

**PROPOSED RENOVATION FOR N.M.V. SCHOOL AT BAJIRAO ROAD, PUNE.**

**ARCHITECT : DESIGN BUILDING WORKSHOP, AR.PALASH DEOLANKAR.**

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**SUBJECT : PROPOSED RENOVATION OF N.M.V. SCHOOL AT BAJIRAO ROAD, PUNE.**

A	EXCAVATION & PCC	UNIT	QTY	RATE	AMOUNT
1	Excavation of 300 mm soil in front portion & removing all old shahabad floor. Compaction of existing ground with watering. Providing and Laying 6"-150mm to 4" - 100mm in slope towards stormwater draige line with Plain Cement Concrete M-15 grade including formwork finishing and curing complete.	SQM	125.00		
A	<b>TOTAL AMOUNT</b>				
B	<b>MASONARY (BRICK/ AAC BLOCK)</b>				
1	Providing and constructing <b>LIGHT WEIGHT AAC BLOCKS 150 thk.</b> walls in superstructure at all levels, in CM (1:5) in II class bricks, including raking of joints on exposed surfaces, curing, scaffolding etc. complete.	SQM	385.50		
B	<b>TOTAL AMOUNT -</b>				
C	<b>PLASTERING &amp; PAINTING FINISHES</b>				
1	Providing & Applying <b>cement sand plaster</b> internally to walls in block, brick or concrete surface in (1:4) C.M. 12 mm to 20 mm thickness, perfectly smooth and even to recieve approved dado tiles, scaffolding, hacking of concrete surfaces, curing & one coat of lime wash Complete. (single coat)	SQM	16024.16		
2	Providing & applying <b>GYP SUM cement plaster</b> internally to <u>ceilings &amp; walls</u> in (1:4) C.M. 12mm to 20mm thick, perfectly smooth & even, including chicken mesh on jointof brick masonry and RCC beams/columns, scaffolding, hacking of concrete surfaces, curing & one coat of lime wash complete.	SQM	16024.16		
3	Providing and applying <b>Sand Faced Water Proof Cement Plaster</b> Externally av. 20mm thk.in (1:4) CM using approved (by Architect) waterproof chemical , consumptions as per manufacturer's specifications, in two coats ,first coat hacked two days curing before applying final coat with sponge including chicken mesh/fiber mesh on joint of <u>terrace slabs</u> scaffolding, hacking of concrete surfaces, curing complete.	SQM	1602.85		

4	Providing & Applying <b>guaranteed water proofing</b> with brick bats and Cement mortar as per standard methods through approved agency including curing Complete.				
4.1	To terrace slabs & sloping slabs at all levels.	SQM	421.14		
4.2	To Toilets at all levels	SQM	268.11		
5	<b>Painting Internal and External</b>				
5.1	<b>Internal Wall painting upto lintel level 9'- 2750mm (two coats)</b> with Oil paint of approved brand and manufacture on undercoated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth, etc. complete.	SQM	6333.46		
5.2	<b>Internal Wall painting from lintel to ceiling (two coats) and ceiling</b> with White Oil Bound Distemper of approved brand and manufacture on undercoated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth, etc. complete.	SQM	9070.41		
5.3	<b>Finishing external wall with weather proof exterior emulsion paint</b> on wall surface (2 coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered material, etc complete.	SQM	1368.18		
5.4	All old doors & window frames and shutter which had old oil paint previously will be painted in similar manner, as per paint shed selection from architect. Quantity of such doors & windows will be in numbers.				
a	door frame & shutters	NOS	168.00		
b	window frame & shutters	NOS	300.00		
c	windows grill painting in satin finish oil paint as per colour selection	SQM	1182.00		
d	Railings	SQM	723.27		
e	gates	SQM	130.00		
f	Staircase	SQM	62.64		
5.5	finishing external wall with exterior clear PU/laquar coat on natural stone surface	SQM	1190.60		
5.6	demolition of existing toilet block	SQM	400.45		
5.7	removing all the debris from campus including transportation	PER TRIP			
C	<b>TOTAL AMOUNT</b>				
D	<b>FLOORING, SKIRTING, DADO</b>				
1.1	Providing & Fixing <b>VITRIFIED TILES</b> -Aniti skid/ 600x600mm first quality approved make set in crush sand cement mortar, cement slurry to true plane and plumb, finished to levels as required, close – jointed & pointed tile grout including curing & cleaning Complete.	SQM	268.11		
1.2	providing & fixing <b>VITRIFIED DADO TILES</b> - matt finish 600x300 mm upto 9ft or 2750mm ht. first quality make set in crush sand cement mortar, cement slurry to true plane and plumb, finished to levels as required, close – jointed & pointed tile grout including curing & cleaning Complete.	SQM	368.50		
2	Providing & Fixing <b>WINDOW CILLS</b> in black granite 100 to 150 mm wide 20 mm thick set in cement with nosing , edge polished , chamfered of even thickness curing Complete.				
2.1	Polished Granite (toilet exhaust fans considered) 230mm wide	RMT	70.80		
2.2	Polished granite toilet door frames - 150mm wide	RMT	274.50		
2.3	Polished granite toilet ventilator frames - 230 wide	RMT	132.44		

<b>3</b>	Providing & Erecting <b>GRANITE PARTITION (1500 x 450 x 40 mm) Thk.</b> Polished on both sides and fixed in masonry, nosing to front & top edge Complete.	<b>NOS</b>	<b>30.00</b>		
<b>4</b>	Providing & Constructing <b>WORKING PLATFORM FOR undercounter basin ( 600mm wide)</b> with vertical partitions of 35 mm thk. and horizontal kadappa over vertical partitions, with top of black granite. as directed to give required finish Complete as per detail dwgs.	<b>SQM</b>	<b>23.50</b>		
<b>D</b>	<b>TOTAL AMOUNT -</b>				
<b>E</b>	<b>DOORS, WINDOWS, VENTILATORS &amp; PARTITIONS</b>				
<b>1</b>	Providing & Fixing in position <b>DOOR FRAMES &amp; window frames</b> where ever required if broken & not in good working condition as per site observation & approval from architect with necessary hold – fasts 6 nos. to each frame properly screwed to frames including fixing in floor, with one coat of wood primer & two coats of brush applied synthetic enamel paint (ICI Dulux or equivalent) Complete.				
<b>1.1</b>	T.W. frames for doors & window 150X75				
<b>a</b>	room door frames	<b>NOS</b>	<b>5.00</b>		
<b>b</b>	room window frames	<b>NOS</b>	<b>5.00</b>		
<b>2</b>	Door Shutters.				
<b>2.1</b>	<b>SOLID CORED FLUSH SHUTTERS : 38 MM THICK</b> with laminate sheets to both sides, 6 mm thk. teak wood lipping on all sides including s.s. fixtures, 300 mm aldrop (2 nos.), 200 mm tower bolts (2 nos.), 150 mm plate handles (2 nos.), including one coat of wood primer & two coats of synthetic enamel paint (ICI – Dulux or equivalent), polishing tw lipping, etc. Complete. <b>(Rooms)</b>	<b>NOS</b>	<b>118.00</b>		
<b>2.2</b>	<b>SOLID CORED FLUSH SHUTTERS : 38 MM THICK</b> water resistant(waterproof) , finish with 6 mm thk. teak wood lipping on all sides with providing and fixing 20 guage sheet covering lower portion of shutter 300mm high on both sides, including s.s. fixtures, 300 mm aldrop (2 nos.), 200 mm tower bolts (2 nos.), 150 mm plate handles (2 nos.), including one coat of wood primer & two coats of synthetic enamel paint (ICI – Dulux or equivalent) Complete. <b>(Toilets)</b>	<b>NOS</b>	<b>50.00</b>		

3	Providing & Fixing <b>T.W. COVER MOULDING 40 x 20</b> mm as per drawing at Junction of door frame and plaster including painting etc. as directed to give required finish Complete.	RMT	1519.85		
4	Providing & Fixing in position <b>POWDER COATED ALUMINIUM WINDOWS</b> with glazed sliding shutters with transparent sheet glass panels properly fitting to window shutters with necessary rubber bending, all work to be in absolute plumb line and level to ensure smooth sliding operation.				
4.1	<b>3 Track:</b> All sections of <b>JINDAL</b> make with outer frame,including sliding shutters,with mosquito net shutter with 4 mm thk <b>"MODI"</b> make plain glass,including all fixtures & fastening with <b>"EPDM"</b> rubber glass seal wool,pvc seal,"MARUTI" make lock, "TPI" bearing,aluminium cleats,silicon sealant, Nettlefold make screws & nails also painted/powder coated etc,complete as per detail dwgs & instructions	SQM	37.70		
5	Aluminium powder coated;Glazed <b>Louvered Ventilators with Fixed Glass on top</b> -Providing & fixing in position fully glazed aluminium louvered ventilators with glass on top-using all <b>'JINDAL'</b> make sections,outer frame-top,bottom &side Modi make opaque glass fixed with Aluminium glazing plate ,all fixtures,fastening with'EDPM' rubber glass seal wool,pvc seal ,Nettlefold screws & nails -painted/powder coated & complete as per dwgs & instructions.	SQM	6.67		
5.1	For toilet ventilators				
6	Aluminum frame partitions in 50x50mm aluminum box section jindal make & both side plywood with laminate of 1mm thickness as per architectural selection with necessary grooves and teak wood lipping around the edges with matching laminate or edge painted.	SQM	85.00		
E	<b>TOTAL AMOUNT -</b>				
F	<b>SANITARY AND DRAINAGE WORKS</b>				
1	Providing & Fixing in position <b>WALL MOUNT EUROPEAN TYPE &amp; INDIAN ORRISA PAN TYPE WATER CLOSETS</b> including,				
1.1	European Water closet White / Beige pan of <b>JAGUWAR ESSCO ECS-WHT-9515 WALL HUNG WC</b> make with integral "P" or "S" trap connection upto soil pipe at outer face of wall.	NOS	23.00		
1.2	INDIAN Water closet White / Beige pan of <b>JAGUWAR ESSCO ECS-WHT-451 ORRISA PAN WC</b> make with integral "P" or "S" trap connection upto soil pipe at outer face of wall.	NOS	12.00		
2	Jaquar ESSCO make <b>two way Bib cock with wall flange COS-103041</b>	NOS	23.00		
2.1	Jaquar ESSCO make <b>angular stop cock with wall flange COS-103053</b>	NOS	23.00		
2.2	Jaquar make chromium finish <b>Health Faucet with necessary accessories. ALE- ESS-583</b>	NOS	23.00		
2.3	Providing & Fixing in position approved <b>ESSCO - AIS-WHT-101701 UNDERCOUNTER WASH BASIN</b> for common toilets	NOS	45.00		
2.4	Providing & Fixing in position approved <b>ESSCO - ALE-544FT waster coupling full threads 32 mm for all basins</b>	NOS			
2.5	Providing & Fixing in position approved <b>ESSCO - AIS-WHT-101801 WALL HUNG WASH BASIN</b> for STAFF TOILETS	NOS			
2.6	JAUAR ESSCO MAKE 32 mm dia chrome finish <b>bottle trap with waste coupling and joints.</b>	NOS	45.00		

2.7	Providing & Fixing in position approved type of heavy duty <b>JAUAR ESSCO BIB COCKS</b> COS- 103037 Complete. (bathrooms)	NOS	12.00		
2.8	providing & fixing JAGUAR ESSCO <b>Urinals</b> in boys/ gents toilets with all necessary fittings & fixtures complete <b>ECS-WHT-251</b>	NOS	30.00		
3	Providing & Fixing in position 75 mm dia. <b>NAHANITRAP</b> including necessary bedding & s.s heavy type grating Complete.	NOS	50.00		
4	Providing & Fixing in position and jointing " <b>NICO</b> " heavy duty <b>HEAVY PIPES</b> fitted on brackets with all specials ' <b>U</b> ' <b>clamps</b> and making holes in walls and floors testing to joints rectifying to of leakages etc. Complete.	RMT			
4.1	75 mm waste pipe (open)PVC	RMT	25.00		
4.2	75 mm waste pipe- centri cast -(Concealed)PVC	RMT	10.00		
4.3	100 mm soil pipe (open)PVC	RMT	25.00		
4.4	100 mm soil pipe - centri cast -(Concealed)PVC	RMT	10.00		
4.5	100 mm rain water pipe PVC	RMT	25.00		
5	Providing, Laying & Jointing, Fixing and <b>testing "B" CLASS for open &amp; "C" CLASS for concealed CPVC WATER SUPPLY PIPES " of approved make</b> with all specials including fixing them in walls or under floors and making them good and rectifying of leakages etc. Complete.				
5.1	20mm dia concealed CPVC (approx. Qty.)	RMT	100.00		
5.2	25mm dia open CPVC (approx. Qty.)	RMT	100.00		
5.3	40mm dia open CPVC (approx. Qty.)	RMT	100.00		
F	<b>TOTAL AMOUNT</b>				
G	<b>ROOFING WORK</b>				
1	Removing existing trees, roots , branches from sloping roof with acid & cleaning existing roof as per requirement.	L/S			
2	Fixing sloping roof with manglore file & G.I. sheet where ever require matching with old design.	L/S			
3	additional manglore tile installation wherever require.	L/S			
4	removing old G.I. sheets from ground floor boys toilets & installation of new powder coated 0.06mm everest make sheets over toilet shed with all necessary fittings , complete.	SQM	108.27		