

RECAPULATION SHEET		
ESTIMATE FOR CONSTRUCTION OF RAW MATERIAL GODOWN SHED PRE ENGINEERED PROCESSING		
BLDG WITH ANCILLARY WORKS		
Based on PWD SSR 2022-23		
SR NO	Particulars	Amount
1	Processing unit	2276233.22
2	Electrification	111497.00
3	Royalty charges	29927.30
4	Lab testing charges	40570.00
5	Total	2458227.52
6	Add 3 % Contingencies	73746.83
7	Add 12 % GST	294987.30
8	Add 0.05% Labour Insurance	1229.11
9		2828190.77
10	Total Cost Of The Project	2828190.77
(Rs Twenty Eight lacs Twenty Eight Thousand One Hundred Ninty Rupees only)		


 Ar. Atul Sandel
ARS Architects
 Reg.No. CA/2009/44919

**PROPOSED ESTIMATE OF CONSTRUCTION RAW MATERIAL GODOWN
SHED UNDER HON. BALASAHEB THAKRE AGRIBUSINESS AND RURAL
TRANSFORMATION (SMART) PROJECT BELONGING TO KRANTISURYA
AGRO FARMER COMPANY LIMITED MANDESAR ON MOUZA KHUTSAWRI
,ZONE NO 04 ,T SA NO 20 , TEH MOHADI DIST BHANDARA**

RAW MATERIAL GODOWN SHED (GROUND FLOOR)

General Abstract (Summary)

Sr. No.	Details	Currency	Amount	
1	Building Work	Rs.	2,276,233.22	
	TOTAL	Rs.	2,276,233.22	
2	Total Cost Of The Project	Rs.	2,276,233.22	
	Approx	Rs.	2,276,233.22	
Amount In Words: Twenty Two Lack Seventy Six Thousand Two Hundred Thirty Three Rupees Only				
	RATE PER SQMT	Rs.	11,760.44	SQ.MT
	G FLOOR AREA	Rs.	193.55	SQ.MT
	RATE/ SQFT	Rs.	1092.57	SQ.FT

Atul Sandel

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Reg.No. CA/2002/44012

Abstract Sheet



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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	43.56	CUM	217.35	9467.77
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	15.48	CUM	329.70	5103.76
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	3.10	CUM	1526.70	4726.66
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	21.88	CUM	126.00	2756.27
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	19.36	CUM	834.75	16156.72
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				
			GROUND FLOOR	2.22	CUM	6676.95	14822.83
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	1.66	CUM	7104.00	11764.22

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	6.77	CUM	14472.15	98026.00
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				
			GROUND FLOOR	7.65	CUM	12882.45	98533.94
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	4.49	CUM	14682.15	65916.98
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				
			GROUND FLOOR	1.38	CUM	7549.50	10390.53
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	2.27	MT	94188.15	213810.10

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	8.26	CUM	8142.75	67242.18
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	41.98	CUM	8393.70	352348.72
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	182.51	SQ.MT	284.55	51933.79
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	182.51	SQ.MT	670.95	122456.43
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	96.78	SQ.MT	1537.20	148763.76
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	182.51	SQ.MT	12.60	2299.65
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	182.51	SQ.MT	50.40	9198.60
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	182.51	SQ.MT	101.85	18588.85
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				
			GROUND FLOOR	193.55	SQ.MT	112.35	21745.52
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	10.22	SQ.MT	2201.85	22511.71
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 of 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 EPI LUX 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	2.08	MT	120572.55	251199.58
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	403.99	SQMT	1195.95	483153.75
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	17.11	SQMT	5070.45	86730.05
26	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
27	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
28	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	26250.00	26250.00
TOTAL AMOUNT FOR ARCHITECTURAL WORK							2276233.22

ARCHITECTURAL MEASUREMENT SHEET

Asandel

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Reg.No. CA/2002/44912

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	14.00	1.20	1.50	1.50	37.80	CUM
				4.00	1.20	1.20	1.00	5.76	CUM
			TOTAL					43.56	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	14.00	1.20	1.50	0.50	12.60	CUM
				4.00	1.20	1.20	0.50	2.88	CUM
			TOTAL					15.48	CUM
3	BDA1/21.01	725/ 189	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 .						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
		1	BUILDING WORK	14.00	1.20	1.50	0.10	2.52	CUM
				4.00	1.20	1.20	0.10	0.58	CUM
			TOTAL					3.10	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	14.00	1.20	1.50	0.10	2.52	CUM
		2	Below Floor	1.00	20.46	9.46	0.10	19.36	CUM
			TOTAL QTY FOR MURUM FILLING					21.88	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	20.46	9.46	0.10	19.36	CUM
			TOTAL QTY FOR MURUM FILLING					19.36	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 14.00 1.00 1.30 0.10 1.82 CUM
			4.00 1.00 1.00 0.10 0.40 CUM
			TOTAL QTY FOR PCC 2.22 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 fomwork, 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 14.00 0.90 1.20 0.10 1.51 CUM
			4.00 0.60 0.60 0.10 0.14 CUM
			TOTAL 1.66 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 14.00 0.23 0.45 1.50 2.17 CUM
		2	Building Work 14.00 0.23 0.45 3.05 4.42 CUM
		2	UPTO PLINTH 4.00 0.23 0.23 0.85 0.18 CUM
			TOTAL QUANTITY OF COLUMNS 6.77 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, fomwork, 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 20.46 0.23 0.30 2.82 CUM
			2.00 9.46 0.23 0.23 1.00 CUM
			Top Level 2.00 20.46 0.23 0.30 2.82 CUM
			2.00 9.46 0.23 0.23 1.00 CUM
			Total Qty For Ground Floor 7.65 CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY FOR PLINTH BEAMS AND COPING					7.65	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	0.50	4.49	CUM
			Total Qty For Ground Floor					4.49	CUM
			TOTAL QUANTITY OF chajja					4.49	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	20.46	0.23	0.10	0.94	CUM
			short Wall	2.00	9.46	0.23	0.10	0.44	CUM
			Total Qty For Ground Floor					1.38	CUM
			TOTAL QUANTITY OF Coping					1.38	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, parris, 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
		1	Building Work	1.00	193.55	10.76	2082.60	2270.03	
			TOTAL QUANTITY OF STEEL					2.27	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	20.46	0.23	0.60	5.65	CUM
			short Wall	2.00	9.46	0.23	0.60	2.61	CUM
			Total					8.26	CUM
			TOTAL QUANTITY OF BRICK WORK					8.26	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	20.46	0.23	3.05	28.71	CUM

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			short Wall	2.00	9.46	0.23	3.05	13.27	CUM
			Total					41.98	CUM
			Total Qty For Ground Floor					41.98	CUM
			TOTAL QUANTITY OF BRICK WORK					41.98	CUM
BD -L: PLASTERING AND POINTING									
15	BDL2/ 32.03	968/256	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	20.46		3.05	124.81	SQ.MT
				2.00	9.46		3.05	57.71	SQ.MT
			Total					182.51	SQ.MT
			Total Qty For Ground Floor					182.51	SQ.MT
			TOTAL QUANTITY OF INTERNAL PLASTER					182.51	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	20.46		3.05	124.81	SQ.MT
				2.00	9.46		3.05	57.71	SQ.MT
			Total					182.51	SQ.MT
			Total Qty For Ground Floor					182.51	SQ.MT
			TOTAL QUANTITY OF EXTERNAL PLASTER					182.51	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	0.50	20.46	9.46		96.78	SQ.MT
			TOTAL QUANTITY OF M30 FLOORING					96.78	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					182.51	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					182.51	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

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details						
			TOTAL QUANTITY OF INTERNAL PLASTER					182.51	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					182.51	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					182.51	SQ.MT
			TOTAL QUANTITY OF CEMENT PAINT					182.51	SQ.MT
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 chlorophyrisfos per square meter of surface area covering 10 years guarantee on bond paper.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Antitermite	1.00	20.46	9.46		193.55	SQ.MT
			TOTAL QUANTITY OF TREATMENT					193.55	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	8.00	2.13		0.60	10.22	SQ.MT
			Total Qty For Ground Floor					10.22	SQ.MT
			TOTAL QUANTITY OF M.S GRILL					10.22	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	20.46	9.46	193.55	2083.39	
								2083.39	
			TOTAL QUANTITY OF STEEL					2.08	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	21.46	10.46		224.47	SQMT
				2.00	20.46	3.00		122.76	SQMT
				2.00	9.46	3.00		56.76	SQMT

Sr. No.	SR.NO & CODE NO	Public Work Region Nagpur	Description & Details							
			TOTAL QUANTITY OF SHEET					403.99	SQMT	
25	BD155/39.24	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	2.00	3.11	2.75		17.11	SQMT	
			TOTAL QUANTITY OF SHEET					17.11	SQMT	
26	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	
27	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	
28	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



Ar. Atul Sandel
ARS Architects
Reg.No. CA/2007/44912

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 Unit
			Basic Rates for 2022-2023		207.00	
			Corporation 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 Unit
			Basic Rates for 2022-2023		314.00	
			Corporation 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 crushed sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge .			
			Details	%	Amount	Total Unit
			Basic Rates for 2022-2023		1454.00	
			Corporation 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 Unit
			Basic Rates for 2022-2023		120.00	
			Corporation 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 Unit
			Basic Rates for 2022-2023		795.00	
			Corporation 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 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	
			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, 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

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, 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	
			Corporation 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	
			Corporation 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	
			Corporation 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	
			Corporation 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