

**PRICE BID - FOR WATER PROOFING OF TERRACE - ANNEXURE 1**

| S.NO. | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Make | Alternate Make | Unit | Qty  | Rate | Item |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|------|------|------|------|
| 1     | <b>Surface Prepration:</b> Remove the existing Surface, and clean thoroughly to remove dust, debris, loose particles, oil, grease, and organic growth. Laitance should be removed by mechanical means. Smooth substrates must be mechanically roughened to provide an adequate adhesion of waterproofing material with the surface. Make sure access should be their undernaeth pipes so that waterproofing can be easily done and can be cured. Thickness of existing surface upto 100 mm, which includes china mosaic, PCC, APP Membrane - complete upto mother slab. All debris will be shifted from terrace to gate no. 5 manually. | NA   |                | SQM  | 1100 |      | 0    |
| 2     | <b>Construction Joint &amp; Crack Treatment:</b> Chase open construction joints in V shape of 15mm x 15mm using suitable means, later cleaning the same using water jet and applying a bond coat of SBR mixed with cement and water in a ratio of 1:1:3 (Water : Polymer : Cement), followed by filling of Polymer modified mortar having atleast 40 MPA compressive strength. In case of structural cracks/poor or weak construction joints, injection grouting shall be carried out either using cementitious Grout or Low viscous epoxy grout, depending upon the kind of cracks and shall be paid separately.                       | NA   |                | RM   | 200  |      | 0    |
| 3     | <b>Injection Nozzle Packing:</b> Drilling and fixing injection packers in RCC members for cementitious grouting, drilling holes in structural members at the intervals as per recommendations/ requirements, cleaning the holes by air blower prior to fixing nozzles. Insert 12 mm dia, 50-75 mm long PVC or equivalent injection packers in cleaned holes with fast setting mortar like Renderoc Plug or equivalent. Cut the packers by cut of wheel after completion of grouting without damaging structural elements.                                                                                                               |      |                | EACH | 20   |      | 0    |

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| 4     | <b>Injection Grouting:</b> Supplying & applying plasticised expanding grout admixture cementitious grouts like Cebex 100 or equivalent having Chloride content: Nil as per BS:5075, typical unrestrained expansion of upto 4% in general. The admixture should be mixed @ 225 gms per 50kg of cement, as per manufacturers specification and as directed. Providing and fixing of nozzles shall be paid separately. Payment shall be made on actual quantity of grout (including cement) consumed.                                                                                                                                                                                                                                  | Fosroc - Cebex 100        |                | KG   | 200 |      | 0    |
| 5     | <b>PU Grouting:</b> Supply and apply ( <b>Where required</b> ) of water-stopping injection resin. The Semi-flexible, single component, low viscosity, polyurethane, crack injection resin system shall be Nitofill PU 11R. When injected into cracks and voids in concrete, the resin shall form a slightly semi-flexible and impermeable barrier in both dry and damp conditions. The semi-flexible, low viscosity, polyurethane, crack injection resin system shall have the following properties; cream time of $12 \pm 5$ sec depending on temperature at 10% accelerator dosage, rise time of 48 to 55 sec at 25°C temperature and 10% accelerator dosage; viscosity of 350 to 450 mPa.s at 25°C; density of $1.08 \pm 0.05$ . | FOSROC - Nitofill PU 11R. |                | KG   | 200 |      | 0    |

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| 6         | <b>Coving:</b> Providing and applying of Nitoband TPE, flexible permanent sealing system with polyester carrier surface for all joints, cracks and pipe penetration locations, supplied in 50m Roll, having Density (ASTM D 792) 0.98 g/cc, Tensile strength Longitudinal direction D(ISO 527-3) - 11 Mpa, Elongation at Break (ISO 527-3) - 67%, Resistance to water pressure (EN 1928) - Watertight in 50kPa pressure for 24 hours, Puncture resistance (ASTM E154) 284 N, Water pressure resistance 3 bar, Temperature Resistance -30°C to +90°C, UV Resistance 500 hours. The tapes, prefabricated corners and squares can be fixed with liquid applied cementitious, Polyurethane and Acrylic waterproofing membrane. Item rate is inclusive of materials all labour, tools and tackles, surface preparation and cleaning of concrete surface, and transportation etc. complete as per specification and as directed by EIC. | FOSROC - Nitoband TPE |                | Rnmt               | 300 |      | 0    |
| <b>or</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                |                    |     |      |      |
|           | <b>Coving:</b> Making Gola or Coving 1:3 (1 Cement: 3 Coarse Sand) with SBR at rounding off junction of vertical and Horizontal surface (150-200 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                | RMT - Rate of      | 300 |      |      |
| 7         | <b>Irregular Surface Treatment:</b> Providing and applying a 20 mm thick layer of Renderoc SP40, a shrinkage-controlled, polymer-modified, fibre-reinforced cementitious repair mortar designed for wet spraying and hand application in structural and load-bearing concrete repair, particularly on vertical and overhead surfaces.<br>Renderoc SP40 is supplied as a single-component dry powder blend requiring only the addition of clean water. It is ideal for rapid, high-volume repairs such as mass infill, irregular profiles, and fire-damaged concrete.<br>The product achieves over 55 MPa compressive strength at 28 days (spray application), with low drying shrinkage (<1000 microstrain), and meets Class A1 fire rating per EN 1504-3.                                                                                                                                                                        | Renderoc SP40         |                | Sq. Mtr<br>Rate Of |     |      |      |

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| 7     | <b>Priming:</b> After surface preparation, all cleaned and repaired areas must be primed using Nitoproof WB Primer. The primer is a two-component system, which should be mixed thoroughly until a uniform paste is formed. Then, double the volume of clean water must be added and mixed to form a low-viscosity milky white liquid. The primer must be applied evenly over the surface using a brush or roller. This step ensures better bonding of Brushbond Roofguard Premium to the substrate and must be allowed to dry completely before proceeding with the membrane application.                                                                                                                                                                                                                                                                                                                                                                                             | FOSROC - Nitoproof WB Primer |                | Sqm     | 1100 |      | 0    |
| 8     | <b>Waterproofing coating:</b> Providing and applying waterproofing treatment to sound, moisture free surface using Nitoproof 600PF manufactured by Fosroc Chemicals. It shall be liquid applied single component pitch free polyurethane coating capable of bridging the substrate cracks upto 2 mm and Solid content%: >85%. It shall be applied in <b>two coats</b> at coverage rate of 2.5 kg/sqm for 1.5 mm thickness DFT. The membrane formed shall confirm to following minimum properties:<br>1) Elongation: 500 % to 700 % as per ASTM D 412<br>2) Tensile Strength: 2 N/mm2 as per ASTM D 412<br>3) Adhesion in-peel test: >50 N as per ASTM C- 836<br>4) Recovery from 350% elongation: 95% as per ASTM D 412<br>Well cleaned, dry and levelled concrete surface shall be primed with Nitoproof WB Primer, (diluted with water in a ratio of 1 Part Primer : 2 Part Water), applied at coverage of 8sqm/Litre (After Dilution), followed by application of Nitorpoorf 600PF. | FOSROC - Nitoproof 600PF     |                | Sq. Mtr | 1100 |      | 0    |
| 9     | <b>Protection layer:</b> Providing and installing 150 GSM non-woven geotextile membrane over the finished waterproofing treatment prior to protection screed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                | Sqm     | 1100 |      | 0    |

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| 10    | <b>Protection Screed:</b> Providing and laying of average 75mm thk (min 50mm at the drains) M20 grade Concrete admixed with approved integral waterproofing compound like Conplast WLXtra, including making of concave coving of size 100mm * 100mm at the wall-floor corners using same concrete. Item rate includes placing, finishing, curing all complete as per the direction of Engineer In Charge. Add polypropylene fibre mesh/microfibres in the screed mix to control shrinkage cracking, complete as specified and directed by the Engineer.                                    |                               |                | Sq. Mtr | 1100 |      | 0    |
| 11    | <b>Vertical Plaster:</b> Providing and applying 12 mm thick cement plaster proportion 1:4 admixed with integral waterproofing admixture with WL Xtra.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |                | Sqm     | 200  |      | 0    |
| 12    | <b>Priming:</b> After surface preparation, all cleaned and repaired areas must be primed using Nitoproof WB Primer. The primer is a two-component system, which should be mixed thoroughly until a uniform paste is formed. Then, double the volume of clean water must be added and mixed to form a low-viscosity milky white liquid. The primer must be applied evenly over the surface using a brush or roller. This step ensures better bonding of Brushbond Roofguard Premium to the substrate and must be allowed to dry completely before proceeding with the membrane application. | FOSROC - Nitoproof WB Primer. |                | SQM     | R/O  |      |      |

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| 13    | <p><b>Waterproofing coating:</b> Providing and applying Brushbond Roofguard Premium, a one-component, flexible, color-stable acrylic-modified polyurethane hybrid waterproofing coating, by first gently stirring it with a slow-speed drill to achieve a smooth, lump-free consistency without air entrapment. The first coat should be applied using a roller, brush, squeegee, or airless spray at a wet film thickness of approximately 0.5 mm, then allowed to dry completely for 1–5 hours depending on weather conditions. Once dry, apply a second coat at a right angle to the first, maintaining the same wet film thickness of 0.5 mm for full coverage and film build-up. Repeat the process as necessary to achieve a total dry film thickness of 1 mm (4 Coat required), ensuring long-term durability of the waterproofing layer.</p> <p>The membrane formed shall confirm to following minimum properties:</p> <p>1.Solids by volume: 50%</p> <p>2.Density : 1.30 ± 0.05% g/cc</p> <p>4.Tensile Strength (ASTM D412): &gt;2 Mpa</p> <p>5.Tear strength, ASTM D624): 13 N/mm</p> <p>6.Elongation (ASTM D412): 300%</p> <p>7.Crack bridging, static / dynamic , ASTM C836: 2mm</p> <p>Do not apply if:</p> <p>Substrate temperature is &lt;5°C</p> <p>Substrate is wet, moist, or has a moisture content &gt;6%.</p> <p>Ambient humidity is &gt;85% or rain is expected within 24 hours.</p> <p>The coating offers strong adhesion to concrete substrates when used with Nitoproof WB Primer, and is reinforced with geotextile or Nitoband systems over joints and cracks.</p> <p>After completion of application, the coating must be allowed to cure naturally for</p> | Brushbond Roofguard Premium |                | SQM  | R/O |      |      |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |                |      |     |      |      |

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| 14    | Providing and fixing approved make tiles using polymer-modified cementitious tile adhesive, including surface preparation, removal of dust, dirt, oil, grease, loose material, laitance, curing compounds, etc.; mixing the adhesive with clean potable water at approximately 5.5–6.0 litres per 20 kg bag, allowing the mixture to slake for 5 minutes, remixing and applying with a suitable notched trowel; laying and firmly pressing the approved tiles to ensure proper bonding, alignment and level, including cutting, joint finishing, cleaning and all necessary operations,.<br>Size of Tile - 400 mm x 400 mm x 8 mm thick. with spacer 3 mm | LATICRETE<br>® 315 High<br>Flex<br><br>Tile - Endura<br>Cool Roof<br>SRI Tiles,<br>Make<br>Jhonson |                | Sq. M | 1100 |      | 0    |
|       | Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                    |                |       |      |      | 0    |
|       | GST @ 18%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                    |                |       |      |      | 0    |
|       | Total with GST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                    |                |       |      |      | 0    |