

TILAK AYURVED MAHAVIDYALAYA

GIRLS HOSTEL BUILDING NO.2, 479/2, CYCLE COLONY, INFRONT OF HOTEL SHANTAI, PUNE - 411011 TECHNICAL BREFING & BILL OF QUANTITIES FOR TENDERING

SRN	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT	REMARKS
A REMOVING OF GROUND FLOOR PASSAGE SLAB						
1	Dismantling of Porch cum Passage slab by Electrical Breaker with required proping, Supporting, Strutting including carting of concrete debris out of premises by means of Mechanical Transportation etc all complete	15.44	SQM			
B PLINTH PROTECTION AROUND BUILDING						
1	Excavation up to a depth of 600mm ,in all type of soils incl. cutting of Tree roots, Shrubs, Removing of Boulders to finished line & level, all around Building periphery including removing of excavated soil out side the premises , by Manual & Mechanical means	74.70	CUM			
2	Providing & Laying 230mm thick soling with stone screening as binding material for sub-grade with contractor's materials, labor, plant and machinery including all leads and lifts, loading, unloading, transporting to site, stacking, spreading to line, grade, camber, watering, compacting with compactor	124.50	SQM			
3	Providing and laying in position Plain cement concrete M15 Minimum Average 150 mm Thick in screed, finishes, filling etc. including the cost of centering and shuttering with proper compaction, curing, finishing, roughening of surfaces wherever required , top surface of the concrete to be finished smooth wherever required, providing slopes, gradients, cost of labour, loading and unloading, transportation, scaffolding/shuttering and all other incidental charges etc., with all leads and lifts, complete	#REF!	SQM			
C REDOING OF RCC WORK BY INJECTION GROUTING						
1	Breaking of all old Plaster of Toilet Blocks ,Toilet Passage, applying anti corrosive chemical "Rust convertor" to all such areas where Reinforcement is exposed due to spalling of Concrete .Remaking such concrete surface with chemical injection grout process by using 75 mm dia MS nozzles of minimum 100mm deep in ceiling placed and fixed @1.2m distance and @ 0.75m c/c along construction joints, consisting of injecting cement slurries of different viscosities under pressure by pump using EN1504 Fosroc or anyother self compacting Grout mixed with neat cement slurry and sealing off nozzles after the injection operation with suitable admixture and providing 12-15mm thick neat finished cement plaster 1:3 (1 cement : 3 coarse sand) added with acrylic based water proofing chemical as per manufacturers specification and replastering as directed	37.71	SQM			

SRN	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT	REMARKS
D	RAINWATER OUTLETS & DOWNTAKES					
1	Providing, fixing, jointing and testing heavy duty, PVC RW B-Class pipes, - for rain water drain including jointing with rubbering / solvent / solution and airtight joints, with necessary specials, couplers, elbow, equal tees, tail piece, Y-pieces wherever required , end cap, fabricated bend, etc., and lubricant or jointing material, including testing, cutting, making good the wall, ceiling and floor etc. complete Including the cost of pvc cowl for vertical downtake pipes	84.40	RMT			
E	WATERPROOFING OF ROOF SLABS					
1	Breaking of Existing waterproofing , removing of the debris and Carting the same as directed . Designing, providing and installing average 150mm thick BB coba terrace waterproofing to terraces ,rcc chajjas ,projections etc consisting of brickbat coba in cement mortar mix in ratio of 1:5 (1 cement : 5 river sand) with approved waterproofing compound at the rate as specified by approved manufacturer , including applying to cleaned, grouted concrete base surface, BB Coba chemical waterproofing system consisting of polymer modified acrylic base composite coating (of one part or two part component) as recommended by the approved manufacturer of waterproofing coating, and laying brick bat to required slope; outlet and rain water pipes grouted (minimum thickness 75mm), system to be carried over parapet wall about 300mm high from finish floor level. testing by ponding water about 200 mm high for 72 hrs. protecting till handover, testing for heat insulation etc. all complete . (PN- This Quantity is Exclusive of WC & Passage at Each Floor Water proofing)	362.10	SQM			
F	RENOVATION OF TOILETS & EXTERNAL PLUMBING WORK					
1	Breaking of all Daddo Tiles, Removing of all Floor Tiles of Toilet Blocks	239.48	SQM			
2	Breaking of old Waterproofing ,up to sunk bottom slab, Cleaning ,washing making it free from dust,algae including removing of the debris and stacking at ground floor & carting such debris out of Premises by meachanical means etc all complete	61.35	SQM			
3	Providing and Making Brick Bat waterproofing in cement mortar mix in ratio of 1:5 (1 cement : 5 river sand) with approved waterproofing compound incl.Verticle small chamfered cement waterproofing on walls up to 300 mm height etc all complete	84.61	SQM			
4	Providing & Fixing 300 x 450 mm Glazed Daddo Tiles For Daddo in Cement paste including joints filled with matching colour grout,cleaning & curing etc all complete	178.13	SQM			
5	Providing & Fixing 300 x 300 mm Antiskid Tiles For Toilet Bottom in CM(1:4) including joints filled with matching colour grout,cleaning & curing etc all complete	61.35	SQM			
6	Providing and Fixing Granite as Door frames with double water seal offset for W.C- Internal Door frames in Toilet Blocks including processing charges for Nosing,Rounding,Champering & Edge Polish etc all complete	120.68	RMT			
7	Providing & Fixing 32 mm FRP New Door Shutters with M.S-C.P Door Fittings & Hinges with all required accessories like Taddi, Handles,Door Stopper etc all complete	40.00	SQM			

SRN	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT	REMARKS
8	Providing and fixing Standard WC pan of Indian /Orissa type, including S-Trap ,Making holes in wall Replugging of Holes neatly to surface levels including all necessary fittings like plug bend,Tee,Y etc all complete	24.00	NOS			
9	Providing and Fixing Wash Hnd Basins including required 15mm Half Turn Stop cock, 30 mm Waste Coupling,40mm CF Outlet pipe etc all complete	6.00	NOS			
10	Internal Water supply : Providing and fixing UPVC pipes , having thermal stability for cold water supply of 15 mm diameter as header and further distribution including all UPVC plain and brass threaded fitting with necessary specials, couplers, elbow, equal tees, tail piece, brass adapter (both male and female), reducer, end cap, fabricated bend, etc.,i/c fixing the pipes with clamps at 1.0 m spacing this includes testing of joints complete as per direction .The rates are inclusive of cutting chases for pipes, filling, making good the same with cement concrete / cement mortar.	150.00	RMT			
11	Providing, fixing, jointing and testing heavy duty, UPVC B class pipes, - 10 kg/cm2 pressure for soil and waste water drain 110 mm-including jointing with pushfit, with necessary specials, couplers, elbow, equal tees, tail piece, adapter (both male and female), reducer (single stage, double stage and triple stage), end cap, fabricated bend, etc., and complete of the following nominal bore (NB) size. The rates are inclusive of cutting chases for pipes, filling, making good the same with cement concrete / cement mortar	40	RMT			
12	Providing & Fixing 15mm C.P.Tamerin,Bib Cock Etc	18	NOS			
G	EXTERNAL & INTERNAL PLASTERING WORK					
1	Breaking of old Internal plaster Of Walls only of Exterieur -on East side (Play Ground side) of Rooms and Store + Gymnasium at Ground Floor and applying new 12mm to 15mm Thick Plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 river sand) mixed with polypropylene fibers also providing and fixing 20 gauge GI chicken mesh @ 150 mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners with Neeru finish etc all complete	541.39	SQM			
2	Breaking of Old External Plaster and Providing and applying New minimum 15mm thick Single coat cement sand plaster; cement sand mortar of mix ratio CM 1:4 (1 cement : 4 river sand) including adding 2% by weight of cement approved waterproofing compound and polypropylene fibers as per recommendations of approved manufacturer, architectural external finish to correct line, plumb and level to external faces of walls, soffits/ceiling if any, including hacking concrete surfaces then applying chemical adhesive coating and a scratch/dash coat as a positive bond, curing the same, raking out junctions of masonry and concrete, then pointing and grouting using non-shrinking compound, joints grouted by pressing square crushed stone, further providing 150mm wide 26gauge GI chicken mesh at junctions of concrete and masonry work, doing independent double legged scaffolding etc. all complete	1734	SQM			

SRN	PARTICULARS	QUANTITY	UNIT	RATE	AMOUNT	REMARKS
H	EXTERNAL & INTERNAL PAINTING WORK					
1	Scrapping of all old External Paint, Opening up of all Cracks to min.width so as to take Expandable epoxy based crack sealant of Fosroc or equiv.Manufacturer also All exposed dowel bars shall be cut by Grinder ,Plugging the open ends by suitable chemical neat finish & in line. Applying Two Coats Cement Paint including Curing etc All Complete	1734	SQM			
2	Scrapping of Old Paint Providing and applying Birla Wall care Putty ,filling & putting Lambi -Re-Scrapping to make the surface smooth and undulations free to takeTwo coats of Oil Bond Distemper to all Internal Walls	2444	SQM			
3	Providing and applying wall care putty scrapping of old paint filling & putting Lambi ReScrapping to make the surface smooth and undulations free to take Two Coats of Oil paint Asian or Equivalent Brand	271.5	SQM			
			TOTAL			
			9% SGST			
			9% CGST			
			GRAND TOTAL			