

**E S T I M A T E**

**DIVISION** : Zilla Parishad, Kolhapur  
**SUB-DIVISION** : Z.P. Sub Division, 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 Construction of Aadishakti Agro Infinity Farmer Producer Company Ltd Sajani Taluka Hatkanangle Dist Kolhapur

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**Rs. 1,41,00,741.00**  
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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 : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**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 Cost of Work Portion	(A) Rs. 1,11,93,154.00
2 Royalty	Rs. 62,273.00
3 Laboratory Testing Charges	Rs. 25,165.00
	<b>(B) Rs. 1,12,80,592.00</b>
Add Insurance towards Labour @ 1.00% On (B)	Rs. 1,12,806.00
Add G.S.T. on Governmental Contract Works @ 18.00% On (B)	Rs. 20,30,507.00
Add SQM @ 1.00% On (B)	Rs. 1,12,806.00
Add Electrification @ 5.00% On (B)	Rs. 5,64,030.00
	<b>Rs. 1,41,00,741.00</b>
	Say Rs. 1,41,00,741.00

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**SUB-ESTIMATE NO : 1 - Cost of Work Portion**

**A B S T R A C T**

Quantity	Description	Rate	Unit	Amount
=====				
	ITEM NO : 1			
46.250	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 Manual Means	250.70	One	11594.88
Cubic			Cubic	
Metre			Metre	
	SSR 2022-23 I/P 21.01/153	239.00		
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 239.00)	-4.78		
		=====		
		234.22		
	Add 5.00% For Sugar Factory Area	11.71		
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 239.00)	4.78		
		=====		
		250.71		
	ITEM NO : 2			
25.200	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 Manual Means	382.90	One	9649.08
Cubic			Cubic	
Metre			Metre	
	SSR 2022-23 I/P 21.05/153	365.00		
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 365.00)	-7.30		
		=====		
		357.70		
	Add 5.00% For Sugar Factory Area	17.89		
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 365.00)	7.30		
		=====		
		382.89		
	ITEM NO : 3			
73.430	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 with 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	6730.85	One	494246.32
Cubic			Cubic	
Metre			Metre	
	ITEM NO : 4			
23.330	Providing and laying in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in	8033.30	One	187416.89
Cubic			Cubic	
Metre			Metre	

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**702907.17**

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Quantity	Description	Rate	Unit	Amount
		Amount b/f		702907.17
	foundations like raft, strip foundations, grillage and footings of reinforced cement concrete columns and steel stanchions, excetra including bailling 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 with 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			
	ITEM NO : 5			
4.540 Cubic Metre	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 with 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	15039.55	One Cubic Metre	68279.56
	ITEM NO : 6			
10.800 Cubic Metre	Providing second class burnt brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in foundations and plinth of inner walls / in plinth of external walls including bailling 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. - 4	8911.65	One Cubic Metre	96245.82
	ITEM NO : 7			
25.200 Cubic Metre	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 ===== 117.60 Add 5.00% For Sugar Factory Area 5.88 Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 120.00) 2.40 ===== 125.88	125.90	One Cubic Metre	3172.68
	ITEM NO : 8			
288.060 Cubic Metre	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. - 5	1021.80	One Cubic Metre	294339.71
	ITEM NO : 9			
2.727 Metric	Providing structural steel work in hollow section of various thickness and sizes in square,	124775.70	One Metric	340263.33

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1505208.27

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Quantity	Description	Rate	Unit	Amount
		Amount b/f		1505208.27
Ton	rectanular and round shape from 25 milimetre to 450 milimetre section as per Indian Standard : 4923 YST 310 grade produced from iron ore and blast furnace route, excetra as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted / bolted / welded connections and painting complete. (For Ground Floor) Rate as per R. A. No. - 6		Ton	
	ITEM NO : 10			
43.159	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates excetra as per detailed desings and drawings or as directed including cuting, fabricating, hoisting, erecting, fixing in position, making rivetted / bolted / welded connection and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade, excetra complete. (For Ground Floor) Rate as per R. A. No. - 7	125477.50	One	5415483.42
Metric			Metric	
Ton			Ton	
	ITEM NO : 11			
11.161	Providing and fabricrting structural steel work in rolled sections like joists, channels, angles, tees, excetra as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted / welded connections without connecting plates, braces, excetra and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade, excetra complete. (For Ground Floor) Rate as per R. A. No. - 8	106999.35	One	1194219.75
Metric			Metric	
Ton			Ton	
	ITEM NO : 12			
3.345	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, bendding, hooking the bars, binding with wires or tack welding and supporting as requied complete. (For Ground Floor) Rate as per R. A. No. - 9	94263.45	One	315311.24
Metric			Metric	
Ton			Ton	
				8430222.68

Quantity	Description	Rate	Unit	Amount
		Amount b/f		<b>8430222.68</b>
1421.260	ITEM NO : 13 Providing and fixing of colour coated zincalume (R)	1230.50	One	1748860.43
Square	AZ 150 (Minimum 150 grams per square metre total on		Square	
Metre	each sides) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 millimetre base metal thickness (BMT) (0.5 millimetre 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 millimetre effective cover width and nominal 25-30 millimetre deep ribs with subtle square fluting in the five pan at nominal 180-250 millimetre 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 Ground Floor)		Metre	
	SSR 2022-23 I/P 38.34/236	1173.00		
	Deduct 2.00% for Labour aminities & Cess	(-2.00 / 100 * 1173.00)		-23.46
				=====
				1149.54
	Add 5.00% For Sugar Factory Area			57.48
	Add Back 2.00% for Labour aminities & Cess	(2.00 / 100 * 1173.00)		23.46
				=====
				1230.48
				=====
				<b>10179083.11</b>
				=====

Quantity	Description	Rate	Unit	Amount
		Amount b/f		10179083.11
31.480	ITEM NO : 14 Providing and fixing of colour coated zincalume (R)	1120.35	One	35268.62
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). - 601 milimetre to 900 milimetre girth (surface width) (For Ground Floor)		Running Metre	
	SSR 2022-23 I/P 38.36/237	1068.00		
	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 1068.00)	-21.36		
		=====		
		1046.64		
	Add 5.00% For Sugar Factory Area	52.33		
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 1068.00)	21.36		
		=====		
		1120.33		
11.160	ITEM NO : 15 Providing and fixing rolling shutter fabricated	5568.10	One	62140.00
Square Metre	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 diametre, 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) - with mechanical gear (For Ground Floor)		Square Metre	
	SSR 2022-23 I/P 39.25/249	5308.00		
	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 5308.00)	-106.16		
		=====		
		5201.84		
	Add 5.00% For Sugar Factory Area	260.09		
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 5308.00)	106.16		
		=====		
		5568.09		
62.170	ITEM NO : 16 Providing sand faced plaster externally in cement	685.90	One	42642.40
Square	mortar using approved screened sand in all		Square	
				=====
				10319134.13
				=====

Quantity	Description	Rate	Unit	Amount
		Amount b/f		10319134.13
Metre	positions including base coat of 15 milimetre thick in cement mortar 1:4 using waterproofing compound at one killogramme per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment of 6 to 8 milimetre thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days, scaffolding, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 10		Metre	
	ITEM NO : 17			
62.170	Providing and applying two coats of exterior weather shield paint of approved manufacturer and of approved colour to the plastered surfaces including cleaning, preparing the plaster surfaces, applying primer coat, scaffolding, if necessary and watering the surface for two days, excetra complete. (For Ground Floor)	309.45	One	19238.51
Square	SSR 2022-23 I/P 35.26/225	295.00	Square	
Metre	Deduct 2.00% for Labour aminities & Cess (-2.00 / 100 * 295.00)	-5.90	Metre	
		=====		
		289.10		
	Add 5.00% For Sugar Factory Area	14.46		
	Add Back 2.00% for Labour aminities & Cess (2.00 / 100 * 295.00)	5.90		
		=====		
		309.46		
	ITEM NO : 18			
225.060	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 milimetre to 605 milimetre X 590 milimetre to 605 milimetre of 8 milimetre to 10 milimetre thickness and confirming to Indian Standard 15622-2006 (Group BIa) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 11	1271.60	One	286186.30
Square			Square	
Metre			Metre	
	ITEM NO : 19			
626.520	Providing and laying in situ cement concrete M-20 with tremix treatment for 100 milimetre thickness for flooring with groove cutting of 4 milimetre wide 20 milimetre deep with necessary refilling with bitumen, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 12	893.10	One	559545.01
Square			Square	
Metre			Metre	
				=====
				11184103.95
				=====

Quantity	Description	Rate	Unit	Amount
				Amount b/f 11184103.95
1.000	ITEM NO : 20 Providing and fixing 90 centimetre X 60 centimetre granite name plate engraving 10 centimetre height letter, figures including painting the letters / figures with approved colour and shade complete.	9049.70	One	9049.70
Number			Number	
	SSR 2022-23 I/P 44.12/294	8627.00		
	Deduct 2.00% for Labour amenities & Cess (-2.00 / 100 * 8627.00)	-172.54		
		=====		
		8454.46		
	Add 5.00% For Sugar Factory Area	422.72		
	Add Back 2.00% for Labour amenities & Cess (2.00 / 100 * 8627.00)	172.54		
		=====		
		9049.72		
				=====
				1,11,93,153.65
		Say Rs.		1,11,93,154.00
				=====

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**SUB-ESTIMATE NO : 1 - Cost of Work Portion**

**M E A R S U R E M E N T**

	No.	Length	Breadth	Height	Quantity
=====					
ITEM NO : 1					
Excavation in earth, SM. (Lift 1.5 m) (Manual Means)					
1 column pits	28.0 *	1.500 *	1.500 *	0.600 =	37.800
2 gr beam	2.0 *	3.350 *	0.300 *	0.300 =	0.603
3 gr beam	16.0 *	3.200 *	0.300 *	0.300 =	4.608
4 gr beam	2.0 *	3.050 *	0.300 *	0.300 =	0.549
5 gr beam	2.0 *	3.550 *	0.300 *	0.300 =	0.639
6 gr beam	2.0 *	2.840 *	0.300 *	0.300 =	0.511
7 gr beam	2.0 *	4.140 *	0.300 *	0.300 =	0.745
8 gr beam	2.0 *	4.420 *	0.300 *	0.300 =	0.796
				=====	46.250
					Cubic Metre
				=====	
ITEM NO : 2					
Excavation in HM. (Lift 1.5 m) (Manual Means)					
1 column pits	28.0 *	1.500 *	1.500 *	0.400 =	25.200
				=====	25.200
					Cubic Metre
				=====	
ITEM NO : 3					
P/L C.C. M-10 for foundation & bedding with SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ART. SAND).					
1 column pits	28.0 *	1.500 *	1.500 *	0.100 =	6.300
2 gr beam	2.0 *	3.350 *	0.300 *	0.075 =	0.151
3 gr beam	16.0 *	3.200 *	0.300 *	0.075 =	1.152
4 gr beam	2.0 *	3.050 *	0.300 *	0.075 =	0.137
5 gr beam	2.0 *	3.550 *	0.300 *	0.075 =	0.160
6 gr beam	2.0 *	2.840 *	0.300 *	0.075 =	0.128
7 gr beam	2.0 *	4.140 *	0.300 *	0.075 =	0.186
8 gr beam	2.0 *	4.420 *	0.300 *	0.075 =	0.199
9 flooring	1.0 *	30.480 *	21.330 *	0.100 =	65.014
				=====	73.430
					Cubic Metre
				=====	

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	No.	Length	Breadth	Height	Quantity
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ITEM NO : 4

P/L M-20 R.C.C. work in foundations with batch mixer with SCADA. - with natural sand. (using ART. SAND).

1 column footings	28.0 *	1.200 *	1.200 *	0.375 =	15.120
2 gr beam	2.0 *	3.350 *	0.230 *	0.380 =	0.586
3 gr beam	16.0 *	3.200 *	0.230 *	0.380 =	4.475
4 gr beam	2.0 *	3.050 *	0.230 *	0.380 =	0.533
5 gr beam	2.0 *	3.550 *	0.230 *	0.380 =	0.621
6 gr beam	2.0 *	2.840 *	0.230 *	0.380 =	0.496
7 gr beam	2.0 *	4.140 *	0.230 *	0.380 =	0.724
8 gr beam	2.0 *	4.420 *	0.230 *	0.380 =	0.773

=====  
23.330  
Cubic Metre  
=====

ITEM NO : 5

P/C M-20 R.C.C. columns with batch mixer with SCADA. - with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).

1 column	28.0 *	0.300 *	0.450 *	1.200 =	4.536
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=====  
4.540  
Cubic Metre  
=====

ITEM NO : 6

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

1 on the gr beam	2.0 *	3.350 *	0.230 *	0.500 =	0.771
2	16.0 *	3.200 *	0.230 *	0.500 =	5.888
3	2.0 *	3.050 *	0.230 *	0.500 =	0.702
4	2.0 *	3.550 *	0.230 *	0.500 =	0.817
5	2.0 *	2.840 *	0.230 *	0.500 =	0.653
6	2.0 *	4.140 *	0.230 *	0.500 =	0.952
7	2.0 *	4.420 *	0.230 *	0.500 =	1.017

=====  
10.800  
Cubic Metre  
=====

ITEM NO : 7

Filling in plinth & floors with excavated materials.

1 qty as item no 2	25.200			=	25.200
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=====  
25.200  
Cubic Metre  
=====

ITEM NO : 8

Filling in plinth & floors with contractors material.

1 murum filling	1.0 *	30.020 *	20.870 *	0.500 =	313.259
2 dedu qty as item no 7	-25.200			=	-25.200

=====  
288.060  
Cubic Metre  
=====

	No.	Length	Breadth	Height	Quantity
ITEM NO : 9					
Providing structural steel work in hollow section of various thickness & sizes in square, rectangular & round shape from 25 to 450 mm. (For Ground Floor)					
1 column pipe		28*(5.18*18.80)/1000			= 2.727
					2.727
					Metric Ton
ITEM NO : 10					
Structural steel work in trusses. (For Ground Floor)					
1 roof truss puline etc		2*(13.71*31.48)*50/1000			= 43.159
					43.159
					Metric Ton
ITEM NO : 11					
Structural steel work in rolled sections. (For Ground Floor)					
1 partision side wall		2*(21.33*5.68)*20/1000			= 4.846
2 partision side wall		2*(30.48*5.18)*20/1000			= 6.315
					11.161
					Metric Ton
ITEM NO : 12					
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	* 23.330		= 2.800
2 TMT-FE-500 Steel for Item 5 Sub-Est 1	1.0000	* 0.120000	* 4.540		= 0.545
					3.345
					Metric Ton
ITEM NO : 13					
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 Ground Floor)					
1	2.0	* 30.480	* ---	* 5.180	= 315.773
2	2.0	* 21.330	* ---	* 5.680	= 242.309
3	2.0	* 31.480	* 13.710	* ---	= 863.182
					1421.260
					Square Metre

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No.	Length	Breadth	Height	Quantity
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ITEM NO : 14  
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). - 601 millim to 900 millim girth (surface width) (For Ground Floor)

1	1.0 *	31.480 *	---	*	---	=	31.480
							=====
							31.480
							Running Metre
							=====

ITEM NO : 15  
P/F rolling shutter. - with mechanical gear (For Ground Floor)

1 shutter	1.0 *	3.050 *	---	*	3.660	=	11.163
							=====
							11.160
							Square Metre
							=====

ITEM NO : 16  
Sand faced plaster. (For Ground Floor) (using ART. SAND).

1 ext plaster	2.0 *	30.480 *	---	*	0.600	=	36.576
2 ext plaster	2.0 *	21.330 *	---	*	0.600	=	25.596
							=====
							62.170
							Square Metre
							=====

ITEM NO : 17  
P/A 2 coats of exterior weather shield paint to plastered surfaces. (For Ground Floor)

1 qty as per item no 17		62.170				=	62.170
							=====
							62.170
							Square Metre
							=====

ITEM NO : 18  
P/L vitrified mirror / glossy finish tiles 590 to 605 X 590 to 605 X 8 to 10 mm th. - Flooring (For Ground Floor) (using ART. SAND).

1 Wall	16.0 *	3.200 *	---	*	3.000	=	153.600
2 Wall	2.0 *	3.350 *	---	*	3.000	=	20.100
3 Wall	2.0 *	4.140 *	---	*	3.000	=	24.840
4 Wall	2.0 *	4.420 *	---	*	3.000	=	26.520
							=====
							225.060
							Square Metre
							=====

ITEM NO : 19  
P/L C.C. M-20 with tremix treatment 100 mm th for flooring. (For Ground Floor) (using ART. SAND).

No.	Length	Breadth	Height	Quantity
1	1.0 *	30.020 *	20.870 *	--- = 626.517
				626.520
				Square Metre

ITEM NO : 20  
P/F 90 X 60 cm granite name plate.

1	1.0 *	---	* ---	* ---	--- = 1.000
					1.000
					Number

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**SUB-ESTIMATE NO : 2 - Royalty**

**A B S T R A C T**

Quantity	Description	Rate	Unit	Amount
	ITEM NO : 1			
288.060	Royalty charges for various building construction Cubic bonafied materials which are used for government Metre 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	62272.81
		216.18		
				62,272.81
			Say Rs.	<b>62,273.00</b>

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur

SUB-ESTIMATE NO : 2 - Royalty

M E A R S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1					
Royalty charges for various materials.					
1 Qnty of Hard murum		288.06*1.000000			= 288.060
					288.060
					Cubic Metre

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
 Producer Company Ltd Sajani Taluka Hatkanangle  
 Dist Kolhapur**

**SUB-ESTIMATE NO : 3 - Laboratory Testing Charges**

**A B S T R A C T**

Quantity	Description	Rate	Unit	Amount
	ITEM NO : 1			
1.00	Laboratory testing charges for various materials	25165.00	One	25165.00
Job	required for items of work, on the basis of testing frequency and charges fixed by Vigilence and Quality Control Circle, Pune.		Job	
	SSR 2022-23 I/P 4/0	25165.00		
				25,165.00
			Say Rs.	<b>25,165.00</b>

Junior/Sectional Engineer  
 Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
 Z.P. Sub Division, Karveer

Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur

SUB-ESTIMATE NO : 3 - Laboratory Testing Charges

M E A R S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1					
Laboratory testing charges for various materials required for items of work.					
1 Total Laboratory Testing Charges	1.0	25165.00			= 1.000
					1.000
					Job

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

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

Item No.	Item	Estimated Quantity	Consumption	Material Quantity
<b>QUANTITY OF METAL BELOW 40 MM</b>				
3	P/L C.C. M-10 for foundation & bedding with SCADA. -	73.430	0.940000	69.024
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	23.330	0.850000	19.831
1	with SCADA. - with natural sand. (using ART. SAND).	Cu.M.		Cum
5	P/C M-20 R.C.C. columns with batch mixer with SCADA.	4.540	0.850000	3.859
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		Cum
				<b>92.714</b>
<b>QUANTITY OF CEMENT</b>				
3	P/L C.C. M-10 for foundation & bedding with SCADA. -	73.430	0.220000	16.155
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	23.330	0.350000	8.166
1	with SCADA. - with natural sand. (using ART. SAND).	Cu.M.		M.T.
5	P/C M-20 R.C.C. columns with batch mixer with SCADA.	4.540	0.350000	1.589
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		M.T.
6	IInd class B.B masonry in C.M. 1:6 in foundations &	10.800	0.079000	0.853
1	plinth. (using ART. SAND).	Cu.M.		M.T.
16	Sand faced plaster. (For Ground Floor) (using ART.	62.170	0.012500	0.777
1	SAND).	Sq.M.		M.T.
18	P/L vitrified mirror / glossy finish tiles 590 to 605	825.060	0.010000	8.251
1	X 590 to 605 X 8 to 10 mm th. - Flooring (For Ground Floor) (using ART. SAND).	Sq.M.		M.T.
				<b>35.791</b>
<b>QUANTITY OF BRICKS</b>				
6	IInd class B.B masonry in C.M. 1:6 in foundations &	10.800	475.000000	5130.000
1	plinth. (using ART. SAND).	Cu.M.		No
				<b>5130.000</b>
<b>QUANTITY OF TMT-FE-500 STEEL</b>				
12	P/F TMT FE-500 bar reinforcement for R.C.C. items.	3.345	1.000000	3.345
1	(For Ground Floor)	M.T.		M.T.
				<b>3.345</b>
<b>QUANTITY OF ARTIFICIAL SAND</b>				
3	P/L C.C. M-10 for foundation & bedding with SCADA. -	73.430	0.470000	34.512
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	23.330	0.425000	9.915
1	with SCADA. - with natural sand. (using ART. SAND).	Cu.M.		Cu.M.
5	P/C M-20 R.C.C. columns with batch mixer with SCADA.	4.540	0.425000	1.930
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.		Cu.M.

Item No.	Item	Estimated Quantity	Consumption	Material Quantity
6	IInd class B.B masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).	10.800	0.320000	3.456
1		Cu.M.		Cu.M.
16	Sand faced plaster. (For Ground Floor) (using ART. SAND).	62.170	0.033000	2.052
1		Sq.M.		Cu.M.
18	P/L vitrified mirror / glossy finish tiles 590 to 605 X 590 to 605 X 8 to 10 mm th. - Flooring (For Ground Floor) (using ART. SAND).	825.060	0.017000	14.026
1		Sq.M.		Cu.M.
				65.891

**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	35.791 M.T.	per 50.0 M.T.	1 Test	1	3770.00	3770.00
2	Fineness Modulus (Sieve Analysis), Silt and Clay Content Test for Artificial Sand	1.000	Source per	1 Test	1	1380.00	1380.00
3	Compressive Strength of Cement Concrete Cube	101.300	per 5.0 Cu.M.	1 Test	6	690.00	4140.00

  

No.	Item	Quantity
3	P/L C.C. M-10 for foundation & bedding with SCADA. -	73.430
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 with SCADA. - with natural sand. (using ART. SAND).	23.330
5	P/C M-20 R.C.C. columns with batch mixer with SCADA.	4.540
1	- with fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ART. SAND).	Cu.M.

  

4	Sieve Analysis Test for Metal below 40 milimetre	92.714	per 200.0 Cum	1 Test	1	690.00	690.00
5	Water Absorption, Specific Gravity, Impact Value, Crushing Value Test for Metal below 40 milimetre	1.000	Source per Source	1 Test	1	2600.00	2600.00
6	Water Absorption, Compressive Strength, Efflorescence Test for Burnt Bricks	5130.000	per 50000 No	1 Test	1	2175.00	2175.00
7	Compressive Strength of Cement Mortar	6.649	per Day	1 Test	2	690.00	1380.00

  

No.	Item	Quantity
6	IInd class B.B masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).	4.053
16	Sand faced plaster. (For Ground Floor) (using ART. SAND).	2.596
1	SAND).	Cu.M.

  

8	Liquid Limit & Plastic Limit for Plinth Filling	313.260	per 1000.0 Cu.	1 Test	1	1170.00	1170.00
---	---	---------	----------------	--------	---	---------	---------

  

No.	Item	Quantity
7	Filling in plinth & floors with excavated materials.	25.200
1		Cu.M.
8	Filling in plinth & floors with contractors material.	288.060
1		Cu.M.

  

9	Tensile Strength, Percent Elongation, Yield Stress, Weight per Metre, Bend / Rebend Test, Proof Stress (Steel Bar upto 16 milimetre)	1.338	per 5.0 M.T.	1 Test	1	1275.00	1275.00
10	Tensile Strength, Percent Elongation, Yield Stress, Weight per Metre, Bend / Rebend Test, Proof Stress (Steel Bar above 16 milimetre)	2.007	per 5.0 M.T.	1 Test	1	1595.00	1595.00

Sr. No.	Type of Test	Estimated Quantity	Frequency of Testing	No of Tests	Cost per Test	Amount
11	Water Absorption, Modulus of Rupture Test for Ceramic / Vitrified Tiles	3663.000	1 Test	2	2495.00	4990.00
			No. per 2000.0	No		

  

No.	Item	Quantity
18	P/L vitrified mirror / glossy finish tiles 590 to 605	3663.000
1	X 590 to 605 X 8 to 10 mm th. - Flooring (For Ground Floor) (using ART. SAND).	No.

  

						25165.00
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Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

Name of Work : Construction of Aadishakti Agro Infinity Farmer  
 Producer Company Ltd Sajani Taluka Hatkanangle  
 Dist Kolhapur

Q U A R R Y C H A R T

Sr #	Material	Source	Lead	Break-up	Lead
1	Cement	local	5.000	0 0local	5 = 5.0
2	Artificial Sand	Toap		15	= 15.0
3	Metal below 40 mm	Toap		15	= 15.0
4	Bricks	Ankali		25	= 25.0
5	Hard murum	Local		15	= 15.0
6	Tubular Steel			5	= 5.0
7	Structural Steel	Local	5.000	0 0Local	5 = 5.0
8	TMT-FE-500 Steel			5	= 5.0
9	Flooring Tiles	Local		15	= 15.0

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 : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**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 Toap
3	Metal below 40 mm	15.000	410.55	0.00	410.55 Toap
4	Bricks	25.000	1.33098	0.00000	1.33098 Ankali
5	Hard murum	15.000	393.44	0.00	393.44 Local
6	Tubular Steel	5.000	164.99	0.00	164.99
7	Structural Steel	5.000	164.99	0.00	164.99 Local
8	TMT-FE-500 Steel	5.000	164.99	0.00	164.99
9	Flooring Tiles	15.000	28.29	0.00	28.29 Local

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

**Name of Work : Construction of Aadishakti Agro Infinity Farmer  
Producer Company Ltd Sajani Taluka Hatkanangle  
Dist Kolhapur**

**R A T E A N A L Y S I S**

=====			
R.A. NO : 1			
Providing & laying in situ, C.C. M-10 of trap/ granite/ quartzite/ gneiss metal for foundation & bedding. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (using ARTIFICIAL SAND).			
Completed Item Rate as per SSR 2022-23 I/P 24.01/175			5830.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 5830.00) =		-116.60
			=====
			5713.40
Add 5.00% of Rs. 5713.40 For Sugar Factory Area On DSR Rate			285.67
			=====
			5999.07
Total Additional Charges			615.18
Add for Cement for 5.000 KM			
( 164.99 - 0.00) = 164.99 * 0.220000	=		36.30
Add for Artificial Sand for 15.000 KM			
( 410.55 - 0.00) = 410.55 * 0.470000	=		192.96
Add for Metal below 40 mm for 15.000 KM			
( 410.55 - 0.00) = 410.55 * 0.940000	=		385.92
			=====
			615.18
			=====
			6614.25
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 5830.00) =		116.60
			=====
			6730.85
	Total Rate Rs.		<b>6,730.85</b>
			Per Cubic Metre
			=====
R.A. NO : 2			
Providing & laying in situ/Ready Mix C.C. M-20 of trap metal for R.C.C. work in foundations like raft, strip foundations, grillage & footings of R.C.C. columns & steel stanchions etc. (Excluding reinforcement & structural steel) 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) (using ARTIFICIAL SAND).			
Completed Item Rate as per SSR 2022-23 I/P 25.11/178			7104.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 7104.00) =		-142.08
			=====
			6961.92
Add 5.00% of Rs. 6961.92 For Sugar Factory Area On DSR Rate			348.10
			=====
			7310.02
Total Additional Charges			581.20
Add for Cement for 5.000 KM			
( 164.99 - 0.00) = 164.99 * 0.350000	=		57.75
Add for Artificial Sand for 15.000 KM			
( 410.55 - 0.00) = 410.55 * 0.425000	=		174.48
Add for Metal below 40 mm for 15.000 KM			
( 410.55 - 0.00) = 410.55 * 0.850000	=		348.97
			=====
			581.20
			=====
			7891.22
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 7104.00) =		142.08
			=====
			8033.30
	Total Rate Rs.		<b>8,033.30</b>
			Per Cubic Metre
			=====

R.A. NO : 3

Providing & 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 & drawing or as directed, including steel centering, formwork, cover blocks, laying/pumping, compaction, finishing formed surfaces with C.M. 1:3 of sufficient min. thickness to give smooth & even surface or roughening surface if special finish is to be provided & curing, etc. complete. (Excluding reinforcement & 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) (For Ground Floor) (using ARTIFICIAL SAND).

Completed Item Rate as per SSR 2022-23 I/P 25.31/179	13783.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 13783.00) = -275.66
	=====
	13507.34
Add 5.00% of Rs. 13507.34 For Sugar Factory Area On DSR Rate	675.37
	=====
	14182.71
Total Additional Charges	581.20
Add for Cement for 5.000 KM	
( 164.99 - 0.00) = 164.99 * 0.350000	= 57.75
Add for Artificial Sand for 15.000 KM	
( 410.55 - 0.00) = 410.55 * 0.425000	= 174.48
Add for Metal below 40 mm for 15.000 KM	
( 410.55 - 0.00) = 410.55 * 0.850000	= 348.97
	=====
	581.20
	=====
	14763.91
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 13783.00) = 275.66
	=====
	15039.57
	Total Rate Rs. <b>15,039.55</b>
	Per Cubic Metre
	=====

R.A. NO : 4

Providing IIInd class B.B. masonry with conventional / I.S. type bricks in C.M. 1:6 in foundations & plinth of inner walls / in plinth of external walls including bailing out water, striking joints, on unexposed faces, racking out joints on exposed faces & watering complete. (using ARTIFICIAL SAND).

Completed Item Rate as per SSR 2022-23 I/P 27.01/197	7755.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 7755.00) = -155.10
	=====
	7599.90
Add 5.00% of Rs. 7599.90 For Sugar Factory Area On DSR Rate	380.00
	=====
	7979.90
Total Additional Charges	776.63
Add for Cement for 5.000 KM	
( 164.99 - 0.00) = 164.99 * 0.079000	= 13.03
Add for Artificial Sand for 15.000 KM	
( 410.55 - 0.00) = 410.55 * 0.320000	= 131.38
Add for Bricks for 25.000 KM	
( 1.33098 - 0.00000) = 1.33098 * 475.000000	= 632.22
	=====
	776.63
	=====
	8756.53
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 7755.00) = 155.10
	=====
	8911.63
	Total Rate Rs. <b>8,911.65</b>
	Per Cubic Metre
	=====

R.A. NO : 5

Filling in plinth & floors with contractors material complete.

Completed Item Rate as per SSR 2022-23 I/P 21.37/157		599.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 599.00) =	-11.98
		=====
		587.02
Add 5.00% of Rs. 587.02 For Sugar Factory Area On DSR Rate		29.35
		=====
		616.37
Total Additional Charges		393.44
Add for Hard murum for 15.000 KM		
( 393.44 - 0.00) = 393.44 * 1.000000	=	393.44
		=====
		393.44
		=====
		1009.81
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 599.00) =	11.98
		=====
		1021.79
	Total Rate Rs.	<b>1,021.80</b>
		Per Cubic Metre
		=====

R.A. NO : 6

Providing structural steel work in hollow section of various thickness & sizes in square, rectangular & round shape from 25 to 450 mm section as per I.S. : 4923 YST 310 grade produced from iron ore & blast furnace route, etc. including cutting, fabricating, hoisting, erecting, fixing, making riveted / bolted / welded connections & painting complete. (For Ground Floor)

Completed Item Rate as per SSR 2022-23 I/P 23.12/174		118790.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 118790.00) =	-2375.80
		=====
		116414.20
Add 5.00% of Rs. 116414.20 For Sugar Factory Area On DSR Rate		5820.71
		=====
		122234.91
Total Additional Charges		164.99
Add for Tubular Steel for 5.000 KM		
( 164.99 - 0.00) = 164.99 * 1.000000	=	164.99
		=====
		164.99
		=====
		122399.90
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 118790.00) =	2375.80
		=====
		124775.70
	Total Rate Rs.	<b>1,24,775.70</b>
		Per Metric Ton
		=====

R.A. NO : 7

Providing structural steel work in trusses, other similar trussed purlins, etc. & 1 coat of anticorrosive paint & 2 coats of oil painting complete. (For Ground Floor)

Completed Item Rate as per SSR 2022-23 I/P 23.04/173		119459.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 119459.00) =	-2389.18
		=====
		117069.82
Add 5.00% of Rs. 117069.82 For Sugar Factory Area On DSR Rate		5853.49
		=====
		122923.31
Total Additional Charges		164.99
Add for Structural Steel for 5.000 KM		
( 164.99 - 0.00) = 164.99 * 1.000000	=	164.99
		=====
		164.99
		=====
		123088.30
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 119459.00) =	2389.18
		=====
		125477.48
	Total Rate Rs.	<b>1,25,477.50</b>
		Per Metric Ton
		=====

R.A. NO : 8

Providing & fabricating structural steel work in rolled sections like joists, channels, angles, tees, etc. & 1 coat of anticorrosive paint & 2 coats of oil painting. complete. (For Ground Floor)

Completed Item Rate as per SSR 2022-23 I/P 23.01/173	101844.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 101844.00) = -2036.88
	=====
	99807.12
Add 5.00% of Rs. 99807.12 For Sugar Factory Area On DSR Rate	4990.36
	=====
	104797.48
Total Additional Charges	164.99
Add for Structural Steel for 5.000 KM	
( 164.99 - 0.00) = 164.99 * 1.000000	= 164.99
	=====
	164.99
	=====
	104962.47
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 101844.00) = 2036.88
	=====
	106999.35
	Total Rate Rs. <b>1,06,999.35</b>
	Per Metric Ton
	=====

R.A. NO : 9

Providing & fixing TMT FE-500 bar reinforcement of various dia for R.C.C. items complete. (For Ground Floor)

Completed Item Rate as per SSR 2022-23 I/P 26.33/188	89703.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 89703.00) = -1794.06
	=====
	87908.94
Add 5.00% of Rs. 87908.94 For Sugar Factory Area On DSR Rate	4395.45
	=====
	92304.39
Total Additional Charges	164.99
Add for TMT-FE-500 Steel for 5.000 KM	
( 164.99 - 0.00) = 164.99 * 1.000000	= 164.99
	=====
	164.99
	=====
	92469.38
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 89703.00) = 1794.06
	=====
	94263.44
	Total Rate Rs. <b>94,263.45</b>
	Per Metric Ton
	=====

R.A. NO : 10

Providing sand faced plaster externally in C.M. using approved screened sand in all positions including base coat of 15 mm thick in C.M. 1:4 using W.P. compound at 1 Kg per cement bag curing same for not less than 2 days & keeping surface of base coat rough to receive sand faced treatment of 6 to 8 mm thick in C.M. 1:4 finishing surface by taking out grains & curing for fourteen days, scaffolding etc. complete. (For Ground Floor) (using ARTIFICIAL SAND).

Completed Item Rate as per SSR 2022-23 I/P 32.11/209	639.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 639.00) = -12.78
	=====
	626.22
Add 5.00% of Rs. 626.22 For Sugar Factory Area On DSR Rate	31.31
	=====
	657.53
Total Additional Charges	15.61
Add for Cement for 5.000 KM	
( 164.99 - 0.00) = 164.99 * 0.012500	= 2.06
Add for Artificial Sand for 15.000 KM	
( 410.55 - 0.00) = 410.55 * 0.033000	= 13.55
	=====
	15.61
	=====
	673.14
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 639.00) = 12.78
	=====
	685.92
	Total Rate Rs. <b>685.90</b>
	Per Square Metre
	=====

R.A. NO : 11

Providing & laying vitrified mirror / glossy finish tiles decorative type having size 590 to 605 X 590 to 605 mm of 8 to 10 mm thick & confirming to IS 15622-2006 (Group B1a) of approved make, shade & pattern for flooring in required position laid on bed of 1:4 C.M. including neat cement float, filling joints, curing & cleaning etc. complete. - Flooring (For Ground Floor) (using ARTIFICIAL SAND).

Completed Item Rate as per SSR 2022-23 I/P 33.40/217		1177.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 1177.00) =	-23.54
		=====
		1153.46
Add 5.00% of Rs. 1153.46 For Sugar Factory Area On DSR Rate		57.67
		=====
		1211.13
Total Additional Charges		36.92
Add for Cement for 5.000 KM		
( 164.99 - 0.00) = 164.99 * 0.010000	=	1.65
Add for Artificial Sand for 15.000 KM		
( 410.55 - 0.00) = 410.55 * 0.017000	=	6.98
Add for Flooring Tiles for 15.000 KM		
( 28.29 - 0.00) = 28.29 * 1.000000	=	28.29
		=====
		36.92
		=====
		1248.05
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 1177.00) =	23.54
		=====
		1271.59
	Total Rate Rs.	<b>1,271.60</b>
	Per Square Metre	
		=====

R.A. NO : 12

Providing & laying C.C. M-20 with tremix treatment for 100 mm thick flooring & groove cutting of 4 mm wide 20 mm deep with necessary refilling with bitumen etc. complete. (For Ground Floor) (using ARTIFICIAL SAND).

Completed Item Rate as per SSR 2022-23 I/P 33.30/216		796.00
Deduct 2.00% for Labour amenities & Cess	(-2.00 / 100 * 796.00) =	-15.92
		=====
		780.08
Add 5.00% of Rs. 780.08 For Sugar Factory Area On DSR Rate		39.00
		=====
		819.08
Total Additional Charges		58.12
Add for Cement for 5.000 KM		
( 164.99 - 0.00) = 164.99 * 0.035000	=	5.77
Add for Artificial Sand for 15.000 KM		
( 410.55 - 0.00) = 410.55 * 0.042500	=	17.45
Add for Metal below 40 mm for 15.000 KM		
( 410.55 - 0.00) = 410.55 * 0.085000	=	34.90
		=====
		58.12
		=====
		877.20
Add Back 2.00% for Labour amenities & Cess	(2.00 / 100 * 796.00) =	15.92
		=====
		893.12
	Total Rate Rs.	<b>893.10</b>
	Per Square Metre	
		=====

Junior/Sectional Engineer  
Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
Z.P. Sub Division, Karveer

Name of Work : Construction of Aadishakti Agro Infinity Farmer  
 Producer Company Ltd Sajani Taluka Hatkanangle  
 Dist Kolhapur

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

Item # Sub-Est #	Item	Item Quantity	Consum- ption/Unit	Material Quantity
MATERIAL : HARD MURUM				
8 1	Filling in plinth & floors with contractors of material complete.	288.060 Cu.M.	1.000000	288.060 Cum
Total for Hard murum				288.06
Grand Total for All Materials				288.06

R O Y A L T Y C H A R G E S

Sr #	Material	Total Quantity	Royalty Rate	Royalty Amount
1	Hard murum	288.06	216.18	62272.81
				62,272.81

Junior/Sectional Engineer  
 Z.P. Sub Division, Karveer

Deputy Engineer (Works)  
 Z.P. Sub Division, Karveer

Zilla Parishad, Kolhapur  
Z.P. Sub Division, Karveer

Name of Construction of Aadishakti Agro  
Infinity Farmer Producer Company  
Ltd Sajani Taluka Hatkanangle Dist  
Kolhapur

Estimated ( 1,41,00,741.00