Notice Inviting Tender Details

Tender Information	
Reference Number	IIITD/2025-26/BD/WORK_INDENT2/CALL-3
Name	Water Proofing Works for Existing Buildings of Phase I at Indian Institute of Information Technology Dharwad (IIIT Dharwad)
Tender Scope	Water Proofing Works for Existing Buildings of Phase I at Indian Institute of Information Technology Dharwad (IIIT Dharwad)
Category	Works
Procuring Entity	Indian Institute of Information Technology Dharwad
Location Name	IIIT Dharwad
Multiple Currencies Allowed	No
Published Date	28-08-2025 12:21:30
ECV/Non-ECV	ECV
Commerical Bid Type	Item wise
Evaluation Type	Two Tender Document System (Two Cover)
Tender Type	Open
Tender Amount(Excluding GST)	3775250.00
Denomination Type	Rupees
Delegation Category	Normal
Funding Procuring Entity	Indian Institute of Information Technology Dharwad - IIITD
Highest Bidder Selection	No
Technical Weightage Required	No
No of Calls	3
Tax Type	Inclusive Tax
File Number	388
Publish Type	Request for Quotation (RFQ)
Save as Template	No

Project Details	
Project Id	---
Project Description	---
HOA	---
DDO Code	---

General Conditions of Eligibility

Condition 1	Tenders from Joint ventures are not acceptable.
Condition 2	Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Government of Karnataka
Condition 3	Bidders shall ensure upload of relevant document certifying his/her status as Scheduled Caste/ Scheduled Tribe/other reserved category as prescribed in the tender document.
Condition 4	It shall be the responsibility of the Bidder to ensure credit of Tender Processing Fee and EMD into the respective receiving bank accounts of e-Procurement on or before the last date and time of bid submission.
Condition 5	EMD Payments through e-Payment mode shall be made as one single transaction and payments made in part are liable for rejection.
Condition 6	ALL TERMS AND CONDITIONS AS PER TENDER DOCUMENT

Technical Criteria			
S.No	**Criterion Type**	**Criterion Description**	**Criterion Documents**
1	Past Experience	Total value of civl engineering works executed and payments received in the last five years (year-wise)	• Work Done Certificate
2	Past Experience	The tenderer must have completed similar works during the last 7 years.	• Work Done Certificate
3	Past Experience	The tenderer must have completed similar works during the last 7 years.	• Satisfactory Performance Certificate
4	Past Experience	Class 1 Contractor	• PWD Registration Certificate (Class I/II/III/ IV)
5	Capabilities of Vendor	Tenderer or his identified Sub Contractor should possess valid license for executing water supply / sanitary engineering works and should have executed similar works totaling Rs. 5000000 in any one year	• Others -- Relevant Class 1 Contractor License
6	Capabilities of Vendor	Construction equipment owned by the tenderer and equipment proposed to be deployed on this contract, if awarded	• Others -- list of Construction equipment owned
7	Capabilities of Vendor	Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded	• Others -- list of key technical and management personnel in permanent employment with

			qualification and experience .
8	Capabilities of Vendor	Proposals for subcontracting components of works amounting to more than 20% of the contract price (for each, the qualifications and experience of the identified sub-contractor in the relevant fields should be attached)	• Others -- Relevant Documents
9	Financial Status	Banker Details for reference	• Others -- Banker Details for reference
10	Financial Status	Reports on the financial standing of the tenderer, such as profit and loss statements and auditors reports for the last five years	• Audited CA Certificate of Annual Turnover
11	Others	List of existing commitments and ongoing works	• Others -- List of existing commitments and ongoing works
12	Others	List of works for which tenders already submitted	• Others -- List of works for which tenders already submitted

Documents Required from the Bidder			
S.No	**Document Type**	**Document Name**	**Document is Mandatory**
1	Technical Bid	Annual Turnover Certificate	Yes
2	Technical Bid	Company Registration Certificate	Yes
3	Technical Bid	Reserved Category Certificate- IF APPLICABLE AND IF NOT GIVE DECLARATION	Yes
4	Technical Bid	Small Scale Industries Certificate - if applicable and if not give DECLARATION	Yes

Sub Estimates

SubEstimate :1

S.No	Category of works	Name of works	Merged (yes/no)	Estimate Value(Excluding GST)	Created Date
1	Buildings	Water Proofing Works for Existing Buildings of Phase	No	3775250	28-08-2025 10:35:06

		I at Indian Institute of Information Technology Dharwad (IIIT Dharwad)			

Items			
Item :1			
Item Code	001	**Item Category**	---
Description	Providing and Applying PU based Elastomeric Liquid Applied PU Waterproofing Membrane single component, cold applied, water based acrylic PU dispersion with highly elastic and UV resistant water proofing treatment to the Existing Roof surface/ Chajjas/ Sunken portion of WC Bathroom applied @ 1.2 l/per m2, having tensile strength greater than 1.5N/mm2, elongation greater than 300% with solid content not less than 60% in 2 coats including surface preparation, priming the surface with water based acrylic primer @0.1 l/m2, and spreading 60 gsm geotextile between two top coats completely as per specification. The finished cost to include surface reparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification.		
SR item(yes/no)	No	**Unit**	Sqm
Quantity	3000	**Price**	737
Minimum Quantity	---	**Maximum Quantity**	---
BuyBack Item	No	**BuyBack Value**	---
Estimate Price	737	**Total Price**	2211000
Item :2			
Item Code	002	**Item Category**	---
Description	Providing and grouting tile joints, Cutting the tile joints with the help of cutting machine (width 3mm-15mm) and filling with of matching shade, using three component Epoxy based tile joint filler, non-sag waterproof grout, chemical and UV resistance, Pot life 60 mins, VOC (EPA 24) 8gm/ kg and water absorption after 7 days 0.5g Joints shall be clean, dry, free from dirt, etc prior to application. Apply tile grout using a rubber trowel/ grout floater, press firmly into joints, ensure complete fill and remove exces grout from surface using suitable method. The work shall be carried out as per the directions of the Engineer Incharge		
SR item(yes/no)	No	**Unit**	Sqm
Quantity	1100	**Price**	850
Minimum Quantity	---	**Maximum Quantity**	---
BuyBack Item	No	**BuyBack Value**	---
Estimate Price	850	**Total Price**	935000
Item :3			

Item Code	003	**Item Category**	---
Description	Providing and Applying single component Polyurethane based cold applied seamless waterproofing coating to the RCC surface like Roof & Podium area applied @ 2.4kg/m2 in 3 coats to achieve 1.5mm DFT, including a prime coat of solvent free, medium viscous, epoxy primer @0.2L/m2 and protection with 120gsm Geo-textile over the 7 days cured waterproofing membrane. The Waterproofing material shall have Solids 85%, Tensile strength 2 Mpa as per ASTM D 412, Elongation at break 400% confirms to ASTM C 1305 for crack bridging ability (no cracks up to 3.2mm) Shore A Hardness 55 as per ASTM D 2240, Adhesion to peel after water immersion as per ASTM C 794 at 5.2N. Resistance to root penetration as per UNE CN/ TS 14416. The finished cost to include surface preparation, making coving of 50 mm 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 60gsm Geo-textile over the angle fillet when the first coat in still wet, treatment of cracks completely as per specification.		
SR item(yes/no)	No	**Unit**	Sqm
Quantity	450	**Price**	1165
Minimum Quantity	---	**Maximum Quantity**	---
BuyBack Item	No	**BuyBack Value**	---
Estimate Price	1165	**Total Price**	524250

Item :4

Item Code	004	**Item Category**	---
Description	Providing waterproof treatment to Raft Slab using 2 coats of acrylic co polymer elastomeric Acrylic co-polymer elastomeric sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc., The surface shall be applied with basecoat of healer sealer crystallization liquid and then Acrylic co-polymer elastomeric sealer & protector, wetting agent and liquid (1:1:6) over the prepared surface. In addition, making haunch at junction of Wall and Slab visible cracks are opened and sealed with flexicrack paste. Over this one coat of flexible cementations membrane (FCM), Spreading one layer of HDPE membrane as reinforcing material (over FCM) with one primer coat of Acrylic co-polymer elastomeric sealer & protector & applying second coat of Acrylic co-polymer elastomeric sealer & protector liquid over the primer coat - conforming to ASTM C 1202, DIN 1048 part 5, The work shall be carried out as per the directions of the Engineer in charge		
SR item(yes/no)	No	**Unit**	Sqm
Quantity	100	**Price**	1050
Minimum Quantity	---	**Maximum Quantity**	---
BuyBack Item	No	**BuyBack Value**	---
Estimate Price	1050	**Total Price**	105000

Authority Details	
Inviting Authority	Registrar IIIT Dharwad
Opening Authority	Registrar IIIT Dharwad
Evaluation Authority	Registrar IIIT Dharwad
Appellate Authority	Chairperson BoG IIIT Dharwad

Contact Information	
Contact Person Name	M Ponnuswamy
Office Telephone Number	---
Mobile Number	9995554466

Amount Details	
Estimated Contract Value(Excluding GST)	3775250.00
Tender Fee (INR)	950.00
Amount of Earnest Money Deposit(INR)	113500.00

Tender Schedule	
Bid Validity Period (In Days)	90
Last Date and Time for Tender Queries/Clarifications	03-09-2025 17:09:00
Last Date and Time for Receipt of Tenders	04-09-2025 17:00:00
Date and Time for Opening of Technical Bid	06-09-2025 10:15:00
Date and Time for Opening of Financial Bid	08-09-2025 17:00:00
One Time Auto Extension of Tender Schedule Required	No

Tender Published User Details	
Tender Published User Name	KPE23421 - RAVI B VITLAPUR
Tender Published User Post	IIITD_REG
Public Key	CN=RAVI VITLAPUR, SERIALNUMBER=e06de16fecbe8b65fa296439a00d9d8eadb41b72f1cbba18aa6e9297468a6de6, ST=KARNATAKA, OID.2.5.4.17=580009, OID.2.5.4.20=ec7df94fc1c5a6bbd98bd3e14e08c31707ff8e03f97b44d31f5bf5cb9a307c11, OU=ASSISTANT REGISTRAR, O=INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DHARWAD, C=IN
Issuer	CN=e-Mudhra Sub CA for Class 3 Organisation 2022, OU=Certifying Authority, O=eMudhra Limited, C=IN

SHORT TERM TENDER

Tender No: IIITDWD/Works/NIT/2025/388 **28/08/2025**

Name of the Work: Water Proofing Works for Existing Buildings of Phase 1 At Indian Institute of Information Technology Dharwad (IIIT Dwd)

Indian Institute of Information Technology Dharwad-Itigatti Road near Sattur colony, Dharwad, Karnataka – 580009

INDEX

Name of work	Water Proofing Works for Existing Buildings of Phase 1 At Indian Institute of Information Technology – Dharwad (IIIT-D)
Estimated Value of work	Rs. 37,75,250/-
Period of Work Completion	2 Weeks
Name of the Client	Indian Institute of Information Technology Dharwad
Address of the Client	The Registrar Indian Institute of Information Technology Dharwad - 580009 Tel No. 0836-2250879 e-mail: registrar@iiitdwd.ac.in
Submission of Tender Document	https://kppp.karnataka.gov.in/
Earnest Money to be deposited with the Tender	₹1,13,500/- (3 % of the Estimated Cost)
Last date and Time for online submission (uploading) of tender	**28/08/2025, 5:00PM**
Date and Time of opening of Tender (Technical Bid)	As per KPP Portal
Date and Time of opening of Tender (Financial Bid)	As per KPP Portal

1. NOTICE INVITING TENDER (NIT)

1.1 The Registrar, IIIT-Dharwad, invites online percentage/item rate tenders from eligible contractors for the following work:

• Name of Work: Water Proofing Works for Existing Buildings of Phase `1 At Indian Institute of Information Technology – Dharwad (IIIT-D)

Estimated Cost:	37,75,250/-
EMD:	₹1,13,500/- (3 % of the Estimated Cost)
Tender Fee:	As per KPP Portal
Time of Completion:	14 Days (Two weeks)
Last Date of Submission:	As per KPP Portal
Opening Date of Tender:	As per KPP Portal

2. INFORMATION FOR BIDDERS

2.1 Tenders shall be submitted online only through the KPPP portal.

2.2 Contractors must be registered with KPPP Portal in the appropriate class and category.

2.3 The tenderer must have completed similar works during the last 7 years.

SCOPE OF WORK

1. TERRACE WATERPROOFING

The scope of work involves providing comprehensive waterproofing treatment to the exposed roof terraces slab areas of the building. The contractor shall carry out all necessary preparatory works, including surface cleaning, crack filling, and slope correction to ensure an appropriate base for waterproofing application. For the terrace areas, the work shall include surface preparation, application of a suitable waterproofing primer, followed by the application of acrylic waterproofing. All vertical parapet junctions, pipe insertions, and expansion joints shall be treated with reinforcement mesh (if necessary) and sealant as per standard practices. The waterproofed surface shall be subjected to a 48-hour ponding test to confirm its effectiveness before laying the screed. The entire work shall be carried out using IIIT-D, approved materials and methodologies, under the supervision of the Engineer-in-Charge, and shall include submission of a performance guarantee or manufacturer's warranty for a minimum period of 12 years.

2. WASHROOM WATERPROOFING

For bathroom and toilet areas, the scope includes cleaning and preparing the sunken slab and adjoining wall surfaces, and ensuring proper sealing around floor traps and pipe entries using an elastomeric sealant. The treatment also includes washroom tile groove cutting, epoxy filling. The treatment shall extend at least 300 mm above finished floor level on vertical faces to create a watertight enclosure. The treatment shall also include PU grouting if necessary. Following the successful completion and testing (typically a 24-hour flood test), the waterproofed surface shall be protected with screed or tiling as per architectural design. The entire work shall be carried out using IIIT-D, approved materials and methodologies, under the supervision of the Engineer-in-Charge, and shall include submission of a performance guarantee or manufacturer's warranty for a minimum period of 12 years.

3. PODIUM WATERPROOFING

For Roof and Podium areas, the scope includes cleaning slab surfaces. The treatment includes groove cutting and crack filling by PU Injection grouting, groove cutting and crack filling. Following the successful completion and testing (typically a 24-hour flood test), the waterproofed surface shall be protected with screed or tiling as per architectural design. The entire work shall be carried out using IIIT-D, approved materials and methodologies, under the supervision of the Engineer-in-Charge, and shall include submission of a performance guarantee or manufacturer's warranty for a minimum period of 12 years.

4. SUNKEN SLAB WATERPROOFING

The scope of work involves providing comprehensive waterproofing treatment to the exposed Sunken slab areas of the building. The contractor shall carry out all necessary preparatory works, including surface cleaning, crack filling, and slope correction to ensure an appropriate base for waterproofing application. For the terrace areas, the work shall include surface preparation, application of a suitable waterproofing primer, followed by the application of acrylic waterproofing. All vertical parapet junctions, and expansion joints shall be treated with reinforcement mesh (if necessary) and sealant as per standard practices. The waterproofed surface shall be subjected to a 48-hour ponding test to confirm its effectiveness before laying the screed. The entire work shall be carried out using IIIT-D, approved materials and methodologies, under the supervision of the Engineer-in-Charge, and shall include submission of a performance guarantee or manufacturer's warranty for a minimum period of 12 years.

GENERAL CONDITIONS OF CONTRACT (GCC)

1. DEFINITIONS

1.1 Department: Refers to the Central Public Works Department (CPWD).

1.2 Engineer-in-Charge: The officer designated by IIIT-Dharwad to supervise and administer the contract.

1.3 Contractor: The individual or firm who is awarded the contract.

1.4 Work: Waterproofing services and all associated activities defined in the contract.

2. SCOPE OF WORK

2.1 The work includes all labor, materials, tools, and equipment required for the proper execution of waterproofing works as per technical specifications and drawings.

3. CONTRACT DOCUMENTS

3.1 The contract includes the tender document, agreement, specifications, BOQ and any correspondence between the contractor and IIIT-Dharwad.

4. MATERIALS AND WORKMANSHIP

4.1 All materials shall be new, approved, and conform to relevant IS standards.

4.2 Work shall be executed strictly as per the approved technical specifications and directions of the Engineer-in-Charge.

5. SITE CONDITIONS

5.1 The contractor shall be deemed to have inspected the site and be fully aware of all conditions before quoting.

6. PROGRAMME AND PROGRESS

6.1 A work schedule must be submitted and approved before commencement.

6.2 Progress shall be monitored periodically. Any delays must be reported immediately.

7. SAFETY AND PROTECTION

7.1 The contractor shall follow all applicable safety regulations and ensure protection of workers, adjacent structures, and services.

8. MEASUREMENTS AND PAYMENTS

8.1 All works shall be measured as per IIIT-Dharwad standard methods and recorded jointly by the Engineer-in-Charge and contractor.

8.2 Payment will be made as per certified measurements and agreed BOQ rates.

9. WARRANTY AND GUARANTEE

9.1 The contractor shall submit a warranty bond equivalent to **2.5% of the final contract amount** in the form of a **Bank Guarantee** from a scheduled bank valid for the defect liability period, starting from the date of completion of the work. This bond shall be released only after satisfactory completion of the DLP 12 years.

9.2 The contractor shall ensure application is carried out in accordance with manufacturer specifications.

10. TERMINATION AND PENALTIES

10.1 The department reserves the right to terminate the contract for non-compliance or unsatisfactory performance after due notice.

11.2 Delays shall attract liquidated damages as per KPWD norms.

11. ARBITRATION AND DISPUTES

11.1 Any dispute shall be referred to the competent authority in IIIT-Dharwad. If unresolved, it shall be subject to arbitration as per the Arbitration and Conciliation Act

SPECIFIC CONDITIONS OF CONTRACT (SCC)

1. WARRANTY AND GUARANTEE

1.1 The contractor shall provide a minimum 12-year warranty from the date of completion on the waterproofing system, both for materials and workmanship.

1.2 A guarantee certificate duly signed by the authorized manufacturer or supplier shall be submitted before final billing.

2. APPROVED PRODUCTS AND APPLICATORS

2.1 Only approved and branded waterproofing materials conforming to relevant IS/ASTM/EN standards & in line to satisfy GCC & SCC shall be used.

2.2 Application shall be carried out by certified and trained applicators with proven experience.

3. SITE CONDITIONS AND APPLICATION RESTRICTIONS

3.1 Application must be carried out on a clean, dry, and dust-free surface. Moisture content shall be tested before application.

3.2 Application should not be done during rain or in extreme temperatures unless explicitly permitted by the Engineer-in-Charge.

4. TESTING AND QUALITY ASSURANCE

4.1 A 24 to 72-hour ponding test shall be conducted on horizontal waterproofed surfaces and certified by the Engineer-in-Charge.

4.2 All materials used shall be supported by manufacturer's technical data sheets and testing certificates.

4.3 The department reserves the right to test any material through an independent laboratory.

4.4 The contractor's responsibility to maintain all material consumption registers & specified checklists inline with specifications and advised by engineer in charge.

4.5 The contractor shall arrange to prove the dampness free inside surface by arranging required test equipment's recommended by manufacturer and Engineer in charge.

5. SURFACE PREPARATION

5.1 Substrate shall be prepared by mechanical grinding, water jetting, or wire brushing to remove laitance, dust, grease, etc.

5.2 Minor surface defects shall be repaired prior to waterproofing.

6. COMPATIBILITY AND LAYERING

6.1 All layers of the waterproofing system (primer, membrane/coating, protection screed) must be compatible and sourced from the same manufacturer.

6.2 Details at joints, bends, and pipe penetrations must follow the manufacturer's recommendations.

7. PROTECTION AND COVERING

7.1 Waterproofed surfaces shall not be walked upon or loaded until a protective screed or tile layer is laid.

8. DEFECTS AND REPAIRS

8.1 Any leakage, dampness, or signs of failure observed during the Warranty period shall be rectified free of cost by the contractor.

8.2 In case of repeated failure, the entire section shall be removed and reapplied at contractor's risk and cost.

9. PROGRESS REPORTING AND SUPERVISION

9.1 The contractor shall maintain a daily logbook indicating weather, material batch numbers, area covered, and observations.

9.2 Manufacturer's technical representative must be present on site at entire process of application.

TECHNICAL CONDITIONS OF CONTRACT (TCC)

1. SCOPE OF WORK

1.1 The scope includes surface preparation, supply and application of waterproofing treatment for terraces, sunken portions, basements, and wet areas as per approved specifications and BOQ

2. MATERIALS

2.1 All waterproofing materials shall conform to the latest BIS codes and be approved by the Engineer-in-Charge.

2.2 Only manufacturer-recommended ancillary products (primers, adhesives, sealants, reinforcing mesh, etc.) shall be used.

2.3 Storage of materials must be as per manufacturer's instructions in dry, shaded, and clean spaces.

3. SURFACE PREPARATION

3.1 Surfaces must be free from dust, grease, laitance, loose particles, and any foreign matter.

3.2 Moisture content should be checked before application using a moisture meter.

3.3 All undulations, honeycombs, and cracks shall be repaired using suitable mortar or approved sealant.

4. APPLICATION METHODOLOGY

4.1 Application must follow a complete system approach – primer, base coat, reinforcement layer (if required), and top coat.

4.2 All products must be applied as per the manufacturer’s specifications and technical data sheets.

5. SYSTEM TYPES

5.1 PU based single component elastomeric pure polyurethane based coating Waterproofing: Initial 1 coat with primer followed by two coats of Finishing coats.

5.2 using three component Epoxy based tile joint filler for bathroom tiles, non-sag waterproof grout, chemical and UV resistance.

5.3 Applying single component Polyurethane based cold applied seamless waterproofing coating to the RCC surface like Roof & Podium area with Injection grouting.

6. QUALITY CONTROL AND TESTING

6.1 The contractor shall maintain quality control logs, Consumption registers checklist and material test certificates.

6.2 A 24-hour ponding test shall be conducted prior to protective covering.

6.3 Random core-cut tests may be conducted to verify DFT (Dry Film Thickness) of coatings.

7. PROTECTION AND FINISHING

7.1 Waterproofed surfaces shall be protected with screed or tiling as directed.

7.2 Protective coverings shall be laid only after successful completion of testing.

8. MANUFACTURER'S SUPPORT

8.1 Manufacturer shall provide technical support including site visits, application supervision, and issuing warranty certificate.

8.2 Contractor must obtain an application certificate from the manufacturer upon completion.

9. TECHNICAL SUBMITTALS

9.1 The contractor shall submit product data sheets, method statements, and work schedule prior to commencement.

SCHEDULE – B						
Reference	**Sl.No**	**Description of Items**	**Unit**	**Quantity**	**Rate**	**Amount**
PWDSR VOL II	15.2(Page-149)	Providing and Applying PU based Elastomeric Liquid Applied PU Waterproofing Membrane single component, cold applied, water based acrylic PU dispersion with highly elastic and UV resistant water proofing treatment to the Existing Roof surface/Chajjas/Sunken portion of WC: Bathroom applied @ 1.2 l/per m2, having tensile strength greater than 1.5N/mm2, elongation greater than 300% with solid content not less than 60% in 2 coats including surface preparation, priming the surface with water based acrylic primer @0.1 l/m2, and spreading 60 gsm geotextile between two top coats completely as per specification. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification.	Sqm	3000	737	2,211,000.00
PWDSR VOL II	15.28 (Page-157)	Providing and grouting tile joints, Cutting the tile joints with the help of cutting machine (width 3mm-15mm) and filling with of matching shade, using three component Epoxy based tile joint filler, non-sag waterproof grout, chemical and UV resistance, Pot life ≤ 60 mins, VOC (EPA 24) < 8gm/kg and water absorption after 7 days < 0.5g Joints shall be clean, dry, free from dirt, etc prior to application. Apply tile grout using a rubber trowel/grout floater, press firmly into joints, ensure complete fill and remove exces grout from surface using suitable method. The work shall be carried out as per the directions of the Engineer Incharge	Sqm	1100	850	935,000.00
PWDSR VOL II	15.12 (Page-152)	Providing and Applying single component Polyurethane based cold applied seamless waterproofing coating to the RCC surface like Roof & Podium area applied @ 2.4kg/m2 in 3 coats to achieve 1.5mm DFT, including a prime coat of solvent free, medium viscous, epoxy primer @0.2L/m2 and protection with 120gsm Geo-textile over the 7 days cured waterproofing membrane. The Waterproofing material shall have Solids > 85%, Tensile strength >2 Mpa as per ASTM D 412, Elongation at break >400% confirms to ASTM C 1305 for crack bridging ability (no cracks up to 3.2mm) Shore A Hardness >55 as per ASTM D 2240, Adhesion to peel after water immersion as per ASTM C 794 at 5.2N. Resistance to root penetration as per UNE CN/ TS 14416. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 60gsm Geo-textile over the angle fillet when	Sqm	450	1165	524,250.00

		the first coat in still wet, treatment of cracks completely as per specification				
PWDSR VOL II	15.29 (Page-157)	Providing waterproof treatment to Raft Slab using 2 coats of acrylic co polymer elastomeric Acrylic co-polymer elastomeric sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc., The surface shall be applied with basecoat of healer sealer crystallization liquid and then Acrylic co-polymer elastomeric sealer & protector, wetting agent and liquid (1:1:6) over the prepared surface. In addition, making haunch at junction of Wall and Slab visible cracks are opened and sealed with flexicrack paste. Over this one coat of flexible cementations membrane (FCM), Spreading one layer of HDPE membrane as reinforcing material (over FCM) with one primer coat of Acrylic co-polymer elastomeric sealer & protector & applying second coat of Acrylic co-polymer elastomeric sealer & protector liquid over the primer coat - conforming to ASTM C 1202, DIN 1048 part 5, The work shall be carried out as per the directions of the Engineer in charge	Sqm	100	1,050	105,000.00
		Note : The Water Proofing System rates are inclusive of surface prepation and cleaning.				
Total Amount						**37,75,250.00**