

PRELIMINARY ESTIMATE FOR REPAIR & RENOVATION WORK IN SECOND FLOOR & ROOF OF ACADEMY BUILDING (PART) AT BLIND BOYS' ACADEMY, RAMAKRISHNA MISSION, NARENDRAPUR.

Sl.		Description of Item	Unit	Qty	Rates	Amount
1.00		<i>REPAIR OF CONSTRUCTION JOINT In roof adjacent to main stair hall :-- dismantling the existing dwarf brick wall & cutting all along the construction / expansion joint upto requisite level of roof slab & restoration of all the joints as per standard procedure with elastomeric sealant as per specifications.</i>				
1.01	P-10 Item 1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				
		In Roof of Second Floor	cu..m.	2.1		
1.02	P-10 Item 2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				
		In Roof of Second Floor	cu..m.	60		
1.03	P-11 Item 10	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. - in internal walls and ceilings of classrooms.	sq.m.	140		
1.04	P-46 Item 11	Removing corroded worn out portion of reinforcement (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new plain round bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in - charge. Note : Payment on weight (Kg.) of new reinforcement. - In existing beams and slabs.	Kg	30		
2.00	P-278 Item 8	Renewing expansion joint with Elastomeric Polysulphide Sealant of gap size 50mm X 25mm including cleaning of the expansion joint thoroughly, mending of edges & surface, placing 50mm dia Backer rod as back up material with the cost of materials, labours, & all other incidental charges as per manufacturer's specification & direction of Engineer-in- charge.				
		In Roof of Second Floor	M	76		
3.00	P-46 Item 10	Polymer concrete made with water resistant bonding agent of synthetic rubber emulsion as per manufacturer's specification excluding the cost of cement concrete (2.75 Kg / bag of cement) Note : Payment on volume of (1 : 1½ : 3) Concrete	cu..m.	96		

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Sl.		Description of Item	Unit	Qty
4.00	P-45 Item 9	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	Kg	40
5.00	P-42 Item 35	Extra rate for adding Polyester Fibre anti shrinkage material @ 0.25% by weight of cement [or as per Manufacturer's Specification] as secondary reinforcement to arrest hair crack in concrete including cost of Fibre .	Kg	20
6.00	P-186 Item 8	String course up to 75 mm projection and upto 150 mm depth 15 mm thick plasterd (1:4) (including stripping off old surface where necessary) complete. (Cement 6.6Kg/Mtr.) In ground floor.	M	125
7.00	P-186 Item B.1	Renewing throating, nosing or drip course moulding with 15 mm. thick cement plaster (1:4) complete. (Cement 0.7Kg/Mtr.) In ground floor.	M	125
8.00	P-192 Item B.1	Labour for Chipping of concrete surface before taking up Plastering work	sq.m.	125
9.00	P-12 Item 13	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	cu..m.	115
10.00	P-92 Item 4	Supplying & laying 3mm thick pre-fabricated plastomeric water proofing membrane conforming to EN 12311-1 & ASTM D 5147, manufactured with atactic poly propylene (APP) modified premium grade asphalt, specially reinforced with non-woven polyester core with polyester reinforcement @160 gms per sqm & both faces covered with thermo-fusible polyethylene film /Mineral on top face over a coat of primer @ 0.40 lit/sqm of manufacturer's specification on smooth, clean dry surface prepared wherever required. Lap joint shall be provided of 75 mm in longitudinal & 100 mm in transverse direction and fused using LPG/ Propane torch employing extra care ensuring full bondage, complete removal of entrapped air and sealing edges into grooves in appropriate manner as per direction of Engineer-in-charge all complete including materials, labour and applicable taxes. (Payment shall be made on the basis of finished surface area.)	sq..m.	1115

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Sl.		Description of Item	Unit	Qty
11.00	P-189 Item A1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]		
		(i) With 1:6 cement mortar		
		(a) 25 mm thick EXTERNAL plaster	sq..m.	140
12.00	P-193 Item C1	Extra for each additional floor over the rate for ground floor -- In Second Floor	sq..m.	140
		(iii) With 1:3 cement mortar		
		(a) 20 mm thick INTERNAL plaster	sq..m.	210
13.00	P-193 Item C1	Extra for each additional floor over the rate for ground floor -- In Second Floor	sq..m.	210
14.00	P-203 Item B1	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint.	sq..m.	210
15.00	P-198 Item B5	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand. (1.5 mm thick) -- In Internal walls of Second Floor.	sq..m.	210
16.00	P-195 Item 7	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC -- 2 coats of solvent based interior grade acrylic primer.	sq..m.	210
17.00	P-201 Item 4	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty -- 2 coats in Second Floor.	sq..m.	210