance schedule, to the extent possible, shall be provided in the Pre-Bid Meeting. However, it shall be responsibility of the Contractor to refer to the OEM manuals/ specifications and undertake regular maintenance for smooth operation.
- 4.2.11. In case of damage of equipment due to substandard quality of spares or unavailability of running spares or negligence of the Contractors Crew in maintenance, the entire cost of equipment shall be

- recovered from the Contractor as per prevailing market rate of the equipment and with due consultation with the technical surveyor of OEM/ authorized representative. However, the cost of surveyor for inspection of equipment shall be arranged by NCPOR, aside of this a legal action against the Contractor shall also be taken for use of substandard/ duplicate quality material.
- 4.2.12. Any equipment damaged due to unforeseen conditions, such as structural damages of the building leading to breakdown, the cost of maintenance/repairs/replacement of equipment, in such conditions, shall be borne by NCPOR.
- 4.2.13. Preventive maintenances of all the systems are taken up as per OEM service manual. In case of CHPs (Make- MAN), each generator runs about 6000 hrs per year and major activities fall due at each 10,000 running hours (R1), 20,000 running hours (R2). However, for the scheduled overhauling falling due at 40,000 running hours- (R3) of the CHPs, NCPOR will undertake the work with OEM. The Contractor will extend the support of their personnel during the overhauling process without any additional charges.
- 4.2.14. Inventory of crucial spares and consumables including tools and tackles are maintained at Bharati for year-round maintenance of the life support systems and the same shall be handed over to the Contractor at the time of commencement of the Spare Component of the Contract.
- 4.2.15. The Contractor could consume and replenish the inventory of NCPOR during the tenure of Contract and return to NCPOR on yearly basis.
- 4.2.16. The Contractor shall submit, through the Station Leader, an updated inventory of consumables and available spare parts at the Station to NCPOR on a fortnightly basis. The inventory shall include both the contractor's spare parts and the NCPOR-owned spare parts available at the Station.
- 4.2.17. Antarctic provides a narrow window for movement of men and material during austral summer, that is, November to February of the preceding calendar year. Contractor's materials/ supplies for station OMRC should be delivered by early August at NCPOR, Goa or at Cape Town, South Africa by mid of November to catch the expedition vessel. Any changes in the schedule due to the operational requirements shall be notified by NCPOR at least one month in advance.
- 4.2.18. At the end of the Contract, the Contractor shall hand over spares and consumables listed at Annexure XII (A) and (B), in unused and usable condition, at no additional cost to NCPOR.
- 4.2.19. Additional inventory of the spares and consumables available with the Contractor at the end of the Contract may be purchased by NCPOR at the invoice price (billed to the Contractor) including Customs Duties, as applicable after inspection of the condition, suitability/ compatibility to the systems, and also considering that the shelf life of the item should not be less than one year.
- 4.2.20. The maximum limit on the purchase of individual items by NCPOR shall not be more than the averaged annual consumption during the last 5-years.
- 4.2.21. Fuel, lubes and coolants for the operation of CHP/generators shall be provided by NCPOR. In the event of requirement of any specific type of lube or other material, Contractor shall arrange at their own cost and expense.
- 4.2.22. Before assuming charge of the station under the new OMRC tender, the inventory shall be jointly verified and counted by the contractor and the NCPOR representative. A finalized inventory list, signed by both parties, shall be maintained as the official reference and shall be verified again at the time of contract completion/handing over to NCPOR.
- 4.2.23. The contractor shall be fully responsible for any discrepancies or shortages in the inventory. Any missing or damaged spare part must be replaced by the contractor with the same make and model before conclusion of contract.

### **4.3.Future Expansion/Integration/Upgradation**

- 4.3.1. NCPOR is planning for some future expansion in the next five years in Fuel Farm, Workshop Building, Emergency Shelter, and Generator complex with augmentation of 2-3 new generators (each of 150-260 kVA). The active components of the expansion/addition shall be included in the

- scope of Contract, if required by NCPOR. Passive components such as civil works shall remain out of it.
- 4.3.2. The Contractor shall be required to undertake the operation and maintenance of the expansion during the tenure of the Contractor and to share the details of the spare parts requirement to NCPOR for the maintenance.
  - 4.3.3. For any new components/ additions to Bharati station, if handed over by NCPOR to the Contractor for the comprehensive maintenance and repairs, the Contractor shall be paid a fixed price (percentage of the cost of the active components of the system) per year on pro rata basis. There shall not be any changes in the rate of the manpower component.
  - 4.3.4. Handing over the active components of the addition/ expansion to the Contractor for comprehensive or non-comprehensive maintenance shall be at the discretion of NCPOR. There shall not be any changes in the cost of Manpower Component.

**Section-5****5. GENERAL CONDITIONS OF CONTRACT****5.1. Definitions**

Terms which are defined in the Contract Data are also defined in the Conditions of Contract. Capital initials are used to identify defined terms.

- 5.1.1. A **Contract** is an agreement having a lawful object entered into voluntarily by Client and Contractor, each of whom intends to create one or more legal obligations between them. Here, in this case, Contractor shall carry out operation, monitoring, comprehensive maintenance and repair of equipment and machinery at Bharati.
- 5.1.2. The Contract Data defines the documents and other information which comprise the Contract.
- 5.1.3. The Contractor is a person or corporate body whose Bid to carry out the Services has been accepted by the Client.
- 5.1.4. The Contractor's Bid is the completed Bidding documents submitted by the Contractor to the Client.
- 5.1.5. The Contract Price is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
- 5.1.6. One LAKH is 100,000 and 1 CRORE is 10,000,000.
- 5.1.7. The Client is the party who will employ the Contractor to carry out the Works.
- 5.1.8. Days are calendar days; months are calendar months.
- 5.1.9. "Client" or "Employer" means the National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India, which will employ the Contractor for execution of the Contract.
- 5.1.10. "Contract" means the agreement entered into between the Client and the successful Bidder (Contractor), including all documents listed in the Contract Data, and all amendments issued thereto.
- 5.1.11. "Contractor" means the individual, partnership, firm, company, Joint Venture (JV), or Consortium whose bid has been accepted by the Client and who is responsible for providing the Services under the Contract.
- 5.1.12. "Bid" or "Tender" means the complete set of documents submitted by the Bidder in response to this Tender, including all forms, annexures, supporting documents, clarifications, and the Price Bid.
- 5.1.13. "Bidder" means any eligible entity (company, JV, or consortium) that submits a Bid in response to this Tender Document.
- 5.1.14. "Bid Security" / "Earnest Money Deposit (EMD)" means the security submitted by the Bidder with its Bid to secure its obligations during the bidding process.
- 5.1.15. "Performance Bank Guarantee (PBG)" means the security deposit furnished by the Contractor as per the terms of this Contract to ensure due performance of its obligations.
- 5.1.16. "Contract Price" means the price payable to the Contractor for the full and proper performance of the contractual obligations, as specified in the Letter of Acceptance and adjusted in accordance with the Contract.
- 5.1.17. "Works" or "Services" means all obligations to be performed by the Contractor under the Contract, including onsite operation, comprehensive maintenance, monitoring, and repair services as detailed in the Scope of Work.
- 5.1.18. "Manpower Component" means the supply and deployment of the Contractor's qualified crew at Bharati Station for operation, maintenance, and repair of life-support systems.

- 5.1.19. “Spares and Consumables Component” means the supply of spare parts, consumables, and other items required for regular and corrective maintenance of systems at Bharati Station.
- 5.1.20. “Station” or “Bharati Station” means the Indian Research Station “Bharati” located at Larsemann Hills, Antarctica, including its associated infrastructure, laboratories, fuel farm, emergency shelter, seawater pump house, and network of pipelines/cables.
- 5.1.21. “Day” means a calendar day; “Month” means a calendar month, unless otherwise specified.
- 5.1.22. “Joint Venture (JV)” / “Consortium” means an association of two or more companies that submit a joint bid, collectively responsible for performing the Contract, in accordance with the terms specified in this Tender.
- 5.1.23. “Force Majeure” means any event or circumstance beyond the reasonable control of the parties which prevents or delays performance of contractual obligations, as more particularly defined in this Tender.
- 5.1.24. “NIT” means the Notice Inviting Tender forming part of this Tender Document.
- 5.1.25. “Annexures” means the appendices, forms, and supporting documents annexed to this Tender Document.
- 5.1.26. The Start Date of Spare Component is the date when the Contractor’s personnel take the charge of Bharati station. However, Contractor shall be paid for the manpower since the day of reporting of their crew at NCPOR, Goa for the expedition until the date of return of assuming the charge at Bharati on pro-rata man-day basis.
- 5.1.27. The End Date of Spare Component is the date when the Contractor’s personnel handover the charge of Bharati station to NCPOR, unless the Contract is extended. During the transit from Bharati to the mainland India after handing over the charge of station, however, the Contractor shall be paid for the manpower on pro-rata man-day basis.
- 5.1.28. Annual Price Escalation, if agreed, shall be from date of handing over of the station or after completion of 60 days of overlap, whichever is later.
- 5.1.29. The dates of handover of Bharati station shall be decided by NCPOR in consultation with the Contractor.
- 5.1.30. The Works are what the Contract requires the Contractor with regard to onsite operation, monitoring, maintenance and repair as defined in the Scope of Works and Annexure VI (A& B).
- 5.1.31. The Trained Personnel/Crew/ Manpower are those employed / proposed to be employed (refer Table-2 above) by the Contractor at the Station, who have participated and are in possession of a valid Competency Certificate through a programme run under the auspices of a University/All India Council of Technical Education (AICTE).
- 5.1.32. Manpower Component**  
Supply of four trained technical staff, but not exceeding six, of the Contractor at Bharati station in Antarctica for the operation, maintenance and repairs of the life support systems as detailed under Section 4 including subsequent expansion (Clause 4.3), and at the rate offered by the Contractor.
- 5.1.33. Spare Component**  
Supply of spare parts and consumables for the routine maintenance and repairs of breakdown of the systems elaborated under Section 4 including subsequent expansion at the rate offered by the Contractor.

## 5.2. Terms and Conditions

- 5.2.1. The initial Contract shall be for a period of three (03) years, tentatively from 15 November 2026 to 31 December 2029. The Contract may be extended on an annual basis for up to two

- (02) additional years (1+1) beyond the initial three-year term, subject to satisfactory performance in operation, maintenance, and repairs, as evaluated by NCPOR and at discretion of NCPOR.
- 5.2.2. If the Contractor terminates the Contract, the Performance Bank Guarantee shall stand fully forfeited and all pending payments due to the Contractor shall be forfeited, without prejudice to additional actions NCPOR may deem necessary.
- 5.2.3. Boarding, lodging, polar clothing and passage between Goa and Bharati by ship/air at par with other expedition members shall be provided by NCPOR. This, however, shall not include pay and perks, or any other form of remittance agreed between the Contractor and its employees, which shall be borne by the Contractor.
- 5.2.4. Contractor's crew while in Antarctica or on-board ship shall enjoy all privileges at par with other expedition members as per the directive of the Ministry of Earth Sciences while on deputation except for financial privileges, like Antarctic allowance and preparatory advance.
- 5.2.5. Contractor's Crew shall have to undergo medical examination along with other expedition members at All India Institute of Medical Sciences (AIIMS), New Delhi or any other place as decided by NCPOR before embarking on the expedition. The expenses for the medical examination shall be borne by NCPOR. However, travel, sustenance and accommodation during the medical examination will have to be arranged by the Contractor. In case of foreign crew members, medical examination can be done in their own country at the cost and expense of the Contractor and their medical fitness certificate to be submitted to NCPOR before embarking on the expedition.
- 5.2.6. Contractor's crew shall have to attend pre-expedition acclimatization and survival training at ITBP, Auli or any other place as decided by NCPOR. Cost of training, boarding, lodging and travel between Delhi and place of training shall be borne /arranged by NCPOR. Foreign crew shall be exempted from the training upon written request from the Contractor.
- 5.2.7. If required by NCPOR, the Contractor will provide pre-expedition training for operation and maintenance of life support system to maximum of 05 NCPOR staff for minimum of 07 days at their premises at no additional cost to NCPOR. However, boarding and lodging and travel expenses for such trainees shall be borne by NCPOR.
- 5.2.8. Lead engineer of the Contractor's crew will submit periodical reports to NCPOR on performance/ maintenance of all systems under Contractor according to the protocol. (One copy to Station Leader and One to NCPOR, Goa)
- 5.2.9. Monthly Invoices submitted by the Contractor shall be paid subject to satisfactory performance as certified by the Representative of NCPOR.
- 5.2.10. The Contractor shall provide NCPOR with the offer letters of the deployed crew, clearly indicating their salary structure.
- 5.2.11. Contractor's crew while on deputation shall abide by rules and regulations of the respective stations Maitri and Bharati as formulated by NCPOR and shall report to the concerned Leader.
- 5.2.12. Contractor shall arrange for the Overseas Travel and Medical insurance with life cover of its crew members. However, accidental death cover in Antarctica at par with other expedition members shall be provided by NCPOR.
- 5.2.13. Contractor's crew while at Cape Town or any transit location shall be provided with hotel accommodation by NCPOR and foreign DA at par with other expedition members.
- 5.2.14. Contractor's crew will have to undertake all housekeeping jobs including galley duty in kitchen at par with other expedition members in ship or at Maitri/Bharati station(s) or any other community activity assigned by Leader of the expedition.

- 5.2.15. NCPOR shall not be responsible for any injury or death for the Contractor's crew while in transit or during their sojourn in Antarctica.
- 5.2.16. Contractor's crew shall be entitled for medical facilities available at Ship/Bharati/Maitri at par with other expedition members.
- 5.2.17. Emergency/medical evacuation of Contractor's Crew at par with other expedition members shall be possible during the austral summer season November to March of succeeding calendar year and shall be taken care by NCPOR.
- 5.2.18. In case of unforeseen evacuation on medical or any other ground if the number of Contractor's crew is reduced to less than four, an amount on pro-rata man-day basis for the manpower component shall be deducted for the shortfall.
- 5.2.19. Contractor shall be liable to direct damages sustained as a result of gross negligence or wilful misconduct of personnel in the performance of the services.
- 5.2.20. All the spares and consumables including tools and tackles required for operation, maintenance and repair for Bharati Station shall be arranged by the Contractor at his own cost. Inventory of crucial spares and consumables including tools and tackles available at Bharati shall be handed over to the Contractor at the time of commencement of Contractor. The Contractor shall be required to maintain the inventory during the tenure of Contractor and return to NCPOR, as received, at the time of Exit/Completion of Contractor.
- 5.2.21. Consumption of the spares/consumables for the maintenance or repairs shall be immediately notified to the Leader of the station and NCPOR, and the inventory shall be updated.
- 5.2.22. The inventory of all spares, tools and tackles shall be maintained by the Lead engineer and shared with NCPOR. The handing/taking over report should be duly authenticated by the Station Leader.
- 5.2.23. Contractor shall submit a detailed list of items required to be sent to Bharati in a season and NCPOR shall have rights to verify the inventory or quality of used and unused spares or consumables at Bharati.
- 5.2.24. **Limitation of Liability-** NCPOR agrees that for total liability in respect of any loss shall be limited to the lower of the figures produced by the operation of the following sub-clauses.
  - 5.2.24.1. **Contractor** shall be limited solely to direct damages sustained as a result of gross negligence or wilful misconduct of crew in the performance of the services. Contractor's total liability shall be limited to the total value of the Contract. In no event, Contractor shall be liable to NCPOR or any third party for further damages or expenses even if Contractor have been advised of the possible existence thereof.
  - 5.2.24.2. Contractor's liability to NCPOR in respect of breach of Contract or breach of duty or fault or negligence or otherwise whatsoever arising out of or in connection with this engagement shall be limited to that proportion of the loss or damage (excluding interest and costs) assessed by NCPOR, which is ascribed to Contractor allocating proportionate responsibility to Contractor having regard to
    - 5.2.24.2.1. The contribution to the loss and damage in question of any other person responsible and/or liable to NCPOR for such loss and damage and Contractor's contribution to such loss and damage. This provision shall have no application to any liability for death or personal injury nor to any liability arising as a result of fraud on our part (or for which Contractor are vicariously liable) nor to any liability which cannot lawfully be excluded or limited.

- 5.2.25. These terms of business shall be governed by and constructed in accordance with the laws of India and any dispute arising out of this engagement or these terms shall be subject to the exclusive jurisdiction of Indian courts.
- 5.2.26. The Contractor shall adhere to the Waste Management Plan and Emergency Plan at the station, and to the provisions of Indian Antarctic Act-2022.

### 5.3. Interpretation

- 5.3.1. In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter and the other way around. Headings have significance. Words have their normal meaning under the language of the Contract unless specifically defined. NCPOR will provide instructions clarifying queries about the Conditions of Contract.
- 5.3.2. The documents forming part of the Contract shall be interpreted in the following order of priority:
- 5.3.2.1. Agreement
  - 5.3.2.2. Letter of Acceptance and notice to proceed with works.
  - 5.3.2.3. Contractor's Bid
  - 5.3.2.4. Annexure VI (A) & VI (B) (Undertaking by the Contractor)
  - 5.3.2.5. General Conditions of Contract.
  - 5.3.2.6. Performance Bank Guarantee.
  - 5.3.2.7. Any other documents listed in the Contract Data as forming part of the Contract.

### 5.4. Language and Law

The language of the Contract is English and Contract will be governed by Indian Civil Law.

### 5.5. Communications

Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act 1872).

### 5.6. Joint Venture

- 5.6.1. JV or consortium members are “jointly and severally responsible and liable” in the Contract. For pre-qualification, the JV or consortium should fulfil the criteria specified in the pre-qualification document. The attributes to be evaluated will be the same as for individual companies; however, certain parameters up to the specified limits have to be essentially met by them collectively, some by the lead partner, and some by the other partner, as briefly described below:
- 5.6.2. Lead partner of JV or consortium should have technical experience of five years in any of the two of the required fields in Building Management System (BMS) and/or Diesel Power Generators/Combined Heat and Power System and/or Heating, Ventilation, and Air Conditioning (HVAC) and/or Water supply and Effluent Treatment and/or Fire and security systems. Other partners of JV or consortium should have technical experience of three/FIVE years in at least one of the required technical field in Building Management System (BMS) and/or Diesel Power Generators/Combined Heat and Power System and/or Heating, Ventilation, and Air Conditioning (HVAC) and/or Water supply and Effluent Treatment.
- 5.6.3. ***However, the Lead partner of Consortium or Joint Venture shall be liable or responsible for the execution of the work under this Contract.***
- 5.6.4. In case of joint bids, a joint bidding agreement (MoU), valid for the entire period of the Contract, is to be submitted along with the Bid document which shall cover the following:

- 5.6.4.1. Commitment(s) of the lead member in accordance with the tender clearly outlining the proposed roles & responsibilities of each member;
- 5.6.4.2. Include a statement to the effect that all members of the joint bidding shall be liable jointly for all obligations except as provided under the proposed tender there shall not be any amendment to the joint bidding agreement.

### **5.7. Period of Contract**

- 5.7.1. The initial Contract shall be for 03-years being 2026-29 with a tentative start date from 15 November 2026 and further extendable annually for two more years (2029-30 and 2030-31) subject to satisfactory operation, maintenance and repairs, as evaluated by NCPOR. The contract period for the Manpower Component shall commence from the date the contractor's crew reports to NCPOR prior to departure for Antarctica. For the Spare Parts Component, the contract period shall commence upon handover of the system from the outgoing team to the new team, duly certified and signed by the Station Leader.
- 5.7.2. In the event of the Contract being extended based on satisfactory performance of the services rendered, the Contractor shall confirm in writing their acceptance of the extension by 31st March of the respective year. If no confirmation is received by the due date, NCPOR shall issue a notification to the Contractor for submission of acceptance. Failure to respond even thereafter shall be deemed as lack of interest on the part of the Contractor to continue the Contract for the succeeding years/expeditions.
- 5.7.3. If the Contract is extended with mutual consent, the Contractor shall extend the validity of security deposit / Performance bank guarantee for the succeeding years or shall submit a fresh performance bank guarantee for the extended year as directed by NCPOR.
- 5.7.4. In case the Contractor withdraws the acceptance for the extension of the Contract for the agreed succeeding years/expeditions at a later date, the Security Deposit / Performance bank guarantee and the balance payments of the on-going Contract period shall be forfeited.

### **5.8. Currency of Bid**

Bidders should quote in Indian Rupees only and all payments shall be made in INR only.

### **5.8. Payments**

- 5.8.1. There shall be no advance payment.
- 5.8.2. Pro-rata invoice shall be prepared and submitted by the Contractor to NCPOR on a monthly basis for the manpower and spare components as per Clause 5.1.
- 5.8.3. Based on the Work and Performance Certificate issued by the Representative of NCPOR, against the work executed at Bharati station by the Crew, payment shall be disbursed to the Contractor within 30 days from the date of receipt of the signed invoice.
- 5.8.4. For the Expansion Component of the station (Clause 4.3), a percentage of the actual cost of the Active Component shall be payable to the Contractor for the OMRC on pro-rata basis.
- 5.8.5. TDS, as applicable, shall be deducted.
- 5.8.6. For foreign remittances all bank charges outside India will be borne by the beneficiary.

### **5.9. Payment beyond overlapping period of Manpower**

**5.10.** The cost of manpower component shall be for 12 months with minimum 4 and maximum 6 personnel (lump sum) of the Contractor for any given season. NCPOR envisages 60 days of overlap of the manpower, including travel for the annual changeover of the teams. The total Annual Contract value should be inclusive of wages, perks, etc. for additional resources for the overlapping period.

- 5.10.1. In case the overlap period exceeds 60 days because of the operational reasons attributable to NCPOR, extra payment shall be made for the additional manpower on pro-rata man-day

basis for the manpower component, at applicable rates, for the actual days spent by the previous team.

#### 5.11. Price Escalation:

*The agreed fixed annual escalation, not more than 10% of the annual contract value shall be applicable during the contract. The escalation for second, third and subsequently extended duration, if any, shall apply on annual basis on the respective components from the date of assumption of charge of the station or after completion of 60 days of overlap, whichever is later.*

#### 5.12. Taxes

The Contract price quoted by the Contractor shall be inclusive of all taxes and levies. As necessary, taxes shall be deducted at source by the client as per applicable law. Any change in the taxes, levies and duties imposed by the Indian Government after signing the Contract for services shall be made by the Client on production of documentary evidence.

#### 5.13. Penalty Clause

The life support systems are categorized into four categories, A, B, C and D based on their implications for sustenance of the station. In case of breakdown or non-functioning beyond allowable downtime, penalties shall be levied as per Table 3.

- 5.13.1. If the downtime of any life support system, listed in Table 3, exceeds the permitted downtime due to unavailability of spares/consumables, delayed response, negligence (as reported by the NCPOR Representative and verified by data), penalties shall be calculated based on the defined percentage assigned to each service category and applied on a pro-rata (per-day) basis.
- 5.13.2. The penalty value shall be computed against the total contract value, including manpower, spares, applicable taxes, and any applicable annual enhancement.
- 5.13.3. The penalty amount shall be adjusted against the Contractor's monthly invoice(s).
- 5.13.4. Damages/breakdown to any life support system under the OMRC sustained due to the failure of another system under OMRC, troubleshoot and revival shall be responsibility of the Contractor at their own cost and expense.

Table-3: Financial Weightage of the Life Support Systems				
S. No.	Life Support System under Spare Component	Permitted Downtime (Hours)	Categories	Penalty of the Annual Contract Value
1	Combined Heat and Power System (3 Sets)	6	Category-A	50%
2	Waste Water Treatment Plant	6	Category-B	20%
3	Central Air Handling Unit	6	Category-B	20%
4	Glycol-based heating system	6	Category-B	20%
5	Drinking and Sea Water Plant	24	Category-C	10%
6	Fuel Farm	24	Category-C	10%
7	Building Automation System	24	Category-C	10%
8	Grey Water Treatment System	24	Category-D	5%

9	Fire Fighting System	24	Category-D	5%
10	Water Pipeline Network	24	Category-D	5%
11	Reefer containers (Six 20-foot reefers)	24	Category-D	5%
12	Cooling System (13 ACs)	24	Category-D	5%
13	Fuel Pipeline Network	24	Category-D	5%
14	Emergency Shelter including 25 KVA Genset	24	Category-D	5%
15	Low Voltage Distribution Unit	24	Category-D	5%
16	Fuelling Station	24	Category-D	5%
17	Public Address and Fire Alarm System	24	Category-D	5%
18	Ethernet and Electrical Networking	24	Category-D	5%
19	Crane and Lifting Table	24	Category-D	5%

#### 5.14. Incentive or Bonus

No incentive or Bonus is to be paid to the Contractor for early completion of work.

#### 5.15. Secrecy

NCPOR and Contractor shall not disclose any information/data furnished to either party by the other and that of any other information prepared by either for this project without prior written approval of NCPOR or Contractor as the case may be, except in so far as disclosures necessary for this performance of NCPOR's or Contractor's work and service hereunder.

#### 5.16. Intellectual Property Rights

Results of the study and the report thereof by NCPOR would be sole property of NCPOR respectively; Copyright of the report/publication will rest with NCPOR. The data acquired at Antarctica shall be sole property of NCPOR.

#### 5.17. Discoveries

Anything of historical or other interest or of significant value unexpectedly or otherwise discovered on and the around Station shall be the property of the NCPOR. The members have to notify the Station Leader and NCPOR of such discoveries.

#### 5.18. Award Criteria

The Client will award the Contract to the Bidder whose Bid has been determined to be responsive to the tender and who has offered the lowest evaluated Bid Price, provided that such Bidder has been determined to be eligible and qualified in accordance with the provisions of the tender.

#### 5.19. Notification of Award and Signing of Agreement

5.19.1. The Bidder whose Bid has been accepted will be notified of the award by the Client prior to expiration of the Bid Validity period by e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Client will pay the Contractor in consideration of the execution, completion and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

- 5.19.2. The notification of award will constitute the formation of the Contract subject only to the furnishing of a performance security in form of Performance Bank Guarantee (PBG) in accordance with the provisions of Clause 5.20.
- 5.19.3. The Agreement will incorporate all correspondence between the Client and the Successful Bidder. It will be signed by the Client and sent to the Successful Bidder within 28 days of award of work following the notification of award along with the Letter of Acceptance. Within 14 days of receipt of work order, the successful Bidder will furnish the PBG and sign the Agreement with the Client thereafter.
- 5.19.4. Upon furnishing of the PBG by the successful Bidder, the Client will promptly notify other Bidders that their Bids have been unsuccessful and release their Bid Security.

## **5.20. Bid Bond/ Bank Guarantee/ Performance Security**

- 5.20.1. The Bidder shall submit a Bid Bond/ Earnest Money Deposit (EMD) at the time of submission of the Bid as per format prescribed in Annexure VII.
- 5.20.2. The successful bidder shall provide security deposit equivalent to 10% of 1-year Contract Value (inclusive of Manpower and Spare Components) in the form of Bank Draft or Bank Guarantee within 14 days of receipt of letter of acceptance and the same will be refunded/returned after 60 days of successful completion of the Contract period (if not extended).
- 5.20.3. The initial Performance Bank Guarantee shall be valid for 40 months from the date of Letter of Intent. Subject to price escalation or extension of the Contract for further period, the Performance Bank Guarantee shall be further revised/extended as per demand of NCPOR.
- 5.20.4. Failure of the successful Bidder to comply with the above requirements shall constitute sufficient grounds for cancellation of the award of work and forfeiture of the Bid Bond/EMD.

## **5.21. Termination**

- 5.21.1. The Client or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 5.21.2. Fundamental breaches of Contract include, but shall not be limited to the following:
  - 5.21.2.1. The Contractor's Crew stops work for 3 days when no stoppage of work is shown on the current program and the stoppage has not been authorized by the NCPOR or the Nominee of NCPOR.
  - 5.21.2.2. Services provided by the Contractor and certified by the Representative of NCPOR/ Nominee while not paid by the Client to the Contractor within 60 days of the submission of the invoice.
  - 5.21.2.3. The Contractor does not provide the performance security.
  - 5.21.2.4. The Contractor is not providing services to the Client to desired levels.
  - 5.21.2.5. If the Contractor, in the judgment of the Client has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
  - 5.21.2.6. If the Contractor's crew continuously behave in a manner which is a hindrance and threat to the security and life of the expedition members.

For the purpose of this paragraph "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution. "Fraudulent Practice" means a misinterpretation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Client, and includes collusive

practice Bidders (Prior to or after Bidsubmission) designed to establish Bidprices at artificial non-competitive levels and to deprive the Client of the benefits of free and open competition.

### **5.22. Payment upon Termination**

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, authorized representative of NCPOR shall issue a certificate for the work done till date. If the total amount due to the Client exceeds any payment due to the Contractor, the difference shall be a debt payable to the Client by the Contractor.

### **5.23. Contractor's Risks**

All risks or losses or damages to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

### **5.24. Compliance with labour regulations**

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all necessary crew and for their payment.

During continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Government or local authority and any other labour law (including rules) regulations, byelaws that may be passed or notification that may be issued under any labour law in future either by the State or Government or the local authority. The Contractor shall keep the Client indemnified in case any action is taken against the Client by the competent authority on account of contravention of any of the provisions of any Act or Rules made there under, regulations or notifications including amendments. If the Client is caused to pay or reimburse such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the Notifications/ Byelaws/ Acts/Rules/Regulations including amendments if any, on the part of the Contractor, the Client or his nominee shall have the right to deduct any money due to the Contractor including his amount of performance security. The Client or his nominee shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Client.

The Employees of the Contractor and the Sub-Contractors in no case shall be treated as the employees of the Client at any point of time.

### **5.25. Corrupt or Fraudulent Practices**

5.25.1. The Client requires that Bidders/Suppliers/Contractors under this Contractor, observe the highest standard of ethics during the procurement and execution of this Contractor. In pursuance of this policy, the terms set forth below as follows:

5.25.1.1. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution; and

5.25.1.2. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Client, and includes collusive practice among Bidders (prior to or after Bidsubmission) designed to establish Bidprices at artificial non-competitive levels and to deprive the Client of the benefits of free and open competition.

- 5.25.2. The Client will reject and declare a proposal as ineligible for award of work if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract in question.
- 5.25.3. The Client will declare a Bidder ineligible, either indefinitely or for a stated period of time, to be awarded a Contract if at any time determined that the Bidder has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

### **5.26. Subsequent Legislation**

If, after the date of submission of tenders for the Contract there occur changes to any National Statute, Ordinance or Decree or other Law or any regulation or bye law of any local or other duly constituted authority or introduction of any such state statute, Ordinance, Decree, Law, regulation or bye law which causes additional or reduced cost to the Contractor in execution of the Contract, such additional or reduced cost shall, be determined by the NCPOR and shall be added to or deducted from the Contract price and shall notify the Contractor accordingly with a copy to the Contractor provided that such National Statute, Ordinance or Decree or other Law or any regulation or bye law of any local or other duly constituted authority is a matter from which there can be no derogation, and where derogation is permissible and the Contractor can do so, he shall be bound to take necessary steps to “ContractOut” of such provision.

### **5.27. Arbitration:**

The same is applicable as per Indian Arbitration Act in force. However the place for arbitration proceedings will be at Goa.

### **5.28. Force Majeure**

Neither of the parties hereto shall be considered in default in performance under the Contract if such performance is prevented or delayed by events such as war, civil war (whether declared or not), civil commotion, hostilities, revolutions, riots, strikes, lockouts, conflagration, epidemics, accident, fire, drought, earthquake, blizzards, whiteouts, unforeseen excessive built up of sea ice, obstruction due to icebergs, breaking of ice shelf or ordinance of any government or of any sub division thereof, or any act of God or causes beyond the reasonable control of the party affected, provided notice in writing is provided within 10 days, failing which within the shortest period from NCPOR to Contractor and vice versa. Soon after the cause of force majeure has been removed, the party whose ability to perform its obligation has been affected shall notify the other of such cessation and the actual delay occurred due to such affected activity providing necessary evidence in support thereof. From the date of occurrence of the force majeure, the obligations of the party shall be suspended during the continuance of any inability resulting therefrom have been removed and the agreed time of completion of the respective obligation under this agreement shall stand extended by a period equal to the period of delay occasioned by such events. Should one or both parties be prevented from fulfilling the obligations by state of force majeure lasting for a period of more than one month, the two parties shall consult each other and decide on the future execution of the Contract.

**Section -6****6. ELIGIBILITY CRITERIA FOR BIDDER****6.1. Technical Eligibility/Evaluation:**

A Company, Joint Venture (JV) or Consortium of companies, limited to three, meeting following conditions shall be eligible bidder:

6.1.1. Company or consortium should have at least five years' experience in providing maintenance and repairs support/services to eco-friendly intelligent buildings, for example, Hotels/Shopping Malls/Hospitals/ Airports/ Offshore Platforms/ Polar Regions with minimum floor area of 2,000 sq. meter or any comparable project(s) that involves operation and maintenance inclusive of the following:

- 6.1.1.1. Building Management System (BMS),
- 6.1.1.2. Diesel Power Generators / Combined Heat and Power System,
- 6.1.1.3. Heating, Ventilation, and Air Conditioning (HVAC),
- 6.1.1.4. Water supply and Effluent Treatment,
- 6.1.1.5. Fire and security systems

Relevant documents as a proof of desired experience as per clause 6.1.1 and an MoU valid for the entire period of the Contract in case of joint venture should be enclosed with the technical bid.

- 6.1.2. Company or Lead partner of consortium should have at least one completed project of 5.6 crore or two complete projects of 3.5 crore or three complete projects of 2.8 crore each during last 7 years ending 31 December 2025. (Copies of work order with contract values and completion certificates to be enclosed.)
- 6.1.3. Net worth of the Company or Lead Partner of consortium should be positive and average of the annual turnover for the last three financial years being 2022-23, 2023-24 and 2024-25 should not be less than INR five Crore. (Certificate from a Chartered Accountant for positive net worth and copies of audited profit and loss account and balance sheet to be enclosed.)
- 6.1.4. The Company or Consortium should have at least TWELVE (12) in-house engineers with minimum 3 years' experience in the fields relevant for the scope of work as elaborated at 6.1.1. Supporting document/ experience certificate/ resume of relevant engineers should be enclosed.
- 6.1.5. In the event of JV or consortium, the Lead partner should have technical experience of at least five years in any of the two of the required field in Building Management System (BMS) and/or Diesel Power Generators/Combined Heat and Power System and/or Heating, Ventilation, and Air Conditioning (HVAC) and/or Water supply and Effluent Treatment and/or Fire and security systems. Other partners of JV or consortium should have technical experience of five years in at least one of the required technical field in Building Management System (BMS) and/or Diesel Power Generators/Combined Heat and Power System and/or Heating, Ventilation, and Air Conditioning (HVAC) and/or Water supply and Effluent Treatment. In totality all five technical fields should be covered for the sake of experience by either of the JV partners. (Relevant documents should be enclosed.)

**6.2. Financial Evaluation Criteria:**

The financial evaluation of the bids shall be carried out on the basis of the total cost to the Client over the contract period of three years, considering the following components:

- 6.2.1. Manpower Cost

Total quoted price for deployment of 4 to 6 Engineers, including all applicable taxes, for the three-year contract period, along with the percentage of annual escalation quoted by the bidder.

6.2.2. Maintenance Spares Cost

Total quoted price for maintenance spares, including all applicable taxes, for the three-year contract period, along with the percentage of annual escalation quoted by the bidder.

6.2.3. UPS Battery Replacement

Total quoted price for one-time replacement of the complete UPS battery bank, including all applicable taxes.

6.2.4. Expansion Spares Cost

Total quoted cost of expansion spares, calculated on the basis of ₹10 crore worth of expansion of the relevant machinery and equipment covered under the scope of the contract, including all applicable taxes.

The total cost derived from the above components shall be considered for financial evaluation and determination of the lowest evaluated bidder (L1).

**Section - 7****7. INSTRUCTIONS TO BIDDERS****7.1. Scope of Bid**

The Director, NCPOR, invites bids for “Onsite Operation, Comprehensive Maintenance, Monitoring and Repairs Contract for Bharati -Indian Research Station, Larsemann Hills, Antarctica” (as detailed in the Table-1 of Notice Inviting Tender).

**7.2.** Currency of the Bid shall be INR only.

**7.3.** Clarifications in pre-Bid meeting shall be posted on NCPOR website and shall be a part of the tender document. Bidders must comply with the outcome of the pre-Bid meeting in their offer.

**7.4. Submission of Bid:**

7.4.1. The tender document should be submitted in a single sealed cover duly inscribed "**Tender Number AL-11019/1/2025:OMRC-Bharati, Antarctica**". This sealed cover, in turn, should contain two separate sealed covers inscribed, Cover-1 (Technical Bid) and Cover-2 (Price bid).

7.4.2. **Technical Bid under Cover-I** should be complete in all respect and contain following documents.

7.4.2.1. Duly filled in and signed Annexure I, II, III, IV, V, VI, VI(A), VI(B), XII (A) and XII(B).

7.4.2.2. Bid Bond/EMD in prescribed format Annexure VII.

7.4.2.3. Copies of supporting documents substantiating claims made in Annexures - II, IV&V.

7.4.2.4. Written power of attorney of the signatory of the Bid to commit the Bidder.

7.4.2.5. Qualifications and experience of key management and technical personnel proposed for the Contract (refer Table-2 of Section 3).

7.4.2.6. Reports on the financial standing of the Bidder, such as audited balance sheet, profit and loss account statements and auditor's reports for the last three years (2022-23, 2023-24, 2024-25).

7.4.2.7. Pre-Contract Integrity Pact signed by the bidder, and all partners in case of a joint venture.

7.4.3. **Price Bid under Cover-2** should be complete in all respect and contain the following documents.

7.4.3.1. Format duly filled in and signed as per Annexure VIII.

**7.5. Deadline for Submission of the Bids**

7.5.1. Bids must be received by the Client at the address specified in NIT Section-1 and not later than due date given in NIT. In the event of the specified date for the submission of bids being declared a holiday by the Client, the Bids will be received up to the appointed time on the next working day.

7.5.2. The Client may extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligations of the Client and the bidders previously subject to the original deadline will then be subject to the new deadline.

7.5.3. Any Bid received by the Client after the deadline prescribed in NIT not be considered.

**7.6. Amendment of Bidding Documents**

7.6.1. The Client may modify the bidding documents by issuing addenda.

- 7.6.2. Any addendum thus issued shall be part of the bidding document(s) and shall be uploaded on NCPOR website.
- 7.6.3. To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Client shall extend, if necessary, the deadline for submission of bids. However, considering the time constraints, extension if any will be minimal.

### **7.7. Bid Validity**

- 7.7.1. Bids shall remain valid for a period of 120 days after the last date of Bid submission specified in the NIT or Bid shall be considered non-responsive and rejected.
- 7.7.2. In exceptional circumstances, prior to expiry of the original time limit of Bid validity, the Client may request the bidder(s) to extend the period of validity for a specified additional period. The request and the bidder's responses shall be made in writing. Bidder will have the right to decline/refuse the request without forfeiting the Bid bond. Bidder(s) agreeing to the request will not be permitted to modify their bid(s) and also shall submit a corresponding extension for Bid Bond in accordance with NIT.
- 7.7.3. EMD of unsuccessful bidders other than L-1(Lowest) will be refunded after 14 days of evaluation of Price Bids. Earnest Money Deposit of successful bidder will be refunded after receipt of Security Deposit/ Performance Bank Guarantee (PBG) and signing of Contract agreement.
- 7.7.4. The Bid Bond / EMD may be forfeited, if
  - 7.7.4.1. the Bidder withdraws the Bid after Bid opening during the period of Bid Validity;
  - 7.7.4.2. the Bidder does not follow (Clause 7.7.4) for initialling the corrections if any; or
  - 7.7.4.3. the successful Bidder fails within the specified time limit to
    - 7.7.4.3.1. Sign the Agreement or
    - 7.7.4.3.2. Furnish the required Performance Security.

### **7.8. Format and Signing of Bid**

The Bid shall be typed or hand written in indelible ink and shall be signed by a person or persons duly authorised to sign on behalf of the Bidder. All pages of the Bid where entries or amendments have been made shall be initialled by the authorized person or persons signing the bid.

### **7.9. Correction of Errors**

The amount stated in the Financial Bid (Cover-2), will be final and no further additions and deletions are allowed. However, any corrections in Technical Bid (Cover-1) are to be initialled by the bidder and same to be authenticated by putting their company seal otherwise their Bid will be rejected and the Bid Security may be forfeited in accordance with Sub-Clause 7.7.4.

### **7.10. Process to be Confidential**

Information relating to the examination, clarification, evaluation and comparison of the bids and recommendations for the award of a Contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced.

### **7.11. Clarification of Bids**

- 7.11.1. To assist in the examination and comparison of Bids, the Client may, at his discretion, ask any Bidder for clarification of his Bid, including breakdown of unit rates during the bidding process. The request for clarification and the response shall be in writing, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to conform to correction of arithmetic errors discovered by the Client in the evaluation of the Bids in accordance with Clause 7.9.
- 7.11.2. No bidder shall contact the Client on any matter relating to his Bid from the time of the Bid opening to the time the Contract is awarded.
- 7.11.3. Any effort by the Bidder to influence the Client's Bid evaluation, Bid comparison or Contract award decisions, may result in the rejection of his Bid and render him ineligible under Clause 5.25.

#### **7.12. Evaluation and Comparison of Bids**

The Client will evaluate and compare only the Bids determined to be responsive in accordance with Clause 5.15.

- 7.13. Bidder should sign on each page of the tender document affix with official seal and should submit the details of **bankers and account**. There should not be any blank format to be submitted without filling any single entry or entire format otherwise such tender is liable for rejection.

#### **7.14. Client's Right to accept any Bid and to reject any or all**

Notwithstanding Clause 7.14 , the Client reserves the right to accept or reject any Bid and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the bidders on the ground for Client's action.

## 8. FORMS OF BID AND ANNEXURES FOR TECHNICAL BID (COVER-I)

**Annexure - I**

**UNDERTAKING**

(TO BE TYPED ON COMPANY LETTERHEAD)

**Tender for Onsite operation, Comprehensive maintenance, monitoring and repairs Contract (OMRC) for Bharati-Indian Research Station at Larsemann Hills, Antarctica**

Dated: / /

To,

The Director  
National Centre for Polar and Ocean Research (NCPOR),  
Ministry of Earth Sciences (Government of India),  
Headland-Sada, Vasco-da-Gama  
GOA - 403804,  
India

**Subject:** Bid for Onsite Operation, Comprehensive Maintenance and Repairs Contract for Bharati - Indian Research Station at Larsemann Hills, Antarctica

Dear Sir,

With reference to your tender number AL-11019/1/2025, I/We, having examined the document and understood its contents, hereby submit my/our Application for Qualification for the aforesaid project. The Application is unconditional and unqualified.

1. All information provided in the Application and its Annexures is true and correct and all documents accompanying the Application are true copies of their respective originals.
2. I/We agree to undertake the onsite maintenance of systems of Bharati station and a duly-signed undertaking to that effect is in Annexure –VI.
3. I/We agree to undertake the comprehensive or non-comprehensive maintenance Contract, as assigned by NCPOR, for the expansion/ addition to Bharati station at the quoted percentage of the asset cost to NCPOR without any change in the manpower component.
4. We certify that in the last two years, we/ any of the Consortium Members have neither failed to perform on any Contract, as evidenced by imposition of a penalty or a judicial pronouncement or arbitration award, nor been expelled from any project or Contract nor have had any Contract terminated for breach on our part.
5. I/ We declare that:

- (a) I/ We have examined and have no reservations to the Tender document, including any Addendum issued by the Authority.
  - (b) I/ We do not have any conflict of interest in that affects the qualification process of the Tender document; and
  - (c) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, in respect of any tender or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State; and
  - (d) I/ We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
6. I/ We understand that you may cancel the Bidding Process at any time without assigning any reasons thereof.
  7. I/ We declare that we/ any Member of the Consortium are/ is not a Member of a/any other Consortium applying for this Tender.
  8. I/ We certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
  9. I/ We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates
  10. I/ We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/ Managers/ employees.
  11. I/We not be involved in any financial/legal dispute with the Government of India or its Agencies.
  12. I/We have not been blacklisted/debarred/defaulted by Government of India or any Central/State Government entity.
  13. I/ We undertake that in case due to any change in facts or circumstances during the Bidding Process, we are attracted by the provisions of disqualification in terms of the guidelines referred to above, we shall intimate the Authority of the same immediately.
  14. I/We, hereby irrevocably waive any right which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of Applicants, selection of the Bidder, or in connection with the selection/ Bidding Process itself, in respect of the above

mentioned Project and the terms and implementation thereof.

15. I/We agree and undertake to abide by all the terms and conditions of the Tender document.
16. I/We declare that I/We that our tender is not conditional and conditions if any are treated as withdrawn.

In witness thereof, I/We submit this application under and in accordance with the terms of the Tender document.

Yours truly,

Date: (Signature of the Authorised Signatory)

Place:

(Name and designation of the Authorised Signatory)

Name and seal of the Applicant/ Lead Firm

**Annexure - II****Details of Applicant(s)/Bidder(s)**

1.
  - (a) Name:
  - (b) Country of incorporation:
  - (c) Address of the corporate headquarters and its branch office(s):
  - (d) Date of incorporation and / or commencement of business:
  
2. Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Project:
  
3. Details of individual(s) who will serve as the point of contact/communication for the Authority:
  - (a) Name:
  - (b) Designation:
  - (c) Company:
  - (d) Address:
  - (e) Telephone Number:
  - (f) Mobile Number:
  - (g) E-Mail Address:
  - (h) Fax Number:
  
4. Particulars of the Authorized Signatory of the Applicant:
  - (a) Name:
  - (b) Designation:
  - (c) Address:
  - (d) Phone Number:
  - (e) Mobile Number:
  - (f) E-Mail Address:
  - (g) Fax Number:
  
5. Financial details of bidder
  - (a) Name of Bank:
  - (b) Branch:
  - (c) IFSC/NEFT code:
  - (d) SWIFT code:
  - (e) PAN number:
  - (f) Sales Tax/VAT registration number:
  - (g) Service Tax registration number:
  
6. In case of a Consortium:
  - (a) The information above (1-4) should be provided for all the Members of the Consortium.
  - (b) A copy of the Joint Bidding Agreement, as envisaged may be attached to the Application.
  - (c) Information regarding the role of each Member should be provided as per table below:

Sl. No.	Name of Member	Role*	Percentage of equity in the Consortium

\* The role of each Member, as may be determined by the Applicant, should be indicated in accordance as below

Following codes may be used to describe the status of the member in consortium

NA for Not Applicable in case of a single entity Applicant. For other Members, the following abbreviations are suggested viz. LM means Lead Member, TM means Technical Member, FM means Financial Member, OMM means Operation & Maintenance Member; and OM means Other Members. In case the Eligible Project relates to an Associate of the Applicant or its Member, write "Associate" along with Member Code.

(d) The following information is to be provided for each Member of the Consortium.

**Name of Applicant / Member of Consortium:**

No.	Criteria	Yes	No
1.	Has the Applicant / Constituent of the Consortium been barred by any State Government, or any entity controlled by it, from participating in any project		
2.	If the answer to 1 is yes, does the bar subsist as on the date of Application.		
3.	Has the Applicant / Constituent of the Consortium paid liquidated damages of more than 5% of the Contract value in a Contract due to delay or has been penalized due to any other reason in relation to execution of a Contract, in the last three years.		

7. A statement by the applicant and each of the members of its consortium (where applicable) or any of their associates disclosing material non-performance or Contractual non-compliance in past projects, Contractual disputes and litigation/arbitration in the recent past is given below (Attach extra sheets, if necessary):

Yours truly,

Date: (Signature of the Authorised Signatory)

Place:

(Name and designation of the Authorised Signatory)

Name and seal of the Applicant/ Lead Firm

**Annexure - III****Details with regard to the Eligibility Criteria**

(Information provided by the bidder in the following pages will be used as criteria for Technical qualification as per Clause 6).

<b>S. No.</b>	<b>Description</b>	<b>Bidder's Response</b>
1	Experience of the Company or JV/Consortium in Number of Years in providing maintenance and repairs in reference to:	
1.1	Building Management System (BMS)	
1.2	Diesel Power Generators/ Combined Heat and Power System	
1.3	Heating, Ventilation and Air Conditioning (HVAC)	
1.4	Water Supply and Effluent Treatment	
1.5	Fire and Security Systems	
2	Number of completed project of more than Rs. 5.6 crore during last 7 years ending 31 December 2025.	
	Number of completed projects of more than Rs. 3.5 crore each during last 7 years ending 31 December 2025.	
	Number of completed projects of more than Rs. 2.8 crore each during last 7 years ending 31 December 2025.	
	Relevant documents to be enclosed. Indexation of the contract value of the completed project(s) at 5% annual rate to the current rate shall be made applicable.	
3	Whether net worth of the Company or lead partner of the consortium is positive (certified by a Chartered Accountant)	
	Averaged Annual Turnover for the financial years:	
	2022-23	
	2023-24	
	2024-25	
4	Number of in-house graduate engineers with minimum 3 years' experience in the relevant field	
5	In the event of JV or Consortium, indicate experience of the Lead Partner and other partners in the field of the Building Management System (BMS); Diesel Power Generators/Combined Heat and Power System; Heating, Ventilation, and Air Conditioning (HVAC); Water supply and Effluent Treatment; and Fire and security systems:	
	Lead Partner	
	Partner -1	
	Partner -2	

Note: Supporting documents to be enclosed for substantiating the claims.

**Annexure - IV****Financial Strength and work experience**

1. Constitution or legal status of Bidder (Attach copy)
  - a. Place of registration.
  - b. Principal place of business.
  - c. Power of Attorney of signatory of Bid (Attach)

2. Turnover of the Firm / lead partner of the JV/Consortium

Year	Turnover (in INR)
2022-2023	
2023-2024	
2024-2025	

Attachments: Financial reports for the above fiscal years (Averaged annual turnover of the lead partner for last 3 years should not be less than INR 5 Crore or equivalent in foreign currency). Balance sheets, profit and loss accounts statements, auditor's reports etc.

3. Information on works for which bids have been completed (Work Order and Completion Certificate) and works which are yet to be completed as on the date of this bid. (Work order to be enclosed)

- (A) Completed works, existing commitments and on-going works.

Description of work	Country, Place & State	Contract No. & Date	Name & Address of Organization	Value of Contract (INR / US\$)	Stipulated period of completion	Value of remaining work to be completed	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(B) Works for which bids already submitted.

Description of work	Country, Place & State	Name & Address of Organization	Stipulated period of completion	Date when decision is expected	Remarks, if any.
(1)	(2)	(3)	(4)	(5)	(6)

\*Attach certificate(s) as required.

4. In-house strength/tie-up with other companies with respect to BMS/HVAC/Generators-CHP/Fresh and waste water treatment

Services	Company/ Partner	Remarks
Building Management Services		
Heat Ventilation and Air Conditioning		
Diesel Power Generating Units /Combined heat and power units		
Waste water treatment		
Water supply management		
Fire and Security Systems		

5. Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data.

Position	Name	Qualification	Years of experience (general)	Years of experience in the comparable projects*

\* Comparable projects imply execution of service and maintenance of eco- friendly, intelligent buildings for example, Hotels, Shopping Malls, Hospitals, Commercial Complexes, Airports, offshore platforms or any comparable project that involves maintenance of Building Management System (BMS) , Diesel Power Generators (Combined Heat and Power System) / Heating, Ventilation, and Air Conditioning (HVAC)/Water supply and Treatment, fire and security systems, etc.

6. Proposed sub-Contractors and firms involved (if applicable)

Sections of the works	Value of Sub-Contract	Sub-Contractor (Name, address and contact number(s))	Experience in comparable projects.

7. Awards, Prizes, Citations received by the Firm/JV/Consortium if any.

8. Client References

9. Additional information Bidder may like to submit.

Duly authorized to sign this authorization on behalf of: (insert complete name of bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

**Annexure - V**

(To be executed on Company Letter Head by bidder and enclosed in Cover-1)

**JOINT VENTURE (JV)/ CONSORTIUM PARTNER INFORMATION FORM**

[The Bidder shall fill in this Form in accordance with the instructions indicated below]. (To be filled only if applicable.)

**The maximum number of partners in the JV/Consortium, participating in the tender, is limited to three.**

Date: insert date (as day, month and year) of Tender Submission].

Tender No.: [insert number of Tendering process]

Page of \_\_\_ pages

1.	Bidder's Legal Name: [insert Bidder's legal name]
2.	JV's Party Legal name: [insert JV's Party legal name]
3.	JV's Party Country of Registration: [insert JV's Party country of registration and details of registration]
4.	JV's Party Year of Registration: Insert JV's Party year of registration
5.	JV's Party Legal Address in Country/ of Registration: [insert JV's Party legal address in country of registration]
6	JV's Party Authorized Representative Information Name: [insert name of JV's Party authorized representative] Address: [insert address of JV's Party authorized representative] Telephone/Fax numbers: [insert telephone/fax numbers of JV's Party authorized representative] Email Address : [Insert email address of JV's Party authorized representative]
7	Bank and Account details Name of Bank: Branch: IFSC/NEFT code: SWIFT Code:

Attached are copies of original documents of: *[check the box(es) of the attached original documents]*

- Articles of Incorporation or Registration of firm named in 2, above, in accordance with Tender Document
- In case of government owned entity from India, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with Tender Document
- PAN Number
- Sales Tax / VAT registration Number/ GST
- Service Tax Registration Number
- Any other documents required for statutory compliance

Duly authorized to sign this Authorization on behalf of: *[Insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

Note: However, the Bidders to note that in the event of unacceptable deviations if any, the Bid shall be liable for rejection. Bidder is discouraged to deviate from Bid conditions, specifications, delivery schedules and commercial terms as per the tender document.

**Annexure - VI**

**UNDERTAKING IN REGARD TO TECHNICAL COMPETANCE**

(TO BE TYPED ON COMPANY LETTERHEAD)

Dated: / /

To,  
The Director  
National Centre for Polar and Ocean Research (NCPOR),  
Ministry of Earth Sciences (Government of India),  
Headland-Sada, Vasco-da-Gama  
GOA - 403804,  
India

**Subject:** Technical Compliance for Onsite Operation, Comprehensive Maintenance and Repairs  
Contract for Bharati - Indian Research Station at Larsemann Hills, Antarctica

Dear Sir,

With reference to your Tender Number:AL-11019/1/2025 for the Onsite Operation, Comprehensive Maintenance and Repairs Contract for Bharati- Indian Research Station at Larsemann Hills, Antarctica, I/We have examined the document and understood the requirement. I/We have working experience on similar systems given in Annexure-VI(A) & (B) and I/We shall be able to timely purchase and work on the detailed life support systems.

I/We am/are technically competent and shall be able to maintain, troubleshoot, and repair the systems independently without any external help, except for consultation.

Duly signed and stamped Annexures-VI(A) and VI(B) providing technical details of systems at Bharati are enclosed herewith.

Yours truly,

Date:

(Signature of the Authorised Signatory)

Place:

(Name and designation of the Authorised Signatory)

(Name and seal of the Applicant/ Lead Firm)

**(Along with Undertaking by the Bidder and to be enclosed in Cover-1)**

**Annexure – VI(A)**

**Overview of Systems Operational at Bharati Station**

S. No.	System	Technical Details
1	Central Air Handling Unit (01 No.)	<ul style="list-style-type: none"> <li>• Air Handling Units are used exclusively for the ventilation of the rooms and building, for maintaining the required room air conditions as well as for removing dust and impurities contained in the air.</li> <li>• Make- AL-KO THERM GmbH</li> <li>• Type- AT4 20x12</li> <li>• Total air flow volume approx. <b>10,000 m<sup>3</sup>/hour</b></li> <li>• Fan- Supply Air (02 No.) Type : RLM 56-355</li> <li>• Fan - Exhaust Air (02 No.) Type: RLM 56-355</li> <li>• Overload protection : PTC thermistor</li> <li>• Separate air fans for kitchen and garage exhaust.</li> </ul>
2	Drinking & Sea Water Plant (01 No.)  Waste Water Treatment Plant (01 No.)  Grey Water Treatment System (01 No.)	<ul style="list-style-type: none"> <li>• The water treatment is designed as a standard plant producing potable water with a production flow of 2 x 300 Ltr/ hour (2 x 72 m<sup>3</sup>/day).</li> <li>• Make- A3 Water Solution GmbH</li> <li>• Type- Rotec M 300 SW DP</li> <li>• 700 mtr. seawater pipe line outdoor with trace heating</li> <li>• 750 mtr. drinking water pipe line indoor</li> <li>• The seawater and the drinking water stored in four tanks.</li> <li>• 3,000 ltr. seawater tank</li> <li>• 12,000 ltr. drinking water storage indoor</li> <li>• Ultra violet (UV) disinfection</li> <li>• Two 2,000 W drinking water pressure boosters with 10 bar</li> <li>• Waste Water Treatment Plant with double membrane module technology and filtration capacity of 300 ltr. per hour</li> <li>• 350 mtr. waste water pipe line outdoor with trace heating</li> <li>• 300 mtr. waste water pipe line indoor</li> <li>• Seven lifting plants for waste water and oily water</li> <li>• Special fat separator for contaminated kitchen waste water</li> <li>• Grey water pump and circulation system, except for the aerator and membrane, are functional.</li> </ul>
3	Combined Heat & Power– Plants (03 No.)	<ul style="list-style-type: none"> <li>• Engine: MAN D2876 LE202</li> <li>• Generator: Stamford UCI 274 H13</li> <li>• Each CHP produces electric power of ~100 kVA and approx. 150 kW thermal power</li> <li>• Storage tank of 13.6 kL</li> <li>• Fuel Day Tanks (03 No.) of 470 ltr. each for fuel supply</li> </ul>

		<ul style="list-style-type: none"> <li>• CHP cooling system with six cooler units and cooling capacity of 270 kW.</li> <li>• Heating system with redundant pumps, electric valves and monitoring system</li> <li>• 2,500 mtr. installed heating pipelines</li> <li>• About 130 heaters spread out in different areas of building</li> </ul>
4	Low Voltage Distribution Unit (01 No.)	<ul style="list-style-type: none"> <li>• UPS plants (02 No.) each 60 kVA</li> <li>• Low voltage distribution system for power supply (12 fields)</li> <li>• Gas warning system for CHP rooms and garage</li> <li>• Fire alarm system</li> <li>• ~230 smoke detectors</li> <li>• 2,500 mtr. cable for fire alarm system</li> <li>• Video system/ emergency call system</li> <li>• Security cameras (15 No.)</li> <li>• Loud speakers (100 No.)</li> <li>• 2,300 mtr. data cable with 300 pcs. network sockets</li> <li>• 13,000 mtr. heavy current cable for power supply</li> <li>• 26,000 mtr. weak current cable for measuring and controlling</li> </ul>
5	Building Automation	<ul style="list-style-type: none"> <li>• Comprehensive network information management provides a personal command center to easily manage the most diverse and demanding facilities management system.</li> <li>• Make- JCI</li> <li>• Type- M5iTS</li> <li>• About 1,000 data points in three set of controls (equivalent to modern laboratory or hospital standards)</li> <li>• 14 switch gear cabinets with about 300 fuses</li> <li>• Two building management work stations including one remote work station in Goa</li> <li>• 13,000 mtr. Network cable</li> <li>• About 180 field devices (sensor and actuators) like heating valves and pressure sensing devices for control of plants</li> </ul>
6	Fire Fighting System (01 No.)	<ul style="list-style-type: none"> <li>• In case of fire the fire will be notified by detector of the fire alarm system this signal will be forwarded to the control cabinet of Fogtec system.</li> <li>• Make- Fogtec Brandschutz GmbH</li> <li>• Type- High Pressure water mist system</li> <li>• Fire fighting system for CHP rooms, kitchen and fuel tank room.</li> <li>• Smoke and fire detectors</li> <li>• Flame detectors</li> <li>• Video system for special rooms like medical room, kitchen and corridors</li> <li>• CO2 and foam fire extinguishers</li> </ul>
7	Fuel Farm	<ul style="list-style-type: none"> <li>• Fuel Storage capacity ~300 kL.</li> <li>• Fuel tanks 13 No. each of ~24 kL capacity</li> </ul>

		<ul style="list-style-type: none"> <li>level indicator, overflow protection, leak detector, pressure vacuum relief valves</li> <li>400 mtr. Fuel pipe line outdoor with leak detection</li> </ul>
8	Cold Storage and Air Conditioner	<ul style="list-style-type: none"> <li>6 reefer containers of 20'x8'x8'</li> <li>13 ACs of Fujitsu and Media make. <ul style="list-style-type: none"> <li>4.5 Ton x 2, Make- Midea, Model No-UC-60 INV-R</li> <li>3.5 Ton x 1, Make-Fujitsu/ Inverter Cassette AC , Model No-AUYA-45LCLU</li> <li>2.5Ton x 6, Make- Fujitsu/ VRF System, Model No-ABYA-54LCT</li> <li>1.5Ton x 3, Make- Fujitsu/ Inverter Cassette AC, Model No-AUYF-18LBL</li> <li>1.0Ton x 1, Make- Fujitsu/ Inverter Cassette AC, Model No-AUYF-12LAL)</li> </ul> </li> </ul>
9	Emergency Shelter	<ul style="list-style-type: none"> <li>25 kVA Genset, Make- HATZ, Model No-4H50TIC</li> <li>Electric Boiler, Make- AE HAVEL THERM, Capacity- 300 Ltrs</li> <li>Power supply, heating, lighting, and electrical fixtures</li> </ul>
10.	Miscellaneous	<ul style="list-style-type: none"> <li>Cranes and lifting table <ul style="list-style-type: none"> <li>Electric hoist –Make-Kuli, RS KE U 1032L-4 F45, Lifting Capacity- 3200 kg, Lifting Height- 6m, Lifting Speed- 4.0/0.9 m/min</li> <li>Lifting table –Make- Hymo, DXX30-30/30-18 M4, Capacity-3000 kg</li> <li>Normal headroom monorail hoist DC –Make- Demag, EU 22 DC-Pro10-1250 2/1, Lifting Capacity- 250 kg, Hoist speed- 8 m/min 1/1 reeving</li> </ul> </li> </ul>

**(Along with Undertaking by the Bidder and to be enclosed in Cover-1)**

**Annexure – VI(B)**

**Technical Compliance**

SR. NO	System	Make	Detailed Scope of Maintenance
<b>1.1</b>	<b>Air Conditioning Head Plant</b>		
<b>1.1.1</b>	<b>AHU</b>		
		AL-KO	Air Conveying Units
			Heat Exchangers
		KSB	Rotary type heat exchanger
		TROX	Electric heating for fans / dampers / grilles
		TROX, AL-KO	Air Filters
		Luftbefeuchtung ARNO KLOTZ	Air Humidifiers
			Air Distribution Components
		Esser,JCI	Smoke Exhaust Systems
		Esser	Heat recovery system
		JCI	Control Cabinet, Measuring and Control Equipment as well as Building Automation Systems
		Danfoss	Drives
		JCI (NCE)	Controller
		JCI	Software Programming
			Preventive Maintenance Check of sheet
		Any other related equipment	
<b>1.1.2</b>	<b>VAV</b>		
		Trox	VAV
		JCI	Software Programming
			Preventive Maintenance Check of sheet
		Any other related equipment	
<b>1.2</b>	<b>Sanitary</b>		
<b>1.2.1</b>	<b>Drain Lines</b>		
		GEBERIT	Pipelines and fittings
			Shut-off devices and backflow preventer
		Seepex	Pumps
		KSB	Sewage lifting systems
			Separators
			Inspection, cleaning and collecting shafts
		A-3	Waste Water Treatment (Grey water aerator and membrane are obsolete and non-functional)
		Any other related equipment	

			<b>Drinking Water Supply</b>		
	1.2.2			MMF/A3	Water treatment (reverse osmosis)
				Bewades	Tanks and UV disinfection
				VIEGA Sanpress	Pipelines
					Stop cocks, taps and drain valves
					Safety fittings
					Drinking water heating system (central supply)
					Diaphragm pressure vessel
				KSB, Air Mac	Pump
				MMF/A3	Water meter
				Jäger	Filter
			Any other related equipment		
			<b>Furnishings and Fixtures</b>		
	1.2.3				Washing installations, showers and bathrooms
				Hansgrohe	Taps and fittings
				Keramag	WCs and urinals
					Cisterns
					Flushing valve
			Any other related equipment		
			<b>Gas Supply System</b>		
	1.2.4			Dueperthalsicherheitstechnik GmbH & Co. KG	Supply system for kitchen
				AST Medgastechnik	Medical Gas System
				FOGTEC	High-Pressure Fog System
			Any other related equipment		
			<b>Sauna</b>		
	1.2.5			B+S Finland	Sauna equipment
			Any other related equipment		
			<b>Control Cabinet, Measuring &amp; Control Equipment as well as BMS</b>		
	1.2.6			JCI	Drives
			Any other related equipment		
			<b>WWP</b>		
	1.2.7			Siemens	Controller-Siemens S7-300
				Siemens	Software Programming
					Trouble shooting
					Trand Analysis
					Data History
					Preventive Maintenance
				hachlange	COD/BOD Measurement
				hachlange	Ammonia Measurement
			Any other related equipment		
1.3		<b>Heating</b>			

1.3.1	<b>Heat Generation and Fuel Supply</b>		MAN and Kuntschar + Schluter	Combined heat and power unit (CHP)
			EASYGEN Woodward + JCI	Process Control
			JCI	Automatic Fuel Operation
			Any other related equipment	
1.3.2	<b>Exhaust Gas System</b>		Kuntschar + Schluter	Exhaust gas pipe
			Kuntschar + Schluter	Exhaust gas heat exchangers
			JCI	Instrumentation and control
			Any other related equipment	
1.3.3	<b>Hot Water Preparation</b>		JCI	Domestic Water heater Instrumentation and Controls
			JCI	Seawater heater Instrumentation and Control
			Any other related equipment	
			Any other related equipment	
1.3.4	<b>Pressure Maintenance System</b>		Zilmet	Diaphragm pressure vessel
			Any other related equipment	
1.3.5	<b>Piping system</b>		Grundfoss	Pumps
			Oventrop	Shut-off, balancing and control valves
			Armaturen	Strainers
				Pipelines
			Any other related equipment	
1.3.6	<b>Heating Surfaces</b>			Radiators (panel radiators, convactor heaters)
			Any other related equipment	
1.4	<b>Electrical Power / Telecommunication / Information Systems</b>			
1.4.1	<b>Electrical Power Supply</b>		ESA Elektroschaltanlagen	Main Low Voltage Distribution
			Siemens S7-300	Controller
				Compensating network
			OBO Bettermann GmbH und Co. KG	Earthing
			Any other related equipment	
			Any other related equipment	
1.4.2	<b>Emergency Power Supply</b>		MASTERGUARD Series D	Uninterruptible power supply (UPS)
			Power Safe	Battery and charger
			Any other related equipment	
1.4.3	<b>Control Cabinets</b>			

				Siemens	Control part
				ESA Elektroschaltanlagen	Power part
					Distribution cabinet
				Any other related equipment	
	<b>1.4.4</b>		<b>Lighting Systems</b>		
				TRILUX GmbH & Co. KG + Zumtobel	General lighting
				InotecSicherheitstechnik GmbH	Central and group battery systems - safety lighting system
					Emergency hand lamps
				InotecSicherheitstechnik GmbH	Rescue route marking (electrical)
				Any other related equipment	
	<b>1.4.5</b>		<b>Communication systems</b>		
				Toa	Speaker system
				Kimessa	Gas warning systems
				Honeywell	Video system
				Any other related equipment	
<b>1.5</b>		<b>Building Automation</b>			
	<b>1.5.1</b>		<b>Control Panels</b>		
				S & A	Control part
					Power part
				Any other related equipment	
	<b>1.5.2</b>		<b>Field Equipment</b>		
				JCI	Sensors (sensors, transmitters, transducers, monitors, limiters, etc.)
				JCI	Actuators
					Decentral bus compatible groups (MOD Bus, M Bus)
				Any other related equipment	
	<b>1.5.3</b>		<b>Controls</b>		
				JCI (NCE, FEC, IOM, Romutech and RDC's)	Controller, subcontroller and modules
				Any other related equipment	
	<b>1.5.4</b>		<b>Substation</b>		
				JCI	Substations (NCE; NIE)
				Any other related equipment	
	<b>1.5.5</b>		<b>Data Transmission Equipment</b>		
				JCI	Modems, multiplexer, bus systems, switch, etc.
				Any other related equipment	
	<b>1.5.6</b>		<b>Alarm systems</b>		
				JCI	Alarm panel
				Any other related equipment	

	<b>1.5.7</b>		<b>Software and BMS</b>		
			JCI	Access and authorization	
			JCI	Data saving (user data)	
			JCI	Central processing unit (computer/server/workstation)	
			JCI	Operational equipment (printers, plotters, etc.)	
			JCI	Screen display devices (screens, projectors, web pad, etc.)	
			JCI	Storage devices (disk drives, streamer, CD burner, external memory, etc.)	
			<b>Graphics</b>		
			JCI	M5 Work Station	
			JCI	M-Graphics	
			JCI	User Interface	
			Any other related equipment		
<b>1.6</b>	<b>1.6.1</b>	<b>Cooling</b>			
			<b>Split Units</b>		
			Fujitsu	External unit	
			Fujitsu	Internal units	
			Any other related equipment		
	<b>1.6.2</b>		<b>Emergency Cooling</b>		
			Gunter	Cooling Unit	
			JCI	Instrumentation and Control	
			Any other related equipment		
	<b>1.6.3</b>		<b>Cold Storage &amp; Air Conditioner</b>		
			Silensys and Career	Cooling Unit (+4°C and -20°C)	
			ECP 200 Expert	Instrumentation and Control	
			Fijutsu	Indoor and Outdoor Units	
			Media	Indoor and Outdoor Units	
			Any other related equipment		
	<b>1.6.4</b>		<b>Electrical Equipment</b>		
				Switch and control cabinets	
				Safety devices	
			Any other related equipment		
<b>1.7</b>		<b>Weather Station</b>			
	<b>1.7.1</b>		<b>Weather Station</b>		
			JCI	Controller	
			THIES	Instrumentation	
				Software Programming i.e CCT & SCT	
				Trouble shooting	
				Trend Analysis	
				Data History	
				Preventive Maintenance	
			Any other related equipment		

<b>1.8</b>	<b>Energy Reporting</b>			
				Reporting Energy Consumption
				Benchmarking Energy Requirement
				Optimizing utility costs & Material Use
Any other related equipment				
<b>1.9</b>	<b>Fire</b>			
	<b>1.9.1</b>	<b>firefighting</b>		
			Fogtec	HP- Cylinder Systems
			Fogtec	High Pressure Ball Valve
			Minimax Mobile Services GmbH & Co. KG	Portable fire extinguishers
	<b>1.9.2</b>	<b>fire alarm system</b>		
			Novar GmbH - a Honeywell company	Fire alarm panels
			ESSER	IQ8Control M Fire Alarm Panel
			ESSER	IQ8Control C Fire Alarm Panel
			ESSER	IQ8Quad – O, TD, TM :- Detector
			ESSER	Standard detector base for IQ8Quad
			Novar GmbH - a Honeywell company	Manual call point (804905 - electronic module 704900 - housing 704910 - spare glass)
			ESSER	Loop isolator for transponders
			ESSER	Warning horn
			Helukabel	Fire alarm cable :- JE-H(St)H
		Trox	Fire damper	
	WildeboerBauteile	Fire protection valve		
Any other related equipment				
<b>1.10</b>	<b>Sea Water Intake</b>			
		Moxa Mgate	MOD Bus RTU Interface Automation	
		Wago 750	Physical interface RS 485	
		Grundfos	Submerged pumps	
Any other related equipment				
<b>1.11</b>	<b>Fuel Farm and filling station</b>			
			Control panels, filter system, Leak detectors, Valves, electric actuators, Level indication system, Overfill protection, Temperature transmitter, Man lid (600mm). Gauges, Dipstick, Pressure detectors, Pumps/motors, Flow meter, Hose reel (with motor), inclusive hose and nozzle.	
<b>1.12</b>	<b>Summer Camp</b>			
			Power supply system,	

					Fire and smoke sensors, Heating elements,
<b>1.13</b>		<b>Fuel Pipelines</b>			Leak detectors, Valves, electric actuators, Temperature transmitter, Pressure detectors, Flow meter,
<b>1.14</b>		<b>Electrical Cabling &amp; Laboratories</b>			Arctic grade electric cables upto length of 1.5 km, transformers, switches, UPS, laboratories
<b>1.15</b>		<b>Miscellaneous System</b>			
					CO,CO <sub>2</sub> & NO <sub>2</sub> monitors Cranes and Lifting Table

**Annexure - VII****(To be filled in by the Bidder and to be enclosed in Cover-1)****SPECIMEN BID BOND FOR EARNEST MONEY (Bid Bond Format)**

To be enclosed with cover no 1 if submitted in this form

(The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.  
To be executed on Rs.1000/- non-judicial Stamp Paper).

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

[Bank's Name and Address of Issuing Branch or Office]

**Beneficiary:** \_\_\_\_\_ [Name and Address of Client]**Date:** \_\_\_\_\_**TENDER GUARANTEE No.:** \_\_\_\_\_

We have been informed that [*name of the Bidder*] (hereinafter called "the Bidder") has submitted to you its Tender dated (hereinafter called "the Tender") for the execution of [*name of Contractor*] under Invitation for Tenders No. AL-11019/1/2025. Furthermore, we understand that, according to your conditions, Tenders must be supported by a Bid Bond/ EMD.

At the request of the Bidder, we [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [*amount in figures*] [*amount in words*] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligations(s) under the Tender conditions because the Bidder:

- (a) has withdrawn its tender during the period of tender validity specified by the Bidder in the Form of Tender; or
- (b) having been notified of the acceptance of its Tender by the Client during the period of Tender validity, (i) has failed or refused to execute the Form of Agreement, as required, or (ii) has failed or refused to furnish the performance guarantee in accordance with the Instructions to Bidders.

This guarantee will expire unless otherwise extended under terms of Contract on being informed by the client of the following:

- (c) the Bidder is the successful Bidder, upon our receipt of copies of the Contract signed by the Bidder and the performance guarantee issued to you upon the instruction of the Bidder; or
- (d) if the Bidder is not the successful Bidder, upon the earlier occurrence of
  - (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder; or
  - (ii) twenty-eight days after the expiration of the Bidder's Tender or any extended period thereof;

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

---

*[signature(s)]*

*[Authorization letter from the issuing bank that the signatory of this BG is authorized to do so should also be enclosed]*

## **10.FORMAT FOR PRICE BID (COVER-II)**

**(To be filled in by the Bidder and to be enclosed in Cover-2)**

**PRICE BID FORMAT**

- *Eligible bidder whose sum of Cost for Manpower component (A), Cost of Spare component (B) and Cost of Spares for Subsequent Expansion (C) for a three year period including proposed annual enhancement are minimum shall be considered as L-1 bidder and awarded the Contract.*

**Tender for Onsite operation, Comprehensive maintenance, monitoring and repairs Contract (OMRC) for Bharati-Indian Research Station at Larsemann Hills, Antarctica**

Dated: / / 2026

To,

**The Director  
National Centre for Polar and Ocean Research (NCPOR),  
Ministry of Earth Sciences (Government of India),  
Headland-Sada,  
Vasco-da-Gama,  
GOA - 403804,  
India**

**Subject:** Tender for the work Onsite Operation, Comprehensive Maintenance and Repairs Contract for Bharati - Indian Research Station at Larsemann Hills, Antarctica

Dear Sir,

With reference to your tender number AL-11019/1/2025 , I/We, having examined the document and understood its content, hereby submit my/our lowest financial offer for the aforesaid project. The price Bid is unconditional.

S. No.	Description of work in brief	Quantity	Unit	Indian Rupees (INR)			Percentage
				Rate	Tax	Total with Tax	Annual Increment Proposed on Column (4) (%)
				(1)	(2)	(3)	
A.	<b>Cost for Manpower Component</b>						
	Manpower Deployment: 4 to 6 engineers for one Antarctic season (12 months) and 60 days overlap between incoming and outgoing teams.	01	Lump sum				
B.	<b>Cost of Spare Component</b>						
	<b>(For 12 Months starting on the date of assumption of charge at Bharati Station)</b>						
B.1.	Supply of Spares: Running, preventive and breakdown spares for 12 months and critical redundancy spares for an additional 12 months.	01	Lump sum				
B.2.	One-time replacement of UPS batteries (80 Nos.) Annual Increment Not applicable	01	Lump sum				00.00
C	<b>Cost of Spares for Expansion Component</b>						
	<b>(For 12 Months starting on the date of handover after integration at Bharati Station)</b>						
	Total asset cost of the new addition/expansion to NCPOR is assumed as Rs. 10,00,00,000 (Rs. Ten Crore). Bidder should quote on the basis of Rs. 10 Crore for annual supply of	01	Lump				

<p>spares. Depending upon the cost of the active components of the additions, equivalent percentage shall be payable to the Contractor on pro-rata basis.</p> <p>Handing over the active components of the addition/ expansion (Clause 4.3) to the Contractor for comprehensive or non-comprehensive maintenance shall be at the discretion of NCPOR. There shall not be any changes in the cost of manpower component (A above).</p>						
<p><i>Total In Figure inclusive of taxes.</i></p>						
<p><b>Note</b></p> <ol style="list-style-type: none"> <li>1. The Cost for Manpower Component (A) must <b>not</b> be less than 40% of the Contract Value.</li> <li>2. The Contractor shall deploy a <b>minimum of four (04) engineers and up to a maximum of six (06) engineers</b> for each Antarctic season. The exact number, within this prescribed range, shall be determined by the Contractor based on the operational requirements foreseen for that particular season.</li> <li>3. The <b>contract price shall remain fixed and unchanged</b>, irrespective of whether four, five, or six engineers are deployed in any season.</li> <li>4. <b>Manpower deployment shall be counted from the date of reporting of the engineering team at NCPOR</b> during the onward journey to Antarctica and <b>de-deployment shall be counted up to the date of return to Indian soil</b>.</li> <li>5. Refer Table-3 for the <b>Quality-of-Service parameters, allowable downtime limits and the penalty structure</b> applicable for system restoration and service delivery. Penalties shall be calculated based on the predefined percentage assigned to each service category and applied on a pro-rata (per-day) basis. The <b>penalty value shall be computed against the total contract value, including manpower, spares, applicable taxes, and any approved annual enhancement</b>.</li> <li>6. <b>Mandatory Contract Period: OMRC services</b>—including the supply of qualified, experienced, and capable engineers, along with all necessary spares and consumables <i>excluding Jet A-1 fuel and lubes</i>—shall be provided for a <b>mandatory period of three (03) consecutive Antarctic seasons</b>. This period is subject to satisfactory performance as evaluated by NCPOR. If the Contractor terminates the contract during this mandatory term:</li> </ol>						

- The Performance Bank Guarantee shall stand fully forfeited, and
- All pending payments due to the Contractor shall be forfeited, without prejudice to additional actions NCPOR may deem necessary.

7. **Contract Extension Beyond Mandatory Period:** After successful completion of the three mandatory seasons, the contract may be extended for an **additional two (02) seasons on a 1 + 1 basis, at the same terms and conditions**, subject to mutual written consent of NCPOR and the Contractor.

8. Annual Percentage Increment (Price Escalation): Bidders shall specify **separate annual percentage increments** for the following components: **Manpower Component**, and **Spares Component** (excluding Jet A-1 fuel and lubes).

The annual increment (%) quoted by the bidder for the *Manpower Component* and the *Spares & Consumables Component* shall be applied **on a compounded basis** for each subsequent year of the contract. This means the increment for Year-2 will be calculated on the revised (enhanced) Year-1 amount (**less taxes and levies**) and the increment for Year-3 will be calculated on the revised (enhanced) Year-2 amount.

For clarity:

- **Year-1 Amount** = Base quoted amount
- **Year-2 Amount** = Year-1 Amount + (Year-1 Amount x Annual Increment %)
- **Year-3 Amount** = Year-2 Amount + (Year-2 Amount x Annual Increment %)
- **Year-4 (subject to extension)** = Year-3 Amount + (Year-3 Amount x Annual Increment %)
- **Year-5 (subject to extension)** = Year-4 Amount + (Year-4 Amount x Annual Increment %)
- The date of handing over of the station or completion of 60 days of overlap, whichever is later, shall be the Date of Annual Price Escalation.

9. For bid evaluation, NCPOR will assess the **cumulative escalation over the three-year mandatory period**. The escalation shall **not exceed 10% per year** for either component over the entire three-year duration and subsequent extensions if any. Bids quoting higher escalation shall be treated as **non-responsive and summarily rejected**.

The price quoted above is inclusive of all taxes and levies.

I/We agree to undertake onsite operation, comprehensive or non-comprehensive maintenance (as decided by NCPOR) and repairs Contractor of addition/ expansion/upgradation to any system of the station as per the Clause 4.3.

In witness thereof, I/We submit this financial offer above and in accordance with the terms and condition of the Tender document (AL-11019/1/2025).

Yours truly,

Date:

(Signature of the Authorised Signatory)

Place:

(Name and designation of the Authorised Signatory)

Name and seal of the Applicant/ Lead Firm

## 11. FORMAT FOR AGREEMENT AND SECURITY DEPOSIT

Only the successful Bidder will be required to provide Performance Guarantee / Security deposit in the format (Annexure - IX) and will have to sign an agreement in accordance to Annexure-X.

**Annexure - IX**

**SPECIMEN BANK GUARANTEE PERFORMANCE GUARANTEE/  
SECURITY DEPOSIT**

*[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]*

In consideration of NCPOR [insert name of location] incorporated by the Act as amended by (hereinafter called "the Client" which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include NCPOR of [insert name of location], its successors and assigns) having agreed to exempt \_\_\_\_\_ (Name of the Contractor/s) (hereinafter called the "Contractor") from the demand under the terms and conditions of the Contract, vide \_\_\_\_\_'s (Name of the Department) letter No. \_\_\_\_\_ dated \_\_\_\_\_ made between the Contractors and the Client for execution of \_\_\_\_\_ covered under Tender No. \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter called "the said Contractor") for the payment of Security Deposit in cash or Lodgement of Government Promissory Loan Notes for the due fulfilment by the said Contractors of the terms and conditions of the said Contract, on production of a Bank Guarantee for INR/USD/EUROS \_\_\_\_\_ (INR/USD/EURO \_\_\_\_\_ only). We, the (Name of the Bank and Address) \_\_\_\_\_ (hereinafter referred to as "the Bank") at the request of the Contractors do hereby undertake to pay to the Client an amount not exceeding INR/USD/EURO \_\_\_\_\_ (INR/USD/EURO \_\_\_\_\_ only) against any loss or damage caused to or suffered or which would be caused to or suffered by the Client by reason of any breach by the Contractors of any of the terms and conditions of the said Contract.

2. We, \_\_\_\_\_ (Name of Bank), \_\_\_\_\_ (Name of Branch), do hereby undertake to pay the amounts due and payable under this guarantee without any demur merely on a demand from the Client stating that the amount claimed is due by way or loss or damage caused to or which would be caused to or suffered by the Client by reason of any breach by the Contractors of any of the terms and conditions of the said Contract or by reason of any breach by the Contractors of any of the terms and conditions of the said Contract or by reason of the Contractors failure to perform the said Contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to any amount not exceeding \_\_\_\_\_ Euros \_\_\_\_\_ (Euros \_\_\_\_\_ only).

3. We, \_\_\_\_\_ (Name of Bank and Branch) undertake to pay to the Client any money so demanded notwithstanding any dispute raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto; our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, \_\_\_\_\_ (Name of Bank and Branch) further agree with the Client that the guarantee herein contained shall remain in full force and effect during the period that would be taken for performance of the said Contract and that it shall continue to be enforceable till all the dues of the Client under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged or till the client, namely \_\_\_\_\_ (Name of the user department) of the said Contract that the terms and conditions of the said Contract have been fully and properly carried out by the said Contractors and accordingly discharge this Contract PROVIDED HOWEVER that the Bank shall at the request of the Client but at the cost of the Contractors, renew or extend the guarantee till such further period or periods as the Client may require from time to time.

5. We, \_\_\_\_\_ (Name of Bank and Branch) further agree with the Client that the Client shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend the time of performance by the said Contractors from time to time or to postpone for any time or from time to time any of the powers exercisable by the Client against the said Contractors and to forebear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation or extensions being granted to the Contractors or for any forbearance, act or omission on the part of the Client or any indulgence shown by the Client to the Contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. It is also hereby agreed that the Courts in *Goa, India* would have exclusive jurisdiction in respect of claims, if any, under this Guarantee.

8. We, \_\_\_\_\_ Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Client in writing.

9. "Notwithstanding anything contained herein:

- a) Our liability under this Bank Guarantee shall not exceed Euros \_\_\_\_\_ (Euros \_\_\_\_\_ only);
- b) this Bank Guarantee shall be valid upto \_\_\_\_\_, and;
- c) we are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before \_\_\_\_\_ (date of expiry of Guarantee- 60 days after the expiry of the validity period i.e. 9 b))."

Dated \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

For (Name of Bank)

(Name)  
Signature

(To be executed on non-judicial Stamp Paper of prescribed value)

## **SPECIMEN CONTRACT AGREEMENT**

*[The successful Bidder shall fill in this form in accordance with the instructions indicated].*

THIS CONTRACT AGREEMENT is made on this *[insert: **number**]* day of *[insert: **month**]*, *[insert: **year**]*

BETWEEN

- (1) The National Centre for Polar and Ocean Research *[insert name of the location]*, an Autonomous Body of the Ministry of Earth Sciences of the Government of INDIA, established, under the Laws of India and having its principal place of business/work at Headland Sada, Vasco da Gama, Goa, India 403804 {hereinafter called "the Client"}; and
- (2) *[Insert name of Contractor]*, incorporated under the laws of *[insert: country of Contractor]* and having its principal place of business at *[insert: address of Contractor]* (hereinafter called "the Contractor").

WHEREAS the Client invited Tenders against Tender No. AL-11019/1/2025 for execution of Onsite Operation, Comprehensive Maintenance and Repairs Contract of Bharati - Indian Research Station at Larsemann Hills, Antarctica viz., and has accepted a Tender by the Contractor in accordance with the supply / delivery schedules, in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* [hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Client and the Contractor, and each shall be read and construed as an integral part of the Contract.]
  - (a) This Contract Agreement
  - (b) General Conditions of Contract
  - (c) Technical Requirements (including Schedule of Requirements and Technical Specifications, drawings).
  - (d) Notice Inviting Tender
  - (e) The Contractor's Bid and original Price and Delivery Schedules.
  - (f) The Client's Notification of Award
  - (g) *[Correspondence the Client had exchanged with the bidder till and after award of Contractor [specific letters and dates]*
  - (h) *and [Add here any other document(s)]*

AND WHEREAS CLIENT accepted the Bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in CONTRACT upon the terms and subject to the

Conditions of Contract. Now this CONTRACT AGREEMENT witness and it is hereby agreed and declared as follows:

3. In consideration of the payment agreed to be made to CONTRACTOR upon WORK being executed by him, CONTRACTOR hereby Covenants with CLIENT that CONTRACTOR shall and will duly provide, execute and complete Work and things in CONTRACT, mentioned or described or which are to be implied there from or may be reasonably necessary for completion of Work and at the times and in the manner and subject to the terms and conditions or stipulations mentioned in CONTRACT.
4. In consideration of the due provision, execution and completion of WORK by the CONTRACTOR in accordance with the terms of the CONTRACT, the CLIENT does hereby agree with CONTRACTOR that CLIENT will pay to Contractor the respective amounts for the work actually done by him and approved by CLIENT as per Payment Terms accepted in CONTRACT and payable to CONTRACTOR under provision of Contract at such time and in such manner as provided for in the CONTRACT.

AND

5. In consideration of the due provision, execution and completion of WORK, CONTRACTOR does hereby agree to pay such sums as may be due to CLIENT for the services rendered by CLIENT to Contractor as set forth in CONTRACT and such other sums as may become payable to CLIENT towards loss, damage to the CLIENT equipment, materials etc., and such payments shall be made at such time and in such manner as is provided in the CONTRACT.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of India on the day, month and year indicated above.

For and on behalf of the CLIENT

Signed: [insert signature]

In the capacity of [insert tile or other appropriate designation]

In the presence of [insert identification of official witness]

For and on behalf of the Contractor

Signed: [insert signature of authorized representative(s) of the Contractor]

In the capacity of [insert tile or other appropriate designation]

In the presence of [insert identification of official witness]

To be filled-in and signed by the bidder and partners of JVs and submitted along with the Technical Bid (Cover-1)

## **PRE-CONTRACT INTEGRITY PACT**

### 1. General

This contract Agreement (hereinafter called the Integrity Pact) is made on \_\_\_\_\_ day of the month of \_\_\_\_\_ 2026, between, on one hand, the Director, National Centre for Polar & Ocean Research, Headland Sada, Goa, India (hereinafter called the “CLIENT” or “PRINCIPAL” expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part \_\_\_\_\_ a Company duly incorporated under the Laws of \_\_\_\_\_ represented by Mr. \_\_\_\_\_, Director, (hereinafter called the “BIDDER” which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the PRINCIPAL enters into an agreement (hereinafter called the ‘CONTRACT’) with the CONTRACTOR to provide helicopter support to the Indian Scientific Expedition to Antarctica (herein after called the ‘Charter Party’ which expression shall mean and include, unless context otherwise requires) as per the details of the CONTRACT.

WHEREAS the BIDDER is a private company / public company / Government undertaking / partnership / registered export agency, constituted in accordance with the relevant law in the matter and the PRINCIPAL is an autonomous R&D institute under Ministry of Earth Sciences, Government of India performing its functions in oceanographic and polar research.

NOW, THEREFORE,

To avoid all forms of corruptions by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-

Enabling the PRINCIPAL to obtain the ‘Charter Party’ at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDER to abstain from bribing or indulging in any corrupt practice and the PRINCIPAL will commit to prevent corruption, in any form, by its officials by following transparent procedures:

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

## 2. Commitments of the PRINCIPAL

2.1 The PRINCIPAL undertakes that no official of the PRINCIPAL, connected directly or indirectly with the CONTRACT, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the CONTRACT in exchange for an advantage in the contracting or implementation process related to the CONTRACT.

2.2 All the officials of the PRINCIPAL will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.3 In case any such preceding misconduct on the part of such official(s) is reported by the CONTRACTOR to the PRINCIPAL with full and verifiable facts and the same is prima facie found to be correct by the PRINCIPAL, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the PRINCIPAL and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the PRINCIPAL the proceedings under the contract would not be stalled.

## 3. Commitments of BIDDER

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage and in particular commit itself to the following:-

- 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the PRINCIPAL, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the CONTRACT in exchange for any advantage in contracting and implementation of the CONTRACT.
- 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the PRINCIPAL or otherwise in procuring the CONTRACT or forbearing to do or having done any act in relation to the obtaining or execution of the CONTRACT or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the CONTRACT or any other contract with the Government.
- 3.3 BIDDER shall disclose the name and address of agents and representatives in India.
- 3.4 BIDDER shall disclose the payments to be made by them to agents / brokers or any other intermediary, in connection with this CONTRACT.
- 3.5 The BIDDER further confirms and declares to the PRINCIPAL that the BIDDER is the original manufacturer / integrator / aviation service provider and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the PRINCIPAL or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or comp BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the OWNER or their family members, agents, brokers or any other intermediaries in connection with the CONTRACT and the details of services agreed upon for such payments.
- 3.6 The BIDDER will not collude with other parties to impair the transparency, fairness and progress of the contracting and implementation of the CONTRACT.
- 3.7 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.8 The BIDDER shall not use improperly, for the purposes of competition or personal gain, or pass on to others, any information provided by the PRINCIPAL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged. “Bidders not to commit any offence under PC/IPC Act” (Prevention of corruption act/ Indian Penal Code).

- 3.9 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.10 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.11 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the PRINCIPAL, or alternatively, if any relative of an officer of the PRINCIPAL has financial interest / stake in the BIDDER's firm, the same shall be disclosed by the BIDDER. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.
- 3.12 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the PRINCIPAL.

#### 4. Previous Transgression

- 4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.
- 4.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

#### 5. Performance Security Bond

- 5.1 The BIDDER shall submit a Performance Security Bond equivalent to 5% of the CONTRACT value within 15 days of Letter of Intent / signing the CONTRACT
- 5.2 The Performance Bond shall be valid for a period of 60 days beyond the date of completion of all contractual obligations including Warranty Period and be suitably extended as requested by PRINCIPAL as per the CONTRACT.
- 5.3 A clause would also be incorporated in the Article pertaining to Performance Bond in the CONTRACT that the provisions of Sanctions for violation shall be applicable for forfeiture of Performance Bond in case of a decision by the PRINCIPAL to the forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 5.4 No interest shall be payable by the PRINCIPAL to the BIDDER on Performance Bond for the period of its currency.

#### 6. Sanctions for Violations

- 6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the PRINCIPAL to take all or any one of the following actions, wherever required:-
- 6.1.1 To immediately call off the CONTRACT without assigning any reason or giving any compensation to the BIDDER.
  - 6.1.2 Forfeiture of the Performance Security Bond either fully or partially, as decided by the PRINCIPAL and the PRINCIPAL shall not be required to assign any reason therefore.
  - 6.1.3 To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
  - 6.1.4 To recover all sums already paid by the PRINCIPAL, with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the PRINCIPAL in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
  - 6.1.5 To encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the PRINCIPAL, along with interest.
  - 6.1.6 To cancel all or any other contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the PRINCIPAL resulting from such cancellation/rescission and the PRINCIPAL shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
  - 6.1.7 To debar the BIDDER from participating in future bidding processes of the Government of India for minimum period of five years, which may be further extended at the discretion of the PRINCIPAL.
  - 6.1.8 To recover all sums paid in violation of this pact by BIDDER(s) to any middleman or agent or broker with a view to securing the CONTRACT.
  - 6.1.9 In cases where irrevocable Letters of Credit have been received in respect of any contract signed by PRINCIPAL with the BIDDER, the same shall not be opened.
  - 6.1.10 Forfeiture of Performance Bond in case of a decision by the PRINCIPAL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.
- 6.2 The PRINCIPAL will be entitled to take all or any of the actions mentioned at para 6.1.1 to 6.1.10 of this Pact also on the Commission by the BIDDER or anyone employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in

Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

- 6.3 The decision of the PRINCIPAL to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BUILDE can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Fall Clause

- 7.1 The BIDDER undertakes that it has not provided / is not providing similar Air Support Services at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems/ services or sub systems/ services was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the different in the cost would be refunded by the BIDDER to the PRINCIPAL, if the CONTRACT has already been concluded.

8. Independent Monitors

- 8.1 The PRINCIPAL has appointed following two Independent Monitors (hereinafter referred to as Monitors) through Ministry of Earth Sciences:

8.1.1 Sh. Ajay Kumar Lal, IRAS (Retd.), DDA, HIG 3A/101 A, Motia Khan (Near Jhandewalan Temple), D.B. Gupta Road, New Delhi-110015  
(Email: ajay\_k\_lal@yahoo.com, Mobile No-9560712003)

8.1.2 Sh. Pavan Kumar Jain, IDSE (Retd.) A-402 Shree Ganesh Apartment. Plot No-12B, Sector-7, Dwarka New Delhi-110075  
(Email:mespkj@gmail.com, Mobile No-9313498388)

- 8.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

- 8.3 The Monitors shall not be subjected to instructions by the representatives of the parties and perform their functions neutrally and independently.

- 8.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

- 8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the PRINCIPAL.

8.6 The BIDDER accepts that the Monitor has the right to access without restriction to all Project documentation of the PRINCIPAL including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub BIDDERS. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Sub BIDDERS with confidentiality.

8.7 The PRINCIPAL will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

8.8 The Monitor will submit a written report to the designated Authority of PRINCIPAL / Secretary in the Ministry within 8 to 10 weeks from the date of reference or intimation to him by the PRINCIPAL / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the PRINCIPAL or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

10. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the PRINCIPAL.

11. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

12. Validity

12.1. The validity of this Integrity Pact shall be from date of its signing and extend upto \_\_\_\_\_ years or the complete execution of the CONTRACT to the satisfaction of both the PRINCIPAL and the

BIDDER, including warranty period, whichever is later. In case Bidder is unsuccessful, this integrity pact shall expire after 6 months from the date of the signing of contract.

12.2. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13. The parties hereby sign this Integrity Pact at Vasco-da-Gama on \_\_\_\_\_ 2021.

SIGNED:	
<p>For and on behalf of the PRINCIPAL National Centre for Polar &amp; Ocean Research</p> <p>Name: Title:</p>	<p>BIDDER For and on behalf of the "BIDDER"</p> <p>Name: Title: DIRECTOR</p>
Witness:	
1. _____	1. _____

**Annexure - XII(A)****List of regularly used spares and consumables  
to be handedover to NCPOR by the Contractor**

<b>S. No.</b>	<b>Item</b>	<b>Minimum all-time Stock</b>	<b>UOM</b>
1	CHP Lube Oil filter	36	No.
2	Fuel Filter	72	No.
3	CHP Air Filter	36	No.
4	CHP Cylinder Head Gasket	216	No.
5	Fuel pre filter	36	No.
6	Fuel Injector	18	No.
7	CHP Battery	3	No.
8	Terbo Charger	3	No.
9	CHP Cylinder Head	6	No.
10	External Hex Round Bolt (M15x2x268 mm)	12	No.
11	External Hex Round Bolt (M15x2x144 mm)	18	No.
12	External Hex Round Bolt (M15x2x109 mm)	6	No.
14	Valve Guide Normal	12	No.
15	Valve Cotter 1-Groove	24	No.
16	Seal Valve Stem DN25/28	12	No.
17	Spring Valve Inner	12	No.
18	Spring Valve Outer	12	No.
19	Washer 20.3x30x0.5	6	No.
20	CHP Starter Pinion Greasing	150	Gms
21	Ethylene Glycol	200	Ltrs
22	Bag Filter	24	No.
23	5 micron Filter	48	No.
24	50 Microm Filter	72	No.
25	Sodium Hypochloride	6000	ml
26	Dry Bacteria	6000	Gms
27	Anti-Scalant Vitec-3900	18000	ml
28	Sulphuric Acid	9000	ml
29	Resin	600	kg
30	Acidic and Basic Powder	10	kg
31	Low and high Ph powder	12	kg
32	2" Monitor element fuel farm	8	No.
33	Faudi Coaleser	2	No.
34	Faudi Seperator element	2	No.
35	Ethanol	200	ml
36	Grease for Macerator	1200	gm
37	Grease for Screw Pump	200	gm
38	Lubrication Oil for Decanter	100	ml
39	Grease for Decanter	800	gm
40	CFL	48	No.
41	CFL Blast	24	No.
42	Tube Light	24	No.

43	MBR Membrane	2	No.
44	MBR Membrane tank Diffuser	6	No.
45	MBR Blower Filter	2	No.
46	80W UV Lamp	2	No.
47	RO Membrane	6	No.
48	AHU Filter (Supply, Exhaust and Medical)	2	Set
49	Fire Alarm Panel Battery (12 volt 24 AH)	2	No.
50	Emergency light battery	12	No.
51	Sea Water Intake Pump (Make: Grundfos, SP3A-12N 400Y RP11/4" MS4000R 0.75KW, Part Code: 10201912)	1	No.
52	AHU Mesh (Part No: 103-595/295-753)	1	Set
53	Fire Extinguisher	10	No.
54	Defoamer	800	ml
55	Calcite on RO system	25	kg
56	Nitrogen for Fuel Pipeline	20	kg
57	Smoke intake System Filter	2	No.
58	Propylene Glycol	200	Ltrs
59	Paraffin Oil	3.5	Ltrs

**List of breakdown spares and consumables  
to be handedover to NCPOR by the Contractor**

<b>S. No.</b>	<b>Spare Parts Description</b>	<b>Minimum all-time Stock</b>	<b>UOM</b>
1	O-Ring (CHP)	1	No
2	Breather Connecting Tubes	2	ft
3	1.5 inch Brass Valve	2	No
4	Fuel Flow Meter (CHP)	1	No
5	Magnetic Float Level Switch	1	No
6	Elastomer Lip (CHP)	1	No
7	Two way Automatic Valve with J3 L20 (RO)	1	No
8	Fuse Link (MLVD)	6	No
9	High Pressure Pump (RO)	1	No
10	SS Valve	1	No
11	Prestabo sleeve 28 mm	2	No
12	Prestabo bend 28 mm 90d	2	No
13	HMI Display MB Panel Base 10.4 TFT VGA	1	No
14	DEmag Remote for Master station Crane	1	No
15	Helipad SMPS (Meke: Phoenix Contact, Model No: Quint PS/3AC/24DC/20)	1	No
16	STP Plant Actuator valve (DN25, Make: End Armature, Type: NA005)	1	No
17	Lab Toilet Lifting Pump (Crusing Pump, Make: Sulzer, Model ABS Piranhamat120)	1	No
18	STP Filtration Pump VFD (Make: Mitsubishi, Model: FR-D740-036SC-EC)	1	No
19	AHU Return Fan Timmer Relay (Make: Finder, Part No: 85.04.8.240.0000)	2	No
20	AHU Humidifier Pump (Make: BRINKMANN PUMPS, Model: D-58791 werdohl, Type: KTF 25/120 FTX+402)	1	No
21	AHU Humidifier Supply line Solenoid Valve ( Make: Burkert, Model No: 00251771)	2	No
22	Sea Water Intake storage tank Sensor's Power Supply (Make: Phoenix Contact, Mini Power-100-240AC/24DC/1)	1	No
23	Fuel Farm Pump A1 (Make: ABB, Type: M3KP 100LB 4 IMB3/IM1001, 3 Phase motor)	1	No
24	Workshop Lifting Pump Float (Make: Sulzer, NRV 1/2 inch)	1	No
25	STP Manual motor starter (Make: ABB, Model: MS116-1.6)	1	No
26	CHP3 Cooling water outlet temperature sensor (Make: JUMO, Part Code: 902230/40-1-415-1003)	2	No

27	AHU Humidity Sensor (Make: JCI, Model: HT-9000-UD2)	1	No
28	Toilet flushing pump 12.5 microFarad Capacitor	1	No
29	Workshop Lifting Pump (Make: ABS, Type: ROBUSTA 202 W/TS)	1	No
30	CHP Cooling Water Pressure Sensor (Model No: 0340008 Pmax-6bar)	1	No
31	RO Dosing Pump (Make: ILT Constructions GmbH, Model: Pump KMSADC 200, 5EP, 230V AC, Code-KAD200,5P0000G02A000)	1	No
32	Fuel farm I/O Module (Make: Siemens, Model: SITOP PSE200U 3A, 6EP1961 -2BA11)	1	No
33	De aeration line Extract Blower (Make: Helios, Type: SB 125 A, Art No: 09506001 PC06319)	1	No
34	Grey Water reuse tank pump (Make: Grundfos)	1	No
35	Fogtec System Nitrogen Cylinder	2	No
36	Kitchen Basin Hose with Handle	1	No
37	AC Capacitor, Tecumseh Europe, 864165, 156 M F, 330V	1	No
38	Stater 24V, Make MAN, Model 51.262017123/7137.	1	No
39	Decanter Lifting pump, Make: Sulzer, Model: ROB202-TS-W01*3-P-SANIMAX	1	No
40	Humidifier solenoid valve, Make: Burkert, Model: 6213EV, Rating: 230V 50Hz 8W, G1/2, PN 0-10Bar).	1	No
41	CHP Glycol metallic hose Part No SF KC1504969/1 DN 50). 1 no's	1	No
42	CHP Air circuit breaker (Model No: 3 pole ETU20 LSI In=250A 55kA/415V AC Instar Ord No: 3ZX10120VL301AA1, 3VL3725-1SE33-OAD1-Z Make: Siemens)	1	No
43	Humidifier: UV tube driver Make: SterilAqua, Model No: [ 3-UVC 2036-2K]	1	No
44	SOC 1 BMS Sub Controller, Controller, Make: JDB 8010	1	No
45	Fogtec: Thermistor-Machine protection relay (Make-EATON, Model-EMT6)	1	No
46	Lube Oil Cooler Cover Gasket, Make MAN, Model No: 51.05901-0122	1	No
47	Sea Water Tank Level Sensor: Fischer, Model: NB1018200A99	1	No
48	Phase Sequence Monitoring Relay (PSMR) with Model No. EMR4-F500-2	1	No
49	Drain Pipe Coupling Kit for Toilet Washbasin: (Hansgrohe, Part No: 94139000 )	1	No
50	Smoke intake System Filter	2	No

51	RO Pit Tank Pump, Grundfos, Model: KP350	2	No
52	Toilet Washbasin Drain pipe, PVC siphon (make: viega, part no: 7985.60)	1	No
53	Trace Heating Cable	100	Mtr
54	AHU Return Air Fan VFD, VFD ( make: Danfoss, part no.13U0980, 2.2KW, 400V):	1	No
55	LPG Gas Solenoid Valve, Solenoid Valve (Make: BENDER, Model: 00184238)	1	No
56	Lifting Pump, pump (Make: Sulzer, Type: ROBUSTA 202 W/TS)	2	No
57	CHP RPM/speed sensor (Make:Motortec, part no:63.60.002-50)	1	No
58	Fresh Water Buffer Tank level sensor (Make: Fischer, Partno:110129)	1	No
59	MBR Detector contactor (make: ABB, part no: AF09-30-10-11)	1	No
60	Bathroom Shower Hose(make:Grohe part no,28410000)	2	No
61	Pressure gauge: 0-6 bar	1	No
62	Sea Water tank to Heat Exchanger Valve, Make Viega	1	No
63	RO Needle Valve	1	No
64	Washer ring of Static Heater, Part No: 1016845	1	No
65	Kitchen Hood System Power Supply, Make: Halton	1	No
66	R404 A refrigerant gas	6	kg
67	VFD (Make: Mitsubishi, Model: Model No-FR-D740-120-EC)	1	No
68	Thermocouple (Make: ABB, Model No- Universal thermocouple, signal converter,CC-U/TC; Part No-1SVR04004R0700,Power Supply-M/K;DC-24V-48V)	1	No
69	RVA motor start potential relay (Freezer Outdoor Unit +4/-18), Part No-565412(RVA4Q3O 370 L811)	2	No
70	Contactor (Make: ABB, Model: Model No-AF09-30-10-11/24-60 Volt, 50 Hz, 25 Amp)	2	No
71	Alarm and Monitoring module for IQ8TAM (Make: Esser, Model: Part No-804870)	1	No
72	16 Port Network Switch, Make: Netgare	1	No
73	Power Supply 24V DC 01 amp(Make: Phoneix Contact, Model: MINI-PS-100-240AC/24DC/1)	2	No