



WADIA INSTITUTE OF HIMALAYAN GEOLOGY
(An Autonomous Institution of Department of Science & Technology Government of India)
33, GENERAL MAHADEO SINGH ROAD,
DEHRA DUN- 248001 (INDIA)

Phone : 0135-2525500, 2525501,
FAX : 0135-2625212, 2525200
E-mail : stores@wihg.res.in
Web : http://www.wihg.res.in

OPEN TENDER DOCUMENT

TECHNICAL BID DUE TO OPEN ON:-29-01-2021

NoS-2/50-P (Hut)/wihg/2020-21 / 9

Date: 29-12-2020

Sub: INVITATION OF TENDER

Dear Sirs,

We intend to Install **Huts** as per the details/specifications (Annexure -1). You are requested to submit your sealed tender/quotation/s along with Compliance statement (Annexure-2) and technical leaflets /Brochures for the same on your own letterhead. **Bids without Compliance statement and technical leaflets / Brochure will summarily be rejected.-**

Sl. No	Description of Items	Quantity
C	Supply, Installation and commissioning of High altitude Dome type living shelters/Huts at three Himalayan glacier observatories {(1) Chorabari Glacier (2) Gangotri Glacier (3) Nubra Valley Glacier} on Turn Key Basis Specification As Per Annexure-1	03 Nos.

TERMS AND CONDITIONS

- 1 Detailed terms & conditions of supply **MUST** be mentioned In your offer.
- 2 On-site Comprehensive warranty for a period of 2 years from the date of satisfactory installation, commissioning and final acceptance of supply **MUST** be available on the offered system. The warranty clause on these lines **MUST** be clearly mentioned on both technical and commercial bids. Offers with other warranty clauses will not be considered
- 3 The sealed tenders/quotations/offers are to be submitted in **two parts** as under:-
The technical and commercial bids should be submitted on your own letterhead in separate sealed envelopes. Your technical bid should be submitted in one of the sealed Covers super scribed "Hut" due to open on 29-01-2021 the other sealed envelope should contain your commercial bid and should be super scribed " Hut " due to open on 29-01-2021 both these sealed envelopes should be submitted in a third sealed cover super scribed "Hut" due to open on 29-01-2021

Continued on page -2


The undermentioned documents/details MUST be submitted with your technical offer

- a) Details of after-installation-service facilities available.
 - b) Details of warranty (elaborative as per term No. '2').
 - c) Details of users and copies of the user certificates of the proposed model/make of(**Hut**)
- d) **Details of para-wise/item wise compliance statement (As per Annexure-2)**
- 4 For Indigenous Indian supply rates, MUST be for delivery on F.O.R. Dehra Dun basis. Only GST@ 5%as applicable, will be paid extra by us. (Against Certificate issued by the head of the institution) You may take note of Govt Notification No47/201Integrated Tax (rate) dated14th November 2017
 - 5 Being a Research & Development Institution, we are exempted from payment of excise duty and are entitled for payment of basic custom duty on concessional rates. Therefore, suppliers are advised to quote their rates accordingly.
6. **Earnest Money Deposit:**
- (i) **For Indigenous Original Equipment Manufacturer or Their Authorized Dealer -:** Notwithstanding anything contained in rule 171 of GFRs 2017 or any other Rule or any provision contained in Procurement Manuals, no provision regarding bid security is being kept with this bid document . However, the bidders are required to submit Bid Security Declaration as notified by Procurement policy, Department of Expenditure, Ministry of Finance, Government of India vide there Office Memorandum no. F.9/4/2020-PPO dated 12-11-2020. (**A copy of the Format is enclosed as annexure-3**)
 - ii) **For Overseas Original Equipment Manufacturer or Their Authorized Dealer-:** The bid should be accompanied by FDR /Bank Guarantee towards earnest money for an amount of Rs 54,000(Rupees Fifty Four Thousand only) **or its equivalent foreign currency. The EMD MUST be submitted with the Technical bid in the shape FDR/Bank Guarantee in the name of the Director, Wadia Institute of Himalayan Geology, Dehra Dun (India),** failing which the offer will not be considered. The Bank Guarantee shall remain in force up to and including forty five (45) days after the bid validity.
7. Installation of the Huts will be done **at three Himalayan glacier observatories {(1) Chorabari Glacier (2) Gangotri Glacier (3) Nubra Valley Glacier**
 8. Installation period required by you **MUST** be clearly mentioned in your offer.
 9. Installation of the system will have to be arranged by you/your principals/Indian agents. In case installation charges are to be paid extra, the same **MUST** be specified in the offer, failing which the offered rates will be treated as inclusive of installation charges.
 - 10 For Indigenous supply:- 100% payment will be made **after** satisfactory installation commissioning and final acceptance of supply.
 - 11 100% payment to overseas suppliers will be made by us through wire/Telegraphic Transfer. However, 80% payment will be released on receipt of consignment and the balance 20% payment will be released after satisfactory installation/commissioning and acceptance of Supply.
 - 12 Commercial offer from overseas manufacturers/suppliers **MUST** be submitted on the following lines and must be for supply on f.o.b. basis:
 - (a) Ex-works cost.
 - (b) (-) Less Indian Agent's Commission, if any, payable in Indian currency after satisfactory Installation and acceptance of supply.
 - (c) Net ex-works cost.
 - (d) f.o.b. charges up to international airport of dispatch in supplier's countries
 - (e) Net f.o.b. cost

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- 13 Your offer **MUST** be valid for a minimum period of **one hundred twenty days** from the date of opening of technical bids and validity period **MUST** be mentioned in your offer. Air-freight charges on imported consignment will be paid by us in India in Indian currency. Insurance of the imported consignment will also be arranged by us.
- 14 Your offer must reach us by 13.00 hrs. on **29-01-2021**. In their own interest, the tenderers must ensure that their tender reaches us in time. Tender will be opened at 15.00 hrs. on the same day. Late tenders or delayed tenders will not be considered. In case the due date happens to be a closed day because of any of the reasons, tenders will be opened at 3 p.m. the next working day.
- 15 In case Indian Agents submit offer on behalf of their overseas principals, proper Authorization Certificate from the principals on their (Principals) letterhead **MUST** be Submitted in original with the technical bid, **failing which the offer will not be considered.**
- 16 Security Deposit: - The tenderer will have to submit security deposit @3% of order value .In the Shape of FDR/Bank Guarantee till the completion of warranty period
- 17 Risk Purchase Clause: - If the supplier fails to supply the goods in correct quality and quantity within the stipulated delivery period, liquidated damages @1% per week for a maximum period of ten weeks will be deducted from the balance payment of the supplier. If the ordered materials are not supplied even after the delay of said period of ten weeks, termination/cancellation of the order will be considered and in such a situation, the purchaser will have the right to forfeit the security deposit of the tenderer and procure the material(s) or services from elsewhere upon such terms and in such manner as it deems appropriate and the supplier shall be liable to pay the purchaser for any excess costs for such similar goods or services.
18. Résolution of Disputes: All disagreements, disputes, différence that may arise between Wadia Institute of Himalayan Géology and your firm/agency which cannot be resolved through mutual négociations shall be referred to an Arbitrator appointed in Accordance with the provisions of relevant Indian or International Law as the case may be. The venue of the proceedings and arbitration shall be Dehradun, INDIA.
- 19 Amendement(s) in the tender documents required if any, will be made availabel in our Web site and accordingly, the prospective bidders are required to keep themseleves updated till four days of tender opening.
- 20 The Director, Wadia Institute of Himalayan Geology, Dehra Dun (India) reserves the right to reject any or all tenders in public interest without assigning any reason .

Yours faithfully,



29/12/2020

(M.K Biswas)
Store & Purchase Officer, for Director

Specifications for the dome type, living shelter

Annexure-1

Specifications	
Type & Dimensions	Dome Type Living Shelter. Provision of Hemi spherical Dome type (Diameter = 20.5 feet approx.) Living shelter of curved panels constructed by joining of the panels by means of nuts & bolts. As a standard, one window and one door panel with option for additional window or door panel, if needed, on additional charged.
Design	Wind Velocity -Equivalent to Wind speed of 25mtrs/sec as per IS-875
	Snow load – 3 Meters high standing snow.
	External temp - Minus 40 Degree C to plus 35 Degree C.
	Internal load on floor – 200 Kg/m ²
	Seismic Co-efficient - as per Seismic Zone-V.
	Termite Proofing – Termite proof.
	Water absorption/penetration -NIL.
	Fire Retardant - Fire Retardant & should not emit toxic fumes.
	Design Load - As per IS-875.
	Thermal conductivity/insulation – Not more than 0.022 +10% K Cal/h/mc.
	The lightning protection will form part of the scope of shelter as per std IS norm.
	Earthing shall form part of the shelter.
Structure	The Fiber Reinforced Plastic Curved panel Dome shape shelter
	Panels. Shelter made by joining the panels (Wedge, Expansion and Dormer panel) will be bolted together on site and will be anchored to concrete foundations including complete anchoring arrangements. Seams where the panels meet are to be protected with sealant and 10% of spare silicon sealant will also be provided. The specifications of panels will be as under-
	(i) Panel Walls and Roof: Single insulated double skin of Fibre Glass.

	(ii) <u>Insulated Core: Polyurethane Foam</u>
	(iii) <u>Insulation: High density (38kgs ± 2 kgs) Polyurethane foam 20mm thick</u>
Technical Requirements	The design of the shelter shall be done to meet the design parameter as given above. The technical requirements are as under:
Panel	The panels will have a composite thickness of 25± 1 mm
	The panel will have a smooth exterior finish using Fire Retardant [FR] gel coat in the desired colour using appropriate pigments.
	The outer skin will be monolithically cast using emulsion bonded CSM fibreglass mat and will be saturated with FR grade unsaturated polyester resin to achieve a thickness of 2 .5 to 3mm on the outer skin.
	Additional reinforcements with two layers of woven rovings alternated between three layers of CSM mat will be provided on the flanges, to impart additional bi-axial and shearing strength to the flanges.
	The Inner skin will be monolithically cast using emulsion bonded CSM mat and saturated with FR grade unsaturated polyester resin to achieve a thickness of 1.5 to 2mm.
	To facilitate easy handling and erection, holes of appropriate size will be drilled in a manner to enable the panels to be inter-changeable during erection.
Gel-coating	~ 0.5mm Thick Gel coat
	Isophthalic Neo Pentyl Glycol or equivalent material
	Barcol Hardness- 42
	Tensile Strength- 50 N/mm ²
	Elongation- 2.5%
	Pigment- 10% (Kerox 362 or Colour Tech 1362 or equivalent)
	Fire Retardant
Warranty	On-site Comprehensive Warranty for Two Years

COMPLIANCE STATEMENT FOR THE DOME TYPE LIVING SHELTER

Annexure-2

Specifications		Compliance	Remarks
Type & Dimensions	Dome Type Living Shelter. Provision of Hemi spherical Dome type (Diameter = 20.5 feet approx.) Living shelter of curved panels constructed by joining of the panels by means of nuts & bolts. As a standard, one window and one door panel with option for additional window or door panel, if needed, on additional charged.		
Design	Wind Velocity -Equivalent to Wind speed of 25mtrs/sec as per IS-875		
	Snow load – 3 Meters high standing snow.		
	External temp - Minus 40 Degree C to plus 35 Degree C.		
	Internal load on floor – 200 Kg/m ²		
	Seismic Co-efficient - as per Seismic Zone-V.		
	Termite Proofing – Termite proof.		
	Water absorption/penetration -NIL.		
	Fire Retardant - Fire Retardant & should not emit toxic fumes.		
	Design Load - As per IS-875.		
	Thermal conductivity/insulation – Not more than 0.022 +10% K Cal/h/mc.		
	The lightning protection will form part of the scope of shelter as per std IS norm.		
	Earthing shall form part of the shelter.		
Structure	The Fiber Reinforced Plastic Curved panel Dome shape shelter		
	Panels. Shelter made by joining the panels (Wedge, Expansion and Dormer panel) will be bolted together on site and will be anchored to concrete foundations including complete anchoring arrangements. Seams where the panels meet are to be protected with sealant and 10% of spare		

	silicon sealant will also be provided. The specifications of panels will be as under-		
	(i) Panel Walls and Roof: Single insulated double skin of Fibre Glass.		
	(ii) Insulated Core: Polyurethane Foam		
	(iii) Insulation: High density (38kgs ± 2 kgs) Polyurethane foam 20mm thick		
Technical Requirements	The design of the shelter shall be done to meet the design parameter as given above. The technical requirements are as under:		
Panel	The panels will have a composite thickness of 25± 1 mm		
	The panel will have a smooth exterior finish using Fire Retardant [FR] gel coat in the desired colour using appropriate pigments.		
	The outer skin will be monolithically cast using emulsion bonded CSM fibreglass mat and will be saturated with FR grade unsaturated polyester resin to achieve a thickness of 2.5 to 3mm on the outer skin.		
	Additional reinforcements with two layers of woven rovings alternated between three layers of CSM mat will be provided on the flanges, to impart additional bi-axial and shearing strength to the flanges.		
	The Inner skin will be monolithically cast using emulsion bonded CSM mat and saturated with FR grade unsaturated polyester resin to achieve a thickness of 1.5 to 2mm.		
	To facilitate easy handling and erection, holes of appropriate size will be drilled in a manner to enable the panels to be inter-changeable during erection.		
Gel-coating	~ 0.5mm Thick Gel coat		
	Isophthalic Neo Pentyl Glycol or equivalent material		
	Barcol Hardness- 42		

	Tensile Strength- 50 N/mm ²		
	Elongation- 2.5%		
	Pigment- 10% (Kerox 362 or Colour Tech 1362 or equivalent)		
	Fire Retardant		
Warranty	On-site Comprehensive Warranty for Two Years		

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Annexure-3

Form of Bid-Securing Declaration

Bid No.:

To

The Director,
Wadia Institute of Himalayan Geology,
Dehradun

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Wadia institute of Himalayan Geology, if we are in breach of our obligation(s) under the bid conditions, because we:

- a) have withdrawn our Bid during the period of one month bid validity specified in the letter of bid: or
- b) having been notified of the acceptance of our bid by Wadia Institute of Himalayan Geology the during the period of bid validity, (i) fail or refuse to execute the contract, if required, or
(ii) fail or refuse to furnish the Security deposit, in accordance with tender condition

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder: or

(ii) Twenty-eight days after the expiration of our bid.

Signed:

Name:

Duly authorized to sign the bid for and on behalf of:

Date:

