

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING
SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER
COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA &
DIST.NANDED**

ESTIMATE

DIVISION :-
SANCTIONED ESTIMATE :- 4644834
FUND HEAD :-
MAJOR HEAD :-
MINOR HEAD :-
SERVICE HEAD :-
DEPARTMENTAL HEAD :-

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING
SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER
COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA &
DIST.NANDED**

Administrative Approved under

No. Dated Rs. 4,644,834

Technical sanction under

No. Dated Rs. 4,644,834

Estimated prepared by Er. S.B.Allewar

And checked by Er. S.B.Allewar

NAME OF WORK:- CONSTRUCTION OF SHED FOR
CLEANING,GRADING SORTING UNIT 86.68 SQ MT FOR ASAWARI
FARMERS PRODUCER COMPANY LTD GUT NO. 121 ,203 DHANORA
MAKTA TQ.LOHA & DIST.NANDED

RECAPITULATION SHEET

(A) COST OF CIVIL WORK	Rs.	3573888.35
(B) COST OF ELECTRIFICATION	Rs.	120099.00
(C) ROYALTY CHARGES	Rs.	28358.74
(D) MATERIAL TESTING CHARGES	Rs.	69355.00
TOTAL	Rs.	3791701.09
(E) ADD 18% GST	Rs.	682506.20
(F) ADD 0.5% INSURANCE	Rs.	18958.51
(G) ADD CONTIGENCIES 4%	Rs.	151668.04
TOTAL	Rs.	4644833.84

SAY RS. 46.44 LAKHS

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING SORTING
UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER COMPANY LTD GUT NO.
121 ,203 DHANORA MAKTA TQ.LOHA & DIST.NANDED**

ABSTRACT SHEET

SR. NO	S.S.R.I TEM NO.	Description	QUANTITY	Unit	Rate	AMOUNT
1	2.05	Cutting down trees including trunks and branches with girths above 270cm to 450cm and stacking the materials neatly with all lifts and lead of 1000m. as directed and earth filling in the depression/pit if any.	10	Nos.	3217.76	32177.60
2	2.07	Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area .	86.373	Sqm	4.16	359.31
3	21.04	Excavation for foundation in earth, soils of all types, sand,gravel and soft 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 1.5m to 3.0m) By Mechanical Means	40.5	Cum	99.84	4043.52
4	21.07	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 Manual Means	40.5	Cum	430.56	17437.68
5	24.01	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 (Crushed sand VSI Grade)	3.0375	Cum	6086.65	18488.19
6	25.13	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,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 (Crushed sand VSI Grade)	8.1	Cum	7601.93	61575.61

7	25.33	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	15.438	Cum	14549.13	224609.42
8	25.52	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	8.2117125	Cum	12973.53	106534.8747
9	26.07	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	7.245	Cum	14704.09	106531.11
10	25.72	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 if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with	4.9936	Cum	14704.09	73426.33
11	26.33	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, arches, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	10.97	MT	93291.12	1023403.59
12	21.38	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	86.373	Cum	1437.28	124142.19

13	21.37	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.complete.	51.8238	Cum	826.80	42847.92
14	27.01	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.	4.974684	Cum	8680.16	43181.06
15	27.03	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	17.411394	Cum	8429.52	146769.74
16	32.01	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.	148.72	Sqm	333.45	49590.74
17	32.06	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	148.72	Sqm	512.33	76193.78
18	32.11	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	148.72	Sqm	664.56	98833.36
19	33.31	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	86.373	Cum	1546.01	133533.27
20	36.03	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.	148.72	Sqm	12.48	1856.03
21	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	148.72	Sqm	49.92	7424.10
22	35.26	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 ,scaffolding if necessary, and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary	148.72	Sqm	306.80	45627.296

23	39.68	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 thick sheet glass louvers, of approved quality etc. complete.	5.04	Sqm	3605.68	18172.63
24	39.24	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)	30	Sqm	5022.16	150664.8
25	2.26	Conveying materials obtained from road cutting 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. to 500m. inclusive, from the site of excavation to the site of deposition as directed.	86.373	Cum	408.72	35302.37
26	21.24	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 chlorophyrfos per One Square Metre of surface area covering ten years guarantee on bond paper	86.373	Sqm	112.32	9701.42
27	50.6	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete.	86.373	Sqm	38.48	3323.63
28	2.31	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.	86.373	Sqm	21.84	1886.39
29	23.01	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	7.5	MT	105917.76	794383.20
30	38.04	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.).	105	Sqm	904.80	95004.00
31	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	205	Sqm	49.92	10233.60

32	35.14	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.	205	Sqm	81.12	16629.60
		(A) TOTAL				3573888.35
		(B)TOTAL AMOUNT				3573888.352
		Royalty Charges				
		(A)For sand	69.51	Cum	237.37	16498.82
		(B)For all other minerals	216.18	Cum	54.86	11859.92
		(C)TOTAL AMOUNT				28358.74
		TOTAL (A)+(B)+(C)				3602247.09

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING
SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER COMPANY
LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA & DIST.NANDED**

MEASUREMENT SHEET

SR. NO	S.S.R. ITEM NO.	Description	QUANTITY	Unit
1	2.05	Cutting down trees including trunks and branches with girths above 270cm to 450cm and stacking the materials neatly with all lifts and lead of 1000m. as directed and earth filling in the depression/pit if any.		Nos.
		2	2.00	Nos.
		3	3.00	
		5	5.00	
			10.00	Nos.
2	2.07	Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area .		Sqm
		9.14 X 9.45	86.37	Sqm
			0.00	Sqm
			86.37	Sqm
3	21.04	Excavation for foundation in earth, soils of all types, sand,gravel and soft 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 1.5m to 3.0m) By Mechanical Means		Cum
		9 X 1.5 X 1.5 X 2	40.5	Cum
			0	Cum
			40.5	Cum
4	21.07	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 Manual Means		Cum
		9 X 1.5 X 1.5 X 2	40.5	Cum
			0	Cum
			40.5	Cum

5	24.01	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 (Crushed sand VSI Grade)		Cum
		9 X 1.5 X 1.5 X 0.15	3.0375	Cum
			0	Cum
			3.0375	Cum
6	25.13	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,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 (Crushed sand VSI Grade)		Cum
		9 X 1.5 X 1.5 X 0.4	8.1	Cum
			0	Cum
			8.1	Cum
7	25.33	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)		Cum
		22 X 2.2 X 0.6 X 0.45	13.07	Cum
		4 X 2.2 X 0.6 X 0.45	2.37	Cum
			15.44	Cum

8	25.52	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)		Cum
	GB/PB	3X 9.14 X 0.45 X 0.225	2.78	Cum
		3X 9.45 X 0.45 X 0.225	2.87	Cum
	LINTEL BEAM	38 X 0.3 X 0.225	2.57	Cum
			8.21	Cum
9	26.07	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)		Cum
		3 X 3.5 X 2 X 0.115	2.415	Cum
		3 X 3.5 X 2 X 0.115	2.415	Cum
		3 X 3.5 X 2 X 0.115	2.415	Cum
			7.245	Cum
10	25.72	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 if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)		Cum
		9.14X 1.2 X 0.1	1.097	Cum
		9.14 X 1.2 X 0.1	1.097	Cum
		4 X 3.5 X 2 X 0.1	2.800	Cum
			4.994	Cum

11	26.33	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.		MT
		R.C.C FOOTNGS	2.1	MT
		R.C.C. COLUMNS	2.1	MT
		R.C.C. BEAMS	2.07	MT
		R.C.C SLAB	2.4	MT
		R.C.C. CHAJJAS	2.3	MT
			10.97	MT
12	21.38	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.		Cum
		9.14 X 9.45	86.373	Cum
			0	Cum
			86.373	Cum
13	21.37	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.complete.		Cum
		9.14 X 9.45 X 0.6	51.8	Cum
		26 X 1.2 X 1.2 X 0.60	0.0	Cum
			51.8	Cum
14	27.01	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.		Cum
		9.14 X 1.2 X 0.223	2.4	
		9.45 X 1.2 X 0.223	2.5	
			5.0	Cum
15	27.03	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		Cum
		9.14 X 4.2 X 0.223	8.6	Cum
		9.45 X 4.2 X 0.223	8.9	Cum
			17.4	Cum

16	32.01	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.		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	
			148.72	Sqm
17	32.06	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	
			148.72	Sqm
18	32.11	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	Sqm
			148.72	Sqm
19	33.31	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.		Cum
		9.14 X 9.45	86.373	Cum
			0	Cum
			86.373	Cum
20	36.03	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.		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	Sqm
			148.72	Sqm

21	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	Sqm
			148.72	Sqm
22	35.26	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 ,scaffolding if necessary, and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary		Sqm
		2 X9.14X4	73.12	Sqm
		2 X 9.45 X 4	75.6	Sqm
			148.72	Sqm
23	39.68	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 thick sheet glass louvers, of approved quality etc. complete.		Sqm
		5 X 1.2 X 2.1x 0.2	2.52	Sqm
		5 X 1.2 X 2.1x 0.2	2.52	Sqm
			0	Sqm
			5.04	Sqm
24	39.24	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)		Sqm
		6 X 5	30	Sqm
			0	Sqm
			30	Sqm

25	2.26	Conveying materials obtained from road cutting 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. to 500m. inclusive, from the site of excavation to the site of deposition as directed.		Cum
		9.14X 9.45	86.373	Cum
			0	Cum
			86.373	Cum
26	21.24	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 chlorophyrifos per One Square Metre of surface area covering ten years guarantee on bond paper		Sqm
		9.14X 9.45	86.373	Sqm
			0	Sqm
			86.373	Sqm
27	50.6	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete.		Sqm
		9.14X 9.45	86.373	Sqm
			86.373	Sqm
28	2.31	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.		Sqm
		9.14X 9.45	86.373	Sqm
			0	Sqm
			86.373	Sqm
29	23.01	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.		MT
		9.14X 1.2 X 0.1	2.400	MT
		9.14 X 1.2 X 0.1	2.300	MT
		4 X 3.5 X 2 X 0.1	2.800	MT
			7.500	MT
30	38.04	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.).		Sqm
		10 X 10.5	105.000	Sqm
			105.000	Sqm

31	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.		Sqm
		2X10 X 5	100.000	Sqm
		2X 10.5 X 5	105.000	
			205.000	Sqm
32	35.14	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.		Sqm
		2X10 X 5	100.000	Sqm
		2X 10.5 X 5	105.000	
			205.000	Sqm

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING
SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER
COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA &
DIST.NANDED**

RATE ANALYSIS

SR. NO	S.S.R.I TEM NO.	Description of Item	S.S.R. Rate	Unit
1	2.05	Cutting down trees including trunks and branches with girths above 270cm to 450cm and stacking the materials neatly with all lifts and lead of 1000m. as directed and earth filling in the depression/pit if any.	3094.00	Nos.
		4 % Muncipal Council Area Charge	123.76	
		Completed Rate	3217.76	
2	2.07	Clearing grass and removal of rubbish up to a distance of 50 metres outside the periphery of the area .	4.00	Sqm
		4 % Muncipal Council Area Charge	0.16	
		Completed Rate	4.16	Sqm
3	21.04	Excavation for foundation in earth, soils of all types, sand,gravel and soft 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.	96.00	Cum
		4 % Muncipal Council Area Charge	3.84	
		Completed Rate	99.84	Cum
4	21.07	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 Manual Means	414.00	Cum
		4 % Muncipal Council Area Charge	16.56	
		Completed Rate	430.56	Cum

5	24.01	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.	5830.00	Cum
		4 % Muncipal Council Area Charge	233.20	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		SAND Lead Charges (1 x 15.04)	15.04	
		Completed Rate	6086.65	Cum
6	25.13	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering, formwork ,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 (Crushed sand VSI Grade)	7287.00	Cum
		4 % Muncipal Council Area Charge	291.48	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	
		Completed Rate	7601.93	Cum
7	25.33	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with	13967.00	Cum

		4 % Muncipal Council Area Charge	558.68	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	
		Completed Rate	14549.13	Cum
8	25.52	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	12452.00	Cum
		4 % Muncipal Council Area Charge	498.08	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	
		Completed Rate	12973.53	Cum
9	26.07	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	14116.00	Cum
		4 % Muncipal Council Area Charge	564.64	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	

		Completed Rate	14704.09	Cum
10	25.72	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 if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	14116.00	Cum
		4 % Muncipal Council Area Charge	564.64	
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	
		Completed Rate	14704.09	Cum
11	26.33	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	89703.00	MT
		4 % Muncipal Council Area Charge	3588.12	
		Completed Rate	93291.12	MT
12	21.38	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	1382.00	Cum
		4 % Muncipal Council Area Charge	55.28	Cum
		Completed Rate	1437.28	Cum
13	21.37	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.complete.	795.00	Cum
		4 % Muncipal Council Area Charge	31.80	Cum
		Completed Rate	826.80	Cum

14	27.01	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.	7755.00	Cum
		4 % Muncipal Council Area Charge	310.20	
		BRICKS Lead Charges (1.03712 X 475)	492.63	
		CEMENT Lead Charges (0.079 x 150.41)	11.88	
		CRUSHED SAND Lead Charges (0.32 x 345.15)	110.45	
		Completed Rate	8680.16	Cum
15	27.03	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	7514.00	Cum
		4 % Muncipal Council Area Charge	300.56	
		BRICKS Lead Charges (1.03712 X 475)	492.63	
		CEMENT Lead Charges (0.079 x 150.41)	11.88	
		CRUSHED SAND Lead Charges (0.32 x 345.15)	110.45	
		Completed Rate	8429.52	Cum
16	32.01	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.	203.00	Sqm
		4 % Muncipal Council Area Charge	8.12	
		CEMENT Lead Charges (0.079 x 150.41)	11.88	
		CRUSHED SAND Lead Charges (0.32 x 345.15)	110.45	
		Completed Rate	333.45	Sqm
17	32.06	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	375.00	Sqm
		4 % Muncipal Council Area Charge	15.00	
		CEMENT Lead Charges (0.079 x 150.41)	11.88	
		CRUSHED SAND Lead Charges (0.32 x 345.15)	110.45	
		Completed Rate	512.33	Sqm

18	32.11	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogramper cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	639.00	Sqm
		4 % Muncipal Council Area Charge	25.56	
		CEMENT Lead Charges (0.079 x 150.41)	11.88	
		CRUSHED SAND Lead Charges (0.32 x 345.15)	110.45	
		Completed Rate	664.56	Sqm
19	33.31	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.	1464.00	Cum
		4 % Muncipal Council Area Charge	58.56	Cum
		CEMENT Lead Charges(0.01 x 150.41)	1.50	
		CRUSHED SAND Lead Charges (0.02 x 345.15)	6.90	
		AGG Lead Charges (1 x 15.04)	15.04	Cum
		Completed Rate	1546.01	Cum
20	36.03	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.	12.00	Sqm
		4 % Muncipal Council Area Charge	0.48	Sqm
		Completed Rate	12.48	Sqm
21	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	48.00	Sqm
		4 % Muncipal Council Area Charge	1.92	Sqm
		Completed Rate	49.92	Sqm

22	35.26	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 ,scaffolding if necessary, and watering the surface for two days etc complete. NOTE: For Item One Number 15 to 18 prior approval of Superintending Engineer will be necessary	295.00	Sqm
		4 % Muncipal Council Area Charge	11.80	Sqm
		Completed Rate	306.80	Sqm
23	39.68	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 thick sheet glass louvers, of approved quality etc. complete.	3467.00	Sqm
		4 % Muncipal Council Area Charge	138.68	
		ALUMINIUM Lead Charges (1 x 246.55)	246.55	
		Completed Rate	3605.68	Sqm
24	39.24	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (Without mechanical gear)	4829.00	Sqm
		4 % Muncipal Council Area Charge	193.16	
		Completed Rate	5022.16	Sqm
25	2.26	Conveying materials obtained from road cutting 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. to 500m. inclusive, from the site of excavation to the site of deposition as directed.	393.00	Cum

		4 % Muncipal Council Area Charge	15.72	Cum
		Completed Rate	408.72	Cum
26	21.24	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 One Square Metre of surface area covering ten years guarantee on bond paper	108.00	Sqm
		4 % Muncipal Council Area Charge	4.32	
		Completed Rate	112.32	Sqm
27	50.6	Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Vibratory roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete.	37.00	No.
		4 % Muncipal Council Area Charge	1.48	
		Completed Rate	38.48	No.
28	2.31	Compacting the hard murum side widths including laying in layers on each side with vibratory roller including artificial watering etc. complete.	21.00	No.
		4 % Muncipal Council Area Charge	0.84	
		Completed Rate	21.84	
29	23.01	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.	101844	MT
		4 % Muncipal Council Area Charge	4073.76	
		Completed Rate	105917.76	MT
30	38.04	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.).	870	Sqm
		4 % Muncipal Council Area Charge	34.80	
		Completed Rate	904.80	Sqm
31	36.11	Providing and applying washable oil-bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces. (excluding the primer coat.) etc. complete.	48.00	Sqm
		4 % Muncipal Council Area Charge	1.92	
		Completed Rate	49.92	

32	35.14	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.	78.00	Sqm
		4 % Muncipal Council Area Charge	3.12	
		Completed Rate	81.12	Sqm
		Royalty Charges		
		(A)For sand		
		Royalty Charges	211.95	
		Surchagre 2%	4.23	
		Distt, mineral Foundation cess 10%	21.19	
		Completed Rate	237.37	Cum
		(B)For all other minerals		
		Royalty Charges	211.95	
		Surchagre 2%	4.23	
		Completed Rate	216.18	Cum

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING SORTING UNIT 86.68
SQ MT FOR ASAWARI FARMERS PRODUCER COMPANY LTD GUT NO. 121 ,203 DHANORA
MAKTA TQ.LOHA & DIST.NANDED**

Lead Chart

Sr.No	Material	Source	Total Lead in kilometer	lead Charges	Remark
1	Soiling / Rubble	Kandhar	15	393.44	
2	60mm Metal	Kandhar	15	393.44	
3	40mm Metal	Kandhar	15	410.55	
4	Crushed Metal	Kandhar	15	410.55	
5	Cement	Kandhar	12	164.99	
6	Steel	Kandhar	12	164.99	
7	Bricks	Kandhar	12	735.48	
8	Sand	Penur	15	372.03	
9	Murum	Poliswadi	8	252.22	

Certificate

1. Certified that the nearest quarry for materials is considered while framing the estimate.
2. Certified that sufficient materials are available in the quarry
3. Certified that material available in the quarry is of good quality

NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA & DIST.NANDED

ROYALTY STATEMENT

Sr. No	Description of Item	Qty	Metal		Murum		Sand		Unit
			Factor	Amount	Factor	Amount	Factor	Amount	
1	2	3	4	5	6	7	8	9	10
1	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and	3.0375	1	3.0375	0	0	0.47	1.427625	CUM
2	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in	8.1	0	0	0	0	0.425	3.4425	CUM
3	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per	15.438	0	0	0	0	0.425	6.56115	CUM
4	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as	8.211713	0	0	0	0	0.425	3.489978	CUM
5	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and	7.245	0	0	0	0	0.425	3.079125	CUM
6	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	4.9936	0	0	0	0	0.425	2.12228	CUM

7	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm	51.8238	0	0	1	51.8238	0	0	CUM
8	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	22.38608	0	0	0	0	0.25	5.59652	Cum
9	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	148.72	0	0	0	0	0.0076	1.130272	Sqm
10	Providing internal cement plaster 20mm thick in Single coats in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all	148.72	0	0	0	0	0.025	3.718	Sqm
11	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at	148.72	0	0	0	0	0.015	2.2308	Sqm
12	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and	86.373	0	0	0	0	0.425	36.70853	Cum
	TOTAL ROYALTY QUANTITY			3.04		51.82		69.51	

TEST ABSTRACT

Sr. No.	Name of Test	Test	Rate in Rs.	NO OF TEST	TOTAL AMOUNT
1	2	3	4	5	6
	<u>BASIC TEST OF CEMENT.</u>				
1	Standard Consistency, Fineness, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness.	1 Test	3770.00	2	7540
	<u>BASIC TEST OF AGGREGATE.</u>				0
2	Water Absorption, Specific Gravity, Impact Value, Crushing Value.	1 Test	2600.00	1	2600
3	Sieve Analysis.	1 Test	690.00	1	690
4	Abrasion Value.	1 Test	1170.00	1	1170
5	Flakiness Index & Elongation Index.	1 Test	850.00	1	850
6	Stripping Value. (for Bituminous Work)	1 Test	745.00	1	745
7	Soundness.	1 Test	2495.00	1	2495
	<u>MIX DESIGN.</u>				0
8	GSB Mix Design./Cement Treated Sub Base (CTSB)	1 Test	16250.00	1	16250
9	Wet Mix Macadam Mix Design.	1 Test	16250.00	1	16250
	<u>BRICKS</u>				0
13	Water Absorption (Set of 5 Bricks), Compressive Strength(Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	1 Test	2175.00	1	2175
	<u>CONCRETE</u>				0
19	Compressive Strength OF C.C. Cube (Set of 3 cubes).	1 Test	690.00	2.00	1380
	<u>SOIL / MURUM</u>				0
29	Sieve Analysis.	1 Test	690.00	1.00	690
30	Liquid limit & plastic Limit.	1 Test	1170.00	1.00	1170
31	Compaction Test (Proctor Density).	1 Test	1860.00	1.00	1860
32	C.B.R. Test (Lab) With compaction test.	1 Test	6905.00	1.00	6905
33	C.B.R. Test (Field Determination Test) Excluding Transportation.As per IS 2720 Part XXXI	1 Test	2600.00	1.00	2600

	<u>WATER</u>				0
57	PH Value, Sulphate & Chloride Content.	1 Test	1115.00	1.00	1115
	<u>STEEL BAR TESTING</u>				0
72	Upto 16 mm (Set of 3 Bars)	1 Test	1275.00	1.00	1275
73	Above 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress, Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	1 Test	1595.00	1.00	1595
			TOTAL AMOUNT		69355

RATE ANALYSIS. ELECTRICAL	
NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS PRODUCER COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA & DIST.NANDED	
Item No. (4) S/E mains PVC unarmoured cable 3 core 2.5 sq.mm	Rs.
M.R. A) PVC unarmoured cable 3 core 2.5 sq.mm	84.00
M.R. B) G.I. saddle, screw and rawl plug etc.....	12.00
Add 10% C.P.....	9.6
D.S.R. C) Labour charges.....	20.00
Total Rs.	125.60
Item No. (5) S/E weather proof powder coated	
I.N. 5-3-3/96 A) SPMCB 6 Amp.- 1 No. @ Rs.153.75/-	164.00
I.N. 5-4-22/99 B) 1.25 mm CRCA sheet metal enclosure with 10 Amp. 2 pin plug....	765.00
I.N.5-4-23/99 C) CRCA sheet metal one way enclosure..... 1 No.	361.00
Total Rs.	1290.00
Item No. (6) S/E Point wiring for street light	
M.R. A) PVC unarmoured cable 3 core 1.5 sq.mm(13x45)	667.00
M.R. B) M.S. Box epoxy coated (2 way) 4"x4"	70.00
M.R. C) Nylon connector strip 10 Amp.....	10.00
M.R. D) G.I. saddle, screw and rawl plug etc.....	25.00
M.R. E) Flexible cable for street light connection 3 core 1.5 sq.mm (2x45).....	95.00
867.00	
Add 10% C.P.	86.70
M.R. C) Labour charges (20x13)	260.00
Total Rs.	1213.70
Item No. (8) Supplying and erecting LED Street light fitting suitable for 20 to 25W,	
I.N. 2-5-2/35 A) LED street light fitting.- 1 No.	1905.15
I.N. 2-9-4/40 B) Street light bracket 1 No.	671.60

Total Rs.	2576.75
Item No. (15) S/E Triple pole & neutral distribution	
I.N. 5-4-1/98 A) TPN MCB & Newtral Dietribution board 12 ways ... 1 No.	2009.00
I.N. 5-3-15/94 B) TPNMCB 40 A to 63 A 1 No.	977.00
I.N. 5-3-2/94 C) Single pole MCB 6 A to 32 A 12 Nos. @ RS.165/-No.	1857.00 1980.00
Total Rs.	4966.00
Item No. (23) Supplying shockproof type hand lamp	
I.N. 2-2-1/31 A) Shockproof hand lamp 1 No.	164.00
I.N. 2-10-12/40 B) LED lamp 10/12W..... 1 No.	309.00
M.R. C) 3 core 1.50 Sq.mm flexible cord ... 20 Rmt. @ Rs.45/-	900.00
Add 10% C.P. on (C)	90.00
Total Rs.	1463.00
Item No. (26) Providing power point wiring for	
I.N. 1-3-3/5 A) 2x2.5 sq.mm copper wire 2 Rmt. @ Rs.57/-	114.00
I.N. 1-7-12/12 b) Combined switch & socket 13 A 1 No. @ Rs.136	136.00
I.N. 1-2-9/4 E) PVC Casing capping 20 mm 6 Rmt. @ Rs.36.00/-	216.00
Total :	466.00
Item No. (29) S/E main with 2X2.5 sq.mm + 1x1.5 sq.mm	
I.N. 1-3-3/5 A) 2x2.5 sq.mm copper wire @ Rs.57/-	57.00
I.N. 1-3-1/5 B) 2x1.5 sq.mm. copper wire @ Rs.38/-	38.00
I.N. 1-2-9/4 E) PVC Casing capping 20 mm @ Rs.36/-	36.00
Total :	131.00
Item No. (30) S/E main with 2X4.00 sq.mm + 1x1.5 sq.mm	
I.N. 1-3-5/5 A) 2x4.00 sq.mm copper wire @ Rs.78/-	78.00
I.N. 1-3-1/5 B) 1x1.5 sq.mm. copper wire @ Rs.38/-	38.00
I.N. 1-2-10/4 C) PVC Casing capping 25 mm @ Rs.38/-	38.00
Total :	154.00
Item No. (35) Supplying & erecting T8 LED 18W tube light fitting	
I.N. 2-10-14/40 A) T8 LED 18W tube light fitting..... 1 No. @ Rs.626/-	626.00
Total :	626.00

**NAME OF WORK:- CONSTRUCTION OF SHED FOR CLEANING,GRADING SORTING UNIT 86.68 SQ MT FOR ASAWARI FARMERS
PRODUCER COMPANY LTD GUT NO. 121 ,203 DHANORA MAKTA TQ.LOHA & DIST.NANDED**

MEASUREMENT & ABSTRACT SHEET

Sub Work III :- Electrification

Based on PWD Elect. DSR 2022-23 and Market Rate

I.N.	DESCRIPTON OF ITEM	No	L	B	H	QUANTI TY	UNIT	I.N./ P.N	BASIC	R.A.	TOTAL	LESS %	ADD %	TOTAL	AMOUNT	
									RATE		VAT	Other than Dist	Rate			
											0%	0%				
									Rs. Ps							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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/CI					20.00	Rmt	I. No.7-2-16/129	283.00		283.00	0.00	0.00	283.00	5660	
	PVC armoured cables															
	TOTAL					20.00										
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-EXN-CTR					10.00	Rmt	I. No.16-1-2/261	193.00		193.00	0.00	0.00	193.00	1930	
	TOTAL					10.00										
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					10.00	Rmt	I. No.16-1-1/239	162.90		162.90	0.00	0.00	162.90	1629	
	TOTAL					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					80.00	Rmt	RA		125.60	125.60	0.00	0.00	125.60	7536	

