

Abstract Sheet

Abstract Sheet							
Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
Excavation (BDA)							
1	BDA1/21.01	725/ 189	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means				
			UNDER GROUND	67.50	CUM	250.95	16939.13
2	BDA10/ 21.36	755/ 194	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete				
			GROUND FLOOR	88.21	CUM	126.00	11114.11
3	BDA10/ 21.37	756/ 194	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.				
			GROUND FLOOR	125.56	CUM	834.75	104811.94
4	2.28	101/24	Providing erth work embenkment with approved materials obtained from other sources upto lead of 50m including all lifts laying in layers of 20cm to 30 cm thickness breaking clods ,dressing to the requirement lines curves grades ^& sectins watering and compaction with vibrator roller with v-sat attachment to acheive not less than 97% of standard pctor density etc complete				
			GROUND FLOOR	774.00	CUM	794.85	615213.90
5	2.29A	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete				
			GROUND FLOOR	516.00	CUM	627.90	323996.40
6	2.29B	103/24	Supplying soft murum at the road side including conveying and stacking complete				
			GROUND FLOOR	344.00	CUM	614.25	211302.00
7	2.3	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)				
			GROUND FLOOR	344.00	SQMT	82.95	28534.80
8	2.34	108/24	Provding dry rubble stone pitching 23cm (9") including all material quarry spalls,labour etc.complete				
			GROUND FLOOR	395.60	SQMT	433.65	171551.94
BD-E : PLAIN CEMENT CONCRETE							
9	BDE2/ 24.04	833/ 215	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for plain or molded sills, cornice, jambs, block in course, or architraves of required size and shapes including steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided,finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			GROUND FLOOR	15.79	CUM	6676.95	105395.66
BD -F : REINFORCED CEMENT CONCRETE							

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
10	BDF3/25.11	841/219	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			BELOW GROUND	2.00	CUM	7104.00	14208.00
11	BDF5/25.31	846/221	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			GROUND FLOOR	56.70	CUM	14472.15	820570.91
12	BDF6/25.50	851/223	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.				
			GROUND FLOOR	69.32	CUM	12882.45	893043.64
13	BDF9/26.05	856/225	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			GROUND FLOOR	0.95	CUM	14682.15	13906.03
14	BDF12/26.23	867/229	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			GROUND FLOOR	7.39	CUM	7549.50	55757.06

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
15	BDF17/26.33	876/233	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.				
		GROUND FLOOR		26.98	MT	94188.15	2540770.69

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
BD -G : BRICK WORK							
16	BDG 1/27.01	894/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.				
			GROUND FLOOR	26.91	CUM	8142.75	219121.40
17	BDG 5/27.05	897/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete				
			GROUND FLOOR	82.08	CUM	8393.70	688917.12
BD -L : PLASTERING & POINTING							
18	BDL2/ 32.03	962/256	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc.				
			GROUND FLOOR	356.85	SQ.MT	284.55	101541.67
19	BDL 7/ 32.11	968/257	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.				
			GROUND FLOOR	356.85	SQ.MT	670.95	239428.51
BD -P: COLOUR/WHITE WASHING, DESTEMPERING							
20	BDP6A/36 .14	1114/280	Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete.				
			GROUND FLOOR	713.70	SQ.MT	141.75	101166.98
BD -U: IRON WORK							
21	BDU 1/ 40.1	1296/329	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.				
			GROUND FLOOR	27.00	SQ.MT	2201.85	59449.95
BD -C : STRUCTURAL STEEL WORK							
22	BDC/23.0 7	820/129	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. Number : As directed by Engineer-in-charge.				
			GROUND FLOOR	8.61	MT	120572.55	1038129.66
BD -R: ROOFING AND CEILING							
23	BDR5/38.0 4	1142/171	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanized iron screws and bolts,lead and bitumen washers etc.complete.(Weight of 6.8 Kilogram/sq.m.).				
			GROUND FLOOR	1525.29	SQMT	1195.95	1824170.58
BD -W: MISCELLANEOUS							

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
24	BDT55/39.24	1215/181	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear)				
			GROUND FLOOR	75.24	SQMT	5070.45	381500.66
25	IRC 67 2015	307/89	Providing And fixing Infarmatory sign boards in rectangular shape of size 1.20x0.90 made out of 16 guage aluminium panel bonded with irc specified colour background including M.S angle iron frame of size 35mmx35mmx3mm & 2 m.s angle iron post size 65mmx65mmx6mm 3.65 long duly painted with flat oil paint fixing the board in m20 concrete block of size				
			GROUND FLOOR	2.00	NO	11891.25	23782.50
26	As directed by Engineer in charge	1563/399	RWH shallow percolating pit providing constructing 2.0m deep shallow depth percolation pit comprising of 1.0m dia pre cast rcc rings 300mm thk side filling around outside of rcc rings (annular space) with 40mm size boulders including filling of percolation pit upto 0.5m depth (from bottom) with 25-75mm clean washed gravels followed by 0.5m depth of 10-25mm of				
			GROUND FLOOR	1.00	NO	51187.50	51187.50
TOTAL AMOUNT FOR ARCHITECTURAL WORK							10655512.71

ARCHITECTURAL MEASUREMENT SHEET

MEASUREMENT SHEET FOR INDIVIDUAL ITEM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details							
Excavation (BDA)										
1	BDA1/21.01	725/ 189	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	BUILDING WORK	20.00	1.50	1.50	1.50	67.50	CUM	
			TOTAL						67.50	CUM
2	BDA10/ 21.36	755/ 194	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete							
	Amount In Words: One		DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	BUILDING WORK	20.00	1.50	1.50	0.10	4.50	CUM	
		3	Below Floor	1.00	21.35	33.55	0.10	71.63	CUM	
				1.00	3.60	33.55	0.10	12.08	CUM	
			TOTAL QTY FOR MURUM FILLING						88.21	CUM
3	BDA10/ 21.37	756/ 194	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	Below Floor	1.00	21.35	33.55	0.15	107.44	CUM	
				1.00	3.60	33.55	0.15	18.12	CUM	
			TOTAL QTY FOR MURUM FILLING						125.56	CUM
4	2.28	101/24	Providing earth work embankment with approved materials obtained from other sources upto lead of 50m including all lifts laying in layers of 20cm to 30 cm thickness breaking clods ,dressing to the requirement lines curves grades A& sections watering and compaction with vibrator roller with v-sat attachment to achieve not less than 97% of standard proctor density etc complete							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	Land Leveling	1.00	20.00	50.00	0.45	450.00	CUM	
		2	Road Leveling	1.00	60.00	12.00	0.45	324.00	CUM	
			TOTAL QTY FOR MURUM FILLING						774.00	CUM
5	2.29A	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	Land Leveling	1.00	20.00	50.00	0.30	300.00	CUM	
		2	Road Leveling	1.00	60.00	12.00	0.30	216.00	CUM	
			TOTAL QTY FOR MURUM FILLING						516.00	CUM
6	2.29B	103/24	Supplying soft murum at the road side including conveying and stacking complete							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
		1	Land Leveling	1.00	20.00	50.00	0.20	200.00	CUM	

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
		2	Road Leveling	1.00	60.00	12.00	0.20	144.00	CUM
			TOTAL QTY FOR MURUM FILLING					344.00	CUM
7	2.3	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Land Leveling	1.00	20.00	50.00	0.20	200.00	CUM
		2	Road Leveling	1.00	60.00	12.00	0.20	144.00	CUM
			TOTAL QTY FOR MURUM FILLING					344.00	CUM
8	2.34	108/24	Providing dry rubble stone pitching 23cm (9") including all material quarry spalls,labour etc.complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Land Leveling	1.00	20.00	50.00	0.23	230.00	SQMT
		2	Road Leveling	1.00	60.00	12.00	0.23	165.60	CUM
			TOTAL QTY FOR MURUM FILLING					395.60	SQMT
BD-E : PLAIN CEMENT CONCRETE									
9	BDE2/ 24.04	833/ 215	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for plain or molded sills, cornice, jambs, block in course, or architraves of required size and shapes including steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided,finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	20.00	1.55	1.55	0.10	4.81	CUM
			Below Floor	1.00	2.00	21.35	0.10	4.27	CUM
				1.00	2.00	33.55	0.10	6.71	CUM
			TOTAL QTY FOR PCC					15.79	CUM
BD -F : REINFORCED CEMENT CONCRETE									
10	BDF3/ 25.11	841/219	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	20.00	1.00	1.00	0.10	2.00	CUM
			TOTAL					2.00	CUM
11	BDF5/ 25.31	846/221	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	20.00	0.45	0.60	1.20	6.48	CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
		2	Building Work	20.00	0.45	0.60	9.30	50.22	CUM
			TOTAL QUANTITY OF COLUMNS					56.70	CUM
12	BDF6/ 25.50	851/223	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			Building Work						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Plinth PB1	4.00	21.35	0.30	0.45	11.53	CUM
				5.00	33.55	0.30	0.45	22.65	CUM
				1.00	3.60	0.30	0.45	0.49	CUM
			Lintel Beam	4.00	21.35	0.30	0.45	11.53	CUM
				5.00	33.55	0.30	0.45	22.65	CUM
				1.00	3.60	0.30	0.45	0.49	CUM
			Total Qty For Ground Floor					69.32	CUM
			TOTAL QUANTITY FOR PLINTH BEAMS AND COPING					69.32	CUM
13	BDF9/ 26.05	856/225	Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Window/Door	10.00	2.00	0.45	0.11	0.95	CUM
			Total Qty For Ground Floor					0.95	CUM
			TOTAL QUANTITY OF chajja					0.95	CUM
14	BDF12/26.23	867/229	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Long Wall	2.00	33.55	0.23	0.30	4.63	CUM
			short Wall	2.00	21.35	0.23	0.23	2.26	CUM
				2.00	3.60	0.23	0.30	0.50	CUM
			Total Qty For Ground Floor					7.39	CUM
			TOTAL QUANTITY OF Coping					7.39	CUM
15	BDF17/ 26.33	876/233	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.						
			STEEL						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
		1	Building Work	1.00	716.29	10.76	7707.28	26975.48	
			TOTAL QUANTITY OF STEEL					26.98	MT
BD -G : BRICK WORK									
16	BDG 1/27.01	894/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Long Wall	2.00	33.55	0.23	1.00	15.43	CUM
			short Wall	2.00	21.35	0.23	1.00	9.82	CUM
				2.00	3.60	0.23	1.00	1.66	CUM
			Total					26.91	CUM
			TOTAL QUANTITY OF BRICK WORK					26.91	CUM
17	BDG 5/27.05	897/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Long Wall	2.00	33.55	0.23	3.05	47.07	CUM
			short Wall	2.00	21.35	0.23	3.05	29.95	CUM
				2.00	3.60	0.23	3.05	5.05	CUM
			Total					82.08	CUM
			Total Qty For Ground Floor					82.08	CUM
			TOTAL QUANTITY OF BRICK WORK					82.08	CUM
BD -L: PLASTERING AND POINTING									
18	BDL2/ 32.03	962/256	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Internal Plaster	2.00	33.55		3.05	204.66	SQ.MT
				2.00	21.35		3.05	130.24	SQ.MT
				2.00	3.60		3.05	21.96	SQ.MT
			Total					356.85	SQ.MT
			Total Qty For Ground Floor					356.85	SQ.MT
			TOTAL QUANTITY OF INTERNAL PLASTER					356.85	SQ.MT
19	BDL 7/ 32.11	968/257	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	2.00	33.55		3.05	204.66	SQ.MT
				2.00	21.35		3.05	130.24	SQ.MT
				2.00	3.60		3.05	21.96	SQ.MT
			Total					356.85	SQ.MT
			Total Qty For Ground Floor					356.85	SQ.MT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY OF EXTERNAL PLASTER					356.85	SQ.MT
BD -P: COLOUR/WHITE WASHING, DESTEMPERING									
20	BDP6A/36.14	1114/280	Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			TOTAL QUANTITY OF INTERNAL PLASTER					356.85	SQ.MT
			TOTAL QUANTITY OF EXTERNAL PLASTER					356.85	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					713.70	SQ.MT
BD -U: IRON WORK									
21	BDU 1/ 40.1	1296/329	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	M.S Grill W1	10.00	1.80		1.50	27.00	SQ.MT
			Total Qty For Ground Floor					27.00	SQ.MT
			TOTAL QUANTITY OF M.S GRILL					27.00	SQ.MT
BD -C : STRUCTURAL STEEL WORK									
22	BDC/23.07	827/219	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. Number : As directed by Engineer-in-charge.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	1.00	24.60	35.00	861.00	8610.00	SQMT
			TOTAL QUANTITY OF STEEL					8.61	MT
BD -R: ROOFING AND CEILING									
23	BDR5/38.04	1150/286	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete. (Weight of 6.8 Kilogram/sq.m.).						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	1.00	35.00	24.60		861.00	SQMT
				2.00	21.35	6.05		258.34	SQMT
				2.00	33.55	6.05		405.96	SQMT
			TOTAL QUANTITY OF SHEET					1525.29	SQMT
BD -W: MISCELLANEOUS									
24	BDT55/39.24	1222/307	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	6.00	4.18	3.00		75.24	SQMT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY OF SHEET					75.24	SQMT
25	IRC 67 2015	307/89	Providing And fixing Infarmatory sign boards in rectangular shape of size 1.20x0.90 made out of 16 guage aluminium panel bonded with irc specified colour background including M.S angle iron frame of size 35mmx35mmx3mm & 2 m.s angle iron post size 65mmx65mmx6mm 3.65 long duly painted with flat oil paint fixing the board in m20 concrete block of size 60mmx60mmx75mm including transportation etc						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Sign Board	2.00				2.00	NO
			TOTAL QUANTITY					2.00	NO
26	As directed by Engineer in charge	1563/399	RWH shallow percolating pit providing constructing 2.0m deep shallow depth percolation pit comprising of 1.0m dia pre cast rcc rings 300mm thk side filling around outside of rcc rings (annular space) with 40mm size boulders including filling of percolation pit upto 0.5m depth (from bottom) with 25-75mm clean washed gravels followed by 0.5m depth of 10-25mm of clean washed stone followed by 0.5m washed of river fine aggregate (natural sand crushed sand VSI grade finaly washed etc including netlon mesh between each gravel/fine aggregate (natural sand crushed sand VSI grade finaly washed etc) media layer including covering with rcc slab manhole frame & cover pvc rungsetc. including arrangment on inlet & outlet pipe excavation & backfilling as shown in the drawing . the rate shall be inclusive of all labour material wastage scaffolding transportation taxes , including all leads,lifts at all levels.All material should be of approved make .All works complete as per the drawing technical specification and direection of the engineer in charge						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Rain Water	1.00				1.00	NO
			TOTAL QUANTITY					1.00	NO

Rate Analysis

Rate Analysis

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details			
Excavation (BDA)						
1	BDA1/21.01	725/ 189	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		239.00	
			Carporation area	5.0%	11.95	
			Ground Floor		250.95	
						250.95
						Rs./ CUM
2	BDA10/21.36	755/ 194	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		120.00	
			Carporation area	5.0%	6.00	
			Ground Floor		126.00	
						126.00
						Rs./ CUM
3	BDA10/21.37	756/ 194	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		795.00	
			Carporation area	5.0%	39.75	
			Ground Floor		834.75	
						834.75
						Rs./ CUM
4	2.28	101/24	Providing erth work embenkment with approved materials obtained from other sources upto lead of 50m including all lifts laying in layers of 20cm to 30 cm thickness breaking clods ,dressing to the requirement lines curves grades ^& sectins watering and compaction with vibrator roller with v-sat attachment to acheive not less than 97% of standard pctor density etc complete			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		757.00	
			Carporation area	5.0%	37.85	
			Ground Floor		794.85	
						794.85
						Rs./ CUM
5	2.29A	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		598.00	
			Carporation area	5.0%	29.90	
			Ground Floor		627.90	
						627.90
						Rs./ CUM
6	2.29B	103/24	Supplying soft murum at the road side including conveying and stacking complete			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		585.00	
			Carporation area	5.0%	29.25	
			Ground Floor		614.25	
						614.25
						Rs./ CUM
7	2.3	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		79.00	
			Carporation area	5.0%	3.95	
			Ground Floor		82.95	
						82.95
						Rs./ CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details			
					82.95	Rs./ CUM
8	2.34	108/24	Providing dry rubble stone pitching 23cm (9") including all material quarry spalls,labour etc.complete			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		413.00	
			Corporation area	5.0%	20.65	
			Ground Floor		433.65	
					433.65	Rs./ CUM
BD-E : PLAIN CEMENT CONCRETE						
9	BDE2/ 24.04	833/ 215	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for plain or molded sills, cornice, jambs, block in course, or architraves of required size and shapes including steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided,finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		6359.00	
			Corporation area	5.0%	317.95	
			Ground Floor		6676.95	
					6676.95	Rs./ CUM
BD -F : REINFORCED CEMENT CONCRETE						
10	BDF3/ 25.11	841/219	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		7104.00	
			Corporation area	5.0%	355.20	
			Ground Floor		7459.20	
					7459.20	Rs./ CUM
11	BDF5/ 25.31	846/221	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		13783.00	
			Corporation area	5.0%	689.15	
			Ground Floor		14472.15	
					14472.15	Rs./ CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				
12	BDF6/ 25.50	851/223	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		12269.00		
			Carporation area	5.0%	613.45		
			Ground Floor		12882.45		
						12882.45	Rs./ CUM
13	BDF9/ 26.05	856/225	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		13983.00		
			Carporation area	5.0%	699.15		
			Ground Floor		14682.15		
						14682.15	Rs./ CUM
14	BDF12/26.2 3	867/229	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		7190.00		
			Carporation area	5.0%	359.50		
			Ground Floor		7549.50		
						7549.50	Rs./ CUM
15	BDF17/ 26.33	876/233	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		89703.00		
			Carporation area	5.0%	4485.15		
			Ground Floor		94188.15		
						94188.15	Rs./M.T.
BD -G : BRICK WORK							
16	BDG 1/27.01	894/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		7755.00		
			Carporation area	5.0%	387.75		
			Ground Floor		8142.75		

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details			
					8142.75	Rs./ CUM
17	BDG 5/27.05	897/242	Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		7994.00	
			Corporation area	5.0%	399.70	
			Ground Floor		8393.70	
					8393.70	Rs./ CUM
BD -L: PLASTERING AND POINTING						
18	BDL2/ 32.03	962/256	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		271.00	
			Corporation area	5.0%	13.55	
			Ground Floor		284.55	
					284.55	Rs./ SQMT
19	BDL 7/ 32.11	968/257	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		639.00	
			Corporation area	5.0%	31.95	
			Ground Floor		670.95	
					670.95	Rs./ SQMT
BD -P: COLOUR/WHITE WASHING, DESTEMPERING						
20	BDP6A/36. 14	1114/280	Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		135.00	
			Corporation area	5.0%	6.75	
			Ground Floor		141.75	
					141.75	Rs./ SQMT
BD -U: IRON WORK						
21	BDU 1/ 40.1	1296/329	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		2097.00	
			Corporation area	5.0%	104.85	
			Ground Floor		2201.85	
					2201.85	Rs./ SQMT
BD -C : STRUCTURAL STEEL WORK						
22	BDC/23.07	827/219	Providing, fabricating and erecting at site of work the tubular steel structure (shed) as per standard design and specifications having various spans in between trusses and in multiples of standard length of bays as specified as per standard specifications, inclusive of cost of steel tubular trusses, tubular columns purlins, tie runners, foundation bolts, base plates, nuts and bolts, welding wherever required etc. as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade etc. complete. Spec. Number : As directed by Engineer-in-charge.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		114831.00	

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details			
			Corporation area	5.0%	5741.55	
			Ground Floor		120572.55	
					120572.55	Rs./M.T.
BD -R: ROOFING AND CEILING						
23	BDR5/38.04	1150/286	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		1139.00	
			Corporation area	5.0%	56.95	
			Ground Floor		1195.95	
					1195.95	Rs./SQ.FT
BD -W: MISCELLANEOUS						
24	BDT55/39.24	1222/307	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear)			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		4829.00	
			Corporation area	5.0%	241.45	
			Ground Floor		5070.45	
					5070.45	Rs./SQ.FT
25	IRC 67 2015	307/89	Providing And fixing Informatory sign boards in rectangular shape of size 1.20x0.90 made out of 16 guage aluminium panel bonded with irc specified colour background including M.S angle iron frame of size 35mmx35mmx3mm & 2 m.s angle iron post size 65mmx65mmx6mm 3.65 long duly painted with flat oil paint fixing the board in m20 concrete block of size 60mmx60mmx75mm including transportation etc			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		11325.00	
			Corporation area	5.0%	566.25	
			Ground Floor		11891.25	
					11891.25	Rs./SQ.FT
26	As directed by Engineer in charge	1563/399	RWH shallow percolating pit providing constructing 2.0m deep shallow depth percolation pit comprising of 1.0m dia pre cast rcc rings 300mm thk side filling around outside of rcc rings (annular space) with 40mm size boulders including filling of percolation pit upto 0.5m depth (from bottom) with 25-75mm clean washed gravels followed by 0.5m depth of 10-25mm of clean washed stone followed by 0.5m washed of river fine aggregate (natural sand crushed sand VSI grade finally washed etc including netlon mesh between each gravel/fine aggregate (natural sand crushed sand VSI grade finally washed etc) media layer including covering with rcc slab manhole frame & cover pvc rungsetc. including arrangment on inlet & outlet pipe excavation & backfilling as shown in the drawing . the rate shall be inclusive of all labour material wastage scaffolding transportation taxes , including all leads,lifts at all levels.All material should be of approved make .All works complete as per the drawing technical specification and direction of the engineer in charge			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		48750.00	
			Corporation area	5.0%	2437.50	
			Ground Floor		51187.50	
					51187.50	Rs./SQ.FT

**PROPOSED CONSTRUCTION WARE HOUSE BUILDING FOR BALASAHEB THAKRE KRUSHI VYAVSAY AND GRAMIN PARIVARTAN (SMART)
PRAKALPAANTARGAT AT MOUZA SALAI KHURD , GAT NO 946,TAH MOHADDI DIST BHANDARA BELONGING TO AMBAGAD FARMERS
PRODUCER COMPANY**

SR .NO	Description	Quantity	Unit	Rate	Amount
1	Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	25.00	RMT	290.00	7250.00
2	Making trench of suitable width and depth in hard murum /tar road for laying provided LT cable up to and including 16 sq. mm complete as per specification no. CW-EXNCTR	12.00	RMT	205.00	2460.00
3	Making trench of suitable width and depth in soft soil for laying provided LT cable up to and including 16 sq.mm complete as per specification no. CW-EXN-CTR	12.00	RMT	175.00	2100.00
4	Supplying & erecting mains PVC unarmoured cable 1100 Volt grade ISI mark 3 core 6	100.00	RMT	135.00	13500.00
5	Supplying erecting weatherproof powder coated distribution board 4 way with 2 x 6/10 Amp S. P. M. C. B. with industrial two pin plug socket 10 A and 3 pin plug top 10 A with top cover necessary connection etc complete with approved make.	10.00	NOS.	1310.00	13100.00
6	Providing point wiring for street light with PVC unarmoured cable 1100Volt grade ISI mark 3 core 1.5 sqmm stranded / solid copper erected on wall with G. I. Saddle duly painted @ 0,25 m C/C rigidly grouted in the wall with the help of plated screw including 4" x 4" M. S. box 2 way with epoxy painting. 7 Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	6.00	NOS.	1225.00	7350.00
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	4.00	NOS.	230.00	920.00
8	Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS	4.00	NOS.	2015.00	8060.00
9	Supplying and erecting street light Wall bracket made from 40 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	4.00	NOS.	715.00	2860.00
10	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	1.00	NOS.	4350.00	4350.00
11	Providing pipe type earthing with 40mm, dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP	1.00	NOS.	1450.00	1450.00
12	Supplying, erecting & marking DPMCB 6A to 32A, C-series (for motor/power) in provided distribution board as per specification no. SW-SWR/MCB	1.00	NOS.	495.00	495.00
13	Supplying, erecting & marking SPMCB 6A to 32A, B-series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB	1.00	NOS.	165.00	165.00

14	Supplying and erecting GI sheet 1.6 mm (16 SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1.00	SQM	2270.00	2270.00
15	Supplying and erecting marine plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners, supports, nut bolts etc.	1.00	SQM	1345.00	1345.00
16	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on iron / GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB	1.00	NOS.	4735.00	4735.00
17	Supplying & erecting G.I. pipe 'A' class 25 10.00 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	10.00	RMT	198.00	1980.00
18	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	10.00	RMT	305.00	3050.00
19	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	12.00	RMT	3.00	36.00
20	Supplying & erecting 18 gauge M.S. Box powder coated (4"x4") 3 way for mains connection.	2.00	NOS.	85.00	170.00
21	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq. mm. /2 to 4 core 10 sq. mm. for XLPE armoured cable as per specification No. CB-GL	4.00	NOS.	60.00	240.00
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core PVC flexible	2.00	NOS.	1575.00	3150.00
23	Point wiring for independent plug in 20 mm ISI marked HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	4.00	NOS.	496.00	1984.00
24	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6 m in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG-BKT/BPC	2.00	NOS.	466.00	932.00
25	Supplying & erecting mains with 2 x 2.5 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing-caping 20 mm on wall / ceiling.	6.00	RMT	135.00	810.00
26	Supplying & erecting main with 2 x 4.00 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing-caping on wall / ceiling.	6.00	RMT	155.00	930.00
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.	1.00	NOS.	177.00	177.00
28	Supplying and erecting double pole metal clad switch with HC type fuse and neutral link 240V, 32A on iron / GI frame as per specification no. SW-SWR/MDP..	2.00	NOS.	785.00	1570.00

29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	1.00	NOS.	125.00	125.00
30	Supplying and erecting T8 Fluorescent tube day light 1200 mm 36 W	4.00	NOS.	45.00	180.00
31	Supplying & erecting ready to use Retrofit 1.00 T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	2.00	NOS.	635.00	1270.00
32	Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF	2.00	SQM	1895.00	3790.00
33	Supplying and fixing wiremesh (Jali) cover suitable for fitting / fan or for any purpose, complete with necessary materials. The jali cover shall be made from good quality G.I. wire mesh	6.00	NOS.	450.00	2700.00
34	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden block/sunmica block of suitable size	2.00	NOS.	135.00	270.00
35	Supplying and erecting street light Wall bracket made from 25 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	5.00	NOS.	575.00	2875.00
36	Supplying & erecting CRCA sheet metal one wayenclosures suitable for DP MCB/TP MCB /FP MCB erected on angle iron/GI frame complete.	2.00	NOS.	365.00	730.00
37	Supplying, erecting and marking four pole isolators only switch version of miniature circuit breakers of 40 A in provided distribution board complete.	2.00	NOS.	625.00	1250.00
		TOTAL			100629.00
(RS. One Lack Six Hundred Twenty Nine Only)					

S.W V ROYALTY CHARGES										
Quantity of Material for Royalty Cu. M										
Sr. No	Description of item	Ext. Quantity	Cement in bags		SAND	METAL		MURUM		RUBBLE
	Sub Work II Internal Road									
1	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids.	191.13				1.32	252.29			
2	Supplying 80 mm trap stone metal at the road side including conveying & stacking etc.	164.04				1.32	216.53			
3	Supplying 40 mm trap stone metal at the road side including conveying & stacking etc.	109.69				1.32	144.79			
4	Supplying hard murum/kankar at the road site, including conveying and stacking.	70.63						1.2	84.76	
5	Providing uncoursed rubble masonry of trap/ granite / quartzite / gneiss stones in cement	8.29	1.70	14.09	0.00					1.16 9.62
6	Supplying & spreading Hard murum for cushioning of RCC pipe including watering.	13.50						1.2	16.2	
7	Providing earth work in embankment with approved materials obtained from other sources.	581.31						1.2	697.6	
	TOTAL			14.09			613.61	798.53		9.62

Royalty Charges Recovery Statements							
SR NO	particular	Required Qty. in Cum	Royalty	Surcharge	Distt. Mineral Royalty Surcharge Foundation Cess	Total Rate	Amount
1	Sand	0.00	211.95	4.24	10%	237.38	0
2	METAL hand broken	613.61	211.95	4.24		216.19	132656.35
3	Murum	798.53	211.95	4.24		216.19	172634.2
4	Rubble	9.62	211.95	4.24		216.19	2079.7478
			TOTAL AMOUNT				307370.29
			SAY				307370.29

(Rs. Three Lack Seven Thousand Three Hundred Seventy only)

Material Lab Testing charges

ESTIMATE FOR CONSTRUCTION OF 1080 MT CAPACITY PRE ENGINEERED WH BLDG WITH ANCILLARY WORKS

Statement showing the details of requirement of Lab, Tests to be carried out:-

SR.NO	Particulars	QUANTITY	UNIT	TESTS TO Carried Out	Nos of tests	Rate per test	Amount	Remark
1	Cement	1700.00	Bags	Cement- Fineness, Standard Consistency, Setting Time (Initial & Final), Compressive strength, Soundness	1.00	7540	7540	one tear per 1000 Bags
2	Concrete M-10 grade	31.00	cum	M10- Concrete cube compressive strength (Set of 3 Cubes)	3.00	1380	4140	1 test for 15 cum
3	Concrete M-25 grade	113.00	cum	Mix Design M-25 with all tests on basic materials	1.00	27510	27510	One per 500 cum of concrete
				M 25-Concrete cube compressive strength (Set of 3 Cubes)	12.00	1380	16560	1 test for 15 cum
5	Crushed metal for concrete	133.00	cum	Metal-Water absorption, Specific gravity, Impact value, Crushing value	1.00	5200	5200	one test per 200 cum
				Metal- Gradation	1.00	1380	1380	one test per 200 cum
				Metal-Combined Flakiness & Elongation of single metal	1.00	1700	1700	one test per 200 cum
6	Brick	144.00		Bricks-Crushing value, Water absorption, Specific Gravity	1.00	4350	4350	one test per 50000 Nos, of bricks or part.
7	masonry	23.00		Stone-Crushing value/Compressive strength, water absorption & Specific Gravity	1.00	4040	4040	one test per source
8	tmt steel bar	13.30	M.T	Steel - Tensile strength, Yield stress, ultima tensile stress, %elongation, weight per running meter, Bend/Rebend test. (Set of 3 Bars)	3.00	2550	7650	
9	sand	0.00	CUM	Sand- Fineness Modulus, silt & clay content.	1.00	2760	2760	one test per source
10	murum in plinth	626.00	CUM	Murum - Plasticity Index	2.00	2340	4680	1 test per 1000 Cum
				Murum- Field Density of compacted layer	2.00	2230	4460	1 test per 250 Sq.m
				Murum-Proctor Test	2.00	3720	7440	1 test per 1000 Cum
11	EARTHWORK for embankment (h.m/s.M)	584.00	CUM	Earthwork- Gradation	5.00	1380	6900	1 test per 400 Cum.
				Earthwork-Plasticity Index	5.00	2340	11700	1 test per 400 Cum.
				Earthwork- Moisture content prior to compaction	5.00	1590	7950	1 test per 400 Cum.
				Earthwork- Density of compacted layer	2.00	2230	4460	1 test per 1000 sqm
				Earthwork- Proctor Test	2.00	3720	7440	2 test per 3000 Cum
12	Metal for road/ filling metal in plinth	471.00	CUM	Road-Basic test on aggregates Water absorption, specific gravity, impact value/ crushing value	3.00	1380	4140	1 test per 200 Cum
				Road-Gradation	3.00	1380	4140	1 test per 200 Cum
				Road-Combined Flakiness & Elongation	3.00	1700	5100	
				Road-Strpping Value for Bituminous Work	2.00	1490	2980	1 test per 400 Cum
TOTAL							154220	
(Rs. One Lack Fifty Four Thousand Two Hundred Twenty Rupees only)								