

TECHNICAL REPORT

OF WORK----- RENOVATION WORK OF BRANCH RAJAMLA AT RAJAMLA

NECESSITY----- BANK BRANCH BUILDING (PUBLIC PLACE)

ESTIMATED COST-----261261.00

(IN WORD --- TWO LAKH SIXTY ONE THOUSAND TWO HUNDRED SIXTY ONE RS. ONLY)

PROVISIONS -----PROVISIONS HAVE BEEN MADE AS UNDER

- 1. R.C.C FRAMED STRUCTURE WITH COLUMN FOOTING
- 2. P.C.C. WORK M10
- 3. 6 \$ 15MM THICK CEMENT PLASTER WITH MORTAR 1:6
- 4. WATER PROOFING
- 8. PAINTING WORK

S.O.R ----- ALL ITEMS & SPECIFICATIONS HAVE BEEN TAKEN FROM SCHEDULE OF RATES FOR P.W.D
EFFECTED FROM '01/ 01/24 '

JUNIOR ENGINEER

D.C.B. BETUL

DISTRICT CENTRAL CO-OPERATIVE BANK BETUL (M.P) HEAD OFFICE
RENOVATION WORK OF BRANCH BUILDING RAIALMLA AT RAIALMLA

S.O.R.M.P.PWD WITH EFFECT FROM DATE 01/01/2024

(ABSTRACT ESTIMATE)

S.NO.	particular of items of work	No	L	B	D/H	QUANTITY	UNIT	RATE	AMOUNT
2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical (means) All kinds of soil COLUMN PITS	3.00 1.00	1.20 27.75	1.20 0.30	1.20 0.30	5.184 2.497	CUM CUM		
	DRAIN					7.681	M2	147.00	1129.00
	TOTAL QTY.								
4.1.2.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shutteringAll work upto plinth level : with 40mm nominal size graded stone aggregate. M-10 Nominal (Mix -1 Cement : 3 sand : 6 graded stone aggregate)								
	COLUMN PITS	3.00	1.20	1.20	0.15	0.648	CUM		
	DRAIN	1.00	27.75	0.30	0.15	1.248	CUM		
	TOTAL QTY.					1.896	CUM	3808.00	7220.00
5.1	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal SIZE GRADED STONEAggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 5.1.1 M-20 M-20 Grade Concrete								
	FOOTING	3.00	1.00	1.00	0.40	1.200	CUM		
	COLUMN	3.00	0.65	0.20	0.30	0.117	CUM		
	DRAIN	1.00	27.75	0.20	0.90	4.995	CUM		
	TOTAL QTY.					6.312	CUM	6153.00	38838.00
2.24	Filling available excavated earth (excluding hard rock/Ordinary rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
	FOOTING								
	COLUMN								
	COLUMN PITS								
	TOTAL QTY.(5.184+3.219)===					1.965 CUM			
5.2.1	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in walls (any thickness) i/c attached pilasters buttresses plinth and string courses fillets columns pillars posts and struts etc. above plinth level and upto floor two level excluding cost of centering and shuttering finishing and reinforcement . M-20mm grade concrete								
	COLUMN	3.00	3.20	0.20	0.30	0.576	CUM		
	TOTAL QTY.					1.965	CUM	95.00	187.00
5.16.3	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding placing in position and binding including cost of bindingwire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 19920 for ductile detailing/ 45c RCC Design & sp P 34 Reinforcement detailing) etc. complete								
						0.576	CUM	6231.00	3589.00

75KG/CUM OF RCC QTY.

75KG/CUM OF RCC QTY.		TOTAL QTY.		6.888		520.00		KG		81.00		42120.00	
Centering and shuttering in cluding strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for concrete upto plinth leve													
5.9	FOOTING	TOTAL QTY.		3.00		1.00		4.00		0.40		4.80	
5.9.1	COLUMN	TOTAL QTY.		3.00		0.65		1.00		9.36		M2	
5.9.2	Walls (any thickness) in cluding attached pilasters butter esses, plinth beams and string courses etc.	TOTAL QTY.								14.160		M2	
	CURTAIN WALL	TOTAL QTY.		1.00		28.15		0.90		25.335		M2	
5.9.6	COLUMN	TOTAL QTY.		3.00		3.20		1.00		9.600		M2	
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement : 6 sand)	TOTAL QTY.											
	OUTER SIDES	TOTAL QTY.		1.00		2.85		2.25		6.41		M2	
	SEPTIC TANK	TOTAL QTY.		1.00		28.15		0.90		25.335		M2	
	CURTAIN WALL	TOTAL QTY.								31.75		M2	
13.54.3	FINISHING WALL WITH DELUX MULTI SURFACE PAINTING SYSTEM FOR IN INTERIOR AND EXTERIOR USHING PRIMER ASPER MANUFACTURE SPECIFICATION (TWO OR MORE COATS APPLIED ON WALL @ 1.25LTS./10M2 OVER AND I/C PRIMING COAT OF EXTERIOR PRIMER App@ 2.20KG/10M2 AS PER PLASTER QTY.	TOTAL QUANTITY								30.80		M2	
13.41	Providing and applying white cement based putty of average thickness 1 mm, of approved brand over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete Note : Putty shall be applied only on the internal walls, for application on the exterior walls prior permission of APD/Chief Engineer will be required internal wall	TOTAL QUANTITY								30.80		M2	
13.8	6 mm cement plaster of mix : 1:3 (1 cement : 3 sand)	TOTAL QUANTITY								30.80		M2	
	TOWER	TOTAL QUANTITY		1.00		2.40		4.50		10.80			
	CEILLING CHAJJA	TOTAL QUANTITY		1.00		4.00		5.00		20.00			
22.31.1	Providing & applying single pack component, solvent-free, cold applied, Polyurethane modified, elastomeric liquid applied waterproofing membrane- PU coat with excellent UV resistant capacity, Non-toxic with high SRI Index, eco friendly, low VOC & complies with the requirement as laid out in ASTM D 6083-97a. It can be applied on cementitious substrates, brick & stone Bituminous coatings, metals, wooden substrates, paint/coatings with application of two coats without dilution along with a self two coats without dilution along with a self Priming Coat-50% dilution with water. Surface should be cleaned properly with required tools & crack repairing by cement mortar mixed with latex for waterproofing application. Apply in 3 coats (1st priming coat @ 2 kg/10 Sqm and 2nd & 3rd coat @ 4 kg/10 Sqm of each coat) for complete waterproofing with Interval of 4 hours between every coat. The material shall meet the requirement as specified in ASTM D2370-98 of elongation at break of film>350% with geotextile fleece =50% approx. The work shall be carried out as recommended by the manufacturer's specification & the direction of the Engineer in-Charge. The product performance shall carry guaranteed for 5 year against any leakage. For Horizontal surface (with Geotextile fleece) two coats without dilution & 1 self priming coat- 50% dilution with water @ 10 kg/m	TOTAL QUANTITY								30.80		M2	
		TOTAL QUANTITY								74.00		2279.00	

ROOF COLUMN	1.00 14.00	18.80 1.50	11.20 0.40	210.56 8.40 218.96	M2 M2	459.00	100503.00 221408.00 39853.00 261261.00
AMOUNT							
ADD.18% G.ST.							
NET AMOUNT							
(IN WORD) --- TWO LAKH SIXTY ONE THOUSAND TWO HUNDRED SIXTY ONE Rs. ONLY)							


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