

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	25-08-2025 17:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	25-08-2025 17:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Earth Sciences
विभाग का नाम/Department Name	Department Of Earth Sciences
संगठन का नाम/Organisation Name	National Centre For Antarctic And Ocean Research (ncaor)
कार्यालय का नाम/Office Name	Goa
कुल मात्रा/Total Quantity	2
वस्तु श्रेणी /Item Category	Hydro met Observational unit
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Hydro-met Observational
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Intense Hydro MEC Powder, HYDRO ETHYLIDENE DI PHOSPHONIC ACID (HEDP) for ONGC, Methyl 4 Hydroxybenzoate (Methylparaben), Office Chair (V3), Methyl Salicylate, Hydroxyl amine hydrochloride, Liquid Hydrogen Sulphide Scavenger (ONGC), Hydrogen Gas as per IS 1090, Common Salt For Chemical Industries (V2) Conforming to IS 797, Density Hydrometers
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> • HYDRO ETHYLIDENE DI PHOSPHONIC ACID (HEDP) for ONGC • Methyl 4 Hydroxybenzoate (Methylparaben) • Intense Hydro MEC Powder
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Exemption for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Exemption for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Certificate (Requested in ATC), Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय-सीमा बढ़ाने के लिए आवश्यक न्यूनतम सहभागी विक्रेताओं की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	3 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	80000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	14

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document

for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

Director, NCPOR
National Centre for Polar and Ocean Research (NCPOR), Head Land Sada, Vasco-Da-Gama, Goa-403804
(Director, Ncpor)

विभाजन/Splitting

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	Yes
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for

compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

Hydro Met Observational Unit (2 set)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Pradeep Kumar Singh	403804,Director National Centre for Antarctic Ocean Research Headland Sada, Vasco-da-gama,	2	90

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Site 1:
Gepang Gath Glacier, at the outlet of the proglacial lake.

Site 2:
Samundra tapu glacier, at the outlet of the proglacial lake.

3. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

- 1) Bidders to provide compliance on Technical Specifications (attached in Buyer Added Bid Specific ATC below) along with the Product Catalogue/Data Sheet of the product(s) offered in the bid. Buyers can match and verify the Product Catalogue/Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection

- 2) Bidders are required to submit completed BIDDER DETAILS FORM (attached in Buyer Added Bid Specific ATC below) along with the necessary documents, which include company information and bank account details for the vendor registration process.
- 3) The Bidder/OEM should have previous experience supplying similar products to Central or State governments, Public Sector Undertakings (PSUs), or any reputable organizations for at least five (5) financial years prior to the bid opening date. The bidder should provide copies of relevant contracts and delivery acceptance certificates, such as Order Completion Certificates or GeM Consignee Receipt Cum Acceptance Certificates (CRAC), to meet the experience criteria.
- 4) The bidder should have Average Annual Turnover of Rs 20 Lakh above & OEM Average Turnover Rs 100 Lakh above, for last 3 years. CA certified / Audited balance sheet & ITR ending March 2025 and should be submitted in the Technical Document.

4. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

5. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

6. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

7. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

8. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

9. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

10. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

11. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

The Director, National Centre for Polar and Ocean Research
payable at
SBI, Vasco-Da-Gama

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

12. **Forms of EMD and PBG**

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

The Director, National Centre for Polar and Ocean Research

. The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

13. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

The Director, National Centre for Polar and Ocean Research

Account No.

10153336180

IFSC Code

SBIN0004116

Bank Name

State Bank of India

Branch address

SBI Commercial Branch, Vidhyadhiraj Bhavan, F L Gomes Road, Vasco Da Gama, GOA-403802.

. Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

14. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

15. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

16. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

17. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

The Director, National Centre for Polar and Ocean Research

payable at

SBI, Vasco-Da-Gama

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

18. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

The Director, National Centre for Polar and Ocean Research
Account No.
10153336180
IFSC Code
SBIN0004116
Bank Name
State Bank of India
Branch address

: SBI Commercial Branch, Vidhyadhiraj Bhavan, F L Gomes Road, Vasco Da Gama, GOA-403802.

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

19. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

The Director, National Centre for Polar and Ocean Research
A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase

Preference sections of the bid, unless otherwise allowed by GeM GTC.

16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---

	ITEM SPECIFICATIONS	Compliance (Yes/No with documentary evidence)	Remarks (if any)
	Supply of Hydro-Met Observation Unit – QTY. 02 No.		
1	Description Hydro-Met Observation Unit Make: Model:		
2	Technical specifications of contactless integrated automatic meteorological, water level and surface velocity measurements monitoring system "Hydro-met Observational Unit".		
3	Integrated contactless water level and surface velocity for discharge measurements and meteorological sensors along with a data logger.		
4	The data logger should be capable of calculating discharge and have the facility to do all the calculations using the Cross-Section details and input from the Water level and flow		
5	It should be easy to mount including meteorological sensors.		
6	The Hydro-met Observational Unit will be installed in the western Himalayan glacier catchment in a high-altitude area (above 4000 to 5000 m a.s.l.), so the system should be able to withstand harsh climatic conditions.		
7	Data logger:		
8	The data logger is explicitly designed for Hydrological and meteorological monitoring applications.		
9	Processor: shall be microprocessor-based with at least 120MHz or better for lag-free operation of the system		
10	The units and frequency of measurements should be user-defined.		
11	The system should have the inbuilt facility to continuously store complete data at 1-minute intervals for a minimum duration of 1 year.		
12	It should also be possible to download the stored data on a micro-SD card and USB flash memory, including date and time information		
13	It should be expandable up to 4GB data storage		
14	Also, it should have facility to download data with date and time on mobile phone via application and laptop using software via wi-fi in local area network without needing internet.		
15	Data Table: The data logger shall have the facility to create multiple data tables, i.e. 1 minute, 15 minutes, 60 minutes and Daily tables, to get the real-time and averaged data over a particular period.		
16	Analog Inputs: 4 or more with at least 0 to +2000 mV or higher and +/- 35mV or lower to accurately read any analogue radiation and heat flux sensors directly in future.		
17	ADC Resolution: 24 bit		
18	SDI-12 Input: 2 ports or more.		
19	Digital Input Type: - Pulse counter / Frequency counter and shall be able to be configured to use pulse channel as frequency and vice versa		
20	Minimum Scan Rate of Datalogger: 10 Hz		
21	The data logger should have multiple on board communication facilities, including RS 232, USB, Ethernet or Wi-fi.		
22	The Datalogger should be provided with GSM/GPRS modem and IoT communication.		
23	Datalogger should be able to monitor the voltage and current measurements for inputs, battery, and system.		
24	Operating Temperature range: -40°C to +50°C or better		
25	The enclosure should be made of composite material for protection from dust and moisture (rain, wind, etc.) and any other physical or electronic damage		
26	The data acquisition software should be capable of multiple views, such		

	as graphical, text, Excel/spreadsheet, etc.		
27	Data logger should be CE Compliant.		
28	Hydrological monitoring system		
29	(i) Water level		
30	Measuring range, distance to water surface: 0.4 to 30 m		
31	Sampling Rate: 10 samples per second or better		
32	Accuracy: ± 3 mm for the least range of 2 to 30 meters or better;		
33	Measuring time: 30 seconds or better		
34	Operating temperature: -40 to +50 °C		
35	Power consumption in active mode (at 12 V):<130 mA or better		
36	IP Protection: IP68		
37	(ii) Velocity Sensor		
38	Velocity Range: 0.05 to 15 m/s (Depending on river flow conditions) or better		
39	Detection distance: 0.4 to 30 m		
40	Sampling Rate: 10 samples per second or better		
41	Velocity Accuracy: $\pm 2\%$		
42	Velocity Resolution: 0.1 mm/s		
43	Operating temperature: -40 to +50 °C or better		
44	Power consumption in active mode (at 12 V):<130 mA or better		
45	IP Protection: IP68		
46	Meteorological monitoring system		
47	(i) Air Temperature and Relative Humidity Sensor		
48	Application Range: -40 to 50 °C, 0 to 100 % RH or better		
49	Accuracy: $\pm 0.4^{\circ}\text{C}$ or better (over the range -40 to +70°C), $\pm 5\%$ RH or better,		
50	Resolution: 0.01°C , 0.01% RH		
51	Sensor Should be supplied with a multi-plate radiation shield.		
52	(ii) Wind Speed and Wind Direction		
53	Sensor Type: Ultrasonic transducers – non-moving parts		
54	Operating Temperature: -40° to +50°C or better		
55	Wind direction Range: 0-360°		
56	Wind Direction Accuracy: $\pm 2^{\circ}$ RMS at 10 m/s		
57	Wind Speed Range: 0 - 60 m/s.		
58	Wind Speed Resolution: 0.1 m/s or better		
59	Wind Speed Accuracy: 0.2 m/s at 10 m/s		
60	Power consumption: <30 m A at 12 VDC or better		
61	(iii) Tipping bucket Rain Gauge		
62	Sensor Type: Tipping bucket with magnetic reed switch		
63	Material: Anodized aluminium or stainless steel		
64	Operating Temperature Range: 0° to 50°C		
65	Resolution: 1 tip		
66	Volume per Tip: 7 ml/tip or more		
67	Rainfall per Tip: 0.2 mm or better		
68	Accuracy: ± 1 percent up to 35-55/h		
69	Output: 0.1-sec switch closure		
70	Power supply: Battery pack & Solar panels with sufficient backup to operate continuously in cold remote environments throughout the year.		
71	Max 100 Watts of solar panel and 65 AH battery with enclosure for weather protection.		
72	Surge Protection: Short circuit and overload protection.		
73	Tower and mast: It should include mounting enclosures (IP 65/66) for field installation (Sensor and Data logger) and all required accessories for mounting the sensor with an adjustable cantilever (preferably using GI Pipe) for moving the sensor according to the width of the stream at high altitude remote locations and design will be finalised after mandatory site		

	inspection at the installation site before the installation.		
74	Training and Installation: Training should be provided on the operation and maintenance of the station.		
75	The scope of the supply should include installation (including masonry work, cantilever structures, and civil works) and demonstration at field sites.		
76	Firms with prior experience in maintaining discharge stations in high altitude Himalaya will be preferred.		
77	Tool-Kit:		
78	A set of complete tool kit, along with a carrying box for each unit, should be provided by the vendor.		
79	The tool kit should have all the equipment to open or re-fix the sensors		
	LAPTOP Make: Model No.		
80	The instrument should come with a Laptop for onsite repairing/ replacement/ troubleshooting of sensors and data logger with the following minimum requirement: 15" display, 5-6-hour battery backup, Intel i7 or equivalent processor with 500 GB SSD hard disk and 16 GB RAM.		
81	The laptop must have updated the necessary software to operate the systems.		
82	Warranty:		
83	1 year comprehensive onsite from the date of installation and acceptance against any manufacturing defects		
84	Special Terms & Conditions		
	a) A valid authorization letter from the manufacturer or OEM self-declaration should be provided with the tender.		
	b) OEMs shall provide tender-specific manufacturer's authorization certificates for the third-party products they are bidding on in this tender.		
	c) Vendors claiming other makes of products of their own make and producing the technical catalogue on behalf of the original manufacturer shall be liable to the rejection.		
	d) The Bidder/OEM should have prior experience in the supply of similar products to the Central/State government/PSU/Any Reputed Organization in the past 5 years ending March 2025. Provide Order Completion Certificates or GeM Consignee Receipt Cum Acceptance Certificate (CRAC) as valid proof for meeting the experience criteria.		
	e) Bidder should have a positive balance sheet of 3 years in last 5 years. Please submit the audited balance sheet ending March 2025.		
	f) Specifications of the quoted product shall be visible on the OEM's website.		
	g) Only integrated Hydro-met Observational Units will be acceptable. The system should be rugged, and all parts, including mounting arrangements and accessories, should adhere to the environmental specifications given.		
	h) In case of any manufacturing defect or non-compliance with specifications during field observations, the component must be replaced with a higher standard and original spare parts certified by the manufacturer.		
	i) Full literature/leaflets/catalogues/ data sheets/ application notes or brochures relevant to the offered models and a complete manual guide for installing sensors will be enclosed with the technical bid for validating the specification. Operating Manual: 02 Set of Operating Manual to be supplied. (Language: English)		
	J)The Data logger, hydrological and meteorological monitoring system will be equipped with data acquisition, a power system along with good quality cables, covered with a conduit with the required length for all the sensors		

	k) A compliance statement must be enclosed with the offer. The bidder must submit a point-wise technical compliance statement with the tender offer with documentary proof. Failing to do this may disqualify the bid.		
	l) Scope of the supply should include installation (including masonry work), commissioning and demonstration at field sites.		
	m) Firms with prior experience in supplying and installing/maintaining discharge and or meteorological or both stations, particularly in high-altitude Himalayas, will be preferred.		
	n) The bidder must submit the complete users' list in India who are using similar products/Instruments along with their contact details, including email id.		
	o) Pre dispatch factory inspection should be done and after inspection supplier to supply the material to Site 1) Gepang Gath Glacier, at the outlet of the proglacial lake. Site 2) Samundra tapu glacier, at the outlet of the proglacial lake.		
	p) Delivery Period - 90 days		
	q) Training should be given during the successful installation at sites I and II, to the members of the Himalayan Cryosphere team.		

Bidders to submit compliance on all the mentioned points along with all the requested detailed specifications and brochure for the quoted/offered item, duly signed & sealed on each page.

BIDDER DETAILS FORMAT

(Mandatory details to be submitted along with the Bid Documents)

A	Company Information of the Bidder/Service Provider:	
1	Company Name in full as per GeM:	
2	Address in full as per GeM:	
3	Contact Name &No.: 1) Primary 2) Secondary	
4	Email id: 1) Primary 2) Secondary	
5	GST No.	
B	Bank Information of the Bidder/Service Provider:	
1	Bank Account Number:	
2	Bank Account Type: Savings/Current Account.	
3	Name of the Beneficiary Bank Account as registered in GeM:	
4	Bank name in full:	
5	Bank Branch& Address:	
6	IFSC Code:	

Company STAMP & SIGNED.