

SR. NO.	PARTICULARS	QTY.	UNIT	RATE	AMOUNT
1	<p><b>DISMENTALING EXISTING WATER PROOFING INCLUDING VATA &amp; CARTING AWAY DEBRIS TO MUNICIPAL DUMPING GROUND (Refer R3-CS-DD-56 &amp; R3-CS-DD-53 USOR 2023 MCGM )</b></p> <p>Dismantling &amp; removing of existing brick bat coba, waterproofing layers, RCC Pardi /brick masonry wall /floor tiles of all thickness with the help of mechanical concrete breaker with min. hammering. The terrace slab to be thoroughly cleaned with wire brush and to be washed with water to identify the cracks on the slab before waterproofing treatment. The contractor should show the terrace slab surface to the Architect before water proofing treatment. Demolished material/Debris to be carted out from terrace to the ground floor location shown by the Architect/Engineer inside the plot and the same to be carting away immediately to municipal dumping area after taking necessary permission from BMC. All precaution shall be taken to prevent any type of accident. while demolition necessary support to be provided for existing pipes of plumbing, chill water pipelines etc. During execution of work if any accident and claim caused due to carelessness of the contractor the same shall be responsibility of contractor at there own risk and expenses. Complete as directed by the Architect/Engineer. (Payment will be made as per floor area) Contractor should inspect the site and quote accordingly.</p>	580.00	SQ.MT.		
2	<p><b>Dismantling existing plaster (Refer R3-CS-DD-50 &amp; R3-CS-DD-53 USOR 2023 MCGM )</b></p> <p>Refer Same specification as mentioned in item no. 1. The plaster to be removed carefully with out damaging the surface. Demolished material/Debris to be carted out from Terrace Floor to the ground floor location shown by the Architect/Engineer inside the plot and the same to be carting away immediately to municipal dumping area after taking necessary permission from BMC . Complete as directed by the Architect/Engineer. (The rate should be inclusive of Scaffolding)</p>	250.00	SQ.MT.		
3	<p><b>Dismantling pedestal of A.C. &amp; Electric Cable Tray</b> <b>13"x 6"x 2-1/2"=23nos, 39"x 18"x 8"= 2 Nos., 10"x 8"x 6"=16 Nos. &amp; 15"x 6"x 6"=31 Nos.</b></p> <p>Refer Same specification as mentioned in item no. 1. Removing the existing pedestal as per the direction and temporary supports to be given as per the direction of the Architect. Demolished material/Debris to be carted out from Terrace Floor to the ground floor location shown by the Architect/Engineer inside the plot and the same to be carting away immediately to municipal dumping area after taking necessary permission from BMC. Complete as directed by the Architect/Engineer.</p>	40.00	EACH		
4	<p><b>Removing &amp; refixing Pedestal of outdoor A.C.</b> <b>26"x 42"=2 Nos. &amp; 56"x 56"=3 Nos.</b></p> <p>Refer Same specification as mentioned in item no. 1. The Contractor should remove the pedestal after the A.C. vendors remove the precision A.C. outdoor unit without damaging the surface. Demolished material/Debris to be carted out from Terrace Floor to the ground floor location shown by the Architect/ Engineer inside the plot and the same to be carting away immediately to municipal dumping area after taking necessary permission from BMC. Complete as directed by the Architect/ Engineer.</p>	5.00	EACH		
5	<p><b>Cementous Grouting where heavy leakage (4 Nozzles per SQ.MTS) (Refer R3-CS-RF-10 &amp; R3-CS-RF-11 USOR 2023 MCGM )</b></p> <p>Thoroughly clean the surface of slab with wire brush and Fill the slab area to check the water tightness of the RCC slab / sunken slab prior to waterproofing treatment. Mark the leaking points and treat them to make the leaking spots watertight using injection cement grout mixed with Master Flow 150 or low viscous epoxy grout using Master Inject 1315 by drilling the hole and fixing the nozzles using Master Emaco S 348 or equivalent (Sika/BASF/Fosrock/ Sunanda/ kerakoll/ Mapei) Note: Rate is inclusive of cement. Complete as directed by the Architect / Engineer.</p>	1500.00	PER NOZZEL		

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6	<p><b>Surface preparation treating the slab with waterproofing treatment</b></p> <p>First Part: Surface preparation:- Mechanically grinding of substrate, sealing cracks , making fillet 50X50mm using dual shrinkage compensated prepacked mortar.</p> <p>Second Part: Priming:- Providing and Applying Two component Water based Moisture insensitive Epoxy Primer over the surface at 200g-250g consumption</p> <p>Third Part: Waterproofing Membrane -Providing and applying solvent free , &gt;98% solids, Two component, PU waterproofing using MasterSeal M 862 of Master Builders Solutions at 1.5mm total average DFT to be applied at minimum consumption of min 2.0 kg per sqm incl. wastage as per approved manufactures specifications.</p> <p>- Tensile strength in Range of 6-8 Mpa as per ASTM D 412  - Elongation &gt; 600% ASTM D 412  - Tear &gt; 30N/mm as per ASTM D 624  - Shore A Hardness 75+-5 as per ASTM D 2240  Crack bridging 3.2mm as per ASTM C 836</p> <p>Fourth Part: Shall consist of protection of membrane using 300 GSM PP geotextile. The area around floor trap shall be made fully water tight.</p> <p>Approved Makes: Sika /BASF/Fosrock/ Sunanda/ kerakoll/ Mapei. complete as directed by the Architect/ Engineer. (The Contractor should give guarantee of 10 years for waterproofing on stamp paper in Bank's format.)</p>	580.00	SQ.MT.		
7	<p><b>Conventional waterproofing with brick bat coba with china mosaic (Refer R3-CS-WP-24 USOR 2023 MCGM )</b></p> <p>Water Proofing (Brick bat Coba 125mm average thickness) on slab/sunken slab area:- providing and fixing / laying in sunken area with well burnt bricks or sliced brickbats of approved size in required layers in cement mortar 1:4 (1 cement: 4 coarse sand) mixed with BASF/Fosrock/ Sunanda/ kerakoll/ Mapei water proofing compound as per manufactures specification etc. complete as directed to receive final floor finish cost including curing and testing by water pounding for 72 hours. The rate is inclusive 150mm Vata in 1:1-1/2:3 with Waterproofing compound complete as directed. All above operations to be done in order and as directed and specified by the Engineer-in-Charge : (with 10years' service guarantee by Mfg. &amp; Contractor) Any defects / leakage noticed during the guarantee period shall have to be rectified at free of cost including reinstating the surface to its original condition. Providing &amp; laying CHINA MOSAIC WATER PROOFING TREATMENT from broken wall / floor tiles (mixed color tiles in 1:4 cement sand mortar bed). minimum thickness 15mm and in maximum thickness 25mm at floor of building .using bonding agent chemical of ( BASF/SBR latex/ RBRI atex of fosrock, Sika, Dr. Fixit or equivalent) approved by engineering in charge.</p>	580.00	SQ.MT.		
8	<p><b>Parapet wall plastering</b></p> <p>Providing and applying waterproof plaster of average 20 mm thick in C.M. (1:3) in 2 coats on the walls mixed with MasterPel 777 or equivalent (water proofing compound) as per specification, including surface preparation, curing etc. complete as directed Architect/ Engineer.</p> <p>(The rate should be inclusive of scaffolding if required)</p>	250.00	SQ.MT.		
9	<p><b>POLYMER WORK (R3-CS-RF-16 &amp; R3-CS-DD-2 USOR 2023 MCGM )</b></p> <p>Before demolition Examine concrete by tapping with light hammer and carefully removing carbonated concrete around the rebars up to 15-40 mm depth by low impact high frequency hammer/chipper without damaging the sound concrete. The chipped concrete shall be cleaned using high pressure water jet with clean potable water. Daily cleaning and stacking of debris at prescribed location in polypropylene/ paper bags, disposing off the debris so generated on weekly basis out side the premises, etc. The area to be marked in straight line geometrical forms, The demarked area shall be grove cut by cutter on periphery to make perfect wedge shapes up to 25 mm depth. Complete including stacking the serviceable material as directed at site &amp; carting away unserviceable material/ debris to a place approved by Mumbai Municipal Corporation. Complete as directed by the Architect / Engineer. The rate is inclusive of necessary scaffolding, formwork, plates and metal supports etc. as directed by the Architect/Engineer)</p>				

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	<p>Alkaline rust converting primer for exposed reinforcement bars Clean existing reinforcement with wire brush/ rotary wire brush to make surface free from rust scales, loose material, dirt etc. complete and Providing &amp; applying Alkaline Rust converting primer Feovert in two coats conforming to ASTM-B-117 &amp; ASTM-G-60-86 to exposed existing rebars after removing &amp; cleaning loose rust by wire brush and leave it for 6-8 hours. The rust converter shall have a minimum pH of 7.5 and shall be able to convert both hematite and magnetite forms of rust shall pass 400 alternate immersion cycles in 3.5 % NaCl. wherever directed it should be cleaned using high pressure water jet with clean potable water. Complete as directed by the Architect / Consultant / Engineer. The rate is inclusive of necessary scaffolding, formwork, plates and metal supports etc. as directed by the Architect/Engineer) Rebuilding the section of damaged RCC elements to its original size or as per consultants recommendations by providing and casting with micro concrete of grade M40 including providing and fixing of watertight foam faced finish shuttering where ever required of minimum 18 mm th. with supporting framework,all lead lift, mixing, placing, deshuttering, levelling the surface by grinding off cementitious slurry or construction joint differences if any to satisfaction of engg. incharge, curing etc. complete.(Rate including- cube test to be conducted for every 5 M.T. workdone.6 no's of sample required per test).</p> <p>Ensure the quality of water by testing water as per IS 456 and document the same. Ensure temperature at time of mixing should be between 25 to 40 degree Celsius by electronic temperature gauge Complete as directed by the Architect/Engineer. KRISHNA CONCHEM / BASF / FOSROC / SUNANDA / SIKA</p>	100.00	Sqmt		
10	<p><b>PLASTERING</b> Providing and laying Internal plaster of average 12/15 mm thk in Two coats in CM 1:4 to walls, ceiling at all heights including necessary scaffolding curing etc complete. Rate includes adding polypropylene fibre of approved quality as per proportion specified in the manufacturers specifications, chicken mesh, nails, curing etc complete as directed by the Architect/ Engineer.</p>	100.00	SQ.MT.		
11	<p><b>Reconstruction of pedestal</b> Providing and laying in position specified grade of reinforced cement concrete, including the cost of centering, shuttering, finishing and reinforcement of grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Provide &amp; fix 12mm ms bar with 8mm stirrups at 150mm centre to centre as directed by the Architect/Engineer. the entire pedestal to be finish with 20mm Cement plaster in 2 coats. complete as directed by the Architect/Engineer.</p>				
a	13"x 6"x 2-/2"=23nos	23.00	EACH		
b	39"x 18"x 8"= 2 Nos.	2.00	EACH		
c	10"x 8"x 6"=16 Nos.	16.00	EACH		
d	15'x 6"x 6"=31 Nos.	31.00	EACH		
12	<p><b>Removing &amp; Refixing Aluminium Louvered Partition (18 Panels)</b> Removing &amp; refixing existing aluminium partition as directed by the Architect/Engineer</p>	65.00	SQ.MT.		
13	<p><b>Removing &amp; Refixing Aluminium Composite Panel</b> Removing &amp; refixing existing aluminium composite Panel as directed by the Architect / Engineer. The rate is inclusive Removing existing joint sealant and filling it with fresh Dow Corning 789/PU sealant- Masterseal NP 473 U as directed by the Architect.</p>	195.00	SQ.MT.		
14	<p><b>Enamel Paint</b> Providing and applying one priming coat 2 &amp; 3 coat or synthetic enamel paint over M.S. section surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter with wire brush fine steel wool and sand paper, scaffolding etc. Complete as directed by the Architect.</p>	50.00	SQ.MT.		

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15	<b>Sandtex Matt exterior Paint</b> Painting External side walls (if any) with two coat of water proof cement paint of approved shade & make of super snowcem or equivalent over one coat white cement including preparing the surface, filling as required, curing etc. Colour scheme should match External surroundings. Complete as per the Mfg. Specification and as directed by the Architect.	84.00	SQ.MT.		
	<b>Total cost of Waterproofing &amp; Allied Work</b>			RS.	

GST Will be payable extra