

**CHANDGAD FARM FRESH FARMER PRODUCER COMPANY LTD CHANDGAD KOLHAPUR**

**CONSTRUCTION OF PLANT SHED**

**LEADS & RATES OF MATERIALS**

BASED ON STATE SSR 2021-2022

S.N.	MATERIAL & LOCATION	UNIT	Lead in KM	Actual lead	LEAD DIFF.	Pay load	NET	Rate /unit
						Factor		
1	2	3	4	5	6	7	8	9
1	SAND	CU M	45	641.85	641.85	1.00	641.85	641.85
2	CRUSHED METAL UPTO 40 MM	CU M	10	281.03	281.03	1.00	281.03	281.03
3	METAL ABOVE 40 MM	CU M	10	269.32	269.32	1.00	269.32	269.32
4	RUBBLE	CU M	10	343.81	343.81	1.00	343.81	343.81
5	BRICKS	1000 NOS	10	372.08	372.08	1.00	372.08	372.08
6	HARD MURUM	CU M	5	210.71	210.71	1.00	210.71	210.71
7	SOFT MURUM	CU M	5	210.71	210.71	1.00	210.71	210.71
8	ROYALTY CHARGES	CU M	1	141.34		1.00	0.00	0.00

Jr.Engineer

Sectional Engineer

		QTY	RATE	AMOUNT	
1	C.C. 1:3:6 for foundation & bedding	SAND	0.47	641.85	301.67
		METAL	0.94	281.03	264.17
2	P & C U.C.R masonry	SAND	0.35	641.85	224.65
		RUBBLE	1.16	343.81	398.82
3	P & C B.B. masonry in plinth & S.S	SAND	0.32	641.85	205.39
		BRICKS	0.475	372.08	176.74
4	P & L R.C.C. (M-20) 1:1.5:3	SAND	0.425	641.85	272.79
		METAL	0.85	281.03	238.88
4-A	P & L R.C.C. 1:2:4	SAND	0.425	641.85	272.79
		METAL	0.85	281.03	238.88
5	P & A 12 mm tk plaster	SAND	0.015	641.85	9.63
6	P & A 20 mm tk plaster	SAND	0.025	641.85	16.05
7	P & F ploished shahabad for sills & dado	SAND	0.022	641.85	14.12
8	P & C half brick wall	sand	0.034	641.85	21.82
		bricks	0.12	372.08	44.65
9	P & a flush pointing in c.m.1:3 for stone masonry	sand	0.003	641.85	1.93
10	M.S.Channel	KG		0.00	
11	Wind ties 1.90 kg / mtr	RMT		0.00	
12	M.S.angle sill 4.68 kg / mtr.	RMT		0.00	
13	M.S.ladder 18.40 kg/ mtr.	RMT		0.00	
14	V1 & V2 vents 43.33 kg/m2.	SQM.		0.00	
15	P & L R. C. C. M30	SAND	0.425	0.00	0.00
		METAL	0.85	0.00	0.00

The centre falls under sugarcane area / corporation /Trible	Building	Road
Hence percentage required to be added will be percentage	5.00%	0.00%
Municipal Council Area	4.00%	10.80%
TOTAL	9.00%	10.80%
Dedn for SCADA	-8.00%	5.00%

## CHANDGAD FARM FRESH FARMER PRODUCER COMPANY LTD CHANDGAD KOLHAPUR

## CONSTRUCTION OF PLANT SHED

## SUB WORK I : -PROPOSED NEW CONSTRUCTION WORK OF WEAR HOUSE 350 M.T CAPACITY CHANDGAD FARM FRESH FARMER PRODUCER COMPANY LTD.

BASED ON STATE SSR 2021-2022

I.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	Dedn Scada	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty					
							6 TO 11	12 TO 13						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	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 1.5 m.) By Mechanical Means.... Item Spec: (Bd.A.1 Page No. 115)	46.00	C.um	21.06/115	212.00						212.00	10.60	222.60	10240.00
2	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap / granitel quartzitel gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)....(INo24-01, PgNo 226) ( STATE SSR ) Item Spec: (Bd. E. 1 Page No. 287)	4.00	C.um	24.01/131	5538.00	-443.04	272.79	238.88			5606.62	280.33	5886.95	23548.00
4	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzitel / 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 ,cover blocks, laying/pumping, 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 (Natural Sand / Crushed sand VSI Grade finely washed etc	10.18	C.um	25.11/133	6666.00	-533.28	272.79	238.88			6644.38	332.22	6976.60	71015.00
5	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzitel / gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks compacting and 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)	12.96	C.um	25.31/134	12987.00	-1038.96	272.79	238.88			12459.70	622.99	13082.69	169552.00

**CONSTRUCTION OF PLANT SHED**

**SUB WORK I :- PROPOSED NEW CONSTRUCTION WORK OF WEAR HOUSE 350 M.T CAPACITY CHANDGAD FARM FRESH  
FARMER PRODUCER COMPANY LTD.**

BASED ON STATE SSR 2021-2022

I.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	Dedn Scada	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty		6 TO 11	12 TO 13		
											-0.08	7	8	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc).... (Ino25-50, PgNo 234) (STATE SSR ) Item Spec: (Bd.F.6 Page No. 300 and B.7, Page No.38)	15.96	C.um	25.50/135	11483.00	-918.64	272.79	238.88			11076.02	553.80	11629.82	185634.00
7	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for R.C.C. chajja & Ratrack as per detailed designs and drawing or as directed including steel centering, plywood/steel form work, compaction, finishing uneven and honeycombed compaction, to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. As directed by Architect. (Excluding reinforcement, including cover block) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering	1.83	CUM	26.05/137	13111.00	-1048.88	272.79	238.88			12573.78	628.69	13202.47	24145.00
8	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 bass, binding with wires or tack welding and supporting as required complete ..... (Ino26-33, PgNo 245) (STATE SSR ) Item Spec: (Bd.F.17, Page No. 306)	7.32	MT	26.33/245	85000.00						85000.00	4250.00	89250.00	653310.00
9	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.	12.00	Cum	27.01/144	7343.00						7343.00	367.15	7710.15	92522.00
10	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	71.12	CUM	27.05/145	7224.00						7224.00	361.20	7585.20	539480.00
11	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm, to 20cm, including watering and compaction etc. complete.....(IN021-37, PgNo 201) (STATE SSR ) Item Spec. (Bd. A.11 Page No. 283)	169.06	C.um	21.37/201	550.00						550.00	27.50	577.50	97630.00
13	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.....(Ino32-04. PgNo 268) ( STATE SSR ) Item Spec: (Bd. L.2 Page No. 368)	375.91	SqM	32.04/153	264.00						264.00	13.20	277.20	104204.00

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BASED ON STATE SSR 2021-2022

I.N.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	Dedn Scada	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty		6 TO 11	12 TO 13		
											-0.08			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14	Providing sand faced plaster externally in cement mortar using approved screened sand,in all positions including base coat of 15mm thick in cement mortar 1:4using water proofing compound at 1Kilogram per cement bag curing the same fornot less than 2days and keeping the surface of the base coat rough to receive the sand faced treatment 6to8 mm thick in cement mortar1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	384.03	SqM	32.11/269	599.00						599.00	29.95	628.95	241537.00
15	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.....(INo36-11, PgNo 291) (STATE SSR ) Item Spec: (Bd.P.5 Page No. 413	374.27	SqM	36.11/291	29.00						29.00	1.45	30.45	11397.00
16	Providing and applying two coats of exterior stytic emulsion paint conforming to corresponding IS. of approved manufacture and of approved colour to the plastered surfaces including cleaning preparing the plaster surface, applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.....(IN035-25, PgNo 288) (STATE SSR) Hem Spec: (As directed by Engineer in charge.)	384.03	SQM	35.25/288	240.00						240.00	12.00	252.00	96776.00
18	Providing & fixing at site self supported trussless pre painted galvailume roofmaterial of base metal thickness should be 1.0 mm thick minimum or as specified by standared self supported roofing company. The PPGL sheet shall be 3 feet (914 mm) width, which shall be curved & moulded at site using mechanical press and dies to desire curves & shape to form 2 feet (605 mm) approximate wide interlocking panels, to close seam foaming water tight joints, Minor colour chipping/ scratching shall be rectified by applying epoxy lacquer. Errection and fixing of seamed sheet, Anchor fastening of axel/ Hilit/ any other standered make fitting/ standard make having diameter of metal bolt 12 mm dia having 150 mm length two bolts per panel (605 mm wide) on each side of panel in zig zag pattern and 3 bolts for 5 panels starting and ending sides, including all labour, scaffolding required suitable capacity of cranes for fixing including all necessary fixture & fastening all accessories electrical hangers, clamps for electrial fittings etc. complctc. Including all incidental charges 6uch as electrical/ water etc. complete with lead and lifts with Performance Bank guarantee of ten years of equal amount of contract value of roof.structure alike proflex system with unobstructed span 15.0 M (TCT 1.00 mm thickness) having arch rise of 16% for full span structure design for roofing system to withstand the wind load and deed load as per IS 875 part 3 and Earthquake load as per IS 1893 A sheet for structure off whité top colour & grey bottom colour and light green colour roof structure at 5.00 m	185.78	SQM	38.44	2530.00						2530.00	126.50	2656.50	493513.00
19	Providing and fixing Z-type (Staggered) steel ventilator fully glazed with Z-section of 10 gauge and fixing welded mesh 25 X 25 mm 12 guage as per detailed drawing with quter frame of Z-section including two 12 mm sqqare bar in each panel, fabricating, glazing with 6 mm thick wire glass and of approved type and, quality and fastening and oil paintir.g two coats e,tc. complete. [Spec. No. : As directed by Engineer-in-charge]	11.52	SQM	39.20/316	3551.00						3551.00	177.55	3728.55	42953.00

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							SAND	METAL	Royalty		6 TO 11	12 TO 13		
						-0.08								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, d'ep 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	4.32	SQM	39.24/181	4310.00						4310.00	215.50	3890.50	16807.00
21	Providing and applying water proofing treatment to Gutter Slab, in all directions by using standard acrylic copolymer coating of Rolf Hyguard, Monopol 456 in three coats including cleaning the surface by wire brush, washing and drying including covering gurantee of 10 years on court stamp paper of Rs. 100/-, and as directed by Engineer in charge etc. complete. [Spec. No. : As directed by Engineer-in-charge]	18.29	C.um	31.17/151	550.00						550.00	27.50	577.50	10561.00
22	Excavation for foundation in hard murum including removing the excavated material up to distance of 50 metres beyond the building area and stacking and spreading as directed,dewatering,preparing the bed for the foundation and necessary back filling,ramming,watering including shoring and strutting etc.complete. (Lift upto 1.50 m) By Manual Means(Bd.A.1 Page No.259)	29.00	C.um	21.02/115	153.00						153.00	7.65	160.65	4659.00
25	Providing and laying Cas tin situ/Ready Mix cement concrete in M15 of trap/granite/quartzite/gneiss metal for plain or molde d sills,cornice,jambs,block in course,or architraves of required size and shapes including steel centering,formwork,laying/pumping,compacting,roughening the mif special finish is to be provided,finishing uneven and honey combed surface and curingetc.complete. The Cement Mortar1:3 plaster is considered forrender ingun even 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 enable dreversible Drum Type mixer/concrete Batch mix plant(Panmixer)etc.complete.With fine aggregate(CrushedsandVSIGrade)	2.00	C.um		6030.00	-482.40	272.79	238.88			6059.26	302.96	6362.22	12724.00
27	Providing and laying in situ cement concrete M20 with tremix treatment for100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	184.40	SQ.m	33.30/157	746.00	-59.68					686.32	34.32	720.64	132888.00

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I.N.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	Dedn Scada	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty		6 TO 11	12 TO 13		
											-0.08			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
33	Providing and fixing in position unplasticized poly vinyl-chloride (UPVC) ultra violet rays stabilised 110 mm outer diameter rain water SWR Pipe conforming to I.S. 4985 and I.S.13592, including necessary fittings, such as PVC grating, bends, with door, PVC clamps, horse shoes at bottom, rubber ring and making connections water tight with solvent, cement including making holes in masonry concrete redoing the same in C.M. 1:3, curing, testing etc. complete. [Spec. No. : As directed by Engineer-in-charge]	24.00	RUNNING METER		348.00								348.00	8352.00
34	Providing and casting in situ cement concrete M-20 grade of trap/granite/gneiss/quartzite metal for R.C.C. Pardi 100 mm thick including steel centering, plywood / steel formwork, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening them if special finish is to be provided and curing etc. complete. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.) (Wooden centering will not be allowed). [Spec. No. : Bd. F. 11. Page No. 364 / I.S. 456 (2000)]	1.37	C.um	26.17	14692.00	-1175.36	272.79	238.88			14054.47	702.72	14757.20	20241.00
35	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 1.0percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper.	185.78	Square Metre		92.00								92.00	17091.00
36	Supplying & erecting mains with 2x1.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire, in HMS PVC conduit min. 20mm dia.CSR 2019-20 Item No 1-6-2 Additional specification No: WG-MA/PC.	15.00	RMT		1100.00								1100.00	16500.00
37	Supplying & erecting mains with 2x2.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia.CSR 2019-20 Item No 1-6-4 Additional specification No: WG-MA/PC.	15.00	RMT		75.00								75.00	1125.00
38	Supplying & erecting mains with 2x4 sq.mm. and earth wire 2.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia.CSR 2019-20 Item No 1-6-6 Additional specification No: WG-MA/PC.	2.00	RMT		75.00								75.00	150.00
39	Supplying and erecting Ceiling rose / Batten holder / Slanting holder / hanging cord switch / hanging bell push / pendent holder bakelite base 6A. erected on filled polypropylene board or polished double wooden block/ PVC junction box.CSR2019-20 Item No 1-7-7	2.00	EACH		12.00								12.00	24.00
40	Supplying and erecting hylam sheet/ ebonite sheet 3 mm thick for covering wall entries including cutting, drilling and fixing with nut bolts / screws etc. complete. CSR 2019-20 Item No 6-1-9	4.00	KG		520.00								520.00	2080.00
41	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on iron / GI frame (horizontal busbar type) CSR2019-20 Item No 5-4-1Additional specification no. SW-SWR/MCBDB	2.00	EACH		1200.00								1200.00	2400.00

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							SAND	METAL	Royalty		6 TO 11	12 TO 13		
											-0.08	7	8	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
42	Supplying, erecting & marking FPMCB 40A to 63A in provided distribution board. CSR 2019-20 Item No 5-3-17 Additional specification No. SW-SWR/MCB	1.00	EACH		2200.00								2200.00	2200.00
43	Supplying, erecting & marking DPMCB 6 A to 32 A B- series (for lighting) in provided distribution board. CSR 2019-20 Item No 5-3-7 Additional specification No. SWSWR/ MCB	1.00	EACH		440.00								440.00	440.00
44	Supplying & erecting conventional spike Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm with funnel with a wire mesh for watering and brick masonry block C.I. cover complete with all materials, testing & recording the results. CSR 2019-20 Item No 9-1-3 Additional specification No. EA-EP	1.00	EACH		220.00								220.00	220.00
45	Supplying, erecting & terminating XLPE armoured cable 4 core 25 sq. mm. aluminium conductor with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe. CSR 2019-20 Item NO 7-1-30 Additional specification No CB-LT/AL	15.00	RMT		160.00								160.00	2400.00
46	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete. CSR 2019-20 Item No 7-6-10	15.00	RMT		160.00								160.00	2400.00
47	Supplying & erecting Siemens type brass cable glands for 4 core 35 sq. mm./3 core 50 sq. mm. for XLPE armoured cable. CSR 2019-20 Item No 7-7-4 Additional specification No. CB-GL	1.00	EACH		710.00								710.00	710.00
48	Supplying & erecting crimping type copper lugs for cable 25 sq. mm. complete. CSR 2019-20 Item No 7-9-2 Additional specification No. CB-CL/CU	1.00	EACH		220.00								220.00	220.00
49	Supplying and erecting single pole and neutral distribution board (SPNDB) surface/flush mounted with 2 ways for incoming and 2 ways for outgoing SPMCBs on iron/ GI frame. CSR 2019-20 Item No 5-4-14 Additional specification No. SW-SWR/MCBDB	1.00	EACH		1200.00								1200.00	1200.00
50	Supplying and erecting LED Street light fitting suitable for above 40W to 48W lamp, including lamp, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete .CSR 2019-20 Item No 2-5-4 Additional specification No . FGODF/ FLS2.	1.00	EACH		955.00								955.00	955.00
51	Supplying and erecting Street light bracket made from 40 mm. dia 'B' class G.I. Pipe, 0.6m. in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads. CSR 2019-20 Item No 2-9-2 Additional specification No. FG-BKT/BPC	1.00	EACH		3000.00								3000.00	3000.00

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I.N.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	Dedn Scada	LEAD CHARGES			LIFTS & RA	TOTAL OF RATE	ADD % for Area	TOTAL OF RATE	AMOUNT
							SAND	METAL	Royalty		6 TO 11	12 TO 13		
						-0.08					7	8	9	10
52	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 50 mm diaof required length with M.S. round bnase plate 25 Cm diam and 10mm thick at bottom embeded in cement concrete 1:3:6 dfoundation of size 45 cm 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 burried in specially prepared earth pits 1.5 metre below ground level with 40 kg charcoal and salt with altemate layers of charcoal and salt and G.I.pipe 40mm dia 2 meter length burried in earthe upto earthing plate remining portion above ground level for watering and refilling comcpete Note- Copper strip fropp lightning conductor is not considered in this item. CSR 2020-21 Item No 44.18 Additional Spec No:BDW 1 pAGE No 581	1.00	NOS		3000.00								3000.00	3000.00
53	Providing and fixing copper strip 25mm wide and 3mm thick for lightning conductor including fixing with screws required scaffolding etc.complete Note-Lightening conductor and earthinf pits is not considered in this item. CSR 2020-21 Item No 44.19 Additional Spec No :BDW 1 Page No 581 & As directed by Engineer in Charge	1.00	RMT		300.00								300.00	300.00
54	providing wind operated turbo S.S ventilator system (24 inch dia ) over existing roof including cutting of sheets proper fixing in position to true line & level with all fixtures & fastening providing 0.8 mm thick FRP sheets for covering area between roof & fan so as to provide waterproof joints with aproved water proofing compound making good the roof surface includig cleaning D.S.R 304/123	8.00	NOS		1200.00								1200.00	9600.00
													<b>TOTAL RS</b>	<b>3129703.00</b>