



**CENTRAL INSTITUTE OF HIGHER TIBETAN STUDIES  
SARNATH, VARANASI**

**Date: 18.7.2024**

**TENDER NOTICE NO. CIHTS/MW/R&M/2023-07A**

The Central Institute of Higher Tibetan Studies hereby invites the EOI from the reputed agency for Repair of Existing 100 KLD Overhead tank near Sports Facility in the Institute Campus, the details are as under:-

EXPRESSION OF INTEREST	
GENERAL DETAILS	
TENDER NO.	CIHTS/MW/R&M/2023-
NAME OF THE WORK	Repair of Existing 100 KLD Overhead tank near Sports Facility
LAST DATE AND TIME FOR SUBMISSION OF TENDERS	31.07.2024
DATE AND TIME OF OPENING	02.08.2024 or as decided by competent authority
COMPETANT AUTHORITY INVITING TENDER	THE REGISTRAR, CIHTS, SARNATH, VARANASI
EARNEST MONEY to be DEPOSIT	8000.00 (Eight thousand only)

*The interested firms may survey the site in coordination with the Institute Civil Engineer and submit their tender rate in comparison with provided BOQ rate. The BOQ in this regard is attached and further requested to submit the respective bid in a sealed envelope to the Registrar Office, CIHTS. The total cost of BOQ is of Rs. 4.26 lacs approx and interested agencies/vendors are hereby instructed to quote above/below percentage rate of quoted BOQ in totality basis. The last date for the submission of the rate will be 31.07.24 at 5.00 PM. The bidder who have quotes the lowest rate shall be awarded the work as L-1 bidder and will have to execute the work as per the terms and conditions mention in the tender notice.*

*Avil*  
Registrar  
19/7

CIHTS, Sarnath, Varanasi

Name of the Firm:- \_\_\_\_\_

Contact address:- \_\_\_\_\_

Contact number:- \_\_\_\_\_

**SEAL**

### Terms and Conditions:-

1. Contractor should have experience of similar work, (work order copy to be submitted).
2. The work shall carry guarantee for 5 years against any leakage.
3. Attached Annexure 1 Performa for Guarantee in respect to water proofing works to be filled and submitted with the rate.
4. The supplier will be responsible for delivery of goods in high-quality condition and installation at their own risk and cost at the location of the said tank.
5. Approval should be taken from Institute Engineer for the Equivalent Make if required as mentioned in BOQ format.
6. The payment for the bills shall be made after completion of work in all aspects and certification done by Institute Engineer, deployed for the purpose.
7. No advance shall be allow.
8. The Contractor shall have to provide authorization certificate of FORSEC/Dr FIXIT/CICO or equivalent if any.
9. The contractor shall follow all the safety norms during work.
10. The contractor shall take case of labour law norms. In case of any mishappening,the Institute shall not be responsible.
11. EMD of Rs. 8000.000 (Eight thousand only) will be deposited in favour of the Registrar, CIHTS as detailed under through NIFT/RTGS.

Account No.	IFSC Code	Bank Name	Branch Code
416302010116003	UBIN0541630	Union Bank of India Paigemberpur, Varanasi	541630

12. **Billing & Payments:** The CIHTS shall release the payments within 15 Days from the date of receipt of the Bill(s)/ invoice(s) duly certified by Institute along with necessary supporting documents, if found in order. However, the sequence for releasing payments shall be as detail below :
  - a. 95% payment shall be released after completion of complete work in all respect.
  - b. 5% payment shall be released after defect liability period of successful completion of the works

**Detailed Estimate for Repair of Existing 100 KLD Overhead Tank near Sports Facility in the Institute Campus at CIHTS, Sarnath, Varanasi**

SL.No.	Description	Unit	Qty	Rate	Amount (Rs.)
1	Surface Preparation: RCC Surfaces must be clean, even and sound concrete. Remove all oil, dirt, laitance, protrusions (by light grinding) and other contaminants manually to attain a fairly smooth surface.	Sqm.	99.00	140.00	13860.00
2	Crack treatment: Cutting and opening cracks to a depth of 10mmx10mm in V shape by mechanical means. cleaning all the dirt and loose particles by air pressure and wetting crack to attain SSD condition. filling the crack using Nitobond SBR Latex having specific gravity ranging from 1.015 to 1.040 @ 27 deg celsius mixed in the ratio of 1(polymer):3 (cement ) maintating W/C ratio to 0.35 to achieve thixotropic consistency . Product should be tested in accordance with BS 6319.	RM	32.00	375.00	12000.00
3	Injection Grouting of honey combed areas & construction joints: Drill 18 mm dia hole for fixing 12mm PVC nozzles and fix it using rapid setting mortar like Renderoc Hs extra. Chase open construction joints in v shape of 10mmx10mm and fill and flush it to the surface with polymer modified mortars like Renderoc HS extra. Providing Chemical injection treatment (next day) in the form of pressure grouting to the cold joints by injecting cement slurry mixed with grout admixture Cebex 0009 225 gms per 50kg of cement, in the required consistency through the pre fixed PVC nozzles in the 18 mm dia holes, fixing of PVC nozzles with Renderoc Plug and final cutting the projected nozzles and sealing off the PVC nozzles after the injection operation is over with Renderoc plug, non shrink rapid setting mortar compound, finishing, curing etc. as per manufacturers specification and as directed.	Per Nozzle	100.00	250.00	25000.00

Sl.No.	Description	Unit	Qty	Rate	Amount (Rs.)
4	<p><b>Waterproofing coat :</b> Providing and applying Nitocote CM210 manufactured by Fosroc Chemicals India Pvt Ltd. Nitocote CM210 is a two component, elastomeric cementitious coating having mixed density of 1950Kg/cum. CM 210 shall be applied @ rate of 3.8 kg/m<sup>2</sup> in 2 coats to achieve a total DFT of 2mm. 2 mm thick cured coating membrane shall exhibit following properties:</p> <ol style="list-style-type: none"> <li>1. static crack accommodation of &gt;0.9 mm according to ASTM-C836.</li> <li>2. CO diffusion resistance (Taywood method) after 5,000 hrs QUV2 : &gt; 50 m.</li> <li>3. Hydrosatic pressure: 5 bar(positive) and 2 bar(negative) when tested to ITM / FTM-181</li> </ol> <p>Coating is approved under the UK WBS (WRc Listed) Scheme No. 0510522 and Fire Tested to BS 476: 1987 Parts 6 and 7. The cured coating, after immersion, shall be capable of withstanding cracked substrate cyclic movement from 0 - 300 - 0 microns at 15°C for 6,000 cycles without failure.</p> <p>Work shall be executed by Fosroc Authorised applicator Strictly following the Instructions as per Fosroc methodology.</p>	Sqm.	99.00	825.00	81675.00
<b>Internal Protective Coating</b>					
5	<p><b>Option 1: Food grade coating (internal):</b> Providing, mixing and applying Nitocote EP405 manufactured by Fosroc Chemicals India Pvt Ltd and applied by Fosroc authorised applicator. Nitocoat EP405 is 100% (volume of solids) solvent free epoxy resin system designed for potable water retaining structures. Minimum recommended rate of applictaion is 0.25-0.30 lit/sqm to achieve a total DFT of 200 microns. Product shall be CFTRI approved and cured film shall comply with the requirements of IS: 9833 - 1981. system includes surface prepration and application as per Fosroc methodology.</p>	Sqm.	99.00	830.00	82170.00

SLNo.	Description	Unit	Qty	Rate	Amount (Rs.)
6	<p><b>Protective Coating (External):</b> Providing and applying Dekguard E 2000 manufactured by Fosroc Chemicals India Pvt Ltd and applied by Fosroc authorised applicator. Total anticarbonation system comprises of a silane siloxane based penetrating primer (Dekguard primer WB ) and elastomeric pigmented coating(dekguard E 2000). Deckguard E2000 is a single component elastomeric, anticarbonation, aliphatic acrylic protective coating. Minimum recommended rate of application is 1.5m<sup>2</sup>/lit(including wastage) to achieve a total DFT of 200-300 microns on external side of OHT fulfilling functional parameters like:</p> <p>1. Static crack spanning capability @ 200 microns dft @23°C : 2 mm as per ASTM C 836-76</p> <p>2.Solar reflective index (white colour) : 105% as per ASTM E 1980-11</p> <p>3. Adhesion greater than 1.0 N/mm<sup>2</sup> as per BS 1881.</p> <p>4. CO<sub>2</sub> diffusion resistance not less than 240mm equivalent of air thickness and 60cm equivalent of 30N concrete(Taywood method, at 309 microns dft) system includes surface prepration and application as per Fosroc methodology.</p>	Sqmt	111.00	750.00	83250.00
Sub-Total					297955.00
Add, 20% extra for lead/Scaffolding/Difficulty factor					59591.00
Sub-Total					357546.00
Add, for GST @ 18%					64358.28
Add, for Labour Cess @ 1%					3575.46
Grand Total					425479.74

Bidder quoted rate in percentage (±)

- (i) The Product performance shall carry guarantee for 5 years against any leakage.
- (ii) Attached Annexure 1 Performa for Grantee in respect to Water Proofing Works to be filled and submitted with the Quotation.
- (iii) Approval should be taken from Institute Consultant for the Equivalent Make if considered as mentioned in the above details.



**PROFORMA FOR GUARANTEE IN RESPECT TO  
WATER PROOFING WORKS**

This agreement for the work of ..... Made on this ..... day of .....2022 between M/s..... in the town of ..... Hereinafter called the Contractor on the one part and the Central Institute of Higher Tibetan Studies hereinafter called the CIHTS of the other part.

WHEREAS THIS AGREEMENT is supplementary to Contract (hereinafter called the Contract) dated and made between the Contractor on the one part and the CIHTS on the other part, where by the Contractor inter alia, undertook to render the OHT and the structure work in the said Contract recited completely water and leak-proof.

AND WHEREAS THE CONTRACTOR agreed to give a Guarantee to the effect that the said structures will remain water and leak-proof for five years from the date of completion of the work.

Provided that the Contractor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

- a. Misuse of roof shall mean any operation which will damage water proofing treatment, like chopping of fire wood and things of the same nature which might cause damage to the roof.
- b. Alteration shall mean construction of an additional story or a part of the roof or construction adjoining to existing roof whereby water proofing treatment is removed in part.
- c. The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

During this period of Guarantee, the Contractor shall make good all defects and in case of any defect being found rendering the OHT waterproof to the satisfaction of the Engineer-in-Charge at the Contractor's cost and shall commence the work for such rectification within seven days from the date

of issue of the notice from the Engineer-in- Charge calling upon him to rectify the defects failing which the works shall be got done by the CIHTS by some other Contractor at the Contractor's risks and cost. The decision of the Engineer-in-Charge as to the cost, payable by the Contractor shall be final and binding.

That if the Contractor fails to execute the water proofing or commits breach there under, then the Contractor will indemnify the CIHTS against all loss, damage, cost, expenses or otherwise which may be incurred by CIHTS by reason of any default on the part of the Contractor in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and/or cost incurred, the decision of the Engineer-in-Charge will be final and binding.

IN WITNESS WHERE OF M/s. .... and the CIHTS by the order and under the direction of the CIHTS herein to set their respective hands the day, month and year first written above.

Signed, Sealed and delivered by the Contractor in presence of

Witness:

Signature-----

1.

Name-----

2.

M/s.-----

Address-----

Signed by the order and direction of the CIHTS in presence of

Witness:

Signature-----

1

Name -----

Department Manager

2

Department-----