

**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**

**WAREHOUSE BUILDING**

**General Abstract (Summary)**

Sr.No.	Details		Currency	Amount	
1	Building Work		Rs	18301185.47	
2	Electric work		Rs	150584	
3	Royalty charges		Rs	467558.53	
4	Lab testing charges		Rs	118720	
	<b>Total Cost Of Project</b>		<b>RS</b>	<b>19038048.00</b>	

# MEASUREMENT SHEET FOR INDIVIDUAL ITEM

## WARE HOUSE

Sr. No.	Sr.No & Code No.	Public Work Region Naggur	DESCRIPTION & DETAILS						
<b>SW-I-CIVIL WORK</b>									
<b>Excavation (BDA)</b>									
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
			Warehouse	18	2.8	2.8	1.5	211.68	CUM
			<b>TOTAL</b>					<b>211.68</b>	<b>CUM</b>
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
			Warehouse	18	2.8	2.8	0.9	127.008	CUM
			<b>TOTAL</b>					<b>127.01</b>	<b>CUM</b>
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
			Warehouse	18	2.8	2.8	0.2	28.224	CUM
			Warehouse Floor	1	41.54	21.59	0.2	179.36972	CUM
			Plinth Protection	2	42	1.2	0.2	20.16	CUM
			Plinth Protection	2	22	1.2	0.2	10.56	CUM
			for Canopy Staicase To	6	4.42	1.57	0.2	8.32728	CUM
			Total 6 opening						
			<b>TOTAL</b>					<b>246.64</b>	<b>CUM</b>
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
			<b>Below Footing</b>						
			Warehouse	18	2.8	2.8	0.3	42.336	CUM
			<b>Back Filling in coloumn pit</b>						
			Excvation Qty Item 1& 2	1				338.69	CUM
			<i>Deduction Footing Column</i>	-1				75.168	CUM
			<b>on Floor</b>						
			Warehouse	1	41.54	21.59	0.3	269.05458	CUM
			<b>TOTAL QTY for MURUM FILLING</b>					<b>725.25</b>	<b>CUM</b>

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
			Warehouse	1	41.54	21.59	0.6	538.10916	CUM
			for Canopy Staicase To	6	4.42	1.57	0.6	24.98184	CUM
			TOTAL QTY for MURUM FILLING					563.09	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	1.00	60.00	50.00	0.50	1500	CUM
			Road Leveling	1.00	90.00	6.00	0.45	243	CUM
			TOTAL QTY for MURUM FILLING					1743.00	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	1.00	60.00	50.00	0.30	900	CUM
			Road Leveling	1.00	90.00	6.00	0.30	162	CUM
			TOTAL QTY for MURUM FILLING					1062.00	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	1.00	60.00	50.00	0.23	690	CUM
			Road Leveling	1.00	90.00	6.00	0.23	124.2	CUM
			TOTAL QTY for MURUM FILLING					814.20	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	1.00	60.00	50.00	0.23	690	CUM
			Road Leveling	1.00	90.00	6.00	0.23	124.2	CUM
			TOTAL QTY					814.20	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	1.00	60.00	50.00	0.23	690	CUM
			Road Leveling	1.00	90.00	6.00	0.23	124.2	CUM

			TOTAL QTY	814.20	CUM
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**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
			Warehouse	18	2.8	2.8	0.2	28.224	CUM
			Warehouse	1	41.54	21.59	0.2	179.36972	CUM
			for Canopy Staicase To	6	4.42	1.57	0.2	8.32728	CUM
			Plinth Protection	2	42	1.2	0.2	20.16	CUM
				2	22	1.2	0.2	10.56	CUM
			TOTAL Qty For PCC					246.64	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
			Warehouse	18	2.4	2.4	0.6	62.208	CUM
			TOTAL					62.21	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
			<b>Warehouse</b>						
			Upto PL	18	0.6	0.6	2	12.96	CUM
			Above PL	36	0.6	0.23	3	14.904	CUM
			TOTAL Qty of Columns					27.86	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, compaction and 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)					
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			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			<b>Beam below brickwork</b>						
			Warehouse	2	42	0.23	0.3	5.796	CUM
				2	22	0.23	0.3	3.036	CUM
			for Canopy Staicase To	6	4.88	0.23	0.3	2.02032	CUM
			Total 6 opening	12	1.8	0.23	0.3	1.4904	CUM
				12	1.8	0.23	0.3	1.4904	CUM
			<b>Beam above brickwork</b>						
			Warehouse	4	42	0.23	0.6	23.184	CUM
				4	22	0.23	0.6	12.144	CUM
			<b>Lintel</b>						
			Warehouse	2	42	0.23	0.3	5.796	CUM
				2	22	0.23	0.3	3.036	CUM
			Plinth Protection	2	42	0.23	0.3	5.796	CUM
				2	22	0.23	0.3	3.036	CUM
			<b>TOTAL Qty</b>					<b>66.83</b>	<b>CUM</b>

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	14.00	2.75	0.75	0.20	5.775	CUM
			<b>TOTAL Qty</b>					<b>5.78</b>	<b>CUM</b>

16	BDF12/26.23	860/138	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 surface with C.M. 1:3 of sufficient minimum thickness to give						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			Long Wall	2.00	42.00	0.30	0.30	7.56	CUM
			Short Wall	2.00	22.00	0.30	0.30	3.96	CUM
			<b>TOTAL Qty</b>					<b>11.52</b>	<b>CUM</b>

17	BDF12/26.23	860/138	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			FOR STAIRCASE					9.12	CUM
			<b>TOTAL Qty For Ground Floor</b>					<b>9.12</b>	<b>CUM</b>

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, arches, 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	924.00	10.76	9942.24	49711	
			TOTAL Qty Of Steel					49.70	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
			<b>Warehouse</b>						
			Long Wall	2	42	0.23	1	19.32	CUM
			Short Wall	2	22	0.23	1	10.12	CUM
			for Canopy Staicase To	6	4.88	0.23	1	6.7344	CUM
			Total 6 opening	12	1.8	0.23	1	4.968	CUM
			TOTAL Qty					41.14	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	42	0.23	3.05	58.926	CUM
			Short Wall	2	22	0.23	3.05	30.866	CUM
			TOTAL Qty OF BRICK WORK					89.79	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	41.54		3.05	253.394	SQ.MT
				2	21.59		3.05	131.699	SQ.MT
			TOTAL FOR PLASTER					385.09	SQ.MT

			TOTAL Qty OF INTERNAL PLASTER					385.09	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.						
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								996.42	SQ.MT
			<b>TOTAL</b>					996.42	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
				12.00	1.20		1.50	21.60	SQ.MT
			<b>TOTAL</b>					21.60	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	6.00	4.00	3.00		72.00	SQ.MT
			<b>TOTAL QTY</b>					72.00	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.I.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 lightening conductor is not considered in this item.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	1.00				1.00	Nos
			<b>TOTAL QTY</b>					1.00	Nos

<b>B SW-II Above Plinth - PEB</b>									
1			<b>Structural Steel E-350</b>						

			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					18.97	MT
			<b>TOTAL QTY</b>					<b>18.97</b>	<b>MT</b>
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2			<b>Structural Steel-Cold Formed Light gauged</b>						
			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					8.30	MT
			<b>TOTAL QTY</b>					<b>8.30</b>	<b>MT</b>
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3			<b>Sheeting</b>						
			<b>PPGL0.5mmthk</b>						
			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					10.30	MT
			<b>TOTAL QTY</b>					<b>10.30</b>	<b>MT</b>
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4			<b>Roof Accessories</b>						
			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					25	RMT
			Center Ridge					115	RMT
			Gable flashing					95.00	RMT
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5			<b>Roof Gutter</b>						
			<b>Roof Gutter (Assumed Girth-600mm) PPGL 0.5 mm Thk.</b>						

			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					104.80	RMT
			TOTAL QTY					104.80	RMT

6			<b>Down take Pipe</b>						
			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					160.00	RTM
			TOTAL QTY					160.00	RMT

7			<b>Polycarbonate Sheet</b>						
			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					25.00	Sqm
			TOTAL QTY					25.00	Sqm

8			<b>Turbo Ventilator</b>						
			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					6.00	Nos
			TOTAL QTY					6.00	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					25.00	RMT
			TOTAL QTY					25.00	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					15.00	RMT
			TOTAL QTY					15.00	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					8.00	RMT
			TOTAL QTY					8.00	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					130.00	RMT
			TOTAL QTY					130.00	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					6.00	Nos
			TOTAL QTY					6.00	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					6.00	Nos
			TOTAL QTY					6.00	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					3.00	Nos	
			TOTAL QTY						3.00	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				3.00	Nos	
			TOTAL QTY						3.00	Nos

9			Supplying and erecting streetlight Wallbracket made from 40 mm.dia 'B' class G.I. pipe 1.2m total Length complete as per specification no .FG-BKT/WB							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	10.00				3.00	Nos	
			TOTAL QTY						3.00	Nos

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							
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT	
			BUILDING WORK	1.00				1.00	Nos	
			TOTAL QTY						1.00	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				1.00	Nos	
			TOTAL QTY						1.00	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				5.00	Nos
			TOTAL QTY					5.00	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				1.00	Nos
			TOTAL QTY					1.00	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				1.00	Nos
			TOTAL QTY					1.00	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				1.00	Nos
			TOTAL QTY					1.00	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				3.00	Nos
			TOTAL QTY					3.00	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			15.00	RMT
		TOTAL QTY					15.00	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			10.00	RMT
		TOTAL QTY					10.00	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			20.00	RMT
		TOTAL QTY					20.00	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				6.00	Nos
		TOTAL QTY					6.00	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				8.00	Nos
		TOTAL QTY					8.00	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				2.00	Nos
			TOTAL QTY					2.00	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				2.00	Nos
			TOTAL QTY					2.00	Nos
24			Supplying and erecting Streetlight bracket made from 25 mm. dia_ B' class G.I. Pipe, 0.6 m length alongwith 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				1.00	Nos
			TOTAL QTY					1.00	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- capping 20 Mm on wall/ceiling.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		8.00			2.00	RMT
			TOTAL QTY					2.00	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- capping on Wall / ceiling.						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK		8.00			2.00	RMT
			TOTAL QTY					2.00	RMT
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.						

			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	10.00				1.00	Nos
			TOTAL QTY					1.00	Nos
28			Supplying and erecting double pole metal clads witch with HC type fuse and neutral link 240V,32Aoniron/ GI frame as per specification no.SW-SWR/MDP..						
			DESCRIPTION	NO.	LENGTH	BREADTH	DPT/HT	QUANTITY	UNIT
			BUILDING WORK	8.00				8.00	Nos
			TOTAL QTY					8.00	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				2.00	Nos
			TOTAL QTY					2.00	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				8.00	Nos
			TOTAL QTY					8.00	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				1.00	Nos
			TOTAL QTY					1.00	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				3.00	Nos
			TOTAL QTY					3.00	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
			<b>Block of suitable size</b>						
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				4.00	Nos
			TOTAL QTY					4.00	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				1.00	Nos
			TOTAL QTY					1.00	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				1.00	Nos
			TOTAL QTY					1.00	Nos

# ABSTRACT SHEET

## WAREHOUSE

Sr. No.	Sr.No & Code No.	Public Work Region Nagpur	DESCRIPTION & DETAILS	QUANTITY	UNIT	UNIT RATE	AMOUNT
<b>Excavation (BDA)</b>							
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	211.68	CUM	243.60	51565.248
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	127.008	CUM	257.46	32699.47968
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.	246.64	CUM	1560.35	384846.2844
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				
				725.24658	CUM	118.65	86050.50672
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.				
				563.091	CUM	577.50	325185.0525

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 lifting in layers of 20cm to 30cm thickness breaking clods, dressing to the requirement lines curves grades ^& sections watering and compaction with vibrator roller with v-s at attachment to achieve not less than 97% of standard proctor Density etc complete				
			Road work	1743	CUM	573.30	999261.9
7	As Directed by	102/24	Supplying hard murum /kankar at the road side including conveying and stacking complete				
			Road work	1062	CUM	417.90	443809.8
8	As Directed by Engineer	103/24	Supplying soft murum at the roadside including conveying and stacking complete				
			Road work	814.2	CUM	414.75	337689.45
9	As Directed by Engineer	104/24	Picking the road surface including sectioning etc. complete (WBM surface.)				
			GORUND FLOOR	814.2	SQMT	29.40	23937.48
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	814.2	SQMT	405.30	329995.26
<b>BD-E: PLAIN CEMENT CONCRETE</b>							
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	246.641	CUM	6331.50	1561607.492
			<b>BD-E: REINFORCED CEMENT CONCRETE</b>				
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	62.208	CUM	6666.00	414678.528
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)				
				27.864	CUM	13636.35	379963.2564
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				
			GORUND FLOOR	66.82512	CUM	12057.15	805720.4956

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	5.775	CUM	13766.55	79501.82625
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	11.52	CUM	7140.00	82252.8
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,				
			GORUND FLOOR	9.12	CUM	7140.00	65081.1
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	49.7	MT	75366.90	3745734.93
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	41.1424	CUM	7710.15	317214.0754
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	89.792	CUM	7948.50	713711.712
<b>BD-L : PLASTER AND POINTING</b>							
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	385.093	SQ.MT	269.85	103917.3461
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				
				562.88	SQ.MT	733.95	413125.776
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				
			GORUND FLOOR	976.704	SQ.MT	1627.22	1589312.283
<b>BD-P : COLOUR/WASHING, DESTEMPERING</b>							
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				
				947.973	SQ.MT	12.98	12304.68954

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				
				385.093	SQ.MT	50.74	19539.61882
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			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.	996.42	SQ.MT	108.56	108171.3552
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 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	21.6	SQ.MT	6077.00	131263.2
<b>BD- W : MISCELLANEOUS</b>							
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. 6248:1979) (With mechanical gear)				

			GORUND FLOOR	72	SQ.MT	4525.50	325836
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.I.pipepoleBgrade50mm dia of required length with M.S. round base plate 25Cm diam and 10mm thick at bottom embedded in cement concrete1:3:6Dfoundationofsize45cmdiam 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 buried in earthe up to earthling plate remaining portion above				
				1	NOS	26183.02	26183.02
<b>B</b>	<b>SW-II Above Plinth - PEB</b>						
1			<b>Structural Steel E-350</b>				
			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 EPI LUX SG = HHI	18.97	MT	105602.70	2003283.219
2			<b>Structural Steel-Cold Formed Light gauged</b>				
			Supplying, fabricating and erecting of Cold Formed Light Gauge structural steel members conforming toIS:801/IS:811hot-dipgalvanised to IS:4759 -96 including cutting, welding or bolting, splice plates and packing plates, transporting, straightening, cleaning.Fabricating and erecting in position.	8.3	MT	105602.70	876502.41
3			<b>Sheeting</b>				
			<b>PPGL0.5mmthk</b>				

			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.	10.3	MT	120000.00	1236000
4			<b>Roof Accessories</b>				
			Supply & Fixing of 0.5 mm thk PPGL roof accessories as per drawing or as directed by engineer in charge				
			CORNER FLASHING	15	RMT	400.00	6000
			Center Ridge	70	RMT	400.00	28000
			Gable flashing	58.00	RMT	400.00	23200
5			<b>Roof Gutter</b>				
			<b>Roof Gutter (Assumed Girth-600mm) PPGI 0.5 mm Thk.</b>				
			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 asDirected as per engineer in charge/Construction Manager.				
				104.8	RMT	450.00	47160
6			<b>Down take Pipe</b>				
			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.				
				160	RTM	400.00	64000
7			<b>Polycarbonate Sheet</b>				
			Supply & Fixing of 2mm thk polycarbonate sheets as per drawing & as directed by engineer in-charge.				
				25	SQ.M.	1450.00	36250
8			<b>Turbo Ventilator</b>				



				3	NOS	230.00	690
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				
				3	NOS	2015.00	6045
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				
				3	NOS	715.00	2145
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				
				1	NOS	4350.00	4350
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				
				1.00	Nos	1450.00	1450
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	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				
				1	NOS	165.00	165
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.				
				1	NOS	2270.00	2270

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.				
				1	NOS	1345.00	1345
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				
				4	NOS	4735.00	18940
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				
				20	RMT	198.00	3960
18			Supplying & erecting G.I. pipe 'A' class 40 mm dia. Erected for enclosing XLPE armoured cable on wall /pole as per specification no. CB-CE				
				12	RMT	305.00	3660
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.				
				24	RMT	3.00	72
20			Supplying & erecting 18 guage M.S. Box powder coated (4"x4") 3 way for mains connection.				
				8.00	Nos	85.00	680
21			Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq.mm. /2 to 4 core 10 sq.mm. for XLPE armoured cable as per specification No. CB- GL				
				6.00	Nos	60.00	360
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.				
				6.00	Nos	1575.00	9450

23			Point wiring for independent plug in 20 mm ISI marked HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG- PW/SW				
				6.00	Nos	496.00	2976
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 EG- BKT/BPC				
				6.00	Nos	466.00	2796
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- capping 20 Mm on wall/ceiling.				
				6.00	RMT	135.00	810
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- capping on Wall / ceiling.				
				8.00	RMT	155.00	1240
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.				
				10.00	Nos	177.00	1770
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..				
				8.00	Nos	785.00	6280
29			Supplying & erecting 3W, 230 V integral type LED Lamp suitable for B-22/ E-27 base.				
				8.00	Nos	125.00	1000
30			Supplying and erecting T8 Fluorescent tube day light 1200 mm 36 W				
				6.00	Nos	45.00	270
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.				
				8.00	Nos	635.00	5080



WAREHOUSE

MATERIAL LAB TESTING CHARGES

Statement Showing The Details of Recuirement of Lab,Test to be carried Out :-

Sr. No.	Particulars	Quantity	Unit	Test To Carried Out	Nos. of Tests	Rate per Test	Amount	Remarks
1	Cement	2800.00	Bags	Cement- Fineness, Standard Consistency. Setting Time (Initial & Final), Compressive strength, Soundness	1.00	7540.00	7540.00	one tear per 1000 Bags
2	Concrete M-20 Grade	179.37	cum	Mix Design M-20 with all tests on Basic Materials	1.00	27510.00	27510.00	One per 50Cum of Concrete
3				M 20-Concrete cube compressive strength (Set of 3 Cubes)	10.00	1380.00	13800.00	1 test for 15 cum
4				Rebound Hammer Test	2.00	1380.00	2760.00	
5	Concrete M-15 Grade	246.84		Mix Design with all tests on Basic Materials	1.00	27510.00	27510.00	One per 500Cum of Concrete
6				Concrete cube compressive strength (Set of 3 Cubes)	4.00	1380.00	5520.00	1 test for 15 cum
7	Crusted Metal For Concerte	351.00	cum	Metal-Water absorption, Specific gravity,Impact value, Crushing value	2.00	5200.00	10400.00	one test per 200 cum
8				Metal-Combined Flakiness & Elongation of single met	2.00	1700.00	3400.00	one test per 200 cum
9	Brick	130.93	No	Bricks-Crushing value, Water absorption, Specific Gravity	2.00	4350.00	8700.00	one test per 50000Nos of Bricks or
10	Stone Masonary	23.00	cum	Stone-Crushing value / Compressive strength, water absorption & Specific Gravity	1.00	4040.00	4040.00	one test per Soucre
11	TMT Steel Bar	49.70	M.T.	Steel - Tensile strength, Yield stress, ultima tensile stress, % elongation, weight per running meter, Bend/ Rebend test.(Set of 3 Bars)	1.00	2550.00	2550.00	one test per Soucre
12	Sand	172.12	Cum	Sand- Fineness Modulus , silt & clay content	1.00	2760.00	2760.00	One test per Source
13	Murum in Plinth	1288.33	Cum	Atterberg Limit	1.00	2230.00	2230.00	1 test per 250 cum
VII	Management Strategies and Implementation Plan (MSIP) to manage the				Lumpsum			
							<b>118720.00</b>	

