

**Zilla Parishad, Kolhapur
Panchayat Samiti, Karveer**

**Name of Work : PROPOSED SHED BUILDING FOR
KRUSHIUTKARSH AGRO FARMERS PRODUCER
COMPANY LTD., GAT.NO.633, AT-KUSHIRE
TARF THANE, TAL-PANHALA,
DIST-KOLHAPUR.2022/2023**

Estimated Cost Rs. 1,20,74,812.00

E S T I M A T E

DIVISION : Zilla Parishad, Kolhapur
SUB-DIVISION : Panchayat Samiti, Karveer
FUND HEAD :
MAJOR HEAD :
MINOR HEAD :
SERVICE HEAD :
DEPARTMENTAL HEAD :

Estimate framed in the Office of the Executive Engineer(Works), Zilla Parishad, Kolhapur for the probable expenses that will be incurred for the work of PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO FARMERS PRODUCER COMPANY LTD.,GAT.NO.633,AT-KUSHIRE TARF THANE, TAL-PANHALA, DIST-KOLHAPUR.2022/2023

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Rs. 1,20,74,812.00

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Estimate Prepared by : DEPUTY ENGINEER

Estimate Checked by :

Technical Sanction :

Dated : / /

Administrative Approval :

Dated : / /

GENERAL DESCRIPTION

- - - As per separate sheet attached - - -



Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARP THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023

R E C A P I T U L A T I O N - S H E E T

Sub-Estimate No & Name	Amount
1 Sub Estimate - Substructure	Rs. 29,61,120.00
2 Sub Estimate - Superstructure	Rs. 58,52,641.00
3 CEMENT CONCRIT ROAD	Rs. 5,39,845.00
4 Eletrification Charges	Rs. 8,32,312.00
	(B) Rs. 1,01,85,918.00
Add Insurance towards Labour @ 1.00% On (A)	Rs. 93,537.00
Add G.S.T. on Governmental Contract Works @ 18.00% On Rs. 9974204.00	Rs. 17,95,357.00
	Rs. 1,20,74,812.00
	Say Rs. 1,20,74,812.00



Zilla Parishad, Kolhapur

Panchayat Samiti, Karveer

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FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARP THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023

NET WORK PORTION

Total Cost of all Items in the Estimate	1,01,85,918.00
Less Laboratory Testing & Other Charges	55,563.00
Less Royalty Charges	1,56,151.00
NET WORK PORTION OF THE ESTIMATE	(A) 99,74,204.00



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SUB-ESTIMATE NO : 1 - Sub Estimate - Substructure

A B S T R A C T

Quantity	Description	Rate	Unit	Amount
	ITEM NO : 1			
66.400 Cubic Metre	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 metre 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 excetra complete. - (Lift upto 1.5 metre) By Mechanical Means	227.30	One Cubic Metre	15092.72
	SSR 2022-23 I/P 21.02/153	207.00		
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 207.00)	-4.14		
		202.86		
	Add 10.00% For Hilly/Inacce. Area	20.29		
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 207.00)	4.14		
		227.29		
	ITEM NO : 2			
33.200 Cubic Metre	Excavation for foundation in hard murum including removing the excavated material upto a distance of 50 metre 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 excetra complete. (Lift upto 1.5 metre) By Mechanical Means	249.25	One Cubic Metre	8275.10
	SSR 2022-23 I/P 21.06/153	227.00		
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 227.00)	-4.54		
		222.46		
	Add 10.00% For Hilly/Inacce. Area	22.25		
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 227.00)	4.54		
		249.25		
	ITEM NO : 3			
51.830 Cubic Metre	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 and curing, excetra complete, with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed, excetra) (using ARTIFICIAL SAND). Rate as per R. A. No. - 1	6878.15	One Cubic Metre	356494.51
	ITEM NO : 4			
73.360 Cubic Metre	Providing and laying in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in foundations like raft, strip foundations, grillage	8243.05	One Cubic Metre	604710.15



Quantity	Description	Rate	Unit	Amount
		Amount b/f		984572.48
	and footings of reinforced cement concrete columns and steel stanchions, excetra including bailing out water, formwork, cover blocks, compaction, curing and roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel), excetra complete, with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ARTIFICIAL SAND). Rate as per R. A. No. - 2			
4.350	ITEM NO : 5 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for reinforced cement concrete columns as per detailed designs and drawing or as directed, including steel centering, formwork, cover blocks,aying/pumping, compaction, finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing, excetra complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete.with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. * 3	15576.60	One Cubic Metre	67758.21
12.120	ITEM NO : 6 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including centering, formwork, cover blocks, compacting, finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement, including cover block) Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin excetra with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 4	8337.45	One Cubic Metre	101049.89
10.779	ITEM NO : 7 Providing and fixing in position thermo mechanically treated FE-500 steel bar reinforcement of various dias for reinforced cement concrete pile caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardis, copings, fins, arches, excetra as per detailed designs, drawings and schedules including cutting, bndding, hooking the bars, binding with wires or tack welding and supporting as requied complete. (For Ground Floor) Rate as per R. A. No. - 5	98658.90	One Metric Ton	1063444.28
16.160	ITEM NO : 8 Providing second class burnt brick masonry with	9019.40	One Cubic	145753.50



Quantity	Description	Rate	Unit	Amount
		Amount b/f		2362578.36
Metre	cement mortar 1:6 in foundations and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints, on unexposed faces, racking out joints on exposed faces and watering, excetra complete. (using ARTIFICIAL SAND). Rate as per R. A. No. - 6		Metre	
33.200	ITEM NO : 9 Filling in plinth and floors with approved excavated materials in 15 centimetre to 20 centimetre layers including watering and compacting, excetra complete. SSR 2022-23 I/P 21.36/157 120.00 Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 120.00). -2.40 =====	131.75	One Cubic Metre	4374.10
	Add 10.00% For Hilly/Inacce. Area 117.60 Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 120.00) 2.40 =====			131.76
676.960	ITEM NO : 10 Filling in plinth and floors with contractors material / brought from outside and approved by Engineer In-Charge, in 15 centimetre to 20 centimetre layers including watering and compaction, excetra complete. Rate as per R. A. No. - 7	877.70	One Cubic Metre	594167.79
		Say Rs.		29,61,120.25 =====
				29,61,120.00 =====




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TAL-PANHALA, DIST-KOLHAPUR.2022/2023**

SUB-ESTIMATE NO : 1 - Sub Estimate - Substructure

M E A S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1					
Excavation in earth, SM. (Lift 1.5 m) By Mechanical Means					
1	28.0 *	1.550 *	1.700 *	0.900 =	66.402
					66.400 Cubic Metre
ITEM NO : 2					
Excavation in HM. (Lift 1.5 m) By Mechanical Means					
1	28.0 *	1.550 *	1.700 *	0.450 =	33.201
					33.200 Cubic Metre
ITEM NO : 3					
P/L C.C. M-10 for foundation & bedding without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).					
1	28.0 *	1.550 *	1.700 *	0.100 =	7.378
2	1.0 *	42.250 *	21.040 *	0.050 =	44.447
					51.830 Cubic Metre
ITEM NO : 4					
P/L M-20 R.C.C. work in foundations with batch mixer without SCADA. - with natural sand. (using ART. SAND).					
1	10.0 *	1.350 *	1.650 *	0.300 =	6.683
2	10.0 *	1.050 *	1.400 *	0.300 =	4.410
3	18.0 *	1.950 *	2.250 *	0.450 =	35.539
4	18.0 *	1.650 *	2.000 *	0.450 =	26.730
					73.360 Cubic Metre
ITEM NO : 5					
P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).					
1	28.0 *	0.230 *	0.450 *	1.500 =	4.347
					4.350 Cubic Metre
ITEM NO : 6					
P/C M-20 R.C.C. coping with batch mixer without SCADA. with natural sand. (For Ground Floor) (using ART. SAND).					
1	2.0 *	21.500 *	0.230 *	0.450 =	4.451
2	2.0 *	43.350 *	0.230 *	0.450 =	8.973
					Total 13.420



	No.	Length	Breadth	Height	Quantity
3 deduct coloumn area	-28.0 *	0.230 *	0.450 *	0.450 =	-1.304
					12.120 Cubic Metre

ITEM NO : 7

P/F TMT FE-500 bar reinforcement for R.C.C. items. (For Ground Floor)

1 TMT-FE-500 Steel for Item 4 Sub-Est 1	1.0000 *	0.120000 *	73.360	=	8.803
2 TMT-FE-500 Steel for Item 5 Sub-Est 1	1.0000 *	0.120000 *	4.350	=	0.522
3 TMT-FE-500 Steel for Item 6 Sub-Est 1	1.0000 *	0.120000 *	12.120	=	1.454
					10.779 Metric Ton

ITEM NO : 8

IInd class B.B masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).

1	2.0 *	21.500 *	0.230 *	0.600 =	5.934
2	2.0 *	43.350 *	0.230 *	0.600 =	11.965
					Total 17.900
3 deduct coloumn area	-28.0 *	0.230 *	0.450 *	0.600 =	-1.739
					16.160 Cubic Metre

ITEM NO : 9

Filling in plinth & floors with excavated materials.

1 Qty as per Item 2, Sub-Est 1	1.0 *	33.200 *			33.200
					33.200 Cubic Metre

ITEM NO : 10

Filling in plinth & floors with contractors material.

1 main building	1.0 *	42.900 *	21.040 *	0.750 =	676.962
					676.960 Cubic Metre



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SUB-ESTIMATE NO : 2 - Sub Estimate - Superstructure

A B S T R A C T

Quantity	Description	Rate	Unit	Amount
11.340 Cubic Metre	ITEM NO : 1 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete 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 the surface if special finish is to be provided and curing, excetra complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 3	15576.60	One Cubic Metre	176638.64
9.880 Cubic Metre	ITEM NO : 2 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete 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 complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 10	13914.20	One Cubic Metre	137472.30
0.864 Cubic Metre	ITEM NO : 3 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap metal for reinforced cement concrete chajja as per detailed design and drawings including centering, formwork, cover blocks, compacting, finishing 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 Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate of natural sand/V.S.I. quality Artificial Sand (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 16	15740.20	One Cubic Metre	13599.53
2.182 Metric	ITEM NO : 4 Providing and fixing in position thermo mechanically treated FE-500 steel bar reinforcement of various	98658.90	One Metric	215273.72



Quantity	Description	Rate	Unit	Amount
		Amount b/f		542984.19
Ton	dias for reinforced cement concrete pile caps, footings, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardis, copings, fins, arches, excetra as per detailed designs, drawings and schedules including cutting, bendding, hooking the bars, binding with wires or tack welding and supporting as required complete. (For Ground Floor) Rate as per R. A. No. - 5		Ton	
73.380	ITEM NO : 5 Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 superstructure including striking joints, racking out joints, watering and scaffolding, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 23	9281.85	One Cubic Metre	681102.15
10.260	ITEM NO : 6 Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 superstructure including striking joints, racking out joints, watering and scaffolding, excetra complete. (For Ground Floor) (For First Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 24	9361.80	One Cubic Metre	96052.07
10.020	ITEM NO : 7 Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 superstructure including striking joints, racking out joints, watering and scaffolding, excetra complete. (For Ground Floor) (For 2nd Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 25	9441.70	One Cubic Metre	94605.83
9.090	ITEM NO : 8 Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 milimetre diameter / 2 hoop iron strips 25 milimetre X 1.6 milimetre placed at every third course, properly bent and bounded at ends, scaffolding, racking out joints and watering, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 26	1288.20	One Square Metre	11709.74
11.250	ITEM NO : 9 Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 milimetre diameter / 2 hoop iron strips 25 milimetre X 1.6 milimetre placed at every third course, properly bent and bounded at ends, scaffolding, racking out joints and watering, excetra complete. (For Ground Floor) (For First Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 27	1299.40	One Square Metre	14618.25
				1441072.23



Quantity	Description	Rate	Unit	Amount
		Amount b/f		1441072.23
8.740	ITEM NO : 10 Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 milimetre with lock plate of 3.15 milimetre thickness reinforced with 35 milimetre X 35 milimetre X 5 milimetre angle section fitted with sliding bolts and handles for both sides, deep mild steel channel section of depth and thickness not less than 65 milimetre and 3.15 milimetre respectively with hold fast arrangements, mild steel bracket plate 300 milimetre X 300 milimetre X 3.15 milimetre minimum size and shape with square bar, suspension shaft of minimum 32 milimetre diameter, hood cover of mild steel sheet not less than 0.9 milimetre 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, excetra complete. (Indian Standard : 6248-1979) - without mechanical gear (For Ground Floor)	5302.25	One Square Metre	46341.67
	SSR 2022-23 I/P 39.24/248			4829.00
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 4829.00)			-96.58
				=====
				4732.42
	Add 10.00% For Hilly/Inacce. Area			473.24
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 4829.00)			96.58
				=====
				5302.24
55.200	ITEM NO : 11 Providing and fixing mild steel grill work for windows, ventilator, excetra 20 kilogram per square metre as per drawings including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting, excetra complete. (For Ground Floor) Rate as per R. A. No. - 28	2306.10	One Square Metre	127296.72
				=====
				1614710.62
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/f		1614710.62
55.200 Square Metre	<p>ITEM NO : 12</p> <p>Providing and fixing in position (as per Indian Standard : 1868/1982) aluminium sliding window of three tracks with rectangular pipe having overall dimentsions 95 milimetre X 38 milimetre X 0.90 milimetre at weight 0.637 kilogram per running metre and window frame bottom track section 92 milimetre X 31.75 milimetre X 1.30 milimetre at weight 1.070 kilogram per running metre. Top and side track section 92 milimetre X 31.75 milimetre X 1.30 milimetre at weight 0.933 kilogram per running metre. The shutter should be of bearing bottom 40 milimetre X 18 milimetre X 1.25 milimetre at weight 0.417 kilogram per running metre. Interlocking seccion 40 milimetre X 18 milimetre X 1.10 milimetre at weight 0.469 kilogram per running metre and handle section 40 milimetre X 18 milimetre X 1.25 milimetre at weight 0.417 kilogram per running metre and top section 40 milimetre X 18 milimetre X 1.25 milimetre at weight 0.417 kilogram per running metre as per detailed drawing and as directed by Engineer in-charge with all necessary aluminium sections, fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 milimetre thick plain glass and aluminium mosquito net shutter with stainless steel jali with all required screws and nuts excetra complete. - With colour anodising with box. (For Ground Floor)</p> <p>SSR 2022-23 I/P 39.41/253 5502.00</p> <p>Deduct 2.00% for Labour aminitities & Cess (-2.00 / 100 * 5502.00) -110.04</p> <p>=====</p> <p>5391.96</p> <p>Add 10.00% For Hilly/Inacce. Area 539.20</p> <p>Add Back 2.00% for Labour aminitities & Cess (2.00 / 100 * 5502.00) 110.04</p> <p>=====</p> <p>6041.20</p>	6041.20	One Square Metre	333474.24
382.980 Square Metre	<p>ITEM NO : 13</p> <p>Providing internal cement plaster 12 milimetre thick in a single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND).</p> <p>Rate as per R. A. No. - 31</p>	312.30	One Square Metre	119604.65
324.560 Square Metre	<p>ITEM NO : 14</p> <p>Providing internal cement plaster 20 milimetre thick in single coat in cement mortar 1:4 without neeru finish to concrete, brick surface, in all positions including scaffolding and curing, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND).</p> <p>Rate as per R. A. No. - 34</p>	431.10	One Square Metre	139917.82
900.300 Square Metre	<p>ITEM NO : 15</p> <p>Providing and laying machine cut machine polished Kotah stone flooring 25 milimetre to 30 milimetre thick in required width in plain / diamond pattern on bed of 1:6 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND).</p> <p>Rate as per R. A. No. - 42</p>	1379.35	One Square Metre	1241828.81
12.400 Square Metre	<p>ITEM NO : 16</p> <p>Providing and laying ceramic tiles of having sizes 30 centimetre X 45 centimetre and confirming to corrsponding Indian standared for dado and</p>	1440.15	One Square Metre	17857.86



Quantity	Description	Rate	Unit	Amount
		Amount b/f		3467394.00
	skirting in required position with ready made adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white / colour cement slurry, cleanding, curing, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 37			
3.600 Square Metre	ITEM NO : 17 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 milimetre X 38 milimetre X 1.22 milimetre box type, 5 milimetre thick sheet glass louvers of approved quality, excetra complete. (For Ground Floor) SSR 2022-23 I/P 39.68/259 3467.00 Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 3467.00) -69.34 =====	3806.75	One Square Metre	13704.30
	Add 10.00% For Hilly/Inacce. Area 339.77 Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 3467.00) 69.34 =====			
		3806.77		
5.000 Metric Ton	ITEM NO : 18 Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed desings and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making rivetted / bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade, excetra complete. (For First Floor) Rate as per R. A. No. - 41	108481.95	One Metric Ton	542409.75
				=====
				4023508.05
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/f		4023508.05
1379.500	ITEM NO : 19 Providing and fixing of colour coated zinalume (R) AZ 150 (Minimum 150 grams per square metre total on each sides) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 milimetre base metal thickness (BMT) (0.5 milimetre TCT), Hi-strength steel with minium 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55 percent aluminium, 43.4 percent zinc, 1.6 percent silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 milimetre effective cover width and nominal 25-30 milimetre deep ribs with subtle square fluting in the five pan at nominal 180-250 milimetre center to centre. The end rib shall be designed for anti capillary groove and return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, excetra complete. (Weight of profile 4.52 kilogram per square metre). (For First Floor)	1299.70	One Square Metre	1792936.15
	SSR 2022-23 I/P 38.34/236			1173.00
	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 1173.00)			-23.46
				=====
	Add 1.00% For Work Floor No 1			1149.54
	On DSR Rate of Rs. 1173.00			11.73
				=====
	Add 10.00% For Hilly/Inacce. Area			1161.27
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 1173.00)			114.95
				23.46
				=====
				1299.68
				=====
				5816444.20
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/f		5816444.20
43.500	ITEM NO : 20	832.10	One	36196.35
Running	Providing and fixing of colour coated zinalume (R)		Running	
Metre	AZ 150 (Minimum 150 grams per square metre total on each sides) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 milimetre base metal thickness (BMT) (0.5 milimetre TCT), Hi-strength steel with minium 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55 percent aluminium, 43.4 percent zinc, 1.6 percent silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 milimetre effective cover width and nominal 25-30 milimetre deep ribs with subtle square fluting in the five pan at nominal 180-250 milimetre center to centre. The end rib shall be designed for anti capillary groove and return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, excetra complete. (Weight of profile 4.52 kilogram per square metre). - 301 milimetre to 600 milimetre girth (surface width) (For First Floor)		Metre	
	SSR 2022-23 I/P 38.35/237	751.00		
	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 751.00)	-15.02		
		735.98		
	Add 1.00% For Work Floor No 1 On DSR Rate of Rs. 751.00	7.51		
		743.49		
	Add 10.00% For Hilly/Inacce. Area	73.60		
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 751.00)	15.02		
		832.11		
				58,52,640.55
				58,52,641.00

Say Rs.



**Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARS THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023**

SUB-ESTIMATE NO : 2 - Sub Estimate - Superstructure

M E A S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1					
P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).					
1	28.0 *	0.300 *	0.450 *	3.000 =	11.340
					11.340 Cubic Metre
ITEM NO : 2					
P/C M-20 R.C.C. beams & lintels with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).					
1	2.0 *	43.250 *	0.230 *	0.380 =	7.560
2	2.0 *	21.500 *	0.230 *	0.380 =	3.758
			Total		11.320
3 deduct coloumn length	-28.0 *	0.300 *	0.450 *	0.380 =	-1.436
					9.880 Cubic Metre
ITEM NO : 3					
P/C M-20 R.C.C. chajja with batch mixer without SCADA. - with natural sand / V.S.I.quality Artificial Sand. (For Ground Floor) (using ART. SAND).					
1 ABOVE WINDOW 1	16.0 *	1.200 *	0.600 *	0.075 =	0.864
					0.864 Cubic Metre
ITEM NO : 4					
P/F TMT FE-500 bar reinforcement for R.C.C. items. (For Ground Floor)					
1 TMT-FE-500 Steel for Item 1 Sub-Est 2	1.0000 *	0.100000 *	11.340	=	1.134
2 TMT-FE-500 Steel for Item 4 Sub-Est 2	1.0000 *	0.100000 *	9.880	=	0.988
3 TMT-FE-500 Steel for Item 10 Sub-Est 2	1.0000 *	0.070000 *	0.864	=	0.060
2					2.182 Metric Ton
ITEM NO : 5					
IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (using ART. SAND).					
1 l/w	2*42.79*0.23*	3.00		=	59.050
2 s/w	2*21.04*0.23*	3.00		=	29.035
			Total		88.090
3 deduct door/r/s	-1.0 *	3.640 *	0.230 *	2.400 =	-2.009



	No.	Length	Breadth	Height	Quantity
4 deduct window	-16.0 *	2.300 *	0.230 *	1.500 =	-12.696
				Less	-14.710
					73.380
					Cubic Metre

ITEM NO : 6

IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For First Floor)
(using ART. SAND).

1 ABOVE GROUND BEAM C6-C7,	1.0 *	3.820 *	0.230 *	2.830 =	2.486
2 ABOVE GROUND BEAM C19-C20,	1.0 *	3.820 *	0.230 *	2.830 =	2.486
3 ABOVE GROUND BEAM C7-C10,C10-C13,C13-C20,	3.0 *	4.180 *	0.230 *	2.830 =	8.162
				Total	13.130
4 LINTEL C6-C7,	-1.0 *	3.820 *	0.230 *	0.150 =	-0.132
5 LINTEL C19-C20,	-1.0 *	3.820 *	0.230 *	0.150 =	-0.132
6 LINTEL C7-C10,C10-C13,C13-C20,	-3.0 *	4.180 *	0.230 *	0.150 =	-0.433
7 DEDUCT W	-3.0 *	1.800 *	0.230 *	1.500 =	-1.863
8 DEDUCT W1	-1.0 *	0.900 *	0.230 *	1.500 =	-0.311
				Less	-2.870
					10.260
					Cubic Metre



	No.	Length	Breadth	Height	Quantity
ITEM NO : 7					
IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For 2nd Floor) (using ART. SAND).					
1 ABOVE GROUND BEAM C6-C7,	1.0 *	3.820 *	0.230 *	2.830 =	2.486
2 ABOVE GROUND BEAM C19-C20,	2.0 *	3.820 *	0.230 *	2.400 =	4.217
3 ABOVE GROUND BEAM C7-C10,C10-C13,C13-C20,	2.0 *	4.180 *	0.230 *	2.400 =	4.615
4	2.0 *	1.820 *	0.230 *	0.150 =	0.126
			Total		11.440
5 LINTEL C19-C20,	-2.0 *	3.820 *	0.230 *	0.150 =	-0.264
6 LINTEL C7-C10,C10-C13,C13-C20,	-2.0 *	4.180 *	0.230 *	0.150 =	-0.288
7 LINTEL C7-C10,C10-C13,C13-C20,	-2.0 *	1.820 *	0.230 *	0.150 =	-0.126
8 DEDUCT DOOR	-1.0 *	0.900 *	0.230 *	2.100 =	-0.435
9 DEDUCT WINDOW	-1.0 *	0.900 *	0.230 *	1.500 =	-0.311
			Less		-1.420
					10.020 Cubic Metre

ITEM NO : 8
IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (using ART. SAND).

1 W C WALL	2.0 *	1.350 *	---	2.400 =	6.480
2 W C WALL	2.0 *	1.200 *	---	2.400 =	5.760
			Total		12.240
3 DEDUCT DOOR W C	-2.0 *	0.750 *	---	2.100 =	-3.150
					9.090 Square Metre

ITEM NO : 9
IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).

1 W.C.WALL	3.0 *	1.350 *	---	2.400 =	9.720
2 W.C.WALL	2.0 *	1.200 *	---	2.400 =	5.760
			Total		15.480
3 DEDUCT DOOR	-2.0 *	0.750 *	---	2.100 =	-3.150
4 DEDUCT V1	-2.0 *	0.600 *	---	0.900 =	-1.080
			Less		-4.230
					11.250 Square Metre



	No.	Length	Breadth	Height	Quantity
ITEM NO : 10 P/F rolling shutter. - without mechanical gear (For Ground Floor)					
1 R/S	1.0 *	3.640 *	---	*	2.400 = 8.736
					8.740 Square Metre
ITEM NO : 11 P/F M.S. grill work for windows, ventilator etc. 20 Kg/Sqm. (For Ground Floor)					
1	16.0 *	2.300 *	---	*	1.500 = 55.200
					55.200 Square Metre
ITEM NO : 12 P/F aluminium sliding window of 3 tracks. With colour anodising with box. (For Ground Floor)					
1	16.0 *	2.300 *	---	*	1.500 = 55.200
					55.200 Square Metre
ITEM NO : 13 Internal C.P. 12 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).					
1	2.0 *	42.790 *	---	*	3.000 = 256.740
2	2.0 *	21.040 *	---	*	3.000 = 126.240
					382.980 Square Metre
ITEM NO : 14 Internal C.P. 20 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).					
1	2.0 *	43.250 *	---	*	3.000 = 259.500
2	2.0 *	21.500 *	---	*	3.000 = 129.000
					Total 388.500
3 DEDUCT DOOR/ R/S	-1.0 *	3.640 *	---	*	2.400 = -8.736
4 DEDUCT DOOR/ R/S	-16.0 *	2.300 *	---	*	1.500 = -55.200
					Less -63.940
					324.560 Square Metre
ITEM NO : 15 P/L machine cut machine polished Kotah stone flooring 25 to 30 mm th. (For Ground Floor) (using ART. SAND).					
1 W.C.	1.0 *	42.790 *	21.040 *	---	= 900.302
					900.300 Square Metre
ITEM NO : 16 P/L ceramic tiles 30 X 45 cm for dado & skirting. (For Ground Floor) (using ART. SAND).					
1	2.0 *	42.790 *	---	*	0.100 = 8.558
2	2.0 *	21.040 *	---	*	0.100 = 4.208
					Total 12.770



	No.	Length	Breadth	Height	Quantity
3	-1.0 *	3.640 *	---	* 0.100 =	-0.364
					12.400
					Square Metre

ITEM NO : 17

P/F powder coated aluminium louvered windows / ventilator with powder coating. (For Ground Floor)

1	8.0 *	0.600 *	---	* 0.750 =	3.600
					3.600
					Square Metre

ITEM NO : 18

Structural steel work in rolled sections in main & cross beams, hip & jack rafters, purlins connecting to truss members. (For First Floor)

1	5.00				= 5.000
					5.000
					Metric Ton

ITEM NO : 19

P/F of colour coated zinalume (R) AZ 150 (Min 150 Gms/Sqm total on each sides) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 millim base metal thickness (BMT) (0.5 millim TCT), Hi-strength steel with minium 500 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium, 43.4% zinc, 1.6% silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface & nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 millim effective cover width & nominal 25-30 millim deep ribs with subtle square fluting in 5 pan at nominal 180-250 millim center to centre. The end rib shall be designed for anti capillary groove & return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, etc. complete. (Weight of profile 4.52 Kg/Sqm). (For First Floor)

1 FOR ROOF	935.00				= 935.000
2 BOTH SIDE	2.0 *	42.250 *	---	* 3.500 =	295.750
3 BOTH SIDE	2.0 *	21.250 *	---	* 3.500 =	148.750
					1379.500
					Square Metre

ITEM NO : 20

P/F of colour coated zinalume (R) AZ 150 (Min 150 Gms/Sqm total on each sides) profile sheets for roofing. The feed material is manufactured out of nominal 0.45 millim base metal thickness (BMT) (0.5 millim TCT), Hi-strength steel with minium 500 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium, 43.4% zinc, 1.6% silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface & nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 millim effective cover width & nominal 25-30 millim deep ribs with subtle square fluting in 5 pan at nominal 180-250 millim center to centre. The end rib shall be designed for anti capillary groove & return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, etc. complete. (Weight of profile 4.52 Kg/Sqm). - 301 millim to 600 millim girth (surface width) (For First Floor)

1	43.50				= 43.500
					43.500
					Running Metre



**Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARF THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023**

SUB-ESTIMATE NO : 3 - CEMENT CONCRIT ROAD

A B S T R A C T

Quantity	Description	Rate	Unit	Amount
37.800 Cubic Metre	ITEM NO : 1 Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 centimetre to 20 centimetre thick including hand packing and compacting, excetra complete. Rate as per R. A. No. - 43	2120.15	One Cubic Metre	80141.67
30.240 Cubic Metre	ITEM NO : 2 Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, plywood / steel formwork, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing, excetra complete. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin, excetra (Wooden centering will not be allowed.)with fully automatic micro processor based Programmable Logic Controller without Supervisory Control and Data Aquisition enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) excetra complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ARTIFICIAL SAND). Rate as per R. A. No. - 44	7838.95	One Cubic Metre	237049.85
722.320 Cubic Metre	ITEM NO : 3 Royalty charges for various building construction bonafied materials which are used for government bonafied works and for which Royalty charges are to be paid by the contractor. (This Item is to be paid to the contractor only after he pays the Royalty amount to Revenue department and produces the required voucher.) SSR 2022-23 I/P 3/0	216.18	One Cubic Metre	156151.14
1.00 Job	ITEM NO : 4 Laboratory testing charges for various materials required for items of work, on the basis of testing frequency and charges fixed by Vigilence and Quality Control Circle, Pune. SSR 2022-23 I/P 4/0	55563.00	One Job	55563.00
				528905.66



Quantity	Description	Rate	Unit	Amount
		Amount b/f		528905.66
1.000 Number	ITEM NO : 5 Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20 metre X 0.90 metre size made out 18 gauge (1.25 milimetre) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols excetra with approved colour shade paint complete, on M.S. angle of size 35 milimetre X 35 milimetre X 3 milimetre frame with properly cross braced mild steel angles of size 35 milimetre X 35 milimetre X 3 milimetre duly painted including two mild steel angle iron posts of size 65 milimetre X 65 milimetre X 6 milimetre, 3.65 metre long painted with alternate black and white bands of 25 centimetre width including all fixtures excetraand fixing the boards in 1:4:8 concrete block of size 60 centimetre X 60 centimetre X 75 centimetre including, excavation, refilling, transportation, and labour etc complete. Spec. number As directed by Engineer in Charge	10939.35	One Number	10939.35
	SSR 2022-23 I/P 6.36/60			9963.00
	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 9963.00)			-199.26
				=====
	Add 10.00% For Hilly/Inacce. Area			9763.74
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 9963.00)			199.26
				=====
				10939.37

Say Rs. 5,39,845.01
5,39,845.00



Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARP THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023

SUB-ESTIMATE NO : 3 - CEMENT CONCRIT ROAD

M E A S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1 Dry trap rubble stone soiling.					
1	1.0 *	84.000 *	3.000 *	0.150 =	37.800
					37.800 Cubic Metre
ITEM NO : 2 P/C C.C. M-20 for bed / foundation blocks without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).					
1	1.0 *	84.000 *	3.000 *	0.120 =	30.240
					30.240 Cubic Metre
ITEM NO : 3 Royalty charges for various materials.					
1	Qty of Hard murum	676.96*1.000000			= 676.960
2	Qty of Soling stone	37.80*1.000000			= 37.800
3	Qty of Quarry Spaul	37.80*0.200000			= 7.560
					722.320 Cubic Metre
ITEM NO : 4 Laboratory testing charges for various materials required for items of work.					
1	Total Laboratory Testing Charges	1.0 * 55563.00			= 1.000
					1.000 Job
ITEM NO : 5 Providing & fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion & liability period etc', having rectangular shape of 1.20m X 0.90m size made out 18 gauge (1.25mm) thick M.S. sheet painted with 1 coat of Zinc chromate stoving primer & two coats of enamel paint on front side & grey stove enamel on back side & border / messages / symbols etc. with approved colour shade paint complete, on M.S. angle of size 35 X 35 X 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 X 65 X 6 mm, 3.65 m long painted with alternate black & white bands of 25 cm width including all fixtures etc.and fixing boards in 1:4:8 concrete block of size 60 X 60 X 75 cm including, excavation, refilling, transportation, & labour etc complete. Spec. No. As directed by Engineer in Charge					
1		1.0 *			= 1.000
					1.000 Number



Work Abstract

Estimate No. : 8065 of 2022-2023

Name of work : Providing electrification to Shed Building of Mr. Dattatray Shankar Patil at Gat No. 633
Kushire Tarf Thane Taluka Panhala District Kolhapur

Sr.No.	Quantity	Item Description	Rate	Unit	Amount
1	1.000	Supplying and erecting inline D.P. Structure for 11/0.415kV, 63kVA Transformer with RSJ pole 2 nos. of size 100x116mm x 11m long with suitable distribution box of CRCA sheet 16 SWG with 4 pole MCCB 100A as incomer & 6 nos. 63A kitkat/MCCB for outgoing circuits. Transformer D.P. Structure includes the A.B. switch 200A, D.O. fuse set & L.A set. 2 nos. top channel of size 100x50mm for erection of A.B. Switch & 2 nos. base channel of size 100x50mm for erecting Transformer channel of size 75x40mm for erecting D.O. fuse set, L.A. A.B. switch handle etc. Angle of size 50x50x6mm for erecting distribution box, Transformer belt etc as per drawing (min. 124 Kg. iron work) with necessary clamps, Nut-bolts. V cross arm, top clip insulators etc. with caution board & barbed wire D.P. structure shall be erected in c.c. foundation complete.(8-3-18)	134287.65	Each	134287.65
2	1.000	Supplying, installing, testing and commissioning of 3 phase, 11/0.433 kV, 50 Hz., 63 kVA, Mineral oil immersed and naturally cooled outdoor type aluminium wound Non-sealed transformer delta/star connected with additional neutral brought out on load side, temperature rise should not exceed 40° by thermometer in oil and 45° by the resistance method in winding at full load rating using type A winding insulation (kraft paper) with standard accessories complete with test certificate with losses below 340 Watts at 50% load, 1140 Watts at 100% load as per IS:1180 (part 1) : 2014 with necessary permissions of Electrical Inspector as per specification no SS- TR-NSL.(10-1-2)	191531.55	Each	191531.55
3	18.000	Supplying and erecting rolled steel joist (girder pole 125 x 70 mm (13.3 kg/m) with base plate in provided foundation as per specification no OH-PL/RSJ(8-1-10)	1108.80	M.	19958.40
4	2.000	Making cement concrete foundation including excavation (60 x 60 x 150) cm deep in 1:3:6 cement concrete 20 x 25 mm stone metal, (45 x 45 x 45) cm /45 cm dia. x 45 cm height plinth duly plastered, with necessary curing and finishing complete. (above 6 m to 9 m poles)(16-3-3)	2134.65	Each	4269.30
5	0.240	Supplying and erecting all aluminium stranded conductors 7/3.10 mm. complete. (Ant.) (145.0 kg/km) as per specification No OH-CON/AAC(8-4-5)	42014.70	Km	10083.53
6	6.000	Supplying and erecting porcelain pin type insulator with GI pin suitable for 11kV line, complete as per specification no. OH-INS/PN(8-5-9)	297.15	Each	1782.90
7	1.000	Supplying and erecting G.I. stay set for poles including loop insulators at inaccessible height with anchor plate 300x300x6 mm., straining screws, G.I stay wire 7/8 SWG, G.I. stay rod 20mmx1.8m length and pole clamps duly erected in provided cement concrete foundation complete.(8-6-2)	1916.25	Each	1916.25




Estimate No. : 8065 of 2022-2023

Name of work : Providing electrification to Shed Building of Mr. Dattatray Shankar Patil at Gat No. 633
Kushire Tarf Thane Taluka Panhala District Kolhapur

Sr.No.	Quantity	Item Description	Rate	Unit	Amount
8	1.000	Making cement concrete foundation including excavation (60 x 60 x 150) cm deep in 1:3:6 cement concrete, (20 to 25) mm stone metal with necessary curing and finishing complete.(fo stay).(16-3-6)	1584.45	Each	1584.45
9	8.000	Providing pipe type earthing with 40mm. dia. G.I pipe or 20 mm dia. G.I. Rod complete with all materials testing and recording the results as per specification no. EA-EP(9-1-4)	1575.00	Each	12600.00
10	1.000	Providing and erecting 3 Pole MCCB, 415 V, 100A rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-SWR/MCCB(5-5-1)	5574.45	Each	5574.45
11	1.000	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(9-1-1)	4949.70	Each	4949.70
12	5.000	Supplying, erecting and marking FPMCB 6A to 32A, with rated short - circuit breaking capacity (Icn 10kA in provided distribution board as per specification no. SW-SWR/MCB(5-3-12)	1111.95	Each	5559.75
13	5.000	Supplying and erecting CRCA sheet metal one way enclosures of 1.2mm thickness suitable for DF MCB /TP MCB/FP MCB/RCCB/RCBO complete erected on angle iron/GI frame.(5-4-13)	420.00	Each	2100.00
14	50.000	Supplying, erecting & terminating FR XLPE insulated galvanised steel formed wire armoured (strip) cable 1100 V 3½ core 70 sq. mm aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no CB-LT/AL(7-1-18)	518.70	M	25935.00
15	0.360	Supplying and erecting ACSR conductor of size 6/1-3.60 mm complete. (Ferret) (171.3 kg/km) as per specification No. OH-CON/ACSR(8-4-8)	40047.00	Km	14416.92
16	50.000	Supplying, erecting & terminating FR XLPE insulated galvanised steel formed wire armoured (strip) cable 1100 V 3½ core 25 sq. mm aluminium conductor complete erected with glands & lugs on wall/ trusses/pole or laid in provided trench/ pipe as per specification no CB-LT/AL(7-1-15)	254.10	M	12705.00
17	1.000	Supplying and erecting bus bar chamber triple pole with neutral with four aluminium bars 500V 100A having 15mm (Width) X 3 mm (Thickness) with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and Enclosure fabricated with 16 SWG CRCA sheet and epoxy paint with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification no. CP-BB(6-2-1)	6185.55	M	6185.55


Vishwas M. Patil
Tal. Karveer
Dist. Kolhapur

Estimate No. : 8065 of 2022-2023

Name of work : Providing electrification to Shed Building of Mr. Dattatray Shankar Patil at Gat No. 633
Kushire Tarf Thane Taluka Panhala District Kolhapur

Sr.No.	Quantity	Item Description	Rate	Unit	Amount
18	15.000	Supplying and erecting anodized aluminium corrido / passage light LED fitting (4 feet) Max. 22W with high transitivity diffuser with system lumens outpu of Min.2200 lumens min. efficacy of 100 lumen/M CRI>80 CCT upto 6000K Beam Angle of 110 deg Ripple<5% THD<10% p.f. >0.95 operating range of 200-270V surge protection of 2 kV Life class o 50 000 Hrs. at L70B50 including driver with enc caps on provided PVC Block / wooden board with 3 years warranty.(2-1-18)	836.85	Each	12552.75
19	25.000	Point wiring for light/bell/exhaust fan in PVC trunking (casing-capping) with 1.5 sq.mm (2+1E FRLSH grade copper wire modular type switch earthing and required accessories as pe specification No WG-PW/SW(1-7-19)	579.60	Point	14490.00
20	18.000	Supplying and erecting modular type switch 6A 10A duly erected on provided plate and box with wiring connections complete.(1-6-1)	75.60	Each	1360.80
21	18.000	Supplying and erecting modular type 3 pin 6A mult socket with safety shutter duly erected on provided plate and box with wiring connections complete.(1-6-10)	117.60	Each	2116.80
22	6.000	Supplying and erecting PVC Surface modula switch box with double mounting plate for 12 module duly erected.(1-6-32)	360.15	Each	2160.90
23	5.000	Wiring for plug on board with Switch socke surface/concealed type copper wiring and earthing and with modular accessories as per specificatio No WG-PW/CW(1-7-26)	405.30	Point	2026.50
24	100.000	Supplying and erecting mains with 2x1.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any othe places as per specification No WG-MA/BW(1-3-1)	42.00	M	4200.00
25	100.000	Supplying and erecting PVC trunking (PVC casing-n-capping) of size 25 mm with accessories on wall/ceiling as per specification No WG-MA/CON.(1-2-7)	46.20	M	4620.00
26	14.000	Supplying and erecting integrated LED street ligh fitting 60W IP65 & IK08 class having single piece pressure die-cast aluminium housing having system lumens output of Min. 6600 Lumens min efficacy of 110 lumen/W CRI>70 CCT upto 6500K THD<10% p.f. >0.95 operating range of 140-270V inbuilt surge protection of 10 kV Life class of 50 000 Hrs. at L70B50 including driver complete with 3 Years warranty as per specification No FG-ODF/FLS2.(2-4-5)	5218.50	Each	73059.00
27	14.000	Supplying and erecting street light Wall bracke made from 40 mm. dia ' G.I. pipe 1.2 m. in tota length complete as per specification no FG-BKT/WB(2-7-4)	863.10	Each	12083.40
28	14.000	Supplying and erecting FRP box of size 300mm x 200mm x 125 mm 2.7 mm thick complete or pole/wall as per specification No. CB-SB(7-8-10)	825.30	Each	11554.20
29	276.000	Supplying and erecting PVC insulated PVC roun sheathed 4 sq.mm (56 no. x 0.30 mm dia.) 3 core flexible multi stranded copper Industrial cable fo voltage grade up to 1.1 kV(1-3-16)	152.25	M	42021.00

Estimate No. : 8065 of 2022-2023

Name of work : Providing electrification to Shed Building of Mr. Dattatray Shankar Patil at Gat No. 633
Kushire Tarf Thane Taluka Panhala District Kolhapur

Sr.No.	Quantity	Item Description	Rate	Unit	Amount
30	4.000	Supplying and erecting air circulator 600 mm sweep oscillating type wall mounting 1440 RPM without speed regulator overheat protection unit totally enclosed flame proof motor suitable for 230/250 volts single phase 50 cycles A.C. supply core lead wire and with moisture proof treatment to winding and with 'E' class insulation.(2-10-6)	7260.75	Each	29043.00
31	1.000	Supplying and erecting fresh air cum exhaust fan of light duty 250 V A.C. 50 cycles 300mm. 1400 RPM rust proof body & blades wire mesh duly erected complete.(2-10-13)	1661.10	Each	1661.10
32	3.000	Supplying and erecting bracket fan 400 mm. sweep A. C. 230 volts 50 cycles 1350 RPM. Oscillating type plastic or metal blades chrome plated guard with speed regulator and moisture proof treatment to winding and with 'E' class insulation.(2-10-4)	2562.01	Each	7686.03
33	5.000	Supplying and erecting modular type switch 16/ duly erected on provided plate and box with wiring connections complete.(1-6-2)	111.30	Each	556.50
34	5.000	Supplying and erecting modular type 3 pin 6 / 16/ multi socket with safety shutter duly erected on provided plate and box with wiring connections complete.(1-6-11)	168.00	Each	840.00
35	5.000	Supplying and erecting PVC Surface modular switch box with double mounting plate for 3 module duly erected.(1-6-28)	155.40	Each	777.00
36	9.000	Supplying and erecting integrated LED Highbay Fitting 135W IP65 & IK08 class having die cast aluminium housing with polycarbonate diffuser with integrated optics having system lumens output of Min. 20000 Lumens min. efficacy of 145 lumen/W CRI>70 CCT upto 6500K THD<10% p.f. >0.9c operating range of 140-240V inbuilt surge protection of 4kV Life class of 50 000 Hrs. a L50B50 including driver complete with 3 Year warranty as per specification No FG-ODF/FLS2(2-6-3)	16233.01	Each	146097.09
37	44.945	Supplying and erecting mains with 2x2.5 sq.mm FRLSH copper PVC insulated wire laid in provided conduit/trunking/inside pole/Bus bars or any other places. as per specification No WG-MA/BW(1-3-2)	65.10	M	2925.92
38	50.000	Supplying and erecting HMS PVC conduit FRLS grade 25 mm dia. with PVC accessories on wall/ceiling as per specification No WG-MA/CON.(1-2-4)	100.80	M	5040.00


Vishram M. Patil (B.E. CIVIL)
Chiyee,
Tal. Karveer
Dist. Kolhapur

Estimate No. : 8065 of 2022-2023

Name of work : Providing electrification to Shed Building of Mr. Dattatray Shankar Patil at Gat No. 633
Kushire Tarf Thane Taluka Panhala District Kolhapur

Sr.No.	Quantity	Item Description	Rate	Unit	Amount
		Total for Work Portion	Rs.		832312.39
		1. G.S.T. [18.00%]		Rs.	149816.23
		Grand Total (Rs.)			982128.62
		Say (Rs.)			982129.00

100% Arithmetically checked by me



**Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT. NO. 633, AT-KUSHIRE TARF THANE,
TAL-PANHALA, DIST-KOLHAPUR. 2022/2023**

LABORATORY TESTING CHARGES

Item No.	Item	Estimated Quantity	Consumption	Material Quantity
QUANTITY OF SOLING STONE				
1	Dry trap rubble stone soiling.	37.800	1.000000	37.800
3		Cu.M.		Cum
				=====
				37.800
QUANTITY OF METAL BELOW 40 MM				
3	P/L C.C. M-10 for foundation & bedding without SCADA.	51.830	0.940000	48.720
1	- With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).	Cu.M.		Cum
4	P/L M-20 R.C.C. work in foundations with batch mixer	73.360	0.850000	62.356
1	without SCADA. - with natural sand. (using ART. SAND).	Cu.M.		Cum
5	P/C M-20 R.C.C. columns with batch mixer without	4.350	0.850000	3.698
1	SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
6	P/C M-20 R.C.C. coping with batch mixer without	12.120	0.850000	10.302
1	SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
1	P/C M-20 R.C.C. columns with batch mixer without	11.340	0.850000	9.639
2	SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
2	P/C M-20 R.C.C. beams & lintels with batch mixer	9.880	0.850000	8.398
2	without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
3	P/C M-20 R.C.C. chajja with batch mixer without	0.864	0.850000	0.734
2	SCADA. - with natural sand / V.S.I. quality Artificial Sand. (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
2	P/C C.C. M-20 for bed / foundation blocks without	30.240	0.890000	26.914
3	SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	Cu.M.		Cum
				=====
				170.761
QUANTITY OF CEMENT				
3	P/L C.C. M-10 for foundation & bedding without SCADA.	51.830	0.220000	11.403
1	- With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).	Cu.M.		M.T.
4	P/L M-20 R.C.C. work in foundations with batch mixer	73.360	0.350000	25.676
1	without SCADA. - with natural sand. (using ART. SAND).	Cu.M.		M.T.
5	P/C M-20 R.C.C. columns with batch mixer without	4.350	0.350000	1.523
1	SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
6	P/C M-20 R.C.C. coping with batch mixer without	12.120	0.350000	4.242
1	SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
8	IInd class B-B masonry in C.M. 1:6 in foundations &	16.160	0.079000	1.277
1	plinth. (using ART. SAND).	Cu.M.		M.T.
1	P/C M-20 R.C.C. columns with batch mixer without	11.340	0.350000	3.969
2	SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.



Item No.	Item	Estimated Quantity	Consumption	Material Quantity
2	P/C M-20 R.C.C. beams & lintels with batch mixer	9.880	0.350000	3.458
2	without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
3	P/C M-20 R.C.C. chajja with batch mixer without	0.864	0.350000	0.302
2	SCADA. - with natural sand / V.S.I.quality Artificial Sand. (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
5	IInd class B.B. masonry in C.M. 1:6 superstructure.	73.380	0.079000	5.797
2	(For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
6	IInd class B.B. masonry in C.M. 1:6 superstructure.	10.260	0.079000	0.811
2	(For Ground Floor) (For First Floor) (using ART. SAND).	Cu.M.		M.T.
7	IInd class B.B. masonry in C.M. 1:6 superstructure.	10.020	0.079000	0.792
2	(For Ground Floor) (For 2nd Floor) (using ART. SAND).	Cu.M.		M.T.
8	IInd class B.B. masonry in C.M. 1:4 in half brick	9.090	0.012750	0.116
2	thick wall. (For Ground Floor) (using ART. SAND).	Sq.M.		M.T.
9	IInd class B.B. masonry in C.M. 1:4 in half brick	11.250	0.012750	0.143
2	thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).	Sq.M.		M.T.
13	Internal C.P. 12 mm th single coat in C.M. 1:4. (For	382.980	0.005500	2.106
2	Ground Floor) (using ART. SAND).	Sq.M.		M.T.
14	Internal C.P. 20 mm th single coat in C.M. 1:4. (For	324.560	0.008500	2.759
2	Ground Floor) (using ART. SAND).	Sq.M.		M.T.
16	P/L ceramic tiles 30 X 45 cm for dado & skirting.	12.400	0.010000	0.124
2	(For Ground Floor) (using ART. SAND).	Sq.M.		M.T.
15	P/L machine cut machine polished Kotah stone flooring	900.300	0.006750	6.077
2	25 to 30 mm th. (For Ground Floor) (using ART. SAND).	Sq.M.		M.T.
2	P/C C.C. M-20 for bed / foundation blocks without	30.240	0.350000	10.584
3	SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	Cu.M.		M.T.

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81.159

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QUANTITY OF BRICKS

8	IInd class B.B masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).	16.160	475.000000	7676.000
1		Cu.M.		No
5	IInd class B.B. masonry in C.M. 1:6 superstructure.	73.380	475.000000	34855.500
2	(For Ground Floor) (using ART. SAND).	Cu.M.		No
6	IInd class B.B. masonry in C.M. 1:6 superstructure.	10.260	475.000000	4873.500
2	(For Ground Floor) (For First Floor) (using ART. SAND).	Cu.M.		No
7	IInd class B.B. masonry in C.M. 1:6 superstructure.	10.020	475.000000	4759.500
2	(For Ground Floor) (For 2nd Floor) (using ART. SAND).	Cu.M.		No
8	IInd class B.B. masonry in C.M. 1:4 in half brick	9.090	57.000000	518.130
2	thick wall. (For Ground Floor) (using ART. SAND).	Sq.M.		No
9	IInd class B.B. masonry in C.M. 1:4 in half brick	11.250	57.000000	641.250
2	thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).	Sq.M.		No

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53323.880

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QUANTITY OF TMT-FE-500 STEEL

7	P/F TMT FE-500 bar reinforcement for R.C.C. items.	10.779	1.000000	10.779
1	(For Ground Floor)	M.T.		M.T.
4	P/F TMT FE-500 bar reinforcement for R.C.C. items.	2.182	1.000000	2.182
2	(For Ground Floor)	M.T.		M.T.

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12.961

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QUANTITY OF ARTIFICIAL SAND

3	P/L C.C. M-10 for foundation & bedding without SCADA.	51.830	0.470000	24.360
1	- With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).	Cu.M.		Cu.M.
4	P/L M-20 R.C.C. work in foundations with batch mixer	73.360	0.425000	31.178
1	without SCADA. - with natural sand. (using ART. SAND).	Cu.M.		Cu.M.



Item No.	Item	Estimated Quantity	Consumption	Material Quantity
5 1	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	4.350 Cu.M.	0.425000	1.849 Cu.M.
6 1	P/C M-20 R.C.C. coping with batch mixer without SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	12.120 Cu.M.	0.425000	5.151 Cu.M.
8 1	IInd class B.B masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).	16.160 Cu.M.	0.320000	5.171 Cu.M.
1 2	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	11.340 Cu.M.	0.425000	4.820 Cu.M.
2 2	P/C M-20 R.C.C. beams & lintels with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	9.880 Cu.M.	0.425000	4.199 Cu.M.
3 2	P/C M-20 R.C.C. chajja with batch mixer without SCADA. - with natural sand / V.S.I.quality Artificial Sand. (For Ground Floor) (using ART. SAND).	0.864 Cu.M.	0.425000	0.367 Cu.M.
5 2	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (using ART. SAND).	73.380 Cu.M.	0.320000	23.482 Cu.M.
6 2	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For First Floor) (using ART. SAND).	10.260 Cu.M.	0.320000	3.283 Cu.M.
7 2	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For 2nd Floor) (using ART. SAND).	10.020 Cu.M.	0.320000	3.206 Cu.M.
8 2	IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (using ART. SAND).	9.090 Sq.M.	0.034000	0.309 Cu.M.
9 2	IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).	11.250 Sq.M.	0.034000	0.383 Cu.M.
13 2	Internal C.P. 12 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).	382.980 Sq.M.	0.015000	5.745 Cu.M.
14 2	Internal C.P. 20 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).	324.560 Sq.M.	0.025000	8.114 Cu.M.
16 2	P/L ceramic tiles 30 X 45 cm for dado & skirting. (For Ground Floor) (using ART. SAND).	12.400 Sq.M.	0.017000	0.211 Cu.M.
15 2	P/L machine cut machine polished Kotah stone flooring 25 to 30 mm th. (For Ground Floor) (using ART. SAND).	900.300 Sq.M.	0.022000	19.807 Cu.M.
2 3	P/C C.C. M-20 for bed / foundation blocks without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	30.240 Cu.M.	0.425000	12.852 Cu.M.

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154.487

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L A B O R A T O R Y T E S T I N G C H A R G E S

Sr. No.	Type of Test	Estimated Quantity	Frequency of Testing	No of Tests	Cost per Test	Amount
1	Standard Consistency, Fineness, Specific Gravity, Setting Time (Initial and Final), Compressive Strength, Soundness Test for Cement	81.159 M.T.	1 Test per 50.0 M.T.	2	3770.00	7540.00
2	Fineness Modulus (Sieve Analysis), Silt and Clay Content Test for Artificial Sand	1.000 Source	1 Test per	1	1380.00	1380.00
3	Compressive Strength of Cement Concrete Cube	193.984 Cu.M.	1 Test per 5.0 Cu.M.	7	690.00	4830.00

No.	Item	Quantity
3	P/L C.C. M-10 for foundation & bedding without SCADA.	51.830
1	- With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).	Cu.M.
4	P/L M-20 R.C.C. work in foundations with batch mixer without SCADA. - with natural sand. (using ART. SAND).	73.360
1	- with natural sand. (using ART. SAND).	Cu.M.
5	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	4.350
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.
6	P/C M-20 R.C.C. coping with batch mixer without SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	12.120
1	- with natural sand. (For Ground Floor) (using ART. SAND).	Cu.M.
1	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	11.340
2	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.
2	P/C M-20 R.C.C. beams & lintels with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	9.880
2	- With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.
3	P/C M-20 R.C.C. chajja with batch mixer without SCADA. - with natural sand / V.S.I. quality Artificial Sand. (For Ground Floor) (using ART. SAND).	0.864
2	- with natural sand / V.S.I. quality Artificial Sand. (For Ground Floor) (using ART. SAND).	Cu.M.
2	P/C C.C. M-20 for bed / foundation blocks without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	30.240
3	- With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	Cu.M.

4	Sieve Analysis Test for Metal below 40 milimetre	170.761 Cum	1 Test per 200.0 Cum	1	690.00	690.00
5	Water Absorption, Specific Gravity, Impact Value, Crushing Value Test for Metal below 40 milimetre	1.000 Source	1 Test per Source	1	2600.00	2600.00
6	Concrete Mix Design (with all tests on basic materials) for Grade M-20	142.154 Cu.M.	1 Test per 500.0 Cu.M	1	13755.00	13755.00

No.	Item	Quantity
4	P/L M-20 R.C.C. work in foundations with batch mixer without SCADA. - with natural sand. (using ART. SAND).	73.360
1	- with natural sand. (using ART. SAND).	Cu.M.
5	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	4.350
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.
6	P/C M-20 R.C.C. coping with batch mixer without SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	12.120
1	- with natural sand. (For Ground Floor) (using ART. SAND).	Cu.M.
1	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	11.340
2	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.



2	P/C M-20 R.C.C. beams & lintels with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	9.880					
2	P/C M-20 R.C.C. chajja with batch mixer without SCADA. - with natural sand / V.S.I.quality Artificial Sand. (For Ground Floor) (using ART. SAND).	0.864					
2	P/C C.C. M-20 for bed / foundation blocks without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	30.240					
7	Tensile Strength, Percent Elongation, Yield Stress, Weight per Metre, Bend / Rebend Test, Proof Stress (Steel Bar upto 16 milimetre)	5.184	1 Test	2	1275.00		2550.00
			M.T. per 5.0 M.T.				
8	Tensile Strength, Percent Elongation, Yield Stress, Weight per Metre, Bend / Rebend Test, Proof Stress (Steel Bar above 16 milimetre)	7.777	1 Test	2	1595.00		3190.00
			M.T. per 5.0 M.T.				
9	Water Absorption, Compressive Strength, Efflorescence Test for Burnt Bricks	53323.880	1 Test	2	2175.00		4350.00
			No per 50000 No				
10	Compressive Strength of Cement Mortar	83.415	1 Test	17	690.00		11730.00
			Cu.M. per Day				

No.	Item	Quantity
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8	IInd class B.B masonry in C.M. 1:6 in foundations & 1 plinth. (using ART. SAND).	6.065					
5	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (using ART. SAND).	27.540					
6	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For First Floor) (using ART. SAND).	3.851					
7	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For 2nd Floor) (using ART. SAND).	3.761					
8	IInd class B.B. masonry in C.M. 1:4 in half brick 2 thick wall. (For Ground Floor) (using ART. SAND).	0.390					
9	IInd class B.B. masonry in C.M. 1:4 in half brick 2 thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).	0.483					
13	Internal C.P. 12 mm th single coat in C.M. 1:4. (For 2 Ground Floor) (using ART. SAND).	7.219					
14	Internal C.P. 20 mm th single coat in C.M. 1:4. (For 2 Ground Floor) (using ART. SAND).	10.045					
15	P/L machine cut machine polished Kotah stone flooring 2 25 to 30 mm th. (For Ground Floor) (using ART. SAND).	24.061					
11	Liquid Limit & Plastic Limit for Plinth Filling	710.160	1 Test	1	1170.00		1170.00
			Cu.M. per 1000.0 Cu.				

No.	Item	Quantity
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9	Filling in plinth & floors with excavated materials.	33.200					
10	Filling in plinth & floors with contractors material.	676.960					
12	Thickness, Mass per Running Metre of Aluminium Section	1.000	1 Test	1	690.00		690.00
			Sq.M. per Source				

No.	Item	Quantity
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12	P/F aluminium sliding window of 3 tracks. With colour anodising with box. (For Ground Floor)	55.200					
17	P/F powder coated aluminium louvered windows / ventilator with powder coating. (For Ground Floor)	3.600					
13	Water Absorption, Modulus of Rupture Test for Ceramic / Vitrified Tiles	55.000	1 Test	1	2495.00		2495.00
			No. per 2000.0 No.				

No.	Item	Quantity
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16	P/L ceramic tiles 30 X 45 cm for dado & skirting. (For Ground Floor) (using ART. SAND).	55.000					



Sr. No.	Type of Test	Estimated Quantity	Frequency of Testing	No of Tests per Source	Cost per Test	Amount
14	Crushing Value / Compressive Strength, Water Absorption, Specific Gravity Test for Stone / Rubble	1.000	1 Test per Source	1	2020.00	2020.00
						58990.00



**Name of Work PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARP THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023**

Q U A R R Y C H A R T

Sr #	Material	Source	Lead Break-up	Lead KM
1	Cement	LOCAL	5.00	= 5.000
2	Artificial Sand	TOP	15.00	= 15.000
3	Metal below 40 mm	TOP	15.00	= 15.000
4	TMT-FE-500 Steel	LOCAL	5.00	= 5.000
5	Bricks	LOCAL	10.00	= 10.000
6	Hard murum	LOCAL	3.00	= 3.000
7	Mild Steel	LOCAL	5.00	= 5.000
8	Structural Steel	LOCAL	5.00	= 5.000
9	Flooring Tiles	MIDC	15.00	= 15.000
10	Soling stone	TOP	15.00	= 15.000
11	Quarry Spaul		15.00	= 15.000

1. Certified that existing nearest available quarries are provided in the estimate.
2. Certified that the materials available in the quarries provided in the estimate are of right quality and is in sufficient quantity for the work.



Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARF THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023

L E A D S T A T E M E N T

Sr No	Material	Lead in K. M.	Additional Lead Charges		Source
			Lead Charge	Initial Lead	
1	Cement	5.000	164.99	0.00	164.99 LOCAL
2	Artificial Sand	15.000	410.55	0.00	410.55 TOP
3	Metal below 40 mm	15.000	410.55	0.00	410.55 TOP
4	TMT-FE-500 Steel	5.000	164.99	0.00	164.99 LOCAL
5	Bricks	10.000	0.75793	0.00000	0.75793 LOCAL
6	Hard murum	3.000	219.98	0.00	219.98 LOCAL
7	Mild Steel	5.000	164.99	0.00	164.99 LOCAL
8	Structural Steel	5.000	164.99	0.00	164.99 LOCAL
9	Flooring Tiles	15.000	28.29	0.00	28.29 MIDC
10	Soling stone	15.000	502.27	0.00	502.27 TOP
11	Quarry Spaul	15.000	502.27	0.00	502.27

(Signature)
Vishwas M. Patil (B.E. Civil)
Shiye,
Tal. Karveer
Dist. Kolhapur

Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARP THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023

ROYALTY CHARGES STATEMENT

Item # Sub-Est #	Item	Item Quantity	Consum- ption/Unit	Material Quantity
MATERIAL : HARD MURUM				
10 of 1	Filling in plinth & floors with contractors material complete.	676.960 Cu.M.	1.000000	676.960 Cum
Total for Hard murum				676.96
MATERIAL : SOLING STONE				
1 of 3	Dry trap rubble stone soiling.	37.800 Cu.M.	1.000000	37.800 Cum
Total for Soling stone				37.80
MATERIAL : QUARRY SPAUL				
1 of 3	Dry trap rubble stone soiling.	37.800 Cu.M.	0.200000	7.560 Cum.
Total for Quarry Spaul				7.56
Grand Total for All Materials				722.32

ROYALTY CHARGES

Sr #	Material	Total Quantity	Royalty Rate	Royalty Amount
1	Hard murum	676.96	216.18	146345.21
2	Soling stone	37.80	216.18	8171.60
3	Quarry Spaul	7.56	216.18	1634.32
				1,56,151.13



**Name of Work : PROPOSED SHED BUILDING FOR KRUSHIUTKARSH AGRO
FARMERS PRODUCER COMPANY
LTD., GAT.NO.633, AT-KUSHIRE TARS THANE,
TAL-PANHALA, DIST-KOLHAPUR.2022/2023**

**SUB-ESTIMATE NO : 1 - Sub Estimate - Substructure
LABOUR COMPONENT**

Item No	Description of Item	Quantity	Labour Rate	Labour Component
1	Excavation in earth, SM. (Lift 1.5 m) By Mechanical Means	66.400 Cu.M.	116.00	7702.40
2	Excavation in HM. (Lift 1.5 m) By Mechanical Means	33.200 Cu.M.	127.00	4216.40
3	P/L C.C. M-10 for foundation & bedding without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).	51.830 Cu.M.	1616.00	83757.28
4	P/L M-20 R.C.C. work in foundations with batch mixer without SCADA. - with natural sand. (using ART. SAND).	73.360 Cu.M.	2110.00	154789.60
5	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	4.350 Cu.M.	5252.00	22846.20
6	P/C M-20 R.C.C. coping with batch mixer without SCADA. - with natural sand. (For Ground Floor) (using ART. SAND).	12.120 Cu.M.	2196.00	26615.52
7	P/F TMT FE-500 bar reinforcement for R.C.C. items. (For Ground Floor)	10.779 M.T.	11762.00	126782.60
8	IInd class B.B masonry in G.M. 1:6 in foundations & plinth. (using ART. SAND).	16.160 Cu.M.	1588.00	25662.08
9	Filling in plinth & floors with excavated materials.	33.200 Cu.M.	120.00	3984.00
10	Filling in plinth & floors with contractors material.	676.960 Cu.M.	135.00	91389.60
Total Labour Component				5,47,745.68

**SUB-ESTIMATE NO : 2 - Sub Estimate - Superstructure
LABOUR COMPONENT**

Item No	Description of Item	Quantity	Labour Rate	Labour Component
1	P/C M-20 R.C.C. columns with batch mixer without SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	11.340 Cu.M.	5252.00	59557.68
2	P/C M-20 R.C.C. beams & lintels with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	9.880 Cu.M.	5085.00	50239.80
3	P/C M-20 R.C.C. chajja with batch mixer without SCADA. - with natural sand / V.S.I.quality Artificial Sand. (For Ground Floor) (using ART. SAND).	0.864 Cu.M.	5988.00	5173.63
4	P/F TMT FE-500 bar reinforcement for R.C.C. items. (For Ground Floor)	2.182 M.T.	11762.00	25664.68
5	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (using ART. SAND).	73.380 Cu.M.	1705.00	125112.90



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(Handwritten Signature)

Vishwas M. Patil (B.E. CIVIL)
Shiye,
Tal. Karveer
Dist. Kothapur
445 122

Item No	Description of Item	Quantity	Labour Rate	Labour Component
				265748.69
6	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For First Floor) (using ART. SAND).	10.260 Cu.M.	1705.00	17493.30
7	IInd class B.B. masonry in C.M. 1:6 superstructure. (For Ground Floor) (For 2nd Floor) (using ART. SAND).	10.020 Cu.M.	1705.00	17084.10
8	IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (using ART. SAND).	9.090 Sq.M.	203.00	1845.27
9	IInd class B.B. masonry in C.M. 1:4 in half brick thick wall. (For Ground Floor) (For First Floor) (using ART. SAND).	11.250 Sq.M.	203.00	2283.75
10	P/F rolling shutter. - without mechanical gear (For Ground Floor)	8.740 Sq.M.	846.00	7394.04
11	P/F M.S. grill work for windows, ventilator etc. 20 Kg/Sqm. (For Ground Floor)	55.200 Sq.M.	316.00	17443.20
12	P/F aluminium sliding window of 3 tracks. With colour anodising with box. (For Ground Floor)	55.200 Sq.M.	1415.00	78108.00
13	Internal C.P. 12 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).	382.980 Sq.M.	204.00	78127.92
14	Internal C.P. 20 mm th single coat in C.M. 1:4. (For Ground Floor) (using ART. SAND).	324.560 Sq.M.	253.00	82113.68
15	P/L machine cut machine polished Kotah stone flooring 25 to 30 mm th. (For Ground Floor) (using ART. SAND).	900.300 Sq.M.	281.00	252984.30
16	P/L ceramic tiles 30 X 45 cm for dado & skirting. (For Ground Floor) (using ART. SAND).	12.400 Sq.M.	431.00	5344.40
17	P/F powder coated aluminium louvered windows / ventilator with powder coating. (For Ground Floor)	3.600 Sq.M.	1370.00	4932.00
18	Structural steel work in rolled sections in main & cross beams, hip & jack rafters, purlins connecting to truss members. (For First Floor)	5.000 M.T.	14645.00	73225.00
19	P/F of colour coated zinalume (R) AZ 150 (Min 150 Gms/Sqm total on each sides) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 millim base metal thickness (BMT) (0.5 millim TCT), Hi-strength steel with minium 500 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium, 43.4% zinc, 1.6% silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface & nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 millim effective cover width & nominal 25-30 millim deep ribs with subtle square fluting in 5 pan at nominal 180-250 millim center to centre. The end rib shall be designed for anti capillary groove & return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, etc. complete. (Weight of profile 4.52 Kg/Sqm). (For First Floor)	1379.500 Sq.M.	119.00	164160.50






(Handwritten signature)
Vishwas M. Patil (B.E. Civil)
Shiye,
Tal. Karveer
Dist. Kolhapur
416 122

Item No	Description of Item	Quantity	Labour Rate	Labour Component
				1068288.15
20	P/F of colour coated zinalume (R) AZ 150 (Min 150 Gms/Sqm total on each sides) profile sheets for roofing. The feed material is manufactured out of nominal 0.45 millim base metal thickness (BMT) (0.5 millim TCT), Hi-strength steel with minium 500 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium, 43.4% zinc, 1.6% silicon) with COLORBOND (R) steel quality super durable polyster paint coat (with inorganic pigment). The paint shall have total coating thickness of nominal 35 um, comprising of nominal 25 um exterior coat on top surface & nominal 10 um reverse coat on back surface. Profile sheet shall have nominal 950-1050 millim effective cover width & nominal 25-30 millim deep ribs with subtle square fluting in 5 pan at nominal 180-250 millim center to centre. The end rib shall be designed for anti capillary groove & return leg. The feed material should have coil manufacturer's product details marked at regular interval. Including fasteners with minium fatened with minium 25 um zinc-tin alloy coated, hex head, self-drilling screw, etc. complete. (Weight of profile 4.52 Kq/Sqm). - 301 millim to 600 millim girth (surface width) (For First Floor)	43.500 R.Mt.	71.00	3088.50
Total Labour Component				10,71,376.65

**SUB-ESTIMATE NO : 3 - CEMENT CONCRIT ROAD
LABOUR COMPONENT**

Item No	Description of Item	Quantity	Labour Rate	Labour Component
1	Dry trap rubble stone soiling.	37.800 Cu.M.	432.00	16329.60
2	P/C C.C. M-20 for bed / foundation blocks without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade) (using ART. SAND).	30.240 Cu.M.	1616.00	48867.84
3	Royalty charges for various materials.	722.320 Cu.M.	0.00	0.00
4	Laboratory testing charges for various materials required for items of work.	55563.000 Job	0.00	0.00
5	Providing & fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion & liability period etc', having rectanqular shape of 1.20m X 0.90m size made out 18 gauge (1.25mm) thick M.S. sheet painted with 1 coat of Zinc chromate stoving primer & two coats of enamel paint on front side & grey stove enamel on back side & border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 X 35 X 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 X 65 X 6 mm, 3.65 m long painted with alternate black & white bands of 25 cm width including all fixtures etc.and fixing boards in 1:4:8 concrete block of size 60 X 60 X 75 cm including, excavation, refilling, transportation, & labour etc complete. Spec. No. As directed by Engineer in Charge	1.000 No.	3021.00	3021.00
Total Labour Component				68,218.44
TOTAL LABOUR COMPONENT OF THE ESTIMATE				16,87,340.77