

ESTIMATE

PROJECT FOR

**LAMKANI FARMERS PRODUCERS COMPANY
LIMITED LAMKANI TAL. & DIST. DHULE.**

PROPOSED WORK NAME

**PROPOSED CONSTRUCTION OF SHED FOR
DISTILLATION UNIT IN G.No. 591/1, VILLAGE
LAMKANI TAL. DHULE DIST. DHULE.**

ESTIMATED COST

34,11,213.00

PROJECT AT

**GAT No. 591/1
VILLAGE LAMKANI TAL. & DIST. DHULE.**

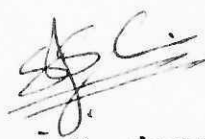
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74°35'32.0"E

Name of Work: PROPOSED CONSTRUCTION OF SHED FOR DISTILLATION UNIT IN
G.No. 591/1, VILLAGE LAMKANI TAL. DHULE DIST. DHULE.

RECAPITULATION SHEET

Cost of Work	Rs. 30,45,726.00
Add 12% For GST	Rs. 3,65,487.00
Total Estimated Cost	Rs. 34,11,213.00
Say Amount	Rs. 34,11,213.00


Chartered Engineer
Er. Sangram S. Limaye
B.E.(Civil),A.M.I.E.;A.I.V
Reg.No.AM097365-6

Lamkani Farmers Producer
Company Ltd.


Director

Name of Work: PROPOSED CONSTRUCTION OF SHED FOR DISTILLATION UNIT IN G.No. 591/1,
VILLAGE LAMKANI TAL. DHULE DIST. DHULE.

ABSTRACT SHEET

SR. NO.	QTY.	DESCRIPTION	RATE	UNIT	AMOUNT
1	36.45	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	193.00	Cubic Metre	7,034.85
2	36.45	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	235.00	Cubic Metre	8,565.75
3	1225.00	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	6.00	Square Metre	7,350.00
4	36.45	Filling in plinth and floors with approved excavated material in 15 cm to 20 cm layers including watering and compaction etc. complete.	113.00	Cubic Metre	4,118.85
5	36.74	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.	550.00	Cubic Metre	20,207.00
6	87.35	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	1,294.00	Cubic Metre	1,13,030.90
7	8.00	Providing structural steel work of rectangular hollow steel section for steel trusses, other similar trussed items like purlin and members with all bracing, gusset plates, Vertical fabricated column etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted/bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete. Spec. No. : As directed by Engineer-in-charge.	1,01,994.00	Metric Tonne	8,15,952.00
8	37.98	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)	5,538.00	Cubic Metre	2,10,333.24

ABSTRACT SHEET

SR. NO.	QTY.	DESCRIPTION	RATE	UNIT	AMOUNT
9	88.22	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	6,800.00	Cubic Metre	5,99,896.00
10	18.23	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	6,666.00	Cubic Metre	1,21,521.18
11	1.62	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel),with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	12,987.00	Cubic Metre	21,038.94
12	13.60	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams & lintel as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks compacting and roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed	11,483.00	Cubic Metre	1,56,168.80

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Name of Work: PROPOSED CONSTRUCTION OF SHED FOR DISTILLATION UNIT IN
G.No. 591/1, VILLAGE LAMKANI TAL. DHULE DIST. DHULE.

MEASUREMENT SHEET

Sr. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means						
	For Footing (Assum 50% Qty. in soil)	18	1.500	1.500	0.900	36.450	Cum.
						<u>36.45</u>	Cum.
2	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.						
	For Footing (Assum 50% Qty. in HM)	18	1.500	1.500	0.900	36.450	Cum.
						<u>36.45</u>	Cum.
3	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.						
		1	35.000	35.000		1225.000	Sqm.
						<u>Net Qty. 1225.000</u>	Sqm.
4	Filling in plinth and floors with approved excavated material in 15 cm to 20 cm layers including watering and compaction etc. complete.						
	Qty. as per I.No.2					36.450	Cum.
						<u>Net Qty. 36.45</u>	Cum.
5	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.						
a	Qty. Of I.No.1					36.45	
b	Qty. Of I.No.2					36.45	
c	Vol. of total Plinth	1	15.250	18.300	0.75	209.31	
	Total Vol. including exca. (a+b+c)				A	<u>282.21</u>	A

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MEASUREMENT SHEET

Sl. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
	I.No.6 Soling					87.35	
	I.No.8 Conc. Floorng					88.22	
	I.No.9 Footing					18.23	
	I.No.10 Column					1.62	
	I.No.11 Beams					13.60	
	Total Unfilled Qty.				B	209.01	B
	Total Filling Required	A - B	282.21	-	209.01	73.192	C
	Available H.M. Qty. by Excava.					36.450	D
		C - D				36.742	
						Net Qty. 36.742	Cum.

6 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.

Below Footing	18	1.500	1.500	0.230	9.315	Cum.
Below Gr.Beam both Sides	12	3.050	0.450	0.230	3.788	Cum.
Front & Back	4	4.580	0.450	0.230	1.896	Cum.
	2	6.110	0.450	0.230	1.265	Cum.
Below flooring	1	15.250	18.300	0.230	64.187	Cum.
For front yard	1	15.000	2.000	0.230	6.900	Cum.
					87.351	Sq.M

7 Providing structural steel work of rectangular hollow steel section for steel trusses, other similar trussed items like purlin and members with all bracing, gusset plates, Vertical fabricated column etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted/bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete.

For Trusses, Purlins, standposts etc.

	8.000	M.T.
Net Qty.	8.000	M.T.

8 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)

Below Footing	18	1.500	1.500	0.100	4.050	Cum.
Below Gr.Beam both Sides	12	3.050	0.450	0.100	1.647	Cum.
Front & Back	4	4.580	0.450	0.100	0.824	Cum.
	2	6.110	0.450	0.100	0.550	Cum.
Below flooring	1	15.250	18.300	0.100	27.908	Cum.
For front yard	1	15.000	2.000	0.100	3.000	Cum.

Net Qty. 37.979 Cum.

Lamkani Farmers Pr. Co.
Company Ltd.

[Signature]

MEASUREMENT SHEET

Sr. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
9	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting, curing, finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)						
	For flooring of structure	1	15.250	18.300	0.300	83.723	Cum.
	For front yard	1	15.000	2.000	0.150	4.500	Cum.
						Net Qty. 88.223	Cum.

- 10 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)

Footing						11.664	Cum.
1st Step	18	1.20	1.20	0.45	0.45	6.561	Cum.
1IInd Step	18	0.90	0.90				
						Net Qty. 18.225	Sq.M.

- 11 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)

Coln. Upto Gr. Level.	18	0.300	0.300	0.670	1.620		Sq.M
						Net Qty. 1.620	Sq.M

MEASUREMENT SHEET

Sr. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
12	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams & lintel as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks compacting and roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)						
	Below Gr.Beam both Sides	12	3.050	0.450	0.450	7.412	Cum.
	Below Gr Beam Front & Back	4	4.580	0.450	0.450	3.710	Cum.
		2	6.110	0.450	0.450	2.475	Cum.
						Net Qty. 13.596	Cum.
13	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						
	Footing	18.225	x	100.000		1822.500	Kg
	Column	1.620	x	100.000		162.000	Kg
	Beam	13.596	x	100.000		1359.585	Kg
						3344.085	Kg
						Net Qty. 3.344	MT
14	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.						
	Gr.Beam to Plinth Top	12	3.050	0.230	0.600	5.051	Cum.
		4	4.580	0.230	0.600	2.528	Cum.
	Front & Back	2	6.110	0.230	0.600	1.686	Cum.
						Net Qty. 9.265	Cum.
15	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 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the						
	Gr.Beam to Plinth Top	12	3.050		0.600	21.960	Sqm.
	Front & Back	4	4.580		0.600	10.992	Sqm.
		2	6.110		0.600	7.332	Sqm.
						Net Qty. 40.284	Sqm.

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MEASUREMENT SHEET

Sl. No.	Description	No	Length	Breadth	Depth	Quantity	Unit
16	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.					40.284	Sqm.
						Net Qty. 40.284	Sqm.
17	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 kg/sq.m.).						
	For Top (includes overlapping)	2	15.850		9.450	299.565	sqm.
	For Sides L/w	2	15.850		7.000	221.900	sqm.
	For Sides S/w	2	9.450		7.000	132.300	sqm.
	Deduct Opening entrance	1	7.000		4.000	-28.000	sqm.
						Net Qty. 625.765	sqm.
18	Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanized iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete. (Weight of 6.8 kg/sq.m.).						
	For Top Ridge & Sides	3	15.850		0.900	42.795	sqm.
						Net Qty. 42.795	sqm.
19	Providing and fixing Turbo Ventilators 24" including all etc. complete.						
		8	1.000			8.000	Nos.
						Net Qty. 8.000	Nos.

Lankani Enterprises (Private) Limited
Company Ltd.

Director *Jh*

USED CONSTRUCTION OF SHED FOR DISTILLATION UNIT, G.No. 591/1, VILLAGE LAMKANI TAL. DHULE DIST. DHULE.
RATE ANALYSIS

Particulars	D.S.R. item no & Page no	Basic rate as per D.S.R. (SSR 2021-22)	Lead Charges	Add 0.75% for VAT (of col 14)	Final Rate (Total 8 to 11)
2.	3	4	10	11	12
Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and	21.02	193.00	0.00	0.00	193.00
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,	21.10	235.00	0.00	0.00	235.00
removing grass, gazer grass and disposing off out of building premises including making lean the ground by shovel and phavaras etc. complete.	21.34	6.00	0.00	0.00	6.00
filling in plinth and floors with approved excavated material in 15 cm to 20 cm layers including watering and compaction etc. complete.	21.36	113.00	0.00	0.00	113.00
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.	21.37	550.00	0.00	0.00	550.00
providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.	21.38	1294.00	0.00	0.00	1294.00
providing structural steel work of rectangular hollow steel section for steel trusses, other similar trussed items like purlin and members with all bracing, gusset plates, Vertical bricated column etc. as per detailed designs and drawings or as directed including	23.11	101994.00	0.00	0.00	101994.00
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	24.01	5538.00	0.00	0.00	5538.00
providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the	26.23	6800.00	0.00	0.00	6800.00
providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for steel work in foundations like raft, strip foundations, grillage and plings of R.C.C. columns and steel stanchions etc. including bailing out water. Steel	25.11	6666.00	0.00	0.00	6666.00
providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction	25.31	12987.00	0.00	0.00	12987.00
providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams & lintel as per detailed designs and drawings or directed including steel centering, formwork, cover blocks compacting and roughening if	25.50	11483.00	0.00	0.00	11483.00

RATE ANALYSIS

Particulars	D.S.R. Item no & Page no	Basic rate as per D.S.R. (SSR 2021-22)	Lead Charges	Add 0.75 % for VAT (of col 14)	Final Rate (Total 2 to 14)
2	3	4	10	11	12
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	26.33	71778.00	0.00	0.00	71778.00
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	27.01	7343.00	0.00	0.00	7343.00
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 1 kg per cement bag curing the same for not less than 2 days and keeping	32.11	599.00	0.00	0.00	599.00
Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, leaning and preparing the surface, watering for two days etc. complete.	35.15	97.00	0.00	0.00	97.00
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 kg/sq.m.).	38.04	816.00	0.00	0.00	816.00
Providing and fixing plain zinc sheeting of 0.80 mm thick (22 B.W.G.) over the ridge hip or valley to galvanised iron sheet roofing including all fastening and bolt galvanised iron screws and bolts, lead and bitumen washers etc. complete. (Weight of 6.8 kg/sq.m.).	38.05	1042.00	0.00	0.00	1042.00
Providing and fixing Turbo Ventilators 24" including all etc. complete.	42/374	8680.00	0.00	0.00	8680.00

Sd/-
 General Manager
 Company Ltd.

