

**NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-
CHAMPA (C.G.)**

ABSTRACT

S.NO.	DESCRIPTION	AMOUNT (Rs.)
1	Compost Plant	
a	SOR ITEMS	-
1	3 TPD Windrow Compost	1021250.11
2	Leachate Tank	76105.82
3	Fencing Boundary wall (87.6M)	268548.75
4	CC Road (29.15M)	114996.22
	Total of (a)	1480900.89
b	NON SOR ITEMS	
1	Weigh Bridge	225000.00
2	Wheel Barrow	11000.00
3	Compost Sieve Machine	47500.00
	Total of (b)	283500.00
	Total (a+b)	1764400.89
1	SLRM-1	
b	SOR ITEMS	
1	Revamping of SLRM Centre	427745.65
2	Rain Water Harvesting	15000.00
3	Revamping of Toilet	62241.48
4	Storage Area	639658.87
5	Borewell	147102.00
	Total of (a)	1291748.00

b	NON SOR ITEMS	
1	Bale Trolley 3Nos	20400.00
2	Flat Conveyor Belt	155000.00
3	Turbine Ventilator 6 Nos. @ 2500	15000.00
4	HDPE Wheeled Container 100 Litre - 10 No. @ 1375	13750.00
5	Surveillance Camera	17813.00
	Total of (b)	221963.00
	Total (a+b)	1513711.00
	Grand Total	3278111.89
	Project Cost In Lakhs	32.78

NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-CHAMPA (C.G.)

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

SN	DESCRIPTION OF ITEM	NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and level 1.1.1 In all types of soils. F1(1500X1500)	12	1.50	1.50	1.70	45.90			
total						45.90	185.00	cum	8491.50
2	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete. Footing F1(1800X1800) Deductions Floor bed	12 12 -12 1	1.50 1.50 0.30 8.00	1.50 1.50 0.30 20.00	0.10 1.10 1.10 0.50	2.70 29.70 -1.19 80.00			
total						111.21	371.00	cum	41259.65
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). Footing F1(1800X1800) Floor p.c.c.	12 1	1.50 8.00	1.50 20.00	0.10 0.10	2.70 16.00			
total						18.70	2970.00	cum	55539.00
4	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. Footings F1(1800X1800) Column upto G L C1(300X300) Column above G L C1(300X300) Ground Beam L Wall X Wall	4 4 4 2 2 2	12 12 12 4 2 2	1.30 0.30 0.30 3.60 3.80 7.40	0.20 1.10 0.35 0.40 0.40 0.40	12.48 15.84 5.04 11.52 6.08 11.84			
total						62.80	139.00	sqm	8729.20
5	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). F1(1800X1800) Column uptoGround Level	12 12	1.30 0.30	1.30 0.30	0.20 1.10	4.06 1.19			
Subtotal a						5.24			

SN	DESCRIPTION OF ITEM	NO	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
			L	B	H/D				
I	II	III	IV	V	VI	VII	VIII	IX	X
	Column upto G L C1(300X300)	12	0.30	0.30	0.35	0.38			
	Subtotal b					0.38			
	Ground Beam								
	L Wall	4	3.60	0.30	0.40	1.73			
		2	3.80	0.30	0.40	0.91			
	X Wall	2	7.40	0.30	0.40	1.78			
	Subtotal d					4.42			
	total					10.04	4163.00	cum	41788.19
6	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: 3.12.1 Thermo-Mechanically treated bars FE 415 Qty. As Per Item No. 6 80kg/cum					10.04 803.04			
	total					803.04	54.50	Kg	43765.68
7	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. Total qty of excavation - sand filling+PCC+RCC upto GL					94.05			
	total					94.05	65.00	cum	6113.25
8	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) Below Ground Beam L wall X wall Opening (Deduction)	1 2 2 -1	52.40 8.00 20.00 4.00	0.20 0.20 0.20 0.20	0.10 0.35 0.35 0.35	1.05 1.12 2.80 -0.28 4.69		3263.00	cum 15296.94
9	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand) Inside wall	2 2	8.00 20.00		0.35 0.35	5.60 14.00			
	total					19.60	91.50	sqm	1793.40
10	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand) External Wall	2 2	1 1	8.00 20.00	0.60 0.60	9.60 24.00			
	total					33.60	113.00	sqm	3796.80
11	12.3 Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 75 mm thick	1	20.00	8.00		160.00			
	total					160.00	345.00	cum	55200.00

SN	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II	III	IV	V	VI	VI	VII	VIII	IX	X
12	14.62 Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litol Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work									
	Area of Internal Plaster			19.60			19.60			
	total						19.60	64.00	sqm	1254.40
13	14.67Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus ,Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)									
	Area of External Wall			33.60			33.60			
	total						33.60	70.00	sqm	2352.00
14	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer 9.3.1 Electric resistance or induction butt welded tubes Grade-250 PWD S.O.R.-P-80/I-9.3.1									
	Pole @38.90kg/meter	1	12	4.65	38.90	-	2170.62			
	Truss On Processing Shed									
	Tie Beam 50mm dia @6.19Kg/meter	6	1	9.00	6.19	-	334.26			
	Rafter 50mm dia @6.19Kg/meter	6	2	4.57	6.19	-	339.46			
	Intermediate members 50mm dia @6.19Kg/meter	6	2	8.50	6.19	-	631.38			
	Purlins 40mm dia @ 4.37Kg/meter (On Top)	3	2	21.00	4.37	-	550.62			
	Gusset Plate, Fixing Bolt and Base Plate Etc						450.00			
	total						4476.34	93.50	Kg	418537.79

SN	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
15	<p>10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.</p> <p>PWD S.O.R.-P-91/I-10.11</p> <p>Roofing</p>		2	21.00	5.00		210.00			
	total						210.00	693.00	sqm	145530.00
16	<p>10.16 Providing and fixing precoated galvanised steel sheet roofing accessories</p> <p>0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :</p> <p>10.16.1 Ridges plain (500-600mm)</p> <p>Ridge</p>		1	21.00			21.00			
	total						21.00	552.00	mtr	11592.00
17	<p>10.16.6 Gutter. (600 mm over all girth).</p> <p>Gutter</p>		2	21.00			42.00			
	total						42.00	629.00	mtr	26418.00
18	<p>14.76 Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevant I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work.</p> <p>14.22.2 Premium synthetic enamel paint</p> <p>On Steel Structure</p> <p>pole</p> <p>Truss</p>	1.5	2	55.80			167.40			
		1.5	2	195.42			586.26			
	total						753.66	43.00	sqm	32407.38

SN	DESCRIPTION OF ITEM	NO		MEASUREMENT			QTY	RATE	UNIT	AMOUNT
				L	B	H/D				
I	II		III	IV	V	VI	VII	VIII	IX	X
19	<p>18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.</p> <p>18.76.2 110 mm dia pipe.</p> <p>Rain water Pipe</p>		8	4.00			32.00			
	total						32.00	267.00	mtr	8544.00
Total										928409.19
Add 10% Electrical and Plumbing Work										92840.92
Grand Total for 1 Windrow Shed										1021250.11

NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-CHAMPA (C.G.)

" PROPOSED LEACHATE TANK 5.00X2.00X1.50 M "

S.N o.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Excavation for all types and sizes of foundations trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at teats 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil								
	(BUILDING SOR ITEM NO.-1.1/9)	1	5.70	2.70	2.10	32.32	CUM	185.00	5979.02
2	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.								
	Excavated Area-	1	5.70	2.70	2.10	32.32			
	Deduction Tank Area-	-1	5.40	2.40	1.50	-19.44			
	P.C.C.-	-1	5.70	2.70	0.15	-2.31			
	(BUILDING SOR ITEM NO.-1.17/11)					10.57	CUM	65.00	687.08
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	(BUILDING SOR ITEM NO.- 1.18/11)	1	5.70	2.70	0.15	2.31	CUM	371.00	856.45
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of from work. 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)								
	(BUILDING SOR ITEM NO.- 3.1.3/23)	1	5.70	2.70	0.15	2.31	CUM	2970.00	6856.25
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)								
	Bottom Slab-	1	5.40	2.40	0.15	1.94			
	Top Slab-	1	5.40	2.40	0.15	1.94			
	Deduction-	-2	0.60	0.60	0.15	-0.11			
	(BUILDING SOR ITEM NO.- 3.2.1/23)					3.78	CUM	4163.00	15736.14
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								

	Bottom Slab-	1	14.40	-	0.15	2.16			
	(BUILDING SOR ITEM NO.- 2.1.1/16)					2.16	SQ.M	139.00	300.00
7	2.1.7) Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	Top Slab-	1	5.40	2.40	-	12.96			
	side	1	14.40	-	0.15	2.16			
	Deduction-	-2	0.60	0.60	-	-0.72			
	(BUILDING SOR ITEM NO.-2.1.7/16)					14.40	SQM	235.00	3384.00
8	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting bending binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415								
		Qty.as per item no. 5				3.78			
	(BUILDING SOR ITEM NO.-3.12.1/24)		80 kg/cum			302.40	KG	54.50	16480.80
9	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:								
	(SOR. ITEM NO.- 7.5.4/45)								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Extra for brick work in superstructure:								
	(SOR. ITEM NO.- 7.6/45)								
	Leachate Tank Wall	1	14.40	0.20	1.50	4.32			
						4.32	CUM	3384.00	14618.88
10	Providing and making 6 mm thick cement plaster of mix								
	(SOR. ITEM NO.-11.1/103)								
	11.1.2) In Cement mortar 1:4 (1 cement : 4 fine sand)								
	Inside Plaster	1	14.40		1.50	21.60			
						21.60	SQM	87.00	1879.20
11	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design. 20 11 1 With 20x20 mm square bar								
	(BUILDING SOR ITEM NO.-20.11/191)	2	-	-	-	2.00	NOS.	168.00	336.00
12	Providing and fixing in position precast R.C.C. manhole cover and frame L D- 2.5 of required shape and approved quality Rectangular shape 600x450mm internal dimensions								
	(BUILDING SOR ITEM NO.-20.15.1/192)	2	-	-	-	2.00	EACH	1031.00	2062.00
13	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating cost of neat cement.								

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NAGAR PANCHAYAT KHAROD, DISTT. JANJIR-CHAMPA (C.G.)

ESTIMATE FOR CHAINLINK FENCING										
SN	DESCRIPTION	No.		L	W	H/D	QTY	Rate	U	Amount
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil PWD S.O.R.-P-09/I-1.1.1 Main Wall Along Road	1		87.60	0.50	0.80	35.04			
	total						35.04	185.00	cum	6482.40
2	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M .PWD S.O.R.-P-09/I-1.17									
							35.04			
	Deduction						-4.38			
							-4.38			
							-13.14			
							13.14	65.00	cum	854.10
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. Building sor 2015item no. 1.18									
	below pcc	1		87.60	0.50	0.10	4.38	371.00	cum	1624.98
4	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). PWD S.O.R.-P-23/I-3.1.3 Main Wall Along Road	1		87.60	0.50	0.10	4.38			
	total						4.38	2970.00	cum	13008.60
5	7.5 Brick work with modular flyash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) PWD S.O.R.-P-45/I-7.5.4									
	up-to Ground Level									
	Main Wall Along Road	1		87.60	0.30	0.30	7.88			
		1		87.60	0.20	0.30	5.26			
	total						13.14	3263.0	cum	42875.82

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NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-CHAMPA (C.G.)

(As per P.W.D ROAD S.O.R. W.E.F. 01.01.2025)

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**NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-
CHAMPA (C.G.)**

ABSTRACT

S.NO.	DESCRIPTION	AMOUNT (Rs.)
1	SLRM-1	
b	SOR ITEMS	
1	Revamping of SLRM Centre	427745.65
2	Rain Water Harvesting	29182.87
3	Revamping of Toilet	62241.48
4	Storage Area	639658.87
5	Borewell	147102.00
	Total of (a)	1305930.86
b	NON SOR ITEMS	
1	Bale Trolley 3Nos	20400.00
2	Flat Conveyor Belt	155000.00
3	Turbine Ventilator 6 Nos. @ 2500	15000.00
4	HDPE Wheeled Container 100 Litre - 10 No. @ 1375	13750.00
5	Surveillance Camera	17813.00
	SUB Total	221963.00
	ADD 18% GST Non-SOR Items	39953.34
	Total of (b)	261916.34
	Total (a+b)	1567847.20

NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-CHAMPA (C.G.)										
Revamping of SLRM Centre										
(Building SOR Items) W.E.F. - 01/01/2015										
S NO.	ITEM NO.	DESCRIPTION	NO.	L	B	H/D	QTY	UNIT	RATE	AMOUNT
RAIN WATER PIPE										
1	18.76.2	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 18.76.2 110 mm dia pipe. Rain water Pipe								
			4.00	4.00			16.00			
							16.00	Mtr.	267.00	4272.00
2	10.16.6	Gutter. (600 mm over all girth).	2.00	27.90			55.80	Mtr.	629.00	35098.20
PROPOSED FILLING AND KOTA STONE WORK										
1	16.3.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.								
		Wash area	4	1.80	0.20	0.90	1.30			
			2	5.20	0.20	0.90	1.87			
							3.17	cum	263.00	833.18
2	16.52	Removing barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metre lead. 25KGPer sqm	1.00	22.56		1.20	676.80	kg	7.70	5211.36
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		Wash area	4	1.80	0.20	0.10	0.14			
			2	5.20	0.20	0.10	0.21			
							0.35	Cum	2970.00	1045.44
4	16.8	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.								
		Existing Floor Area	1.00	23.7	9.60		227.52			
			1.00	9.60	3.00		28.80			
			1.00	6.00	3.00		18.00			
							274.32	sqm	57.00	15636.24
5	12.49	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)								
		Existing Floor Area					274.32			
							274.32	sqm	897.00	246065.04

PAINTING & PLASTER WORK FOR SLRM CENTRE									
1	As per Ammendment no 08, 05/05/2025 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.							
		Inner wall							
		SLRM	2.00	23.70		0.90	42.66		
			1.00	9.60		0.90	8.64		
			1.00	2.20		0.90	1.98		
			2x2	9.60		3.20	122.88		
			1.00	9.60		3.20	30.72		
			6.00	3.00		3.20	57.60		
		boundary wall	2.00	116.00		0.90	208.80		
		Deduction							
		D	2.00	2.70		0.90	-4.86		
		D1	3.00	0.90		2.10	-5.67		
		W	3.00	1.50		1.50	-6.75		
						Total	456.00	Sqm	64.00
									29184.00
2	As per Ammendment no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)							
		Outer wall							
		SLRM	2.00	27.30		0.90	49.14		
			2.00	3.40		3.20	21.76		
			1.00	10.00		3.20	32.00		
			1.00	10.00		0.90	9.00		
		boundary wall							
			2.00	143.50		1.50	430.50		
		Deduction							
		D	3.00	3.00		2.10	-18.90		
			1.00	2.70		0.90	-2.43		
						Total	521.07	Sqm	70.00
									36474.90
3	As per Ammendment no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint mimimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work							
		For SLRM Fencing	2.00	23.70		1.20	56.88		
			1.00	9.60		1.20	11.52		
			1.00	27.80		1.20	33.36		
							101.76		
			101.76	x	2.50		254.40	sqm	43.00
									10939.20

FLOORING										
1	12.4	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.								
			1	13.85	3.50		48.475			
							48.48	sqm	441.00	21377.48
SYNTEX										
1	19.42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	1				1000.00	LITER	7.3	7300.00
2	19.7	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:								
	19.7.2	20 mm dia. nominal bore	1	10.00			10.00	METER	185.00	1850.00
Grand Total										415287.04
Electrification work @ 3 %										12458.61
Grand Total										427745.65

NAGAR PANCHAYAT KHAROD, DISTT. JANJGIR-CHAMPA (C.G.)										
S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
1	16.6	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work including arches, stacking of serviceable material and disposal of unserviceable material within 50 metres lead								
	16.6.2	In cement mortar					4.93	cum	603.00	2969.78
2	12.74 AS PER AMMENDMENT	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.								
		12.74.1 Size 300x300mm								
		area								
		Toilet	3	1.35			4.05			
		Urinal	1				0.88			
						Total	4.93	Sqm	779.00	3837.00
3	As per Ammendment no 08, 05/05/2025 item no.14.57	Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @ 4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work . (This Item to be use in heigher grade painting works Item No. 14.65)								
		outer wall	1	11.70		2.20	25.74			
		inner wall	6	1.60		2.10	20.16			
			6	1.20		2.10	15.12	35.28		
						Total	61.02	Sqm	95.00	5797.00
4	As per Ammendment no 08, 05/05/2025 item no.14.60	Providing and applying of Acrylic primer on all surface applied @0.80 litres/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux Acrylic Primer) with all tools tackles and labour etc. complete for the work.								
				-	-	-	61.02			
						Total	61.02	Sqm	37.00	2258.00

[illegible]

9	8.148.2	8.148 Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance ± 1 mm) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge 8.148.2 Extruded section Profile size 42x50 mm.								
		D1	3	4.95			14.85	Mtr	196.00	2910.60
10	8.149.2	8.149 Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. 8.149.2 30 mm thick door shutters with styles and rails of size 60x30 mm								
		D1	3	0.75		2.10	4.73	Sqm	2488.00	11755.80
11	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
	8.58.2	100x85x5.50 mm (Heavy Type)								
			9	-	-	-	9.00			
						Total	9.00	Each	195.00	1755.0
12	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:								
	8.60.2	250x16mm								
			3	-	-	-	3.00			
						Total	3.00	Each	344.00	1032.0
13	8.61	Providing and fixing brass door latch with brass polished MS screws complete:								
	8.61.2	250x16x5 mm								
			6	-	-	-	6.00			
						Total	6.00	Each	268.00	1608.0
14	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:								

[illegible]

20	18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
		Tee/ Tee with door/ Bend 45°/ Bend 90								
		75 mm dia pipe.					6.00	Each	154.00	924.00
									Total	62241.48

NAGAR PANCHAYAT KHAROD, DISTT. JANJIR-CHAMPA (C.G.)

S. No	SOR	PARTICULARS	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		Plot Area	1	13.50	7.00	-	94.50			
						Total	94.50	Sqm	7.20	680.00
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soil								
		Footing								
		F1	8	1.50	1.50	1.80	32.40			
		Below Plinth								
		Long Wall	2	10.70	0.40	0.20	1.71			
		Short Wall	2	4.40	0.40	0.20	0.70			
		step	1	1.20	1.00	0.20	0.24			
						Total	35.05	Cum	185.00	6484.00
3	2	Extra for every additional lift of 1.5 m or part thereof.								
	1.6.1	All types of soil								
		F1	8	1.50	1.50	0.30	5.40			
						Total	5.40	Cum	26.50	143.00
4	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
		Filling At Side 60%					21.03			
						Total	21.03	Cum	65.00	1367.00
5	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete								
		F1	8	1.50	1.50	0.10	1.80			
		Floor	1	11.10	4.60	0.50	25.53			
		step	1	1.20	1.00	0.20	0.24			
		Long Wall	2	10.70	0.40	0.10	0.86			
		Short Wall	2	4.40	0.40	0.10	0.35			
						Total	28.78	Cum	371.00	10677.00

6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		Below Footing								
		F1	8	1.50	1.50	0.10	1.80			
		Floor Area	1	10.70	4.40	0.10	4.71			
		Below Plinth Beam								
		Long Wall	2	10.70	0.30	0.10	0.64			
		Short Wall	2	4.40	0.30	0.10	0.26			
		step	1	1.20	1.00	0.10	0.12			
						Total	7.53	Cum	2970.00	22364.00
7	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.								
		Long Wall	2	10.70	0.20	0.05	0.21			
		Short Wall	2	4.40	0.20	0.05	0.09			
						Total	0.30	Cum	4237.00	1271.00
8	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.								
		Long Wall	2	10.70	0.20	-	4.28			
		Short Wall	2	4.40	0.20	-	1.76			
						Total	6.04	Sqm	93.50	565.00
9	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work								
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		Footing								
		F1	8	1.20	1.20	0.30	3.46			
		Column (Upto Ground Level)								
		C1	8	0.20	0.30	1.30	0.62	2.15		
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	0.20	0.30	0.60	0.29			
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	0.20	0.30	3.10	1.49			
		Plinth Beams								
		Outer at Ground Lvl								
		Long Wall	2	10.70	0.20	0.45	1.93			
		Short Wall	2	4.40	0.20	0.45	0.79			
		Lintel Beam								
		Long Wall	1	10.70	0.20	0.15	0.32			
		Chajja								
		Long Wall	1	11.50	0.60	0.075	0.52			

		Slab Beam								
		Long Wall	2	10.70	0.20	0.45	1.93			
		Short Wall	4	4.40	0.20	0.45	1.58			
		Slab								
		All Area	1	10.90	4.80	0.125	6.54			
						Total	19.47	Cum	4163.00	81054.00
10	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:-								
	3.12.1	Thermo-Mechanically treated bars FE 415								
		As per Item No-	1	19.47	-	-	19.47			
						Total	19.47	Cum		
		@ 100kg /Cum of Concrete	1	19.47	x	100.00	1947.00			
						Total	1947.00	Kg	54.50	106112.00
11	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Footing								
		F1	8	4.80	-	0.30	11.52			
		Column (Upto Ground Level)								
		C1	8	1.00	-	1.30	10.40			
		Column(Ground Lvl to Plinth Lvl)								
		C1	8	1.00	-	0.60	4.80			
		Plinth Beams								
		Outer at Ground Lvl								
		Long Wall	2	10.70	-	0.90	19.26			
		Short Wall	2	4.40	-	0.90	7.92			
						Total	53.90	Sqm	139.00	7492.00
	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column (Abv. Plinth Top to GF Slab Top)								
		C1	8	1.00	-	3.10	24.80			
						Total	24.80	Sqm	297.00	7366.00
	2.1.13	Weather shade, chhajja, Cornices and mouldings								
		Long Wall	1	11.50	0.60	-	6.90			
		Side	1	12.70	-	0.10	1.27			
						Total	8.17	Sqm	294.00	2402.00
	2.1.8	Beams, lintels, cantilevers & walls								
		Lintel Beam								
		Long Wall	2	10.70	-	0.15	3.21			
		Slab Beam								
		Long Wall	4	10.70	-	0.45	19.26			
		Short Wall	8	4.40	-	0.45	15.84	35.10		
						Total	38.31	Sqm	202.00	7739.00

[illegible]

14	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:								
	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).								
		W	2	1.50	-	1.20	3.60			
						Total	3.60	Sqm		
		For Weight	1	3.60	x	15.00	54.00	Kg		
						Total	54.00	Kg	338.00	18252.00
15	12.79.1 AS PER AMMEN DMENT	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
		12.79.1 Size 600x600mm								
		area								
			1	11.10	4.60		51.06			
						Total	51.06	Sqm	1082.00	55247.00

16	12.50	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)								
		Steps	4.00	1.20	0.75		3.60			
							3.60	sqm	990.00	3564.00
17	11.1	Providing and making 6mm thick cement plaster of mix:								
	11.1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)								
							24.80			
							8.17			
							35.10			
							54.24			
			1	32.20		0.125	4.03			
						Total	126.34	Sqm	87.00	10991.00
18	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
			2	11.10		3.00	66.60			
			2	4.60		3.00	27.60			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	85.56	Sqm	91.50	7829.00
19	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		Outer Plaster								
		Long Wall	2	11.50	-	5.10	117.30			
		Short Wall	2	5.00	-	5.10	51.00			
		Deduction								
		D	2	1.20		2.10	-5.04			
		W	2	1.50		1.20	-3.60			
						Total	159.66	Sqm	107.00	17084.00

20	As per Ammend ment no 08, 05/05/20 25 item no.14.57	Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @ 4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work . (This Item to be use in heigher grade painting works Item No. 14.65)								
		As per item No-	16	-	-	-	126.34			
		As per item No-	17	-	-	-	85.56			
		As per item No-	18	-	-	-	159.66			
						Total	371.56	Sqm	95.00	35298.00
21	As per Ammend ment no 08, 05/05/20 25 item no.16.60	Providing and applying of Acrylic primer on all surface applied @0.80 litrs/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux Acrylic Primer) with all tools tackles and labour etc. complete for the work.								
				-	-	-	371.56			
						Total	371.56	Sqm	37.00	13748.00
22	As per Ammend ment no 08, 05/05/20 25 item no.16.62	Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Lital Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the								
				-	-	-	85.56			
				-	-	-	126.34			
						Total	211.90	Sqm	64.00	13561.00

23	As per Amendment no 08, 05/05/20 25 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus ,Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)								
				-	-	-	159.66			
						Total	159.66	Sqm	70.00	11176.00
24	4.21	Providing post water proofing treatment against dampness & Seepage inroof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer								
			1	11.50	5.00		57.50			
						Total	57.50	Sqm	611.00	35133.0
25	8.3	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm								
		DOOR	12	-	-	-	12.00			
						Total	12.00	Each	72.50	870.0
26	8.12	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.								
	8.12.2	35 mm. thick (single leaf)								

	8.15	Extra for double leaf shutter instead of single leaf.								
		Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	2	1.20	-	2.10	5.04			
						Total	5.04	Sqm	2057.00	10367.0
27	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
	8.58.2	100x85x5.50 mm (Heavy Type)								
		Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	12	-	-	-	12.00			
						Total	12.00	Each	195.00	2340.0
28	8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:								
	8.60.2	250x16mm								
		Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	2	-	-	-	2.00			
						Total	2.00	Each	344.00	688.0

29	8.61	Providing and fixing brass door latch with brass polished MS screws complete:								
	8.61.2	250x16x5 mm								
		Providing post water proofing treatment against dampness & Seepage inroof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	2	-	-	-	2.00			
						Total	2.00	Each	268.00	536.0
30	8.62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:								
	8.62.2	200x10mm								
		Providing post water proofing treatment against dampness & Seepage inroof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer	2	-	-	-	2.00			
						Total	2.00	Each	231.00	462.0
31	8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:								
	8.65.1	125 mm								
			4	-	-	-	4.00			
						Total	4.00	Each	55.50	222.0
32	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
			2	1.50	-	1.20	3.60			
							3.60	Sqm		
		For Qty of steel= Area x 30.0 kg/Sqm	1	3.60	x	30.00	108.00			
						Total	108.00	kg	67.50	7290.0

33	9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
	9.51.2	With float glass panes of 5 mm thickness								
		As Per Item No-	32	-	-	-	3.60			
						Total	3.60	Sqm	708.00	2549.0
34	As per Ammend ment no 08, 05/05/20 25 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work								
		Premium synthetic enamel paint								
		On Steel work								
		As per item No-	0	-	-	-	3.60			
		On Wood work								
			2	1.20	x	2.10	5.04			
						Total	8.64	Sqm		
		For Area for Painting	1	8.64	x	2.50	21.60			
						Total	21.60	Sqm	43.00	929.0
35	9.37	Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.								
			6	-	-	-	6.00			
						Total	6.00	Each	97.00	582.0
							Total			586843.00
		Electrification @ 9%	0.09							52815.87
							G. Total			639658.87

SN	DESCRIPTION OF ITEM	1	NOS	MEASUREMENT			QTY	RATE	UNIT	AMOUNT
			L	B	H/D					
I	II		III	IV	V	VI	VII	VIII	IX	X
1	21.1 Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge up to 90 metre depth below ground level.									
	21.1.1 All types of soil									
	21.1.1.3 150 mm dia									
	[PWD S.O.R. P-198/I-21.1.1	1	18.00				18.00			
	total						18.00	339.00	meter	6102.00
2	21.1.2 Rocky strata including Boulders.									
	21.1.2.3 150 mm dia.									
	[PWD S.O.R. P-198/I-21.1.2	1	72.00				72.00			
	total						72.00	396.00	meter	28512.00
3	21.5 Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge.									
	21.5.3 150 mm nominal dia									
	[PWD S.O.R. P-199/I-21.5.3	1	18.50				18.50			
	total						18.50	1304.00	meter	24124.00

4	21.10 Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge							
	[PWD S.O.R. P-200/I-21.10	1	6.00		6.00			
	total				6.00	654.00	hour	3924.00
5	21.11 Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:							
	21.11.3 150 mm dia							
	[PWD S.O.R.P-200/I-21.11.3	1	1.00		1.00			
	total				1.00	217.00	each	217.00
6	19.7 Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:							
	19.7.6 50 mm dia.							
		1	45.00		45.00			
	total				45.00	471.00	meter	21195.00
7	34.20.106 Supplying & Installation of Energy efficient five star BEE rating ISI Marked required capacity of Three Phase, 50 Hz, 415V, deep well submersible pump Steel body, suitable for 6" tube well with Control Panel Starter suitable for Submersible pump with dry run protection, single phase preventer, connections, including clamps, bore cap etc. as required as per specifications but excluding pipe and connection cable.							
	(iii) 5 H.P. with 8 to 9 stages, Head Mt. 83-32 Discharge LPM 60-270							
	[PHED S.O.R. ammt. 30.20.115 (iii)]	1			1.00			
	total				1.00	41775.00	each	41775.00
8	34.20.107 Supplying and laying of submersible flat cable ISI marked 3 core copper wire of suitable size with proper clamping of approved make.							
	(iii) 6.0 Sq.mm. multi strand							

[illegible]

DETAILED ESTIMATE

NAME OF WORK :- ESTIMATE FOR CONSTRUCTION OF RAIN WATER HARVESTING


(Type 1- पुनर्भरण पिट वर्गाकार/आयताकार)

CG PWD Building SOR inforced from 01.01.2015


S.	S.O.R.	Particulars of Items	No.	L.	B.	D.	Quantity	Unit	Rate	Amount
1	2	3	4	5	6	7	8	9	10	11
1	16.36	Dismantling terrazzo or mosaic or glazed vitreous or patent cement or tiled flooring or dado skirting of any thickness without sub								
			1	1.50	1.50	-	2.25	sqm	22.50	50.63
2	16.43	Demolishing cement concrete including disposal of material within 50 metre lead.								
		1:3:6 or richer mix	1	1.50	1.50	0.10	0.23	sqm	549.00	126.27
3	1.1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.								
			1	1.50	1.50	1.95	4.39	cum	185.00	811.69
4	3.1.3	Providing and laying nominal mix plaincement concrete with crushedstone aggregate using concrete mixer in all works upto plinth leve lexcluding cost of form 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mmnominal size).								
			2	1.50	0.25	0.10	0.08			
			2	1.00	0.25	0.10	0.05			
			Total				0.13	cum	2970.00	386.10
5	3.1.5	Providing and laying nominal mix plaincement concrete with crushedstone aggregate using concrete mixer in all works upto plinth level excluding cost of form 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		coping	2	1.50	0.25	0.05	0.04			
			2	1.00	0.25	0.05	0.03			
			Total				0.06	cum	4073.00	254.56
6	7.13	Half brick thick honey comb brick work with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% upto plinth level.								
	7.13.1	Cement Mortar 1:3 (1 cement : 3 coarse sand)	2	1.50		0.9	2.70			
			2	1.00		0.9	1.80			
			Total				4.50	sqm	337.00	1516.50

7	7.9	Half brick thick (9cm) brick masonry with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% upto plinth								
	7.9.1	Cement Mortar 1:3 (1 cement : 3 Coarse sand)	2	1.50		0.85	2.55			
			2	1.00		0.85	1.7			
			Total				4.25	sqm	448.00	1904.00
8	11.2.3	Providing and making 12mm thick cement plaster of mix:In Cement Mortar 1:5 (1 cement : 5 fine sand)								
			4	1.25		1.75	8.75			
			Total				8.8	sqm	96.50	844.38
9	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		cover	1	1.60	1.60	0.10	0.26			
			Total				0.26	cum	4163.00	1065.73
10	3.9	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement								
							0.26	cum	469.00	120.06
11	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Cold twisted bar/ Hot rolled deformed steel								
			0.26 x 60kg/cum				15.60	kg	53.50	834.60
12	21.14	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately).								
	21.14.1	Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	1.25	1.25	0.60	0.94	cum	863.00	809.06
		Stone boulders of size range 5 cm to 5 cm, in recharge pit	1	1.25	1.25	0.30	0.47	cum	863.00	404.53
	21.14.2	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	1.25	1.25	0.20	0.31	cum	806.00	251.88
	21.14.3	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	1.25	1.25	0.30	0.47	cum	471.00	220.78

13	18.76	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm							
	18.76.1	110mm dia pipe.	1	8.50			8.50	metre	2269.50
14	18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring							
	18.77.1	Tee/ Tee with door/ Bend 45°/ Bend 90°							
	18.77.1.	110mm dia	1	5.00			5.00	each	770.00
15	9.44	Providing and fixing "NETLON insect screens" with 25mm wide Hook and loop tape all around to wooden/ aluminium/ steel windows, ventilators and the like complete.							
			1	1.25	1.25		1.56	sqm	434.38
SOR TOTAL									13074.64
	Non sor	COAL	30				30.0	KG	1350.00
		ALUM	6				6.0	KG	540.00
NON SOR TOTAL									1890.00
GRAND TOTAL RS									14964.64
SAY RS.									15000.00

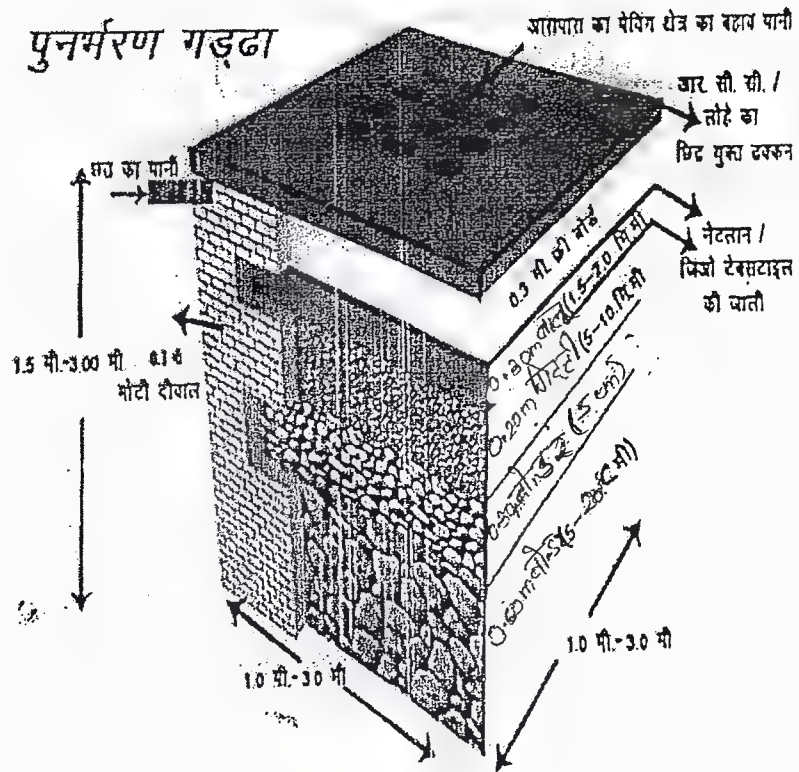

Sub Engineer
UAD Raipur


Assistant Engineer
UAD Raipur
O/o Director
Urban Administration & Development
C.G. Raipur


Executive Engineer
Dir. Urban Administration & Development
C.G. Raipur
14/06/2019

भू-जल पुनर्भरण: तरीके एवं तकनीक: पुनर्भरण पिट(गड़ढा)

पुनर्भरण गड़ढा



वर्गाकार/आयताकार

1. यह तकनीक लगभग 200 वर्ग मी. तक वाली छत के लिए उपयुक्त है।
2. डिजाइन संकेत है। वास्तविक डिजाइन साईट की परिस्थिति पर निर्भर करता है।

पैसा गिनो दो बार, पानी बचत हर बार

14/06/20
C.G. Raipur
Urban Administration & Development
C.G. Raipur