

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	726 /194	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 & 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 1.5 m.) By Mechanical Means				
			UNDER GROUND	98.28	CUM	217.35	21361.16
2	BDA10/21.36	727 /194	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 1.50 m to 3.0 m) By Mechanical Means				
			GROUND FLOOR	98.28	CUM	329.70	32402.92
3	BDA10/21.36	726 /194	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .				
			GROUND FLOOR	13.10	CUM	1526.70	20005.88
4	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	60.44	CUM	126.00	7615.26
5	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	85.30	CUM	834.75	71206.18
BD-E : PLAIN CEMENT CONCRETE							
6	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	9.83	CUM	6676.95	65621.06
BD -F : REINFORCED CEMENT CONCRETE							
7	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	7.34	CUM	7104.00	52171.78

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
8	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	18.50	CUM	14472.15	267662.41
9	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)				
			GROUND FLOOR	17.22	CUM	12882.45	221866.71
10	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	0.90	CUM	14682.15	13183.40
11	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	4.19	CUM	7549.50	31629.99
12	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, 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	7.98	MT	94188.15	751747.42

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
BD -G : BRICK WORK							
13	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	13.66	CUM	8142.75	111246.25
14	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	55.56	CUM	8393.70	466343.90
BD -L : PLASTERING & POINTING							
15	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	241.56	SQ.MT	284.55	68735.90
16	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	241.56	SQ.MT	670.95	162074.68
BDM 1:- PAVING FLOORING AND DADO							
17	BDM-1	1023/270	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete				
			GROUND FLOOR	370.88	SQ.MT	1537.20	570116.74
BD -P: COLOUR/WHITE WASHING, DESTEMPERING							
18	BDP 1A	1103/ 284	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by				
			GROUND FLOOR	241.56	SQ.MT	12.60	3043.66
19	BDP 5A	1111/284	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces.				
			GROUND FLOOR	241.56	SQ.MT	50.40	12174.62
20	BDW	1090 /281	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary,				
			GROUND FLOOR	241.56	SQ.MT	101.85	24602.89
21	BDW	742 /197	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area				
			GROUND FLOOR	370.88	SQ.MT	112.35	41668.37
BD -U: IRON WORK							
22	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	8.95	SQ.MT	2201.85	19697.75
BD -C : STRUCTURAL STEEL WORK							

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
23	BDC/23.07	827/219	Supplying, fabricating, erecting and fixing in position of steel structures at all elevations using fusion welding quality steel E-350 (Fe490) conforming to IS:2062 - 2006. Rate shall include cost of cutting, welding, splice plates and packing plates, transporting, straightening, cleaning, fabricating and erecting in position welded/bolted Structural steelwork in columns, beams, trusses, purlins, platforms, ladders, monorails, staircases ,supports, strengthening of steel members etc. at site to line and level, supply of approved bolts/nuts/washers etc. complete as per drawings including painting as per G4/G5/G6 before erection and all materials and labour charges etc., complete and including Sand blasting & painted with 1 coats of enamel paint (Berger EPILUX SG – HHI 664002) of 35-50 micron each coat with air less spray gun over a coat of zinc chromate primer - 35-50 micron etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager. (The rate quoted shall include cost of bolts, nuts, washers, welding and electrodes required for the complete work).				
			GROUND FLOOR	10.66	MT	120572.55	1285188.44
24	BDR5/38.04	1150/286	Supply & Fixing of PPGI sheets of 0.5 mm thick as shown in drawing or as directed by engineer incharge with all necessary accessories.				
			GROUND FLOOR	898.68	SQMT	1195.95	1074776.35
25	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)				
			GROUND FLOOR	35.20	SQMT	5070.45	178479.84
26	As directed by Engineer in charge	1563/399	Supplying, fabricating and erecting in position PPGI Eaves Gutter of required size with stop ends,all fixing accessories, drop ends, etc., at all elevations levels & heights including aligning, leveling, providing and fixing bolts, nuts, washers etc., conforming to latest specification including straightening, cutting, welding, bending to shape, bolting etc., complete and as directed as per engineer incharge / Construction Manager.				
			GROUND FLOOR	50.80	RMT	525.00	26670.00
27	As directed by Engineer in charge	1563/399	Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rain water down take pipes provided shall be generally at the rate of 1 square cm per 70 to 80 square decimetre of roof area drained. No spout shall be less than 80 mm in diameter. The spacing of spouts shall be arranged to suit the position of openings in the wall including necessary accessories for fixing the pipe and including all materials and labour charges etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager.				
			GROUND FLOOR	80.00	RMT	315.00	25200.00
28	IRC 67 2015	307/89	Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.				
			GROUND FLOOR	17.28	SQ.MT	2616.60	45214.85

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details	QTY	UNIT	UNIT RATE	AMOUNT
29	IRC 67 2015	307/89	Supply & Fixing of turbo ventilator with 610 mm throat, having base ring & top plate in stainless steel of 0.8 mm thick, rotated using twin bearings of SKF - 600122 & 600322 permanently lubricated & sealed. Fixed in FRP base plate of 2mm thk clear 1.020 mtr wide & 1.7 mtr long.				
			GROUND FLOOR	6.00	NO	2520.00	15120.00
30	As directed by Engineer in charge	1563/399	Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social, Health and Safety (ESHS) risks and ESHS Code of Conduct				
			GROUND FLOOR	1.00	NO	42000.00	42000.00
TOTAL AMOUNT FOR ARCHITECTURAL WORK							5728828.39

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	726 /194	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 & 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 1.5 m.) By Mechanical Means						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	BUILDING WORK	20.00	1.50	1.80	1.50	81.00	CUM
				8.00	1.20	1.20	1.50	17.28	CUM
			TOTAL					98.28	CUM
2	BDA1/21.01	727 /194	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 1.50 m to 3.0 m) By Mechanical Means						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	BUILDING WORK	20.00	1.50	1.80	1.50	81.00	CUM
				8.00	1.20	1.20	1.50	17.28	CUM
			TOTAL					98.28	CUM
3	BDA1/21.01	725/ 189	Providing soiling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	BUILDING WORK	20.00	1.50	1.80	0.20	10.80	CUM
				8.00	1.20	1.20	0.20	2.30	CUM
			TOTAL					13.10	CUM
4	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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	BUILDING WORK	20.00	1.50	1.80	0.15	8.10	CUM
		2	Below Floor	1.00	24.40	15.20	0.14	52.34	CUM
			TOTAL QTY FOR MURUM FILLING					60.44	CUM
5	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	24.40	15.20	0.23	85.30	CUM
			TOTAL QTY FOR MURUM FILLING					85.30	CUM
BD-E : PLAIN CEMENT CONCRETE									

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details							
6	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	1.50	1.80	0.15	8.10	CUM	
				8.00	1.20	1.20	0.15	1.73	CUM	
			TOTAL QTY FOR PCC						9.83	CUM
BD -F : REINFORCED CEMENT CONCRETE										
7	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	0.90	1.20	0.30	6.48	CUM	
				8.00	0.60	0.60	0.30	0.86	CUM	
			TOTAL						7.34	CUM
8	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	0.30	0.45	3.00	8.10	CUM	
		2	Building Work	20.00	0.30	0.45	3.05	8.24	CUM	
		2	UPTO PLINTH	8.00	0.30	0.30	3.00	2.16	CUM	
			TOTAL QUANTITY OF COLUMNS						18.50	CUM
9	BDF6/ 25.50	c	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	2.00	24.40	0.23	0.30	3.37	CUM	
				8.00	15.20	0.23	0.30	8.39	CUM	
			Top Level	2.00	24.40	0.23	0.30	3.37	CUM	
				2.00	15.20	0.23	0.30	2.10	CUM	
			Total Qty For Ground Floor						17.22	CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY FOR PLINTH BEAMS AND COPING					17.22	CUM
10	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)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Window/Door	8.00	2.44	0.46	0.10	0.90	CUM
			Total Qty For Ground Floor					0.90	CUM
			TOTAL QUANTITY OF chajja					0.90	CUM
11	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	24.40	0.23	0.23	2.58	CUM
			short Wall	2.00	15.20	0.23	0.23	1.61	CUM
			Total Qty For Ground Floor					4.19	CUM
			TOTAL QUANTITY OF Coping					4.19	CUM
12	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, 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
		1	Building Work	1.00	370.88	10.76	3990.67	7981.34	
			TOTAL QUANTITY OF STEEL					7.98	MT
BD -G : BRICK WORK									
13	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	24.40	0.23	0.75	8.42	CUM
			short Wall	2.00	15.20	0.23	0.75	5.24	CUM
			Total					13.66	CUM
			TOTAL QUANTITY OF BRICK WORK					13.66	CUM
14	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	24.40	0.23	3.05	34.23	CUM
			short Wall	2.00	15.20	0.23	3.05	21.33	CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			Total					55.56	CUM
			Total Qty For Ground Floor					55.56	CUM
			TOTAL QUANTITY OF BRICK WORK					55.56	CUM
BD -L: PLASTERING AND POINTING									
15	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	24.40		3.05	148.84	SQ.MT
				2.00	15.20		3.05	92.72	SQ.MT
			Total					241.56	SQ.MT
			Total Qty For Ground Floor					241.56	SQ.MT
			TOTAL QUANTITY OF INTERNAL PLASTER					241.56	SQ.MT
16	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	24.40		3.05	148.84	SQ.MT
				2.00	15.20		3.05	92.72	SQ.MT
			Total					241.56	SQ.MT
			Total Qty For Ground Floor					241.56	SQ.MT
			TOTAL QUANTITY OF EXTERNAL PLASTER					241.56	SQ.MT
BDM 1:- PAVING FLOORING AND DADO									
17	BDM-1	1023/270	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			M30 FLOORING	1.00	24.40	15.20		370.88	SQ.MT
			TOTAL QUANTITY OF M30 FLOORING					370.88	SQ.MT
BD -P: COLOUR/WHITE WASHING, DESTEMPERING									
18	BDP 1A	1103/ 284	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			TOTAL QUANTITY OF INTERNAL PLASTER					241.56	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					241.56	SQ.MT
19	BDP 5A	1111/284	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			TOTAL QUANTITY OF INTERNAL PLASTER					241.56	SQ.MT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY OF CEMENT PAINT					241.56	SQ.MT
20	BDW	1090 /281	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			TOTAL QUANTITY OF EXTERNAL PLASTER					241.56	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					241.56	SQ.MT
21 9	BDW	742 /197	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Antitermite	1.00	24.40	15.20		370.88	SQ.MT
			TOTAL QUANTITY OF TREATMENT					370.88	SQ.MT
BD -U: IRON WORK									
22	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	7.00	2.13		0.60	8.95	SQ.MT
			Total Qty For Ground Floor					8.95	SQ.MT
			TOTAL QUANTITY OF M.S GRILL					8.95	SQ.MT
BD -C : STRUCTURAL STEEL WORK									
23	BDC/23.07	827/219	Supplying, fabricating, erecting and fixing in position of steel structures at all elevations using fusion welding quality steel E-350 (Fe490) conforming to IS:2062 - 2006. Rate shall include cost of cutting, welding, splice plates and packing plates, transporting, straightening, cleaning, fabricating and erecting in position welded/bolted Structural steelwork in columns, beams, trusses, purlins, platforms, ladders, monorails, staircases ,supports, strengthening of steel members etc. at site to line and level, supply of approved bolts/nuts/washers etc. complete as per drawings including painting as per G4/G5/G6 before erection and all materials and labour charges etc., complete and including Sand blasting & painted with 1 coats of enamel paint (Berger EPILUX SG – HHI 664002) of 35-50 micron each coat with air less spray gun over a coat of zinc chromate primer - 35-50 micron etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager. (The rate quoted shall include cost of bolts, nuts, washers, welding and electrodes required for the complete work).						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	1.00	24.40	15.20	370.88	3992.15	SQMT
								10659.05	
			TOTAL QUANTITY OF STEEL					10.66	MT
24	BDR5/38.04	1150/286	Supply & Fixing of PPGI sheets of 0.5 mm thick as shown in drawing or as directed by engineer incharge with all necessary accessories.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Building Work	1.00	25.40	16.20		411.48	SQMT
				2.00	25.40	6.00		304.80	SQMT
				2.00	15.20	6.00		182.40	SQMT
			TOTAL QUANTITY OF SHEET					898.68	SQMT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
25	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	4.00	3.20	2.75		35.20	SQMT
			TOTAL QUANTITY OF SHEET					35.20	SQMT
26	As directed by Engineer in charge		Supplying, fabricating and erecting in position PPGI Eaves Gutter of required size with stop ends, all fixing accessories, drop ends, etc., at all elevations levels & heights including aligning, leveling, providing and fixing bolts, nuts, washers etc., conforming to latest specification including straightening, cutting, welding, bending to shape, bolting etc., complete and as directed as per engineer incharge / Construction Manager.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Eaves Gutter	2.00	25.40	1.00		50.80	RMT
			TOTAL QUANTITY					50.80	RMT
27	As directed by Engineer in charge		Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rain water down take pipes provided shall be generally at the rate of 1 square cm per 70 to 80 square decimetre of roof area drained. No spout shall be less than 80 mm in diameter. The spacing of spouts shall be arranged to suit the position of openings in the wall including necessary accessories for fixing the pipe and including all materials and labour charges etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	DOWN TAKE PIPE	8.00	10.00	1.00		80.00	RMT
			TOTAL QUANTITY					80.00	RMT
28	As directed by Engineer in charge	1563/399	Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Polycarbonate Sheet	6.00	1.20	2.40		17.28	SQ.MT
			TOTAL QUANTITY					17.28	SQ.MT
29	As directed by Engineer in charge	1563/399	Supply & Fixing of turbo ventilator with 610 mm throat, having base ring & top plate in stainless steel of 0.8 mm thick, rotated using twin bearings of SKF - 600122 & 600322 permanently lubricated & sealed. Fixed in FRP base plate of 2mm thk clear 1.020 mtr wide & 1.7 mtr long.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Turbo Ventilator	6.00				6.00	NO
			TOTAL QUANTITY					6.00	NO
30	As directed by Engineer in charge	1563/399	Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social, Health and Safety (ESHS) risks and ESHS Code of Conduct						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	Safety (ESHS)	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	BDA1/21.0 1	726 /194	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 & 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 1.5 m.) By Mechanical Means			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		207.00	
			Carporation area	5.0%	10.35	
			Ground Floor		217.35	
						217.35
						Rs./ CUM
2	BDA1/21.0 1	727 /194	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 1.50 m to 3.0 m) By Mechanical Means			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		314.00	
			Carporation area	5.0%	15.70	
			Ground Floor		329.70	
						329.70
						Rs./ CUM
3	BDA1/21.0 1	759/ 199	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .			
			Details	%	Amount	Total
			Basic Rates for 2022-2023		1454.00	
			Carporation area	5.0%	72.70	
			Ground Floor		1526.70	
						1526.70
						Rs./ CUM
4	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
5	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
BD-E : PLAIN CEMENT CONCRETE						

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				
6	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		
			Carporation area	5.0%	317.95		
			Ground Floor		6676.95		
						6676.95	Rs./ CUM
BD -F : REINFORCED CEMENT CONCRETE							
7	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 raff, 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		
			Carporation area	5.0%	355.20		
			Ground Floor		7459.20		
						7459.20	Rs./ CUM
8	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		
			Carporation area	5.0%	689.15		
			Ground Floor		14472.15		
						14472.15	Rs./ CUM
9	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)				
			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

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				
10	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		
			Corporation area	5.0%	699.15		
			Ground Floor		14682.15		
						14682.15	Rs./ CUM
11	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)				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		7190.00		
			Corporation area	5.0%	359.50		
			Ground Floor		7549.50		
						7549.50	Rs./ CUM
12	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, parapets, 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		
			Corporation area	5.0%	4485.15		
			Ground Floor		94188.15		
						94188.15	Rs./M.T.
BD -G : BRICK WORK							
13	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		
			Corporation area	5.0%	387.75		
			Ground Floor		8142.75		
						8142.75	Rs./ CUM
14	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							

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				
15	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		
			Carporation area	5.0%	13.55		
			Ground Floor		284.55		
						284.55	Rs./ SQMT
16	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		
			Carporation area	5.0%	31.95		
			Ground Floor		670.95		
						670.95	Rs./ SQMT
BDM 1:- PAVING FLOORING AND DADO							
17	BDM-1	1023/270	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		1464.00		
			Carporation area	5.0%	73.20		
			Ground Floor		1537.20		
						1537.20	Rs./ SQMT
BD -P: COLOUR/WHITE WASHING, DESTEMPERING							
18	BDP6A/36.14	1114/280	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		12.00		
			Carporation area	5.0%	0.60		
			Ground Floor		12.60		
						12.60	Rs./ SQMT
19	BDP6A/36.14	1114/280	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		48.00		
			Carporation area	5.0%	2.40		
			Ground Floor		50.40		
						50.40	Rs./ SQMT
20	BDP6A/36.14	1114/280	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		97.00		
			Carporation area	5.0%	4.85		
			Ground Floor		101.85		
						101.85	Rs./ SQMT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details			
21	BDW	742 /197	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		107.00	
			Carporation area	5.0%	5.35	
			Ground Floor		112.35	
						112.35 Rs./ SQMT
BD -U: IRON WORK						
22	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	
			Carporation area	5.0%	104.85	
			Ground Floor		2201.85	
						2201.85 Rs./ SQMT
BD -C : STRUCTURAL STEEL WORK						
23	BDC/23.07	827/219	Supplying, fabricating, erecting and fixing in position of steel structures at all elevations using fusion welding quality steel E-350 (Fe490) conforming to IS:2062 - 2006. Rate shall include cost of cutting, welding, splice plates and packing plates, transporting, straightening, cleaning, fabricating and erecting in position welded/bolted Structural steelwork in columns, beams, trusses, purlins, platforms, ladders, monorails, staircases ,supports, strengthening of steel members etc. at site to line and level, supply of approved bolts/nuts/washers etc. complete as per drawings including painting as per G4/G5/G6 before erection and all materials and labour charges etc., complete and including Sand blasting & painted with 1 coats of enamel paint (Berger EPILUX SG – HHI 664002) of 35-50 micron each coat with air less spray gun over a coat of zinc chromate primer - 35-50 micron etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager. (The rate quoted shall include cost of bolts, nuts, washers, welding and electrodes required for the complete work).			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		114831.00	
			Carporation area	5.0%	5741.55	
			Ground Floor		120572.55	
						120572.55 Rs./M.T.
24	BDR5/38.05	1150/286	Supply & Fixing of PPGI sheets of 0.5 mm thick as shown in drawing or as directed by engineer incharge with all necessary accessories.			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		1139.00	
			Carporation area	5.0%	56.95	
			Ground Floor		1195.95	
						1195.95 Rs./SQ.FT
25	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

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				
			Basic Rates for 2022-2023		4829.00		
			Carporation area	5.0%	241.45		
			Ground Floor		5070.45		
						5070.45	Rs./SQ.FT
26	As directed by Engineer in charge	1563/399	Supplying, fabricating and erecting in position PPGI Eaves Gutter of required size with stop ends,all fixing accessories, drop ends, etc., at all elevations levels & heights including aligning, leveling, providing and fixing bolts, nuts, washers etc., conforming to latest specification including straightening, cutting, welding, bending to shape, bolting etc., complete and as directed as per engineer incharge / Construction Manager.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		500.00		
			Carporation area	5.0%	25.00		
			Ground Floor		525.00		
						525.00	Rs./SQ.FT
27	As directed by Engineer in charge	1563/399	Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rain water down take pipes provided shall be generally at the rate of 1 square cm per 70 to 80 square decimetre of roof area drained. No spout shall be less than 80 mm in diameter. The spacing of spouts shall be arranged to suit the position of openings in the wall including necessary accessories for fixing the pipe and including all materials and labour charges etc., complete as shown in drawings, as per specifications and as directed by the Engineer-in-Charge / Construction Manager.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		300.00		
			Carporation area	5.0%	15.00		
			Ground Floor		315.00		
						315.00	Rs./SQ.FT
28	As directed by Engineer in charge	1563/399	Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		2492.00		
			Carporation area	5.0%	124.60		
			Ground Floor		2616.60		
						2616.60	Rs./SQ.FT
29	As directed by Engineer in charge	1563/399	Supply & Fixing of turbo ventilator with 610 mm throat, having base ring & top plate in stainless steel of 0.8 mm thick, rotated using twin bearings of SKF - 600122 & 600322 permanently lubricated & sealed. Fixed in FRP base plate of 2mm thk clear 1.020 mtr wide & 1.7 mtr long.				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		2400.00		
			Carporation area	5.0%	120.00		
			Ground Floor		2520.00		
						2520.00	RS./NOS
30	As directed by Engineer in	1563/399	Management Strategies and Implementation Plan (MSIP) to manage the Environmental, Social,Health and Safety (ESHS) risks and ESHS Code of Conduct				
			Details	%	Amount	Total	Unit
			Basic Rates for 2022-2023		40000.00		
			Carporation area	5.0%	2000.00		
			Ground Floor		42000.00		
						42000.00	Rs./SQ.FT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details				

**PROPOSED ESTIMATE OF CONSTRUCTION RICE MILL AND GRADING MACHINE PROCESSING SHED UNDER HON. BALASAHEB THAKRE
AGRIBUSINESS AND RURAL TRANSFORMATION (SMART) PROJECT BELONGING TO VIDHARBHA BADIRAJA PRODUCER COMPANY LIMITED
ON GAT NO127/2,116, TEH SAKOLI DIST BHANDARA**

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	15.00	RMT	290.00	4350.00
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	15.00	RMT	205.00	3075.00
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	10.00	RMT	175.00	1750.00
4	Supplying & erecting mains PVC unarmoured cable 1100 Volt grade ISI mark 3 core 6	130.00	RMT	135.00	17550.00
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.	8.00	NOS.	1310.00	10480.00
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.	8.00	NOS.	1225.00	9800.00
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	1.00	NOS.	230.00	230.00
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	1.00	NOS.	2015.00	2015.00
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	1.00	NOS.	715.00	715.00
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	1.00	RMT	198.00	198.00
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	12.00	RMT	305.00	3660.00
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.	25.00	RMT	3.00	75.00
20	Supplying & erecting 18 gauge M.S. Box powder coated (4"x4") 3 way for mains connection.	8.00	NOS.	85.00	680.00
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	6.00	NOS.	60.00	360.00
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core PVC flexible	6.00	NOS.	1575.00	9450.00
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	6.00	NOS.	496.00	2976.00
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	8.00	NOS.	466.00	3728.00
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.	8.00	RMT	135.00	1080.00
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.	8.00	RMT	155.00	1240.00
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.	10.00	NOS.	177.00	1770.00
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..	8.00	NOS.	785.00	6280.00

29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	8.00	NOS.	125.00	1000.00
30	Supplying and erecting T8 Fluorescent tube day light 1200 mm 36 W	6.00	NOS.	45.00	270.00
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.	8.00	NOS.	635.00	5080.00
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	10.00	SQM	1895.00	18950.00
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	8.00	NOS.	450.00	3600.00
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	6.00	NOS.	135.00	810.00
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	6.00	NOS.	575.00	3450.00
36	Supplying & erecting CRCA sheet metal one wayenclosures suitable for DP MCB/TP MCB /FP MCB erected on angle iron/GI frame complete.	1.00	NOS.	365.00	365.00
37	Supplying, erecting and marking four pole isolators only switch version of miniature circuit breakers of 40 A in provided distribution board complete.	1.00	NOS.	625.00	625.00
		TOTAL			130422.00
(RS.One Lack Thirty Thousand Four Hundred Twenty Two 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.	150.00				1.32	25			
2	Supplying 80 mm trap stone metal at the road side including conveying & stacking etc.	100.00				1.32	35			
3	Supplying 40 mm trap stone metal at the road side including conveying & stacking etc.	80.00				1.32	50			
4	Supplying hard murum/kankar at the road site, including conveying and stacking.	75.00						1.2	35	
5	Providing uncoursed rubble masonry of trap/ granite / quartzite / gneiss stones in cement	8.29	1.70	7.00	0.00				1.16	2
6	Supplying & spreading Hard murum for cushioning of RCC pipe including watering.	41.00						1.2	40	
7	Providing earth work in embankment with approved materials obtained from other sources.	300.00						1.2	45	
TOTAL			7.00				110	120	2	

Royalty Charges Recovery Statements							
SR NO	particular	Required Qty. in Cum	Royalty	Surcharge	Distt. Mineral Royalty Surcharge Foundation Cess	Total Rate	Amount
1	Sand	83.00	211.95	4.24	10%	237.38	19702.54
2	METAL hand broken	110.00	211.95	4.24		216.19	23780.9
3	Murum	119.00	211.95	4.24		216.19	25726.61
4	Rubble	2.00	211.95	4.24		216.19	432.38
			TOTAL AMOUNT				69642.43
			SAY				69642.43

(Rs. Sixty Nine thousands Six Hundred Fourty Two Rupees only)

Material Lab Testing charges

ESTIMATE FOR CONSTRUCTION OF RICE MILL AND GRADING MACHINE SHED PRE ENGINEERED PROCESSING

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	600.00	Bags	Cement- Fineness, Standard Consistency, Setting Time (Initial & Final), Compressive strength, Soundness	1.00	7540	7540	one tear per 1000 Bags
2	Concrete M-20 grade	12.00	cum	M10- Concrete cube compressive strength (Set of 3 Cubes)	2.00	1380	2760	1 test for 15 cum
3	Crushed metal for concrete	50.00	cum	Metal-Water absorption, Specific gravity, Impact value, Crushing value	2.00	5200	10400	one test per 200 cum
				Metal- Gradation	4.00	1380	5520	one test per 200 cum
				Metal-Combined Flakiness & Elongation of single metal	1.00	1700	1700	one test per 200 cum
4	Brick			Bricks-Crushing value, Water absorption, Specific Gravity	2.00	4350	8700	one test per 50000 Nos, of bricks or part.
5	masonry			Stone-Crushing value/Compressive strength, water absorption & Specific Gravity	2.00	4040	8080	one test per source
6	tmt steel bar	13.30	M.T	Steel - Tensile strength, Yield stress, ultimate tensile stress, %elongation, weight per running meter, Bend/Rebend test. (Set of 3 Bars)	1.00	2550	2550	
	sand	0.00	CUM	Sand- Fineness Modulus, silt & clay content.	3.00	2760	8280	one test per source
	murum in plinth	626.00	CUM	Murum - Plasticity Index	3.00	2340	7020	1 test per 1000 Cum
				Murum- Field Density of compacted layer	1.00	2230	2230	1 test per 250 Sq.m
				Murum-Proctor Test	1.00	3720	3720	1 test per 1000 Cum
TOTAL							68500	
(Rs. Sixty Eight thousands Five Hundred Rupees only)								