

**PROPOSED CONSTRUCTION PADDY SEED PROCESSING SHED BUILDING
FOR SUSTAINABLE PADDY FARMING WITH TECHNOLOGY AT MOHADI
KHAPA ,GAT NO 137/1,TAH TUMSAR DIST BHANDARA BELONGING TO**

**TUMSAR FARMERS PRODUCER COMPANY LIMITED SIHORA
PADDY SEED PROCESSING SHED BUILDING**

General Abstract (Summary)

Sr.No.	Details		Currency	Amount	
1	Building Work		Rs	1836034.08	
2	Electric work		Rs	28352	
3	Royalty charges		Rs	20675.07	
4	Lab testing charges		Rs	22930	
	Total Cost Of Project		RS	1907991.15	

MEASUREMENT SHEET FOR INDIVIDUAL ITEM

PADDY SEED

Sr. No.	Sr.No & Code No.	Public Work Region Nagpur	DESCRIPTION & DETAILS						
SW-I-CIVIL WORK									
Excavation (BDA)									
1	BDA1/21.01	718/ 115	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewater ing,preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy	6	2	2	1.5	36	CUM
			TOTAL					36.00	CUM
2	BDA1/21.01	718/ 115	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewater ing,preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy	6	2	2	0.6	14.4	CUM
			TOTAL					14.40	CUM
3	BDA1/21.01	718/ 115	Providing soling using 80 mm. 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
			paddy	6	2	2	0.15	3.6	CUM
			paddy Floor	1	11.74	5.64	0.15	9.93204	CUM
			Canopy	1	4.23	1.8	0.15	1.1421	CUM
			TOTAL					14.67	CUM
4	BDA10/21.36	748/ 117	Filling in plinth and floors with approved excavated material in 15cm. to 20 cm. layers Including watering and compacting etc. complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Below Footing						
			paddy	6	2	2	0.3	7.2	CUM
			Back Filling in coloumn pit						
			Excvation Qty Item 1& 2	1				50.40	CUM
			<i>Deduction Footing Column</i>	-1				-3.792	CUM
			on Floor						
			paddy	1	11.74	5.64	0.3	19.86408	CUM
			TOTAL QTY for MURUM FILLING					73.67	CUM

5	BDA10/21.37	749/ 117	Filling in plinth and floors with contractors material / brought from outside and approved by Engineer In charge in layers of 15 cm to 20 cm including watering and compaction etc. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy	1	11.74	5.64	0.5	33.1068	CUM
			Canopy	1	4.23	1.8	0.5	3.807	CUM
			TOTAL QTY for MURUM FILLING					36.91	CUM

6	As Directed by Engineer	101/24	Providing earth work embankment with approved materials obtained from other sources up to lead of 50m including all lifts laying in layers of 20cm to 30cm thickness breaking clods, dressing to the requirement lines curves grades & sections watering and compaction with vibrator roller with attachment to achieve not less than 97% of standard proctor Density etc complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Land Leveling	0.00	60.00	50.00	0.50	0	CUM
			Road Leveling	0.00	90.00	6.00	0.45	0	CUM
			TOTAL QTY					0.00	CUM

7	As Directed by Engineer	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Land Leveling	0.00	60.00	50.00	0.30	0	CUM
			Road Leveling	0.00	90.00	6.00	0.30	0	CUM
			TOTAL QTY for MURUM FILLING					0.00	CUM

8	As Directed by Engineer	103/24	Supplying soft murum at the roadside including conveying and stacking complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Land Leveling	0.00	60.00	50.00	0.23	0	CUM
			Road Leveling	0.00	90.00	6.00	0.23	0	CUM
			TOTAL QTY for MURUM FILLING					0.00	CUM

9	As Directed by Engineer	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Land Leveling	0.00	60.00	50.00	0.23	0	CUM
			Road Leveling	0.00	90.00	6.00	0.23	0	CUM
			TOTAL QTY					0.00	CUM

10	As Directed by Engineer	108/24	Providing dry rubble stone pitching 23 cm (9") including all material quarry spalls, labour etc. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Land Leveling	0.00	60.00	50.00	0.23	0	CUM
			Road Leveling	0.00	90.00	6.00	0.23	0	CUM
			TOTAL QTY					0.00	CUM

BD-E:PLAIN CEMENT CONCRETE

11	BDE2/24.04	826/131	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 honey combed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honey combed 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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy	6	2	2	0.1	2.4	CUM
			paddy	1	11.74	5.64	0.1	6.62136	CUM
			Canopy	1	4.23	1.8	0.1	0.7614	CUM
			TOTAL Qty For PCC					9.78	CUM

BD-E: REINFORCED CEMENT CONCRETE

12	BDF3/25.11	834/133	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
			paddy	6	1.6	1.6	0.5	7.68	CUM
			TOTAL					7.68	CUM

13	BDF5/25.31	839/134	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
			paddy						
			Upto PL	6	0.6	0.6	1.8	3.888	CUM
			Above PL	12	0.23	0.23	3	1.9044	CUM
			TOTAL Qty of Columns					5.79	CUM

14	BDF6/25.50	844/135	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). withfully 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
			Beam below brickwork						
			paddy	2	12.2	0.23	0.3	1.6836	CUM

				2	6.1	0.23	0.3	0.8418	CUM
			for Canopy Staicase To	1	4.23	0.23	0.3	0.29187	CUM
			Total 1 opening	2	1.8	0.23	0.3	0.2484	CUM
			Beam above brickwork						
			paddy	2	12.2	0.23	0.5	2.806	CUM
				2	6.1	0.23	0.5	1.403	CUM
			Lintel						
			paddy	2	12.2	0.23	0.2	1.1224	CUM
				2	6.1	0.23	0.2	0.5612	CUM
			TOTAL Qty					8.96	CUM

15	BDF9/26.05	854/137	Providing and laying Cast in situ/Ready Mixcement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks,laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Window / Door	5.00	2.75	0.75	0.20	2.0625	CUM
			TOTAL Qty					2.06	CUM

16	BDF12/26.23	860/138	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
			Long Wall	2.00	12.2	0.23	0.30	1.6836	CUM
			Short Wall	2.00	6.1	0.23	0.30	0.8418	CUM
			TOTAL Qty					2.53	CUM

17	BDF12/26.23	860/138	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
			FOR STAIRCASE					1.12	CUM
			TOTAL Qty For Ground Floor					1.12	CUM

18	BDF17/26.33	869/139	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis,copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT

			Building Work	1.00	74.45	10.76	801.08	4005.41	
			TOTAL Qty Of Steel					4.01	MT

BD-G : BRICK WORK

19	BDG1/27.01	887/144	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
			paddy						
			Long Wall	2	12.2	0.23	0.9	5.0508	CUM
			Short Wall	2	6.1	0.23	0.9	2.5254	CUM
			for Canopy Staicase To	1	4.23	0.23	0.9	0.87561	CUM
			Total 1 opening	2	1.8	0.23	0.9	0.7452	CUM
			TOTAL Qty					9.20	CUM

20	BDG5/27.05	890/144	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
			Long Wall	2	12.2	0.23	3.05	17.1166	CUM
			Short Wall	2	6.1	0.23	3.05	8.5583	CUM
			TOTAL Qty OF BRICK WORK					25.67	CUM

BD-L : PLASTER AND POINTING

21	BDG2/32.11	955/153	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
			Internal Plaster	2	11.74		3.05	71.614	SQ.MT
				2	5.64		3.05	34.404	SQ.MT
			TOTAL FOR PLASTER					106.02	SQ.MT

			TOTAL Qty OF INTERNAL PLASTER					106.02	SQ.MT
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22	BDL7/32.11	961/153	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
			External Plaster	2	12.2		4	97.6	SQ.MT
				2	6.1		4	48.8	SQ.MT
			for Canopy Staicase To	1	4.23		1	4.23	CUM

			Total 1 opening	2	1.8		1	3.6	CUM
TOTAL FOR EXTERNAL PLASTER								154.23	SQ.MT

23	BDL7/32.11	961/153	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen etc. complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy	1	12.2	6.1		74.42	
			for Canopy Staicase To	1	4.23	1.8		7.614	
TOTAL Qty								82.03	SQ.MT

BD-P : COLOUR/WASHING, DESTEMPERING

24	BDP6A/36.14	1107/167	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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			paddy						
			Item no 21 &21					260.25	SQ.MT
TOTAL Qty								260.25	SQ.MT

25	BDP6A/36.14	1107/167	Providing and applying wash able 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
			PAINT					106.02	SQ.MT
TOTAL Qty								106.02	SQ.MT

26	BDP6A/36.14	1107/167	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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			PAINT					276.34	SQ.MT
TOTAL Qty								276.34	SQ.MT

27			Providing pre constructional anti termite 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
								105.00	SQ.MT
TOTAL								105.00	SQ.MT

28			Providing and fixing in position factory made box type steel window with glazed fanlight including steel windows of cold rolled section of 105mm x 60mm x1.25mm thick frame section filled with cement concrete (1:2:4) and metal pressed steel shutters of 20 gauge (1mm) as per detailed drawing and design or as directed including providing horizontal mild steel12mm square bars at 10cm center to center, required F7 B section, section76, section 20 mmx 5 mm mild steel flat for shutter and F4B section for frame, 3mm thick glass of approved quality for fanlight necessary fixtures and fastening etc. complete finishing with one coat of anticorrosive paint etc. complete						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
				5.00	1.20		1.50	9.00	SQ.MT
			TOTAL					9.00	SQ.MT
29	BDT55/39.24	1215/181	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15mm 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 wheelsand worms of high grade cast iron or mild steel and one coat of red lead primer etc.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			As per PEB Design	1.00	4.00	3.00		12.00	SQ.MT
			TOTAL QTY					12.00	SQ.MT
30	BDT55/39.24	1215/181	Providing and fixing lioghtening conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long (Heavy Duty)weldedorclampedtoG.l.pipepoleBgrade50mm dia of required length with M.S. round base plate 25Cm diam and 10mm thick at bottom embedded in cement concrete 1:3:6 dfoundationofsize45cmdiam x 45 cm Height and providing earthling with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthling strip buried in specially prepared earth pits 1.5 metre below ground level with 40 Kilogram charcoal and salt with alte mate layers of charcoal and salt and G.I. pipe 40 mm dia2 meter length burried in earthe up to earthling plate remining portion above ground level for watering and refilling compcete Note-Copper strip from lightning conductor is not considered in this item.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				1.00	Nos
			TOTAL QTY					1.00	Nos
B SW-II Above Plinth - PEB									
1			Structural Steel E-350						

			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 steel work 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 1coats of enamel paint (Berger EPILUX SG – HHI 664002) of 35-50 micron each coat with airless praygun 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
			As per PEB Design					1.36	MT
			TOTAL QTY					1.36	MT
2			Structural Steel-Cold Formed Light gauged						
			Supplying, fabricating and erecting of Cold Formed Light Gauge structural steel members conforming to IS:801/IS:811 hot-dip galvanized to IS:4759 -96 including cutting, welding or bolting, splice plates and packing plates, transporting, straightening, cleaning, fabricating and erecting in position.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			As per PEB Design					0.40	MT
			TOTAL QTY					0.40	MT
3			Sheeting						
			PPGL0.5mmthk						
			Supply & Fixing of PPGI sheets of 0.5 mm thick as shown in drawing or as directed by engineer in charge with all necessary accessories.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			As per PEB Design					1.10	MT
			TOTAL QTY					1.10	MT
4			Roof Accessories						
			Supply & Fixing of 0.5 mm thk PPGL roof accessories as per drawing or as directed by engineer in charge						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			CORNER FLASHING					4	RMT
			Center Ridge					20	RMT
			Gable flashing					15.00	RMT
5			Roof Gutter						
			Roof Gutter (Assumed Girth-600mm) PPGL 0.5 mm Thk.						

			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 in charge/Construction Manager						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					20.00	RMT
			TOTAL QTY					20.00	RMT

6			Down take Pipe						
			Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rainwater down take pipes provided shall be generally at the rate of 1 squarecmper 70 to 80 square decimeter 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
			BUILDING WORK					22.00	RTM
			TOTAL QTY					22.00	RMT

7			Polycarbonate Sheet						
			Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					9.56	Sqm
			TOTAL QTY					9.56	Sqm

8			Turbo Ventilator						
			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 2 mm thk clear 1.020 mtr wide & 1.7 mtr long.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					2.00	Nos
			TOTAL QTY					2.00	Nos

SW-IV- Electrification

1			Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq.mm. copper conductor continuous 5.48 sq.mm. (12SWG) 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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					5.00	RMT
			TOTAL QTY					5.00	RMT

2			Making trench of suitable width and depth in soft soil for laying provided LT cable upto and including 16sq.mm complete as per specification no. CW-EXN-CTR						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					5.00	RMT
			TOTAL QTY					5.00	RMT
3			Making trench of suitable width and depth in soft soil for laying provided LT cable upto and including 16sq.mm complete as per specification no. CW-EXN-CTR						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					2.00	RMT
			TOTAL QTY					2.00	RMT
4			Supplying & erecting mains PVC unarmoured cable 1100 Volt grade ISI mark 3core/2.5sq mm stranded/solid copper complete erected on wall With duly painted G.I. Saddle.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					27.00	RMT
			TOTAL QTY					27.00	RMT
5			Supplying & erecting weatherproof powder coated distribution board 4 way with 2x6/10AmpS. P. M. C. B. with industrial two pin plug socket 10A and 3 pin plug top10A with top cover necessary connection etc complete with Approved make.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					2.00	Nos
			TOTAL QTY					2.00	Nos
6			Providing point wiring for streetlight with PVC unarmoured cable1100Volt grade ISI mark 3 core 1.5sq mm stranded/ solid copper erected on wall with G. I. Saddle duly painted @ 0,25 m C/C rigidly routed in the wall with the help of plated Screw including 4"x4" M.S. box 2 way with poxy painting &						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK					2.00	Nos
			TOTAL QTY					2.00	Nos

7			Supplying & erecting 10-12 W, 230V integral type LED Lamp suitable for B-22/E-27 base.							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK					1.00	Nos	
			TOTAL QTY						1.00	Nos
8			Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF>0.95 class IP65 and above housing of pressured i e cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	8.00				1.00	Nos	
			TOTAL QTY						1.00	Nos
9			Supplying and erecting streetlight Wallbracket made from 40 mm.dia 'B' class G.I. pipe1.2mintotal Length complete as per specification no .FG-BKT/WB							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	10.00				1.00	Nos	
			TOTAL QTY						1.00	Nos
10			Providing earthing with galvanized iron earth plate size60 x 60x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	1.00				0.00	Nos	
			TOTAL QTY						0.00	Nos
11			Providing pipe type earthing with 40 mm. dia. G.I. pipe Or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	1.00				0.00	Nos	
			TOTAL QTY						0.00	Nos
12			Supplying, erecting & marking DPMCB 6 A to 32A, C-series (formotor/power)in provided distribution Board as per specification no. SW-SWR/MCB							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	1.00				1.00	Nos	
			TOTAL QTY						1.00	Nos
13			Supplying, erecting & marking SPMC B6 A to 32A,B-series (for lighting) in provided distribution board as Per specification no. SW-SWR/MCB							

			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				0.00	Nos
			TOTAL QTY					0.00	Nos
14			Supplying and erecting GIsheet 1.6 mm (16SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, Riveting etc. and painting with one coat of redlead paint and 2 coats of enamel paint.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				0.00	Nos
			TOTAL QTY					0.00	Nos
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. complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				0.00	Nos
			TOTAL QTY					0.00	Nos
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 bus bar type) as per Specification no. SW-SWR/MCBDB						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	4.00				1.00	Nos
			TOTAL QTY					1.00	Nos
17			Supplying & erecting G.I. pipe 'A' class 25 mm dia. Erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		20.00			3.00	RMT
			TOTAL QTY					3.00	RMT
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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		12.00			2.00	RMT

			TOTAL QTY					2.00	RMT
19			Supplying and laying (including excavation of suitable width & depth upto 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		24.00			4.00	RMT
			TOTAL QTY					4.00	RMT
20			Supplying & erecting 18 guage M.S. Box powder coated (4"x4") 3 way for mains connection.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	8.00				1.00	Nos
			TOTAL QTY					1.00	Nos
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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	6.00				2.00	Nos
			TOTAL QTY					2.00	Nos
22			Supplying shock proof type hand lamp with lamp holder, bulb/ lamp 100W guarded glass and 30 mtr. 3 core PVC flexible cord with hand shield type 3 pin 6Amp . Plug top.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	6.00				1.00	Nos
			TOTAL QTY					1.00	Nos
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						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	6.00				1.00	Nos
			TOTAL QTY					1.00	Nos

24			Supplying and erecting Streetlight bracket made from 25 mm. dia_ B' class G.I. Pipe, 0.6 m length along with pole cap of 300 mm length and 80 mm Dia duly welded with provided leads as per specification FG- BKT/BPC						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	8.00				0.00	Nos
			TOTAL QTY					0.00	Nos
25			Supplying & erecting mains with 2x2.5 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.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		8.00			1.00	RMT
			TOTAL QTY					1.00	RMT
26			Supplying & erecting main with 2x4.00 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing- caping on Wall / ceiling.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		8.00			1.00	RMT
			TOTAL QTY					1.00	RMT
27			Supplying and erecting double poles with surface type /flush type 240 V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	10.00				0.00	Nos
			TOTAL QTY					0.00	Nos
28			Supplying and erecting double pole metal clads with HC type fuse and neutral link 240V,32A on iron/ GI frame as per specification no.SW-SWR/MDP..						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	8.00				2.00	Nos
			TOTAL QTY					2.00	Nos

29			Supplying & erecting 3W, 230 V integral type LED Lamp suitable for B-22/ E-27 base.							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	8.00				1.00	Nos	
			TOTAL QTY						1.00	Nos
30			Supplying and erecting T8 Fluorescent tube day light 1200 mm 36 W							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	6.00				2.00	Nos	
			TOTAL QTY						2.00	NOS
31			Supplying & erecting ready to use Retrofit T 8 LED 18/20 tubelight with polycarbonate body, heatsink, integrated HF electronic driver complete & Compatible to T8/T12 LED luminaire by disconnecting starter & ballast if necessary.							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	8.00				0.00	Nos	
			TOTAL QTY						0.00	Nos
32			Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification FG- FN/CF							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK					1.00	Sqm	
			TOTAL QTY						1.00	Sqm
33			Supplying and fixing wire mesh (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							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	8.00				1.00	Nos	
			TOTAL QTY						1.00	Nos
34			Supplying and erecting dingdong/electronic musical type call bell with heavy duty coil suitable to operate on 230 VA.C. supply erected on polished Double wooden block/sunmica							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	6.00				1.00	Nos	
			TOTAL QTY						1.00	Nos

Block of suitable size									
35			Supplying and erecting streetlight Wall bracket Made from 25 mm. dia 'B' class G.I. pipe 1.2 min total length complete as per specification no. FG-BKT/WB						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	6.00				1.00	Nos
			TOTAL QTY					1.00	Nos
36			Supplying & erecting CRCA sheet metal one way enclosures suitable for DPMCB/TPMCB/FPMCB Erected on angle iron/GI frame complete.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				0.00	Nos
			TOTAL QTY					0.00	Nos
37			Supplying erecting and marking four pole isolate or sonly switch version of miniature circuit						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				0.00	Nos
			TOTAL QTY					0.00	Nos

ABSTRACT SHEET PADDY SEED

Sr. No.	Sr.No & Code No.	Public Work Region	DESCRIPTION & DETAILS	QUANTITY	UNIT	UNIT RATE	AMOUNT
Excavation (BDA)							
1	BDA1/21.01	718/ 115	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum,including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewater ing,preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means				
			UNDER GORUND	36.00	CUM	243.60	8769.6
2	BDA1/21.01	718/115	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 3.00 m.) By Manual Means	14.40	CUM	257.46	3707.424
3			Providing soling using 80 mm. 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.	14.67	CUM	1560.35	22896.79435
4	BDA10/21.36	748/ 117	Filling in plinth and floors with approved excavated material in 15cm. to 20 cm. layers Including watering and compacting etc. complete				
				73.67	CUM	118.65	8741.192292
5	BDA10/21.37	749/ 117	Filling in plinth and floors with contractors material / brought from outside and approved by Engineer In charge in layers of 15 cm to 20 cm				
				36.91	CUM	577.50	21317.7195
6	As Directed by Engineer	101/24	Providing earth work embankment with approved materials obtained from other sources up to lead of 50m including all lift slayinginlayersof20cmto30cmthickness breaking clods ,dressing to the requirement lines curves grades ^& sections watering and compaction				

			Road work	0.00	CUM	573.30	0
7	As Directed by Engineer	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete				
			Road work	0.00	CUM	417.90	0
8	As Directed by Engineer	103/24	Supplying soft murum at the roadside including conveying and stacking complete				
			Road work	0.00	CUM	414.75	0
9	As Directed by Engineer	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)				
			GORUND FLOOR	0.00	SQMT	29.40	0
10	As Directed by Engineer	108/24	Providing dry rubble stone pitching 23 cm (9") including all material quarry spalls, labour etc. complete.				
			Road work	0.00	SQMT	405.30	0
BD-E: PLAIN CEMENT CONCRETE							
11	BDE2/ 24.04	826/131	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 honey combed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honey combed 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)				
			GORUND FLOOR	9.78	CUM	6331.50	61939.54494
BD-E: REINFORCED CEMENT CONCRETE							

12	BDF3/25.11	834/133	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)				
			GORUND FLOOR	7.68	CUM	6666.00	51194.88
13	BDF5/25.31	839/134	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)				
				5.79	CUM	13636.35	78987.19374
14			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				
			GORUND FLOOR	8.96	CUM	12057.15	108011.2051

15	BDF9/26.05	854/137	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)				
			GORUND FLOOR	2.06	CUM	13766.55	28393.50938
16	BDF12/26.23	860/138	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)				
			GORUND FLOOR	2.53	CUM	7140.00	18031.356
17			Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / quartzite / granite / gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed				
			GORUND FLOOR	1.12	CUM	7140.00	7996.8
18	BDF17/26.33	869/139	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.				
			GORUND FLOOR	4.01	MT	75366.90	301875.3349

BD-G : BRICK WORK							
19	BDG1/27.01	887/144	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.				
			GORUND FLOOR	9.20	CUM	7710.15	70910.32665
20	BDG5/27.05	890/144	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				
			GORUND FLOOR	25.67	CUM	7948.50	204076.9427
BD-L : PLASTER AND POINTING							
21	BDG2/32.11	955/153	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				
			GORUND FLOOR	106.02	SQ.MT	269.85	28608.9573
22	BDL7 /32.11	961/153	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				
				154.23	SQ.MT	733.95	113197.1085
23	BDM 33.31	1016/164	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen etc. complete				
			GORUND FLOOR	82.03	SQ.MT	1627.22	133487.3655
BD-P : COLOUR/WASHING, DESTEMPERING							
24	BDP 1A 36.03	1096/173	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				
				260.25	SQ.MT	12.98	3378.01904

25	BDP 5A 36.11	1104/173	Providing and applying wash able 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				
				106.02	SQ.MT	50.74	5379.35332
26	BDP6A/ 36.14	1107/167	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				
				276.34	SQ.MT	114.46	31629.8764
27	BDW 21.22	735/122	Providing pre constructional anti termite 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.				
				105.00	SQ.MT	108.56	11398.8
28	BDT 39.22	1213/187	Providing and fixing in position factory made box type steel window with glazed fanlight including steel windows of cold rolled section of 105mm x 60mm x 1.25mm thick frame section filled with cement concrete (1:2:4) and metal pressed steel shutters of 20 gauge (1mm) as per detailed drawing and design or as directed including providing horizontal mild steel 12mm square bars at 10cm center to center, required F7 B section, section 76,				
				9.00	SQ.MT	6077.00	54693
BD- W : MISCELLANEOUS							

29	BDT55/39.24	1215/181	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15mm 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)				
			GORUND FLOOR	12.00	SQ.MT	4525.50	54306
30	BDW 48.18	1519/220	Providing and fixing lightning conductor system comprising of erecting Air-Termination consisting of tubular copper rod of 25mm dia. 1.2 mm thick with multiple points head 1.2 mt. long (Heavy Duty)welded or clamped to G.I. pipe pole B grade 50mm dia of required length with M.S. round base plate 25Cm diam and 10mm thick at bottom embedded in cement concrete 1:3:6 foundation of size 45cm diam x 45 cm Height and providing earthing with copper earth plate of size 60 x 60 x 0.3 cms with cadmium plated nut bolts to fix earthing strip buried in specially prepared earth pits 1.5 metre below ground level with 40 Kilogram charcoal and salt with alternate layers of charcoal and salt and G.I. pipe 40 mm dia 2 meter length buried in earth				
				1.00	NOS	26183.02	26183.02
B	SW-II Above Plinth - PEB						
1			Structural Steel E-350				

			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 steel work 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 1coats of enamel paint (Berger EPILUX SG – HHI 664002) of 35-50 micron each coat with airless spraygun over a coat of zinc	1.36	MT	105602.70	143619.672
2			Structural Steel-Cold Formed Light gauged				
			Supplying, fabricating and erecting of Cold Formed Light Gauge structural steel members conforming to IS:801/IS:811 hot-dip galvanized to IS:4759 -96 including cutting, welding or bolting, splice plates and packing plates, transporting, straightening, cleaning, Fabricating and erecting in position.	0.40	MT	102602.70	41041.08
3			Sheeting				
			PPGL 0.5mm thk				
			Supply & Fixing of PPGI sheets of 0.5 mm thick as shown in drawing or as directed by engineer in charge with all necessary accessories.	1.10	MT	120000.00	132000
4			Roof Accessories				
			Supply & Fixing of 0.5 mm thk PPGL roof accessories as per drawing or as directed by engineer in charge				
			CORNER FLASHING	4.00	RMT	400.00	1600
			Center Ridge	20.00	RMT	400.00	8000
			Gable flashing	15.00	RMT	400.00	6000
5			Roof Gutter				
			Roof Gutter (Assumed Girth-600mm) PPGI 0.5 mm Thk.				

			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 in charge/Construction Manager.				
				20.00	RMT	450.00	9000
6			Down take Pipe				
			Providing and fixing of the rain water down take pipes of PPGI, the sectional area of rainwater down take pipes provided shall be generally at the rate of 1 squarecmper 70 to 80 square decimeter 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.				
				22.00	RTM	400.00	8800
7			Polycarbonate Sheet				
			Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.				
				9.56	SQ.M.	1450.00	13862
8			Turbo Ventilator				
			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 2 mm thk clear 1.020 mtr wide & 1.7 mtr long.				
				2.00	NOS	6500.00	13000
							1836034.08
1			Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq.mm. copper conductor continuous 5.48 sq.mm. (12SWG) 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				

				5.00	RMT	290.00	1450
2			Making trench of suitable width and depth in soft soil for laying provided LT cable upto and including 16sq.mm complete as per specification no. CW-EXN-CTR				
				5.00	RMT	205.00	1025
3			Making trench of suitable width and depth in soft soil for laying provided LT cable upto and including 16sq.mm complete as per specification no. CW-EXN-CTR				
				2.00	RMT	175.00	350
4			Supplying & erecting mains PVC unarmoured cable 1100 Volt grade ISI mark 3core/2.5sq mm stranded/solid copper complete erected on wall With duly painted G.I. Saddle.				
				27.00	RMT	135.00	3645
5			Supplying & erecting weatherproof powder coated distribution board 4 way with 2x6/10AmpS.P. M. C. B. with industrial two pin plug socket 10A and 3 pin plug top10A with top cover necessary connection etc complete with Approved make.				
				2.00	NOS	1310.00	2620
6			Providing point wiring for streetlight with PVC unarmoured cable1100Volt grade ISI mark 3 core1.5sq mm stranded/ solid copper erected on wall with G. I. Saddle duly painted @ 0,25 m C/C rigidlyg routed in the wall with the help of plated Screw including 4"x4" M.S. box 2 way with new painting &				
				2.00	NOS	1225.00	2450
7			Supplying & erecting 10-12 W, 230V integral type LED Lamp suitable for B-22/E-27 base.				
				1.00	NOS	230.00	230
8			Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF>0.95 class IP65 and above housing of pressured i e cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS				
				1.00	NOS	2015.00	2015
9			Supplying and erecting streetlight Wallbracket made from 40 mm.dia 'B' class G.I. pipe1.2mintotal Length complete as per specification no .FG-BKT/WB				
				1.00	NOS	715.00	715

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				
				0.00	NOS	4350.00	0
11			Providing pipe type earthing with 40 mm. dia. G.I. pipe Or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP				
				0.00	Nos	1450.00	0
12			Supplying, erecting & marking DPMCB 6 A to 32A, C-series (formotor/power) in provided distribution Board as per specification no. SW-SWR/MCB				
				1.00	NOS	495.00	495
13			Supplying, erecting & marking SPMC B6 A to 32A, B-series (for lighting) in provided distribution board as Per specification no. SW-SWR/MCB				
				0.00	NOS	165.00	0
14			Supplying and erecting Glsheet 1.6 mm (16SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, Riveting etc. and painting with one coat of redlead paint and 2 coats of enamel paint.				
				0.00	NOS	2270.00	0
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. complete.				
				0.00	NOS	1345.00	0
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 bus bar type) as per Specification no. SW-SWR/MCBDB				
				1.00	NOS	4735.00	4735

17			Supplying & erecting G.I. pipe 'A' class 25 mm dia. Erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE				
				3.00	RMT	198.00	594
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				
				2.00	RMT	305.00	610
19			Supplying and laying (including excavation of suitable width & depth upto 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.				
				4.00	RMT	3.00	12
20			Supplying & erecting 18 guage M.S. Box powder coated (4"x4") 3 way for mains connection.				
				1.00	Nos	85.00	85
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				
				2.00	Nos	60.00	120
22			Supplying shock proof type hand lamp with lamp holder, bulb/ lamp 100W guarded glass and 30 mtr. 3 core PVC flexible cord with hand shield type 3 pin 6Amp . Plug top.				
				1.00	Nos	1575.00	1575
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				
				1.00	Nos	496.00	496
24			Supplying and erecting Streetlight bracket made from 25 mm. dia_ B' class G.I. Pipe, 0.6 min length alongwith pole cap of 300 mm length and 80 mm Dia duly welded with provided leads as per specification FG-BKT/BPC				

					0.00	Nos	466.00	0
25			Supplying & erecting mains with 2x2.5 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.					
					1.00	RMT	135.00	135
26			Supplying & erecting main with 2x4.00 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing- caping on Wall / ceiling.					
					1.00	RMT	155.00	155
27			Supplying and erecting double poles witch surface type /flush type 240 V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.					
					0.00	Nos	177.00	0
28			Supplying and erecting double pole metal clads witch with HC type fuse and neutral link 240V,32A on iron/ GI frame as per specification no.SW-SWR/MDP..					
					2.00	Nos	785.00	1570
29			Supplying & erecting 3W, 230 V integral type LED Lamp suitable for B-22/ E-27 base.					
					1.00	Nos	125.00	125
30			Supplying and erecting T8 Fluorescent tube day light 1200 mm 36 W					
					2.00	Nos	45.00	90
31			Supplying & erecting ready to use Retrofit T 8 LED 18/20 tubelight with polycarbonate body, heatsink, integrated HF electronic driver complete & Compatible to T8/T12 LED luminaire by disconnecting starter & ballast if necessary.					
					0.00	Nos	635.00	0
32			Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification FG- FN/CF					
					1.00	Sqm	1895.00	1895
33			Supplying and fixing wire mesh (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					
					1.00	Nos	450.00	450

