

DETAILED ESTIMATE

(AS PER PWD SSR 2021-22)

FOR

SSK AGRO FARMER PRODUCER COMPANY LTD.

TOTAL AMOUNT (Rs.) = 177.34 LAKHS

* NAME OF WORK *

CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY
WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ ,
DIST.BEED.

CONSULTANT

SSK AGRO FARMER PRODUCER COMPANY LTD.

AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ, DIST.BEED.

NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.

CAPACITY OF GODOWN :- 2020 MT METRIC TONNS

RECAPULATION SHEET

Sr.	Particulars	AREA	UNIT	AMOUNT(Rs.)	Rate per MT (Rs.)	Rate per unit (Rs.)
S.W. I	W.H. Building 1/2020 MT	1024.38	SQ.MTR	9100713.00	4505.30	8884.12
	Above Plinth (PEB WH Structure)	992.49	SQ.MTR	4962464.00	2456.67	5000.01
S.W. II	Internal Roads & CD Works			1006749.42		
S.W. III	Eletrification			190802.85		
S.W. IV	Royalty Charges			504678.31		
S.W. V	Material lab testing charges			23205.00		
	Total			15765407.57	7804.66	15390.19
	Add 12% GST			1891848.909		
	Add 0.50 % Labour Insurance			78827.04		
	Grand Total			#####	8780.23937	17313.97

**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT
GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
PART A : CIVIL WORK						
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 (S.S.R. OF 2021-22 I.No. 21.02 P.No. 115)					
	FOR COLUMN FOOTING	32	1.60	1.60	1.500	122.880
	FOR STEPS	4	5.00	2.00	1.200	48.000
		2	4.65	2.00	1.200	22.320
	FOR PLATFORM	12	1.50	1.50	1.500	40.500
		TOTAL QUANTITY				
						Cu.M.
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and (S.S.R. I.No. 21.06 P.No. 115)					
	FOR COLUMN FOOTING,	32	1.60	1.80	0.600	55.296
	FOR STEPS	4	5.00	2.00	0.600	24.000
	FOR STEPS	2	4.65	2.00	0.600	11.160
	FOR PLATFORM	12	1.50	1.50	0.600	16.200
		TOTAL QUANTITY				
						Cu.M.
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water. (S. e-S.S.R. I.No. 24.01 P.No. 131					
	FOR COLUMN FOOTING,	32	1.55	1.75	0.150	13.020
	FOR STEPS,	4	4.97	2.00	0.150	5.964
		2	4.60	2.00	0.150	2.760
	FOR PLATFORM	12	1.40	1.40	0.125	2.940
	FOR GODOWN,	1	48.32	20.54	0.150	148.874
	TOTAL QUANTITY					173.558
						Cu.M.
4	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 (S- S.S.R. I.No. 25.11, P.No. 133)					
	FOR COLUMN FOOTING,	32	1.50	1.80	0.600	51.840
	FOR PLATFORM	12	1.50	1.50	0.450	12.150
		TOTAL QUANTITY				
						Cu.M.
5	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap /granite/quartzite/gneiss metal for R.C.C.columns as per detailed designs and drawing or as (S- S.S.R. I.No. 25.31, P.No. 134)					
	FOR COLUMN FOOTING TO PLINTH	32	0.46	0.50	3.000	22.080
	FOR PLATFORM	12	0.23	0.30	3.000	2.484
	FOR COLUMN ABOVE PLINTH	32	0.23	0.50	3.400	12.512
		TOTAL QUANTITY				
						Cu.M.
6	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and					

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
	(S- S.S.R. I.No. 25.50, P.No. 135)					
	GROUND LEVEL					
	LONG WALL	20	3.97	0.23	0.500	9.131
	LONG WALL	2	3.60	0.23	0.50	0.828
	SHORT WALL	10	3.60	0.23	0.500	4.140
	PLINTH LEVEL					
	LONG WALL	20	3.97	0.23	0.500	9.131
	LONG WALL	2	3.60	0.23	0.500	0.828
	SHORT WALL	10	3.60	0.23	0.500	4.140
	ADD FOR LINTEL LEVEL					
	LONG WALL	20	3.97	0.23	0.150	2.739
	LONG WALL	2	3.60	0.23	0.150	0.248
	SHORT WALL	10	3.60	0.23	0.150	1.242
	ADD TOP BRACING LEVEL					
	LONG WALL	20	3.97	0.23	0.450	8.218
	LONG WALL	2	3.60	0.23	0.450	0.745
	SHORT WALL	10	3.60	0.23	0.450	3.726
		TOTAL QUANTITY				45.116
						Cu.M.
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. PARDI as per detailed design and drawings including (S.S.R. I.No. 26.17, P.No. 137)					
	STEPS SIDE	12	0.15	0.15	2.400	0.648
		TOTAL QUANTITY				0.648
						Cu.M.
8	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/ quartzite/gneiss metal for R.C.C. slab sand landings as per detailed designs and (S.S.R. I.No. 25.70, P.No. 135)					
	GROUND FLOOR					
	RAMP	4	4.970	2.100	0.15	6.262
		2	4.600	2.100	0.15	2.898
		TOTAL QUANTITY				9.160
						Cu.M.
9	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 designs and drawings (S.S.R.I.No. 26.05, P.No. 137)					
	VENTILATOR CHAJJA,	48	1.50	0.60	0.150	6.480
		TOTAL QUANTITY				6.480
						Cu.M.
10	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, (S.S.R. I.No.26.33, P.No. 139)					
	Footing	63.99	cum. @	100.00	kg/cum	6399.000
	Column	37.08	cum. @	150.00	kg/cum	5561.400
	Beam	45.12	cum. @	125.00	kg/cum	5639.500
	Pardi & Chajja	7.13	cum. @	100.00	kg/cum	712.800
	Slab	9.16	cum. @	100.00	kg/cum	916.000
					TOTAL	19228.70
						KG
		TOTAL QUANTITY				19.229
						M.T.

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
11	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer (S.S.R. I.No.21.40 P.No. 118)					
	BELOW FLOORING	1	48.32	20.54	0.150	148.874
		TOTAL QUANTITY				148.874
						CUM
12	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.					

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
	(S.S.R.I.No. 21.37, P.No. 117)					
	BELOW FLOORING	1	48.32	20.54	1.200	1190.991
		TOTAL QUANTITY				1190.991
						Cu.M.
13	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out (S.S.R.I.No. 27.01, P.No.144					
	LONG WALL	20	3.97	0.23	1.200	21.914
		2	3.60	0.23	1.200	1.987
	SHORT WALL	10	3.75	0.23	1.200	10.350
		TOTAL QUANTITY				34.252
						Cu.M.
14	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding (S.S.R.I.No. 27.05, P.No. 144)					
	LONG WALL	20	3.97	0.23	2.950	53.873
		2	3.60	0.23	2.950	4.885
	SHORT WALL	10	3.60	0.23	2.950	24.426
	DEDUCTIONS FOR VENTILATORS	-48	1.50	0.23	0.600	-9.936
	DEDUCTIONS FOR SHUTTER	-4	3.97	0.23	3.060	-11.176
		-2	3.60	0.23	3.060	-5.067
		TOTAL QUANTITY				62.072
						Cu.M.
15	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. (S.S.R.I.No. 32.01, P.No. 153)					
	FOR CHAJJAS	48	1.50	0.60		43.200
		TOTAL QUANTITY				43.200
						Sq.M.
16	Providing internal cement plaster 20 mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and (S.S.R. I. No. 32.03 P. No. 153)					
	LONG WALL	2	48.32		3.400	328.576
	SHIRT WALL	2	20.54		3.400	139.672
	DEDUCTIONS FOR VENTILATOR	-48	1.50		0.600	-43.200
	DEDUCTIONS FOR SHUTTER	-4	3.97		3.060	-48.593
		-2	3.60		3.060	-22.032
		TOTAL QUANTITY				354.423
						Sq.M.
17	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 (S.S.R. I. No. 32.11 P. 153)					
	LONG WALL	2	48.78		3.400	331.704
	SHIRT WALL	2	21.00		3.400	142.800
	DEDUCTIONS FOR VENTILATORS	-48	1.50		0.600	-43.200
	DEDUCTIONS FOR SHUTTER	-4	3.97		3.060	-48.593
		-2	3.60		3.060	-22.032
		TOTAL QUANTITY				382.711
						Cu.M.
18	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with					

MEASUREMENT SHEET

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.
	(S.S.R. I. No. 33.30 P. 158)					
	FOR GODOWN,	1	48.32	20.54		992.493
		TOTAL QUANTITY				992.493
						SQM
19	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 (S.S.R. I. No. 32.34 P. 155)					
	GROUND FLOOR	QTY AS PER 6 MM & 20 MM PLASTER				397.623
		TOTAL QUANTITY				397.623
						Sq.M.
20	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coat including scaffolding, preparing the surfaces. (S.S.R.I.No. 36.11, P. No. 167)					
		QTY AS PER 6 MM & 20 MM PLASTER				397.623
		TOTAL QUANTITY				397.623
						SQ.M.
21	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the (S.S.R.I.No. 35.26, P. No. 165)					
		QTY AS PER 6 MM & 12 MM PLASTER				382.711
		TOTAL QUANTITY				382.711
						Sq.M.
22	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half (S.S.R. I.No. 42.10, P.No. 200)					
		4				4.000
		TOTAL QUANTITY				4.000
						NOS.
23	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases. with rounded nosing for (S.S.R. I.No.33.18 P. No. 157)					
	BELOW STAIRS	16	4.97	0.30		23.856
		16	4.97		0.150	11.928
		8	4.60	0.30		11.040
		8.00	4.60		0.15	5.520
		TOTAL QUANTITY				52.344
						Sq.M.
24	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including (S.S.R. I.No.39.68 P. No. 188)					
	VENTILATOR	48	1.50		0.600	43.200
		TOTAL QUANTITY				43.200
						Sq.M.
25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5 mm angle (S.S.R. I.No. 39.25 P. No. 164)					
	OPENING	4	3.97	3.06		48.593
		2	3.60	3.06		22.032
		TOTAL QUANTITY				70.625
						Sq.M.

MEASUREMENT SHEET							
SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QTY.	
26	Providing and fixing self supporting steel roofing system for a Godown or a like made up of structural grade steel sheet of 912 millimeter width(tolerance+/-2millimeter),moulded (S.S.R. I.No. 38.44 P. No. 231)						
	TURBO VENTILATOR	10				10.000	
		TOTAL QUANTITY				NOS	
27	Providing and fixing 45 cm wide mild steel ladder of 40mmx6mm mild steel flat stringers and steps of 18 mm dia. Mild steel bar for water tank including fixing (S.S.R. I.No. 41.56 P. No. 198)						
	LADDER	10				10.000	
		TOTAL QUANTITY				rmt	
28	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section watering and compacting to not less than 97%of (S.S.R. I.No. 2.26 P. No. 24)						
	AS PER ITEM NO 1 & 2	340.36				340.356	
		TOTAL QUANTITY				CUM	
29	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 (S.S.R. I.No. 21.24 P. No. 117)						
	FOR GODOWN,	1	48.78	21.00		1024.380	
		TOTAL QUANTITY				SQM	
30	ADA compliant modular Multilingual and tactile Emergency evacuation map of each floor indicating the current position of the viewer saving "YOU ARE HERE" of 15 mm height						
	Fire extinguishers	6				6.000	
		TOTAL QUANTITY				NOS	
31	Laboratory test of construction material						
	1) BASIC TEST OF AGGREGATE					0.000	
	a) Water Absorption, Specific Gravity,Impact Value, Crushing Value.	1.00				1.000	
	b) Sieve Analysis.	1.00				1.000	
	c) Abrasion Value.	1.00				1.000	
	d) Flakiness Index & Elongation Index.	1.00				1.000	
	2) BRICKS						
	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1.000				1.000	
	3) CONCRETE						
	a) Compressive Strength OF C.C. Cube (Set of 3 cubes).	1.000				1.000	
	b) Concrete Mix Design (With all Tests on basic materials)	1.000				1.000	
	4) STEEL						
	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Reband Test Proof Stress)	1.000				1.000	
	PART B: PEB WORK						
	1	Above Plinth PEB Structure - providing & erecting PEB structure with zincallume sheets etc.complete.					
FOR WARE HOUSE		1	48.32	20.54		992.493	
		TOTAL QUANTITY				992.493	
						SQM	

**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS
AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
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 & stacking and spreading as directed, dewatering, preparing the (S.S.R. OF 2021-22 I.No. 21.02 P.No. 115)				
	RATE ANALYSIS	233.700	193.00	Cu.M.	45104.00
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring (S.S.R. I.No. 21.06 P.No. 115)				
	RATE ANALYSIS	106.656	212.00	Cu.M.	22611.00
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork (S. e-S.S.R. I.No. 24.01 P.No. 131				
	RATE ANALYSIS	173.558	6913.16	Cu.M.	1199834.00
4	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 (S- S.S.R. I.No. 25.11, P.No. 133)				
	RATE ANALYSIS	63.990	7863.51	Cu.M.	503186.00
5	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap /granite/quartzite/gneiss metal for R.C.C.columns as per detailed designs and drawing or as directed including (S- S.S.R. I.No. 25.31, P.No. 134)				
	RATE ANALYSIS	37.076	14241.19	Cu.M.	528006.00
6	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed (S- S.S.R. I.No. 25.50, P.No. 135)				
	RATE ANALYSIS	45.116	13002.58	Cu.M.	586624.00
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. PARDI as per detailed design and drawings including (S.S.R. I.No. 26.17, P.No. 137)				
	RATE ANALYSIS	0.648	16211.58	Cu.M.	10505.00
8	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/ quartzite/gneiss metal for R.C.C. slab sand landings as per detailed designs and drawings including centering,formwork, cover blocks, laying/pumping, (S.S.R. I.No. 25.70, P.No. 135)				
	RATE ANALYSIS	9.160	15462.58	Cu.M.	141637.00
9	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 designs and drawings including centering,formwork,cover blocks, compacting (S.S.R.I.No. 26.05, P.No. 137)				
	RATE ANALYSIS	6.480	14630.58	Cu.M.	94806.00
10	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.chaijas, lintels, pardis, copings, fins.arches etc. as per				

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	(S.S.R. I.No.26.33, P.No. 139) RATE ANALYSIS	19.229	72223.54	Cu.M.	1388786.0
11	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in (S.S.R. I.No.21.40 P.No. 118) RATE ANALYSIS	148.874	1677.50	CUM	249736.00
12	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. Complete (Spec.No.Bd.A.11 page No.263) (S.S.R.I.No. 21.37, P.No. 117) RATE ANALYSIS	1190.991	927.69	Cu.M.	1104870.00
13	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually striking joints on unexposed faces raking out joints (S.S.R.I.No. 27.01, P.No.144) RATE ANALYSIS	34.252	8949.53	Cu.M.	306539.00
14	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete. (Spec.No.Bd.G.5 page No.315) (S.S.R.I.No. 27.05, P.No. 144) RATE ANALYSIS	62.072	9176.54	Cu.M.	569606.00
15	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. <u>Spe. No. :Bd.L.1 Page</u> As Directed By Engineer Incharge (S.S.R.I.No. 32.01, P.No. 153) RATE ANALYSIS	43.200	238.45	Sq.M.	10301.00
16	Providing internal cement plaster 20 mm 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. complete. Spe. No. :Bd. L.2 Page No. 368 (S.S.R. I. No. 32.03 P. No. 153) RATE ANALYSIS	354.423	406.45	Sq.M.	144055.00
17	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 (S.S.R. I. No. 32.11 P. 153) RATE ANALYSIS	382.711	646.45	Sq.M.	247404.00
18	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete (S.S.R. I. No. 33.30 P. 158) RATE ANALYSIS	992.493	804.04	Sq.M.	798004.00
19	Providing and applying white-wash in two coats on old/new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete. (S.S.R. I. No. 32.34 P. 155) RATE ANALYSIS	397.623	11.00	Sq.M.	4374.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
20	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coat including scaffolding, preparing the surfaces. (excluding the primer coat) etc. complete Spec. No. :Bd. P.5 (S.S.R.I.No. 36.11, P. No. 167)				
	RATE ANALYSIS	397.623	43.00	Sq.M.	17098.00
21	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster (S.S.R.I.No. 35.26, P. No. 165)				
	RATE ANALYSIS	382.711	238.00	Sq.M.	91085.00
22	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half As directed by Engineer in charge. (S.S.R. I.No. 42.10, P.No. 200)				
	RATE ANALYSIS	4.000	13568.37	Sq.M.	54273.00
23	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases with rounded nosing for the (S.S.R. I.No.33.18 P. No. 157)				
	RATE ANALYSIS	52.344	1569.51	Sq.M.	82154.00
24	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type. 5 mm (S.S.R. I.No.39.68 P. No. 188)				
	RATE ANALYSIS	43.200	3107.00	Sq.M.	134222.00
25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5 mm angle section fitted (S.S.R. I.No. 39.25 P. No. 164)				
	RATE ANALYSIS	70.625	4730.00	Sq.M.	334056.00
26	Providing and fixing self supporting steel roofing system for a Godown or a like made up of structural grade steel sheet of 912 millimeter width(tolerance+/-2millimeter),moulded at site using mechanical press dies to the desired curve and shape to (S.S.R. I.No. 38.44 P. No. 231)				
	RATE ANALYSIS	10.000	8680.00	Nos.	86800.00
27	Providing and fixing 45 cm wide mild steel ladder of 40mmx6mm mild steel flat stringers and steps of 18 mm dia. Mild steel bar for water tank including fixing itin(1:2:4)M-15 (S.S.R. I.No. 41.56 P. No. 198)				
	RATE ANALYSIS	7.000	1151.00	RMT	8057.00
28	Conveying materials obtained from excavation including all lifts,laying in layers of 20cm. to 30cm.breaking clods,dressing to the required lines,curves,grades and section,watering and compacting to not less than 97%of standard proctor density for a lead of 300m to500m inclusive from the site of (S.S.R. I.No. 2.26 P. No. 24)				
	RATE ANALYSIS	340.356	359.00	cum	122188.00
29	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per square metre of surface area covering ten (S.S.R. I.No. 21.24 P. No. 117)				
	RATE ANALYSIS	1024.380	94.00	sqm	96292.00

ABSTRACT SHEET

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
30	ADA compliant modular Multilingual and tactile Emergency evacuation map of each floor indicating the current position of the viewer saying "YOU ARE HERE" of 15 mm height letter size red with white background Kilogram round, indicating the emergency exits, locations of fire extinguishers etc. Signs shall have a (S.S.R. I.No. 51.74 P. No. 261)				
	RATE ANALYSIS	6.000	19750.00	Nos.	118500.00
			TOTAL Rs.		9100713
31	Laboratory test of construction material				
	1) BASIC TEST OF AGGREGATE				
	a) Water Absorption, Specific Gravity, Impact Value, Crushing Value.	1.00	2600.00	Nos.	2600.00
	b) Sieve Analysis.	1.00	690.00	Nos.	690.00
	c) Abrasion Value.	1.00	1170.00	Nos.	1170.00
	d) Flakiness Index & Elongation Index.	1.00	850.00	Nos.	850.00
	2) BRICKS				
	Water Absorption (Set of 5 Bricks), Compressive Strength (Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1.000	2175.00	Nos.	2175.00
	3) CONCRETE				
	a) Compressive Strength OF C.C. Cube (Set of 3 cubes).	1.000	690.00	Nos.	690.00
	b) Concrete Mix Design (With all Tests on basic materials)	1.000	13755.00	Nos.	13755.00
	4) STEEL				
	Steel bar testing upto 16 mm (set of 3 bars)(Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	1.000	1275.00	Nos.	1275.00
			TOTAL Rs.		23205.00
PART B: PEB WORK					
1	Above Plinth PEB Structure - providing & erecting PEB structure with zincalume sheets etc.complete.				
	RATE ANALYSIS	992.493	5000.00	SQM	4962464.00

NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
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 & stacking and spreading as directed, dewatering, preparing the bed for the foundation and (S.S.R. OF 2021-22 I.No. 21.02 P.No. 115)			193.00
	TOTAL RATE Rs.			193.00 PerCu.M.
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete (S.S.R. I.No. 21.06 P.No. 115)			212.00
	TOTAL RATE Rs.			212.00 PerCu.M.
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting. (S. e-S.S.R. I.No. 24.01 P.No. 131			5538.00
	ADD LEAD CHARGES FOR CEMENT	0.22000	445.54	98.02
	ADD LEAD CHARGES FOR SAND	0.47000	1324.53	622.53
	ADD LEAD CHARGES FOR CR METAL	0.24000	355.50	85.32
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	340.69	238.48
	@ADD DIFF.COST FOR SAND	0.47000	825.00	387.75
	@ADD DIFF.COST FOR 20MM METAL	0.24000	174.00	41.76
	@ADD DIFF.COST FOR 40MM METAL CB	-0.70000	141.00	-98.70
	TOTAL RATE Rs.			6913.16 PerCu.M.
4	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 (S- S.S.R. I.No. 25.11, P.No. 133)			6666.00
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94
	ADD LEAD CHARGES FOR SAND	0.44000	1324.53	582.79
	ADD LEAD CHARGES FOR CR METAL	0.33000	355.50	117.32
	@ADD DIFF.COST FOR SAND	0.44000	825.00	363.00
	@ADD DIFF.COST FOR 20MM METAL	0.22000	174.00	38.28
	@ADD DIFF.COST FOR 12MM METAL	0.11000	174.00	19.14
	@ADD DIFF.COST FOR 40MM METAL CB	-0.56000	141.00	-78.96
TOTAL RATE Rs.			7863.51 PerCu.M.	
5	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap /granite/quartzite/gneiss metal for R.C.C.columns as per detailed designs and drawing or as directed including centering,formwork,cover blocks (S- S.S.R. I.No. 25.31, P.No. 134)			12987.00
	ADD LEAD CHARGES FOR CEMENT	0.30000	445.54	133.66
	ADD LEAD CHARGES FOR SAND	0.44000	1324.53	582.79

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
	ADD LEAD CHARGES FOR CR METAL	0.33000	355.50	117.32	
	@ADD DIFF.COST FOR SAND	0.44000	825.00	363.00	
	@ADD DIFF.COST FOR 20MM METAL	0.22000	174.00	38.28	
	@ADD DIFF.COST FOR 12MM METAL	0.11000	174.00	19.14	
	TOTAL RATE Rs.			14241.19	PerCu.M.
6	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering,formwork,cover blocks,laying/pumping, compaction and roughening the surface if special finish (S- S.S.R. I.No. 25.50, P.No. 135)			11483.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR CR METAL	0.85000	355.50	302.18	
	@ADD DIFF.COST FOR SAND	0.42500	825.00	350.63	
	@ADD DIFF.COST FOR 20MM METAL	0.57000	174.00	99.18	
	@ADD DIFF.COST FOR 12MM METAL	0.28000	174.00	48.72	
	TOTAL RATE Rs.			13002.58	PerCu.M.
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. PARDI as per detailed design and drawings including centering, formwork cover blocks compacting (S.S.R. I.No. 26.17, P.No. 137)			14692.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR CR METAL	0.85000	355.50	302.18	
	@ADD DIFF.COST FOR SAND	0.42500	825.00	350.63	
	@ADD DIFF.COST FOR 20MM METAL	0.57000	174.00	99.18	
	@ADD DIFF.COST FOR 12MM METAL	0.28000	174.00	48.72	
	TOTAL RATE Rs.			16211.58	PerCu.M.
8	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/ quartzite/gneiss metal for R.C.C. slab sand landings as per detailed designs and drawings including centering,formwork, cover blocks, (S.S.R. I.No. 25.70, P.No. 135)			13943.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR CR METAL	0.85000	355.50	302.18	
	@ADD DIFF.COST FOR SAND	0.42500	825.00	350.63	
	@ADD DIFF.COST FOR 20MM METAL	0.57000	174.00	99.18	
	@ADD DIFF.COST FOR 12MM METAL	0.28000	174.00	48.72	
	TOTAL RATE Rs.			15462.58	PerCu.M.
9	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 designs and drawings including centering,formwork,cover blocks, compactings, curing finishing and roughening the (S.S.R.I.No. 26.05, P.No. 137)			13111.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR CR METAL	0.85000	355.50	302.18	

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
	@ADD DIFF.COST FOR SAND	0.42500	825.00	350.63	
	@ADD DIFF.COST FOR 20MM METAL	0.57000	174.00	99.18	
	@ADD DIFF.COST FOR 12MM METAL	0.28000	174.00	48.72	
	TOTAL RATE Rs.			14630.58	PerCu.M.
10	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 (S.S.R. I.No.26.33, P.No. 139)			71778.00	
	ADD LEAD CHARGES FOR STEEL	1.00000	445.54	445.54	
	TOTAL RATE Rs.			72223.54	PerM.T.
11	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crused sand/grit, ramming, watering etc. complete. Spec. no. As directed (S.S.R. I.No.21.40 P.No. 117)			1322.00	
	ADD LEAD CHARGES FOR METAL	1.00000	355.50	355.50	
	TOTAL RATE Rs.			1677.50	PerCU.M.
12	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in lavers of 15 cm to 20 cm including watering (S.S.R.I.No. 21.37, P.No. 117)			550.00	
	ADD LEAD CHARGES FOR MURUM-HARD	1.00000	340.69	340.69	
	ADD DIFF.COST FOR MURUM-HARD	1.00000	37.00	37.00	
	TOTAL RATE Rs.			927.69	PerCu.M.
13	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on unexposed (S.S.R.I.No. 27.01, P.No.144			7343.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR BRICKS	0.47500	812.99	386.17	
	@ADD DIFF.COST FOR SAND	0.32000	825.00	264.00	
	ADD DIFF.COST FOR BRICKS	475.000	0.50	237.50	
	TOTAL RATE Rs.			8949.53	PerCu.M.
14	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete. (Spec.No.Bd.G.5 page No.315) (S.S.R.I.No. 27.05, P.No. 144)			7570.00	
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94	
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93	
	ADD LEAD CHARGES FOR BRICKS	0.47500	812.99	386.17	
	@ADD DIFF.COST FOR SAND	0.32000	825.00	264.00	
	ADD DIFF.COST FOR BRICKS	475.000	0.50	237.50	
	TOTAL RATE Rs.			9176.54	PerCu.M.

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
15	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding				
	(S.S.R.I.No. 32.01, P.No. 153)			191.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	445.54	4.46	
	ADD LEAD CHARGES FOR SAND	0.02000	1324.53	26.49	
	@ADD DIFF.COST FOR SAND	0.02000	825.00	16.50	
	TOTAL RATE Rs.			238.45	PerSq.M.
16	Providing internal cement plaster 20 mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including				
	(S.S.R. I. No. 32.03 P. No. 153)			359.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	445.54	4.46	
	ADD LEAD CHARGES FOR SAND	0.02000	1324.53	26.49	
	@ADD DIFF.COST FOR SAND	0.02000	825.00	16.50	
	TOTAL RATE Rs.			406.45	PerSq.M.
17	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				
	(S.S.R. I. No. 32.11 P. 153)			599.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	445.54	4.46	
	ADD LEAD CHARGES FOR SAND	0.02000	1324.53	26.49	
	@ADD DIFF.COST FOR SAND	0.02000	825.00	16.50	
	TOTAL RATE Rs.			646.45	PerSq.M.
18	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessaryrefilling with bitumen etc. complete.				
	(S.S.R. I. No. 33.30 P. 158)			746.00	
	ADD LEAD CHARGES FOR CEMENT	0.01000	445.54	4.46	
	ADD LEAD CHARGES FOR SAND	0.02000	1324.53	26.49	
	ADD LEAD CHARGES FOR CR METAL	0.02000	355.50	7.11	
	@ADD DIFF.COST FOR SAND	0.02000	825.00	16.50	
	ADD DIFF.COST FOR CR METAL	0.02000	174.00	3.48	
				804.04	PerSq.M.
19	Providing and applying white-wash in two coats on old/new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.				
	(S.S.R. I. No. 32.34 P. 155)			11.00	
	TOTAL RATE Rs.			11.00	PerSq.M.
20	Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in two coat including scaffolding, preparing the surfaces.				
	(S.S.R.I.No. 36.11, P. No. 167)			43.00	
	TOTAL RATE Rs.			43.00	PerSq.M.

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE		
21	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning preparing the plaster surface applying primer coat (S.S.R.I.No. 35.26, P. No. 165)			238.00		
	TOTAL RATE Rs.			238.00	PerSq.M.	
22	Providing & constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels (S.S.R. I.No. 42.10, P.No. 200)			12348.00		
	ADD LEAD CHARGES FOR CEMENT	0.35000	445.54	155.94		
	ADD LEAD CHARGES FOR SAND	0.42500	1324.53	562.93		
	@ADD DIFF.COST FOR SAND	0.32000	825.00	264.00		
	ADD DIFF.COST FOR BRICKS	475.000	0.50	237.50		
	TOTAL RATE Rs.				13568.37	PerSq.M.
23	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. Spec. No. :Bd.M.22 Page No. 390 (S.S.R. I.No.33.18 P. No. 157)			1493.00		
	ADD LEAD CHARGES FOR CEMENT	0.01250	445.54	5.57		
	ADD LEAD CHARGES FOR SAND	0.03300	1324.53	43.71		
	@ADD DIFF.COST FOR SAND	0.03300	825.00	27.23		
	TOTAL RATE Rs.				1569.51	PerSq.M.
	24	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and (S.S.R. I.No.39.68 P. No. 188)			3107.00	
TOTAL RATE Rs.			3107.00	PerSq.M.		
25	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15mm thickness reinforced with 35x35x5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S.channel section of depth and thickness (S.S.R. I.No. 38.05 P. No. 171)			4730.00		
	TOTAL RATE Rs.			4730.00	SQM	
26	Providing and fixing self supporting steel roofing system for a Godown or a like made up of structural grade steel sheet of 912 millimeter width (tolerance +/- 2 millimeter), moulded at site using mechanical press dies to the desired curve and shape to form 605 millimeter (S.S.R. I.No. 38.44 P. No. 231)			8680.00		
	TOTAL RATE Rs.			8680.00	NOS	
27	Providing and fixing 45 cm wide mild steel ladder of 40mmx6mm mild steel flat stringers and steps of 18 mm dia. Mild steel bar for water tank including fixing it is (1:2:4)M 15 cement concrete block 60cm x 20cm (S.S.R. I.No. 41.56 P. No. 198)			1151.00		
	TOTAL RATE Rs.			1151.00	RMT	

RATE ANALYSIS AS PER SSR 2021-22

SR. NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE	
28	Conveying materials obtained from excavation including all lifts, laying in layers of 20cm. to 30cm. breaking clods, dressing to the required lines, curves, grades and				
	(S.S.R. I.No. 2.26 P. No. 24)			359.00	
	TOTAL RATE Rs.				359.00
29	Providing preconstructional antitermite treatment as per I.S.6313(Part-II) by treating the top surface of plinth				
	filling at the rate of 5 litres of emulsion concentrate at			94.00	
	(S.S.R. I.No. 21.24 P. No. 117)			94.00	sqm
TOTAL RATE Rs.				94.00	
30	ADA compliant modular Multilingual and tactile Emergency evacuation map of each floor indicating the current position of the viewer saying "YOU ARE HERE" of 15 mm height letter sin red with white bac Kilogram round, indicating the emergency exits, locations of fire extinguishers etc. Signs shall have a solid header with				
	the text "EVACUATION PLAN" in contrast in copper case			19750.00	
	(S.S.R. I.No. 51.74 P. No. 261)			19750.00	NOS
TOTAL RATE Rs.				19750.00	NOS

**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT
GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**

LEAD CHART (AS PER SSR-2021-22)

SR. NO.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES	INITIAL LEAD CHARGES	NET LEAD CHARGES.
1	CEMENT	MANUAL	AMBAJOGAI	35.00	445.54	0.00	445.54
2	SAND	MACHINE	GANGAKHED	100.00	1324.53	0.00	1324.53
3	CR METAL	MACHINE	AMBAJOGAI	15.00	355.50	0.00	355.50
4	40MM METAL CB	MACHINE	LOCAL	15.00	340.69	0.00	340.69
5	STEEL	MANUAL	AMBAJOGAI	35.00	445.54	0.00	445.54
6	BRICKS	MANUAL	KEJ	15.00	812.99	0.00	812.99
7	MURUM-HARD	MACHINE	GAIRAN	15.00	340.69	0.00	340.69
8	GRANITE	MANUAL	AMBAJOGAI	35.00	44.55	0.00	44.55

**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS
AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**

DIFF.COST OF MATERIAL

SR. NO.	MATERIAL	RATE AS PER SSR OF 2021-22	MARKET RATE	EXCESS	LESS	REMARKS/ EFFECTIVE DATE
1	SAND	1575.00	2400.00	825.00	0.00	Rate As On
2	20MM METAL	996.00	1170.00	174.00	0.00	Rate As On
3	12MM METAL	996.00	1170.00	174.00	0.00	Rate As On
4	40MM METAL CB	991.00	850.00	0.00	141.00	Rate As On
5	BRICKS	8.00	8.50	0.50	0.00	Rate As On
6	MURUM-HARD	288.00	325.00	37.00	0.00	Rate As On

NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.

ROYALTY STATEMENT

SR. NO.	ITEM OF WORK	EXECUTED QUANTITY	NATURAL SAND		CEMENT IN BAGS		METAL		RUBBLE		MURUM	
			FACTOR	QTY.	FACTOR	QTY.	FACTOR	QTY.	FACTOR	QTY.	FACTOR	QTY.
1	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting.	173.558	0.4700	81.57	4.40	763.66						
2	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.	63.990	0.4250	27.20	7.00	447.93						
3	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap /granite/quartzite/gneiss metal for R.C.C.columns as per detailed designs and	37.076	0.4250	15.76	7.00	259.53						
4	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs	45.116	0.4250	19.17	7.00	315.81						
5	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. PARDI as per detailed design and	0.648	0.4250	0.28	7.00	4.54						
6	Providing and laying Cast in situ /Ready Mix cement concrete M20 of trap/granite/ quartzite/gneiss metal for R.C.C. slab sand landings as per detailed designs and drawings including	9.160	0.4250	3.89	7.00	64.12						
7	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 designs and drawings including centering formwork cover blocks	6.480	0.4250	2.75	7.00	45.36						
8	Providing soling using 80mm. size trap metal in 15cm. layer including filling voids with crushed sand/grit, ramming, watering etc. complete. Spec. no. As directed by Engineer in charge.	148.874					1.16	172.69				
9	Filling in plinth and floors with contractors material/ brought from out side and approved by Engineer incharge in layers of 15 cm to 20 cm including	1190.991									1.000	1190.991
10	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of	34.252	0.3200	10.96	1.58	54.12						
11	Providing masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete. (Spec.No.Bd.G.5 page No.315)	62.072	0.3200	19.86	1.58	98.07						
12	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. Spe. No.	43.200	0.0150	0.65	0.17	7.34						
13	Providing internal cement plaster 20 mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions	354.423	0.0150	5.32	0.17	60.25						
14	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in	382.711	0.0150	5.74	0.22	84.20						
Sub Work II Internal Road												
6	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with	233.00					1.32	307.56				
7	Supplying 80 mm trap stone metal at the road side including conveying & stacking etc.	201.00					1.32	265.32				
8	Supplying 40 mm trap stone metal at the road side including conveying & stacking etc.	134.00					1.32	176.88				
11	Supplying hard murum/ kankar at the road site, including conveying and stacking	85.00							1.20	102.00		
25	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement	9.00			1.70	15.30					1.00	9.00
31	Supplying & spreading Hard murum for cushioning of R C C pipe including watering	14.00							1.20	16.80		
34	Providing earth work in embankment with approved materials obtained from other	638.00							1.20	765.60		
				Total	193.151		2220.229		922.454		884.400	1199.991

SSK AGRO FARMER PRODUCER COMPANY LTD.

AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ, DIST.BEED.

**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH
ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**

Royalty Charges Recovery Statements

Sr. No	Particulars	Required Quantity in Cum	Royalty Factor	Total Rate	Amount
1	SAND	193.15		237.370	45848.18
2	METAL Hand broken	922.45		216.180	199416.07
3	MURUM	1199.99		216.180	259414.05
					504678.31

NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.

S.W. II - INTERNAL ROADS & CROSS DRAINAGE**MEASUREMENT SHEET**

Item Nos	Description of Items	NOS.			LENGTH	BREDTH	DEPTH / HIGHT	TOTAL QUANTITY	UNIT		
	New Road										
	Long Side	1	x	1	X	57.98	X	3.45	X	200.03	
	Long Side	1	x	1	X	57.98	X	4.70	X	272.51	
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including cum dressing section to the required grade, camber and side slopes and conveying the excavated materials outside the complex including all leads & lifts.									cum	
	Road formation-New Road										
	Long Side	1	x	1	X	57.98	X	3.45	X	0.6	120.02
	Long Side	1	x	1	X	57.98	X	4.70	X	0.6	163.50
									Total		283.52
									say		283.52
2	Picking the road surface including sectioning etc. complete (WBM surface.)									sqm	
	Existing road										
	Long Side	0	x	0	X	0.00	X	0.00	X	6	0.00
	Short Side	0	x	0	X	0.00	X	0.00	X	6	0.00
									Total		0.00
									say		0.00
3	Excavation for roadway in hard murum and boulder including dressing section to the cum required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.										
	NEW ROAD										
	Long Side	1	x	1	X	57.98	X	3.45	X	=	
	Short Side	1	x	1	X	57.98	X	4.70	X	=	
								Total		Net	1.00
									Say		1.00
											cum
4	Excavation for roadway in soft rock, including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m. and spreading or stacking									cum	
	Road formation										
	Provision										0.00
								Total		Net	1.00
									Say		1.00
											cum
5	Excavation for roadway in hard rock by controlled blasting including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stocking as directed.									cum	
	Road formation										
	Provision										1.00
								Total		Net	1.00
									Say		1.00
											cum
6	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.									cum	

New Road												
	Long Side	1	x	1	X	57.98	X	3.45		=	200.03	
	Long Side	1	x	1	X	57.98	X	4.70		=	272.51	
									Total	=	472.54	
									Say	=	472.54 Sqm	
16	Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates)											
	Long Side I-J	1	x	1	X	57.98	X	3.45		=	200.03	
	Long Side G-H	1	x	1	X	57.98	X	4.70		=	272.51	
									Total	=	472.54	
									Say	=	472.54 Sqm	
17	Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder @ 1.56 Kg/Sqm transported to site with VTS, laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction but excluding prime / tack and Seal coat. For Bitumen											
	for existing Road & New road	1.00	x	472.54	x					=	472.54	
									Total	=	472.54	
									Say	=	472.54 sqm	
18	9 MM SEAL COAT: Providing and laying of Type A 9 mm premix seal coat with HMP of aproprate capacity crushed stone chiping 6.7 mm size and penetration bitumen of specified grade @ 1.2 kg/Sq.m, preparing existing road surface by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT etc. complete. (VG- 30 bulk bitumen rates are considered to arrive at rates)											
		1.00	x	472.54	x					=	472.54	
									Total	=	472.54	
									Say	=	472.54 sqm	
19	Providing & fixing R. C. C. 1:2:4 guard stones as per type design including painting numbering fixing in std. Size C. C. 1:4:8 block complete.											
	Lumpsum considered										75.00	
									Total		75.00	
									Say		75.00 Nos	
PART II :- CROSS DRAINAGE WORKS												
20	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to adistance 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											
	CD Works	1	x	2	x	10.00	x	1.50	x	0.75	=	22.50
	CD work Head wall	1	x	2	x	2.00	x	0.75	x	0.15	=	0.45
									Total		22.95	
									Say		22.95 cum	
21	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m.) By Mechanical Means											
	C D Works	1	x	2	x	10.00	x	1.50	x	0.15	=	4.50
	App. CD work Head wall	1	x	2	x	2.00	x	0.75	x	0.15	=	0.45
									Total		4.95	
									Say		4.95 cum	
22	Excavation for foundation in Hard murum including removing the excavated material upto a 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 from 1.5 to 3.0m.) By Mechanical Means											
	C D Works	1	x	2	x	10.00	x	1.50	x	0.10	=	3.00
	App. CD work Head wall	1	x	2	x	2.00	x	0.75	x	0.10	=	0.30
									Total		3.30	
									Say		3.30 cum	
23	Excavation for foundation in Hard rock by chiselling, wedging, line drilling, etc. including trimming and levelling the bed, removing theexcavated material upto a distance of 50 metres beyond the building area stacking as directed, dewatering and back filling with available earth/ murum											

										Total		1.00	
										say		1.00	
24	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ 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											cum	
	C D Works	1	x	2	x	10.00	x	1.50		0.10	=	3.00	

	App. C D work Head wall	1	x	2	x	2.00	x	0.75		0.10	=	0.30	
										Total		3.30	
										say		3.30	
25	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on un exposed faces and watering etc.complete.(Crushed sand VSI												cum
	CD Works	2	x	2	x	10.00	x	0.45		0.35	=	6.30	
	App. CD work Head wall	1	x	2	x	2.00	x	0.45		1.20	=	2.16	
										Total		8.46	
										say		8.46	
26	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.												kg
	21 kgs/cum	6		1				210				1260.00	
										Total		1260.00	
										say		1.26	mt
27	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings 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												cum
	slab	1		2		10		1.2		0.3		7.20	
										Total		7.20	
										say		7.20	
28	Providing flush grooved pointing with cement mortar 1:3 for brick work including scaffolding and curing etc. complete.												sqm
		2		2		2				0.65		5.20	
		2		2		2				0.65		5.20	
										Total		5.20	
										say		5.20	
29	Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 600mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.												Rmt
	ISNP III Class Pipe	1		1		10						10.00	
										Total		10.00	
										say		10.00	
30	Supplying & spreading Hard mumrum for cushioning of R C C pipe including watering ramming & leveling etc complete.												
	ISNP III Class Pipe	1		1		10		1.5		0.9		13.50	
										Total		13.50	
										say		13.50	
31	Providing and casting in situ / ready mix PCC M15 grade of trap metal for coping to head walls / parapet including centering, form work, compaction and curing etc. complete. (Crushed sand VSI Grade)												
	App cd work head wall	1		2		2		0.45		0.1		0.18	
	Above C.C. Pipe	1		2		10		1.5		0.15		0.18	
										Total		0.18	
										say		0.18	
32	Providing earth work in embankment with approved materials obtained from departmental land upto lead of 50m. including all lifts,laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller to achieve not less than 97 % of standard proctor density etc. complete. (Material obtained from departmental Land)												cum
	Provision											10.00	
										Total		10.00	
										Say		10.00	cum
33	Providing earth work in embankment with approved materials obtained from other sources upto lead of 50m. including all lifts, laying in layers of 20cm. to 30cm. thickness breaking clods, dressing to the required lines, curves, grades & section, watering and compaction with vibratory roller with V-Satattachment to achieve not less than 97 % of standard proctor density etc. complete (Material obtained from Other sources)												cum
	Road formation New Road												
	Long Side I-J	1	x	1	X	57.98	X	3.45	X	0.30	=	60.01	
	Long Side G-H	1	x	1	X	57.98	X	4.70	X	0.30	=	81.75	
										Net		141.76	
										Say		141.76	cum

SSK AGRO FARMER PRODUCER COMPANY LTD.											
AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ, DIST.BEED.											
NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.											
S.W. II - INTERNAL ROADS & CROSS DRAINAGE											
ABSTRACT SHEET (Based on PWD SSR 2021-22 & Market rates)											
SR. NO.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./ P.N	BASIC RATE	ALL LEAD & ROYALTY	For Scada	TOTAL	Add % Q.C. Charges 0.005	TOTAL OF RATES 6 TO 10	AMOUNT
1	2	3	4	5	6	7	8	9	10	11	12
PART-I : INTERNAL ROADS											
1	Excavation for roadway in earth, soil of all sorts, sand, gravel or soft murum including d	283.52	cum	2.11/23	104.00			104.00		104.00	29486.39
2	Picking the road surface including sectioning etc. complete (WBM surface.)	0.00	Sqm	2.32/25	28.00			28.00		28.00	0.00
3	Excavation for roadway in hard murum and boulder including dressing section to the re	1.00	cum	2.13/23	121.00			121.00		121.00	121.00
4	Excavation for roadway in soft rock, including dressing section to the required grade. c	1.00	cum	2.14/23	157.00			157.00		157.00	157.00
5	Excavation for roadway in hard rock by controlled blasting including dressing section to	1.00	cum	2.15/23	250.00			250.00		250.00	250.00
6	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with	70.88	cum	21.40/118	1322.00			1322.00		1322.00	93704.68
7	Supplying 80 mm trap stone metal at the road side including conveying & stacking etc.	93.56	cum	50.56/250	700			700.00		700.00	65494.04
8	Supplying 40 mm trap stone metal at the road side including conveying & stacking etc.	62.38	cum	50.55/250	780			780.00		780.00	48652.72
9	Spreading 80 mm trap stone metal including sectioning as directed etc. complete.	93.56	cum	50.58/250	85.00			85.00		85.00	7952.85
10	Spreading 40 mm trape stone metal including sectioning as directed etc. complete.	62.38	cum	50.58/250	85.00			85.00		85.00	5301.90
11	Supplying hard murum/ kankar at the road site, including conveying and stacking compl	45.75	cum	2.29a/24	398.00			398.00		398.00	18207.54
12	Spreading hard murum/ soft murrum/ gravel or kankar for side width complete	45.75	cum	2.30/24	74.00			74.00		74.00	3385.32
13	Compacting oversize metal layer with H. M. with power roller including artificial waterin	1417.61	sqm	50.59/250	27.00			27.00		27.00	38275.50
14	Compacting the hard murum side widths including laying in layers on each side with vib	57.98	sqm	2.31/24	19.00			19.00		19.00	1101.62
15	Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road su	472.54	Sqm	RA	223.14			223.14		223.14	105441.91
16	Providing and applying tack coat on the prepared surface heating by fumes in Boiler an	472.54	Sqm	RA	14.73			14.73		14.73	6960.47
17	Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness compose	472.54	sqm	RA	118.82			118.82		118.82	56146.85
18	9 MM SEAL COAT: Providing and laying of Type A 9 mm premix seal coat with HMP of	472.54	sqm	RA	84.32			84.32		84.32	39844.32
19	Providing & fixing R. C. C. 1:2:4 guard stones as per type design including painting num	75.00	Nos	11.27/63	963			963.00		963.00	72225.00
PART II :- CROSS DRAINAGE WORKS											
20	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, includi	22.95	cum	21.02/115	193.00			193.00		193.00	4429.35
21	Excavation for foundation in hard murum including removing the excavated material upt	4.95	cum	21.06/115	212.00			212.00		212.00	1049.40
22	Excavation for foundation in Hard murum including removing the excavated material up	3.30	cum	21.07/115	403.00			403.00		403.00	1329.90
23	Excavation for foundation in Hard rock by chiselling, wedging, line drilling, etc. including	1.00	cum	21.20/116	1223.00			1223.00		1223.00	1223.00
24	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ qu	3.30	cum	24.01/131	5538		-120.00	5418.00		5418.00	17879.40
25	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in ceme	8.46	cum	28.01/146	4757.00			4757.00		4757.00	40244.22
26	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters f	1.26	MT	26.33/139	71778.00			71778.00		71778.00	90440.28
27	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite / qua	7.20	cum	25.50/135	11483.00		-120.00	11363.00		11363.00	81813.60
28	Providing flush grooved pointing with cement mortar 1:3 for brick work including scaffol	5.20	sqm	32.17/153	172.00			172.00		172.00	894.40
29	Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 600mm diame	10.00	Rmt	11.09/62	2678			2678.00		2678.00	26780.00
30	Supplying & spreading Hard murum for cushioning of R C C pipe including watering r	13.50	cu m	2.27/24	201.00			201.00		201.00	2713.50
31	Providing and casting in situ / ready mix PCC M15 grade of trap metal for coping to hea	0.18	cu m	11.30/63	9276.00			9276.00		9276.00	1669.68
32	Providing earth work in embankment with approved materials obtained from departmen	10.00	cum	2.27/24	201.00			201.00		201.00	2010.00
33	Providing earth work in embankment with approved materials obtained from other sourc	141.76	cum	2.28/24	546.00			546.00		546.00	77401.51
34	Conveying materials obtained from road cutting including all lifts, laying in layers of 20c	10.00	cum	2.25/24	177.00			177.00		177.00	1770.00
35	Conveying the materials obtained from excavation including all lifts, laying in layers, bre	283.52	cum	5km/lead	220.06			220.06		220.06	62392.07
TOTAL											1006749.42

SSK AGRO FARMER PRODUCER COMPANY LTD.**AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ, DIST.BEED.**NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190,
YUSUF WADGAON, TQ. KAIJ , DIST.BEED.**S.W. III - Electrification OF 1/2020 MT W.H.****MEASUREMENT SHEET**

SR. NO.	Description of Items	NO.		LENGTH	BREDTH	DEPTH		TOTAL	UNIT		
1	Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU For WH 2020 MT	1	X	1	X	30	X	1	X	1 = 30.00	Running Meter
								Total		30.00	
								Say		30.00	
2	Making trench of suitable width and depth in hard murum / tar road for laying provided LT cable up to and including 16 sq. mm complete as per specification no. CW-EXNCTR For WH 2020 MT	1	X	1	X	30	X	1	X	1 = 30.00	Running Meter
								Total		30.00	
								SAY		30.00	
3	Making trench of suitable width and depth in soft soil for laying provided LT cable up to and including 16 sq.mm complete as per specification no. CW-EXN-CTR For WH 2020 MT	1	X	1	X	10	X	1	X	1 = 10.00	Running Meter
								Total		10.00	
								Say		10.00	
4	Supplying & erecting mains PVC unarmoured cable 1100Volt grade ISI mark 3 core / 2.5 sqmm stranded / solid copper complete erected on wall with duly painted G. I. Saddle @ 0.25 m C/C & rigidly grouted in the wall with the help of plated screws. For WH 2020 MT	1	X	130	X	1	X	1	X	1 = 130.00	Running Meter
								Total		130.00	
								Say		130.00	
5	Supplying & erecting weatherproof powder coated distribution board 4 way with 2 x 6/10 Amp S. P. M. C. B. with industrial two pin plug socket 10 A and 3 pin plug top 10 A with top cover necessary connection etc complete with approved make. For WH 2020 MT	2	X	6	X	1	X	1	X	1 = 12.00	Number
								Total		12.00	
								Say		12.00	
6	Providing point wiring for street light with PVC unarmoured cable 1100Volt grade ISI mark 3 core 1.5 sqmm stranded / solid copper erected on wall with G. I. Saddle duly painted @ 0,25 m C/C rigidly grouted in the wall with the help of plated screw including 4" x 4" M. S. box 2 way with epoxy For WH 2020 MT	2	X	5	X	1	X	1	X	1 = 10.00	Number
								Total		10.00	
								Say		10.00	
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base. For WH 2020 MT	2	X	4	X	1	X	1	X	1 = 8.00	Number
								Total		8.00	
								Say		8.00	
8	Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS For WH 2020 MT	2	X	4	X	1	X	1	X	1 = 8.00	Number
								Total		8.00	
								Say		8.00	
9	Supplying and erecting street light Wall bracket made from 40 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB For WH 2020 MT	1	X	1	X	1	X	1	X	1 = 1.00	Number
								Total		1.00	
								SAY		1.00	

10	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	Number
	For WH 2020 MT	
	1 X 1 X 1 X 1 X	
		1 = 1.00
		Total = 1.00
		SAY = 1.00

11	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP													
	For WH 2020 MT	1	X	1	X	1	X	1	X	1	=	1.00		
											Total	=	1.00	
											SAY	=	1.00	
12	Supplying, erecting & marking DPMCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification no. SW-SWR/MCB													
	For WH 2020 MT	1	X	1	X	1	X	1	X	1	=	1.00		
											Total	=	1.00	
											SAY	=	1.00	
13	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB													
	For WH 2020 MT	1	X	1	X	1	X	1	X	1	=	1.00		
											Total	=	1.00	
											SAY	=	1.00	
14	Supplying and erecting GI sheet 1.6 mm (16 SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead													Square Meter
	For WH 2020 MT	1	X	1	X	1	X	1	X	1	=	1.00		
											Total	=	1.00	
											SAY	=	1.00	
15	Supplying and erecting marine plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners, supports, nut bolts etc. complete.													Square Meter
	For WH 2020 MT	1	X	1	X	1	X	1	X	1	=	1.00		
											Total	=	1.00	
											SAY	=	1.00	
16	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted													Number
	For WH 2020 MT	1	X	4	X	1	X	1	X	1	=	4.00		
											Total	=	4.00	
											SAY	=	4.00	
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													Running Meter
	For WH 2020 MT	1	X	20	X	1	X	1	X	1	=	20.00		
											Total	=	20.00	
											SAY	=	20.00	
18	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE													Running Meter
	For WH 2020 MT	1	X	12	X	1	X	1	X	1	=	12.00		
											Total	=	12.00	
											SAY	=	12.00	
19	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.													Running Meter
	For WH 2020 MT	2	X	12	X	1	X	1	X	1	=	24.00		
											Total	=	24.00	
											SAY	=	24.00	
20	Supplying & erecting 18 guage M.S. Box powder coated (4"x4") 3 way for mains													Number
	For WH 2020 MT	1	X	4	X	2	X	1	X	1	=	8.00		
											Total	=	8.00	
											SAY	=	8.00	
21	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq. mm. /2 to 4 core 10 sq. mm. for XLPE armoured cable as per specification No. CB-GL													Number
	For WH 2020 MT	1	X	3	X	2	X	1	X	1	=	6.00		
											Total	=	6.00	
											SAY	=	6.00	
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core PVC flexible cord with hand shield type 3 pin 6 Amp. Plug top.													
	For WH 2020 MT	1	X	3	X	2	X	1	X	1	=	6.00		
											Total	=	6.00	
											SAY	=	6.00	
23	Point wiring for independent plug in 20 mm ISI marked HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW													
	For WH 2020 MT	1	X	3	X	2	X	1	X	1	=	6.00		

Total = 6.00
SAY = 6.00

For WH 2160 MT

1	X	1	X	1	X	1	X	1	=	1.00	
									Total	=	1.00
									SAY	=	1.00

SSK AGRO FARMER PRODUCER COMPANY LTD.

AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ, DIST.BEED.

NAME OF WORK :- CONSTRUCTION OF 1/2020 MT CAP. WH BLDG WITH ANCILLARY WORKS AT GAT NO.- 190, YUSUF WADGAON, TQ. KAIJ , DIST.BEED.

S.W.III - Electrification OF W.H. 1/2020 MT

Abstract Sheet (Based on PWD Electrical CSR 2021-22 & Market rates)

I.N.	DESCRIPTION OF ITEM	QUANTITY	UNIT	I.N./P.N.	RATE		Add 5% other than Dist.Place		Total of 6+7		AMOUNT	
					Rs.	Ps.	Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
1	2	3	4	5	6	7	8	9				
1	Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs on wall/trusses/pole or laid in	30.00	Running Meter	7-2-16/129	283.00	14.15	297.15	8914.50				
2	Making trench of suitable width and depth in hard murum / tar road for laying provided LT cable up to and including 16 sq. mm complete as per specification no. CW-FXN-CTR	30.00	Running Meter	16-1-2/239	193.00	9.65	202.65	6079.50				
3	Making trench of suitable width and depth in soft soil for laying provided LT cable up to and including 16 sq. mm complete as per specification no. CW-FXN-CTR	10.00	Running Meter	16-1-1/239	156.00	7.80	163.80	1638.00				
4	Supplying & erecting mains PVC unarmoured cable 1100Volt grade ISI mark 3 core / 2.5 sqmm stranded / solid copper	130.00	Running Meter	RA	125.60	6.28	131.88	17144.40				
5	Supplying & erecting weatherproof powder coated distribution board 4 way with 2 x 6/10 Amp S. P. M. C. B with industrial two pin plug socket 10 A and 3	12.00	Number	RA	1290.00	64.50	1354.50	16254.00				
6	Providing point wiring for street light with PVC unarmoured cable 1100Volt grade ISI mark 3 core 1.5 sqmm stranded / solid copper erected on wall with G. I. Saddle duly painted @ 0.25 m C/C rigidly grouted in the wall	10.00	Number	RA	1223.60	61.18	1284.78	12847.80				
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	8.00	Number	2-10-11/42	230.00	11.50	241.50	1932.00				
8	Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No	8.00	Number	2-5-2/34	2009.00	100.45	2109.45	16875.60				
9	Supplying and erecting street light Wall bracket made from 40 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	1.00	Number	2-9-4/38	712.00	35.60	747.60	747.60				
10	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	1.00	Number	9-1-1/159	4238.00	211.90	4449.90	4449.90				
11	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP	1.00	Number	9-1-4/159	1355.00	67.75	1422.75	1422.75				
12	Supplying, erecting & marking DPMCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification no. SW-SWR/MCB	1.00	Number	5-3-6/94	488.00	24.40	512.40	512.40				
13	Supplying, erecting & marking SPMCB 6A to 32A, B-series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB	1.00	Number	5-3-3/94	164.00	8.20	172.20	172.20				
14	Supplying and erecting GI sheet 1.6 mm (16 SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of	1.00	Square Meter	6-1-2/112	2264.00	113.20	2377.20	2377.20				
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,	1.00	Square Meter	6-1-14/113	1342.00	67.10	1409.10	1409.10				
16	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on iron / GI frame	4.00	Number	RA	4732.00	236.60	4968.60	19874.40				
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	20.00	Running Meter	7-6-1/138	196.00	9.80	205.80	4116.00				
18	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	12.00	Running Meter	7-6-2/138	304.00	15.20	319.20	3830.40				
19	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing	24.00	Running Meter	7-6-10/139	227.00	11.35	238.35	5720.40				
20	Supplying & erecting 18 gauge M.S. Box powder coated (4"x4") 3 way for mains connection.	8.00	Number	MR	80.00	4.00	84.00	672.00				
21	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq. mm. /2 to 4 core 10 sq. mm. for XLPE armoured cable as per specification No. CB-GL	6.00	Number	7-7-2/139	58.00	2.90	60.90	365.40				
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core	6.00	Number	RA	1573.00	78.65	1651.65	9909.90				

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	6.00	Number	1-9-8/17	496.00	24.80	520.80	3124.80
24	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6 m in length along with pole cap of 300 mm length and 80 mm dia duly	8.00	Number	RA	466.00	23.30	489.30	3914.40
25	Supplying & erecting mains with 2 x 2.5 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing - capping 20 mm on wall /	8.00	Running Meter	RA	131.00	6.55	137.55	1100.40
26	Supplying & erecting main with 2 x 4.00 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing - capping on wall / ceiling.	8.00	Running Meter	RA	154.00	7.70	161.70	1293.60
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.	10.00	Number	5-1-1/89	177.00	8.85	185.85	1858.50
28	Supplying and erecting double pole metal clad switch with HC type fuse and neutral link 240V, 32A on iron / GI frame as per specification no. SW-SWR/MDP ..	8.00	Number	5-1-3/89	783.00	39.15	822.15	6577.20
29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	8.00	Number	2-10-9/40	125.00	6.25	131.25	1050.00
30	Supplying and erecting T8 Fluorescent tube day light 1200mm 36 W	6.00	Number	2-10-2/40	44.00	2.20	46.20	277.20
31	Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to	8.00	Number	2-10-14/40	626.00	31.30	657.30	5258.40
32	Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-EN/CF	10.00	Square Meter	2-12-2/41	1894.00	94.70	1988.70	19887.00
33	Supplying and fixing wiremesh (Jali) cover suitable for fitting / fan or for any purpose, complete with necessary materials. The jali cover shall be made from good quality	8.00	Number	2-4-10/33	442.00	22.10	464.10	3712.80
34	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden	6.00	Number	2-4-13/33	131.00	6.55	137.55	825.30
35	Supplying and erecting street light Wall bracket made from 25 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	6.00	Number	2-9-3/38	575.00	28.75	603.75	3622.50
36	Supplying & erecting CRCA sheet metal one way enclosures suitable for DP MCB /TP MCB /FP MCB erected on angle	1.00	Number	5-4-23/97	361.00	18.05	379.05	379.05
37	Supplying erecting and marking four pole isolators only switch version of miniature circuit breakers of 40A in provided distribution board complete.	1.00	Number	5-3-24/95	625.00	31.25	656.25	656.25
							Total in Rs.	190802.85