

REPAIR AND REDEVELOPMENT OF MUSKAAN SCHOOL (MITTI GHAR) NEELBAD, BHOPAL-MP			
SUMMARY			
S.No.	Description		Amount
	REPAIR AND REDEVELOPMENT WORK TOILET BLOCK		
1	EARTH WORK (Anti-Termite Treatment)	INR	₹ 70,664.63
2	MASONRY WORK	INR	₹ 4,41,273.03
3	CONCRETE WORK-Septic Tank	INR	₹ 2,25,131.86
4	FLOORING	INR	₹ 1,74,590.80
6	PLINTH PROTECTION	INR	₹ 79,298.95
7	FINISHING	INR	₹ 3,66,959.35
8	PROPPING AND SCAFFOLDING	INR	₹ 33,942.00
TOTAL		INR	₹ 13,91,860.61
A	ELECTRICAL WORK	INR	₹ 69,593.03
B	PLUMBING WORK	INR	₹ 1,73,982.58
C	Techno- Administrative Fees	INR	₹ 34,796.52
GRAND TOTAL		INR	₹ 16,70,232.73
SAY		INR	₹ 16,70,233
Sixteen Lakh Seventy Thousand Rupees Only /-			

Sr.No	Item Code No.	Description of Item	Unit	Quantity	Rate	Amount (INR)
<b>DEVELOPMENT OF TOILET BLOCK MUSKAN SCHOOL (MITTI GHAR)</b>						
<b>NEELBAD, BHOPAL-MP</b>						
<b>BILL OF QUANTITIES</b>						
Sr.No	Item Code No.	Description of Item	Unit	Quantity	Rate	Amount (INR)
<b>ON SITE WORK</b>						
<b>1</b>	<b>EARTH WORK (Anti-Termite Treatment)</b>					
1.1	DSR-2.8 (P-91 Vol-1)	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	DSR-2.8.1	All kinds of soil.	cum	40.00	₹ 260.30	₹ 10,412.00
1.2	DSR-2.34 (P-95 Vol-1)	Supplying chemical emulsion in sealed containers including delivery as specified.				
	DSR-2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	litre	67.50	₹ 234.75	₹ 15,845.63
1.3	DSR-2.35 (P-95 Vol-1)	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
	DSR-2.35.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:				
	DSR-2.35.2.1	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	40.00	₹ 53.45	₹ 2,138.00
	DSR-2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:				
	DSR-2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	sqm	60.00	₹ 310.05	₹ 18,603.00
	DSR-2.35.4	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :				
	DSR-2.35.4.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	metre	30.00	₹ 43.00	₹ 1,290.00

	DSR-2.35.5	Treatment at points of contact of wood work by chemical emulsion Chlorpyrifos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	80.00	₹ 279.70	₹ 22,376.00
					<b>SUB TOTAL</b>	<b>₹ 70,664.63</b>
<b>2</b>	<b>MASONRY WORK</b>					
2.1	DSR-6.1 (P-127 Vol-1)	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	12.42	₹ 7,370.65	₹ 91,543.47
2.2	DSR-6.4 (P-127 Vol-1)	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	1.38	₹ 9,344.35	₹ 12,895.20
2.3	DSR-6.21 (P-128 Vol-1)	Brick work in gauged arches including centering and shuttering complete for span up to 6 metres with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in lime mortar 1:1:1 (1 lime : 1 surkhi: 1 Coarse sand).	cum	7.74	₹ 23,019.75	₹ 1,78,172.87
2.4	DSR-7.1 (P-133 Vol-1)	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :				
	6.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	2.46	₹ 7,311.25	₹ 17,985.68
2.5	NSI-3A	Traditional brick masonry in lakhori bricks in lime mortar in proportion similar to the existing traditional lime mortar 1:1:1 (lime :1 surkhi: 1 Coarse sand)	cum	11.70	₹ 12,023.57	₹ 1,40,675.81
					<b>SUB TOTAL</b>	<b>₹ 4,41,273.03</b>
<b>3</b>	<b>CONCRETE WORK-Septic Tank</b>					
3.1	DSR-5.2 (P-113 Vol-1)	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5.85	10,852.95	₹ 63,489.76
3.2	DSR-5.9 (P-115 Vol-1)	Centering and shuttering including strutting, propping etc. and removal of form for				

	5.9.9	Arches, domes, vaults up to 6 m span	sqm	6.00	₹ 2,154.35	₹ 12,926.10
	5.9.20	Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	sqm	54.00	₹ 1,028.40	₹ 55,533.60
3.3	DSR-5.22A (P-118 Vol-1)	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	DSR-5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	864.00	₹ 107.85	₹ 93,182.40
					<b>SUB TOTAL</b>	<b>₹ 2,25,131.86</b>

<b>4</b>	<b>FLOORING</b>					
4.1	DSR-2.8 (P-91 Vol-1)	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	DSR-2.8.1	All kinds of soil.	cum	96.00	₹ 260.30	₹ 24,988.80
4.2	DSR-11.26 (P-192)	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	11.26.1	25 mm thick	sqm	56.00	₹ 1,948.25	₹ 1,09,102.00
4.3	DSR-11.56 (P-198 Vol-1)	<b>DPC:-</b> Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :				
	11.56.2	Granite	sqm	9.00	₹ 4,500.00	₹ 40,500.00
					<b>SUB TOTAL</b>	<b>₹ 1,74,590.80</b>

<b>5</b>	<b>PLINTH PROTECTION</b>					
5.1	DSR-16.12 (P-248 Vol-2)	<b>Making plinth protection-</b> Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete :				
	16.12.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	sqm	30.00	₹ 644.05	₹ 19,321.50

5.2	DSR-11.7 (P-189)	<b>Making plinth protection</b> -Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size), including finishing complete.	cum	3.00	₹ 8,595.15	₹ 25,785.45
5.3	DSR-11.30 (P-193)	40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.				
		White sand stone	sqm	20.00	₹ 1,709.60	₹ 34,192.00
					<b>SUB TOTAL</b>	<b>₹ 79,298.95</b>
<b>6</b>	<b>FINISHING</b>					
6.1	NSI-7A	20mm lime plaster in two coats with 10mm base coat in lime mortar 1:1:1 (1 lime : 1 Surkhi :1 Coarse Sand) and top coat in lime mortar 1:1:1 (1 lime : 1 Surkhi :1 Fine Sand)	sqm	168.00	₹ 1,200.00	₹ 2,01,600.00
6.2	MR-7A	Providing and fixing of Surface Consolidation (SILRES BS OH 100)	sqm	32.00	₹ 680.15	₹ 21,764.76
6.3	MR-7B	Providing and fixing of Masonry Water Repellents (SILRES BS 290)	sqm	32.00	₹ 431.52	₹ 13,808.60
6.4	DSR-13.115 (P-225 Vol 2)	Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.	sqm	30.00	₹ 99.70	₹ 2,991.00
6.5	DSR-8.31 (P-143 Vol 1)	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	100.00	₹ 1,267.95	₹ 1,26,795.00
		6 mm thick plaster of mix :				
		1:3 (1 Cement : 3 Fine sand)				
					<b>SUB TOTAL</b>	<b>₹ 3,66,959.35</b>
<b>7</b>	<b>PROPPING AND SCAFFOLDING</b>					

7.1	DSR-24.2 (P-345 Vol-2)	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. <b>Note:-</b> (1) The elevational area of the scaffolding shall be measured for payment purpose.(2) The payment will be made once only for execution of all items for such works.	sqm	56.00	₹ 338.25	₹ 18,942.00
7.2	NSI-8A	Propping with steel to support the leaned structure (roof and wall) using pipes, channels, angles, girders, wooden wages to prevent further leaning/ collapse. Under the supervision of Engineer in charge.				
			sqm	6.00	₹ 2,500.00	₹ 15,000.00
					<b>SUB TOTAL</b>	<b>₹ 33,942.00</b>