

E S T I M A T E

DIVISION :  
 SUB-DIVISION :  
 FUND HEAD :  
 MAJOR HEAD :  
 MINOR HEAD :  
 SERVICE HEAD :  
 DEPARTMENTAL HEAD :



Estimate framed in Satara for the probable expenses that will be incurred for the work of Construction of Besan Unit, Dal Meal and Cleaning & Grading Unit For Ponnima Agro Farmer Producer Company Ltd. In Gat No 748 At:-Vetane Tal:-Khatav Dist:- Satara. Land Owner Name- Mr.Mahesh Shivaaji Mane.

Rs. 56,76,823.00

Estimate Prepared by :  
 Estimate Checked by :  
 Technical Sanction :  
 Dated : / /  
 Administrative Approval :  
 Dated : / /

GENERAL DESCRIPTION

- - - As per separate sheet attached - - -





Name of Work : Construction of Besan Unit, Dal Meal and Cleaning N Grading Unit For Pornima Agro Farmer Producer Company Ltd. In Gat No 748 At:-Vetane Tal:-Khatav Dist:- Satara.  
Land Owner Name- Mr.Mahesh Shivaji Mane.

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 Besan Unit, Dal Meal and Cleaning N Grading Unit	Rs. 48,10,536.00
Add G.S.T. on Governmental Contract Works @ 18.00% On (B)	Rs. 8,65,896.00
	<b>(C) Rs. 56,76,432.00</b>
Add	Rs. 391.00
	<b>Rs. 56,76,823.00</b>
	Say Rs. 56,76,823.00





Name of Work : Construction of Besan Unit, Dal Meal and Cleaning & Grading Unit For Purnima Agro Farmer Producer Company Ltd. In Gat No 748 At:-Vetane Tal:-Khatav Dist:- Satara.  
Land Owner Name- Mr.Mahesh Shivaji Mane.

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

Quantity	Description	Rate	Unit	Amount
	ITEM NO : 1			
139.580	Excavation for foundation in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed, excetra complete. (By Manual Means)	262.90	One Cubic Metre	36695.58
	SSR 2022-23 I/P 12.02/84	239.00		
	Add 10.00% For Hilly/Inacce. Area	23.90		
		=====		
		262.90		
	ITEM NO : 2			
29.460	Excavation for foundation in hard murum including shoring and strutting as necessary and disposing off excavated stuff as directed, excetra complete.	265.10	One Cubic Metre	7809.85
	SSR 2022-23 I/P 12.04/84	241.00		
	Add 10.00% For Hilly/Inacce. Area	24.10		
		=====		
		265.10		
	ITEM NO : 3			
40.020	Providing soling using 80 milimetre size trap metal in 15 centimetre layer including filling voids with crushed sand / grit, ramming, watering, excetra complete.	1984.05	One Cubic Metre	79401.68
	Rate as per R. A. No. - 1			
	ITEM NO : 4			
53.170	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).	6705.55	One Cubic Metre	356534.09
	Rate as per R. A. No. - 2			
		=====		
		480441.20		
		=====		



Quantity	Description	Rate	Unit	Amount
		Amount b/f		480441.20
ITEM NO : 5				
29.460	Filling in plinth and floors with approved excavated materials in 15 centimetre to 20 centimetre layers including watering and compacting, excetra complete.	132.00	One Cubic Metre	3888.72
	SSR 2022-23 I/P 21.36/157	120.00		
	Add 10.00% For Hilly/Inacce. Area	12.00		
		=====		132.00
ITEM NO : 6				
165.960	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.	911.10	One Cubic Metre	151206.16
	Rate as per R. A. No. - 3			
ITEM NO : 7				
54.930	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundations and plinth of inner walls / in plinth of external walls including bailling out water, striking joints on unexposed faces and watering, excetra complete. (using ARTIFICIAL SAND).	6050.70	One Cubic Metre	332364.95
	Rate as per R. A. No. - 4			
ITEM NO : 8				
9.050	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).	9606.35	One Cubic Metre	86937.47
	Rate as per R. A. No. - 5			
ITEM NO : 9				
79.080	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).	9869.25	One Cubic Metre	780460.29
	Rate as per R. A. No. - 6			
ITEM NO : 10				
433.710	Providing and fixing corrugated galvanised iron sheets of 0.63 milimetre thick (24 B.W.G) for roofing without wind tiles including fastening with galvanised iron screw and bolts and lead / bitumen washers as per drawing, excetra complete. (Weight 5.5 killogram per square metre) (For Ground Floor)	957.00	One Square Metre	415060.47
	SSR 2022-23 I/P 38.04/233	870.00		
	Add 10.00% For Hilly/Inacce. Area	87.00		
		=====		957.00
ITEM NO : 11				
11.719	Providing structural steel work in trusses, other similar trussed purlins and members with all	131860.40	One Metric	1545272.03
				=====
				3795631.29
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/f	Ton	3795631.29
Ton	bracing, gusset plates excetra as per detailed desings and drawings or as directed including cutting, 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. - 8			
43.200	ITEM NO : 12 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) SSR 2022-23 I/P 39.24/248 Add 10.00% For Hilly/Inacce. Area	5311.90	One Square Metre	229474.08
		4829.00		
		482.90		
		=====		
		5311.90		
396.960	ITEM NO : 13 Providing internal cement plaster 20 milimetre thick in single coat in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing, excetra complete. (For Ground Floor) (using ARTIFICIAL SAND). Rate as per R. A. No. - 9	420.65	One Square Metre	166981.22
318.220	ITEM NO : 14 Providing sand faced plaster externally in cement mortar using approved screened sand in all 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	714.20	One Square Metre	227272.72
40.320	ITEM NO : 15 Providing and fixing mild steel grill work for windows, ventilator, excetra 20 kilogram per square	2316.60	One Square	93405.31
		=====		
				4512764.62
		=====		



Quantity	Description	Rate	Unit	Amount
	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. - 11	Amount b/f	Metre	4512764.62
6.770	ITEM NO : 16 Providing and fixing solid core flush door shutter in single leaf 32 milimetre thick decorative type of exterior grade as per detailed drawings, approved face veneers 3 milimetre thick on both faces or as directed, all necessary beads, moulding and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides and finishing with french polish, excetra complete. (For Ground Floor) SSR 2022-23 I/P 39.09/246 Add 10.00% For Hilly/Inacce. Area	3386.90	One Square Metre	22929.31
				3079.00
				307.90
				=====
				3386.90
6.600	ITEM NO : 17 Providing and fixing cold rolled steel hollow door frame 105 milimetre X 60 milimetre for any sizes including hold fast, hinges, tie members with red oxide and gray paint, excetra complete as per Indian Standards Institution specifications and code of practice prescribed including anticorrosive treatment, excetra complete as directed by the Engineer. (For Ground Floor) SSR 2022-23 I/P 39.49/256 Add 10.00% For Hilly/Inacce. Area	2215.40	One Running Metre	14621.64
				2014.00
				201.40
				=====
				2215.40
443.910	ITEM NO : 18 Providing and applying washable oil bound distemper of approved colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces (excluding the primer coat), excetra complete. (For Ground Floor) SSR 2022-23 I/P 36.11/227 Add 10.00% For Hilly/Inacce. Area	52.80	One Square Metre	23438.45
				48.00
				4.80
				=====
				52.80
405.450	ITEM NO : 19 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) SSR 2022-23 I/P 35.26/225 Add 10.00% For Hilly/Inacce. Area	324.50	One Square Metre	131568.53
				295.00
				29.50
				=====
				324.50
0.390	ITEM NO : 20 Providing and laying cast in situ / Ready Mix cement concrete M-20 of trap/ granite / quartzite/	15601.40	One Cubic	6084.55
				=====
				4711407.10
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/E		4711407.10
			Metre	
	Metre gneias metal for reinforced cement concrete slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying / pumping, compaction, finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening 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. - 12			
2.000 Number	ITEM NO : 21 Providing and fixing Orissa Type colour glazed earthenware 625 milimetre X 450 milimetre water closet pan including trap, cast iron soil and vent pipe upto the out side face of wall including 100 milimetre diameter cast iron plug bend, 15 milimetre thick 10 litre polyvinyl chloride flushing cistern with all necessary pipe connection, excetra complete. (For Ground Floor) SSR 2022-23 I/P 42.35/277 Add 10.00% For Hilly/Inacce. Area	11154.00	One Number	22308.00
				10140.00
				1014.00
				=====
				11154.00
1.000 Number	ITEM NO : 22 Providing and fixing white glazed earthenware wash hand basin of 55 centimetre X 40 centimetre size including cold water piller tap / cold and hot water piller tap brackts, rubber plugs and brass chain, stop tap and necessary pipe connections including polyvinyl chloride waste pipe and trap upto the outside face of the wall. Making good the damaged surface, testing excetra complete. (For Ground Floor) SSR 2022-23 I/P 41.63/272 Add 10.00% For Hilly/Inacce. Area	6158.90	One Number	6158.90
				5599.00
				559.90
				=====
				6158.90
45.000 Running Metre	ITEM NO : 23 Providing, laying and fixing polyvinyl chloride pipe of 15 milimetre diameter with fittings, such as bends, tees, reducers, clamps, excetra including necessary excavation, trench filling, excetra complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed excetra complete. SSR 2022-23 I/P 42.21/276 Add 10.00% For Hilly/Inacce. Area	90.20	One Running Metre	4059.00
				82.00
				8.20
				=====
				90.20
23.000 Running	ITEM NO : 24 Providing, laying and fixing polyvinyl chloride pipe of 110 milimetre diameter with fittings such	653.40	One Running	15028.20
				=====
				4758961.20
				=====



Quantity	Description	Rate	Unit	Amount
		Amount b/l	Metre	4758961.20
Metre	as bends, tees, reducers, clamps, excetra including necessary excavation, trench filling, excetra complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed excetra complete.			
	SSR 2022-23 I/P 42.28/277	594.00		
	Add 10.00% For Hilly/Inacce. Area	59.40		
		=====		653.40
	ITEM NO : 25			
1000.000	Providing and fixing high density polyethylen container one piece moulded water tank made out of high density polyethylen and built corrugated inclusive of delivery upto destination housing, fixing of accessories such as inlet, outlet, overflow pipe inclusive of all Taxes. Capacity between 200 litres to 1000 litres. (For Ground Floor)	15.40	One	15400.00
Litre			Litre	
	SSR 2022 23 I/P 42.53/280	14.00		
	Add 10.00% For Hilly/Inacce. Area	1.40		
		=====		15.40
	ITEM NO : 26			
1.000	Providing and fixing hume pipe septic tank 900 millimetre diameter with vent pipe and cap including excavation and laying.	18803.90	One	18803.90
Number			Number	
	Rate as per R. A. No. 13			
	ITEM NO : 27			
1.000	Providing and constructing brick masonry inspection chamber 90 centimetre X 45 centimetre X 90 centimetre including 1:4:8 cement concrete foundation, 1:2:4 cement concrete channels, half round glazed stoneware pipes, brick masonry, plastering from inside and cast iron lid cover 75 kilogram with frame fixed in cement concrete, excetra complete. (using ARTIFICIAL SAND).	17371.10	One	17371.10
Number			Number	
	Rate as per R. A. No. - 14			
				=====
				48,10,536.20
		Say Rs.		48,10,536.00
				=====



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Name of Work : Construction of Besan Unit, Dal Meal and Cleaning & Grading Unit For Purnima Agro Farmer Producer Company Ltd. In Gat No 748 At:-Vetane Tal:-Khatav Dist:- Satara.  
 Land Owner Name- Mr.Mahesh Shivaji Mans.

M E A S U R E M E N T

	No.	Length	Breadth	Height	Quantity
ITEM NO : 1					
Excavation for foundation in earth, soils, SM, etc. (By Manual Means)					
1	Cleaning And Grading Unit	2.0 *	15.960 *	0.750 *	1.200 = 28.728
2	SW	2.0 *	7.960 *	0.750 *	1.200 = 14.328
3	Katta	6.0 *	3.000 *	1.500 *	0.600 = 16.200
4	Steps	1.0 *	2.400 *	1.200 *	0.600 = 1.728
5	Toilet Unit LW	4.0 *	1.960 *	0.450 *	0.900 = 3.175
6	SW	4.0 *	1.000 *	0.450 *	0.900 = 1.620
7	Dall Mill Unit	2.0 *	12.000 *	0.750 *	1.200 = 21.600
8	SW	2.0 *	8.500 *	0.750 *	1.200 = 15.300
9	Besan Plant Unit	2.0 *	12.000 *	0.750 *	1.200 = 21.600
10	SW	2.0 *	8.500 *	0.750 *	1.200 = 15.300
					=====
					139.580
					Cubic Metre
					=====

ITEM NO : 2					
Excavation for foundation in HM.					
1	Cleaning And Grading Unit	2.0 *	15.960 *	0.750 *	0.300 = 7.182
2	SW	2.0 *	8.500 *	0.750 *	0.300 = 3.825
3	Dall Mill Unit	2.0 *	12.000 *	0.750 *	0.300 = 5.400
4	SW	2.0 *	8.500 *	0.750 *	0.300 = 3.825
5	Besan plant unit	2.0 *	12.000 *	0.750 *	0.300 = 5.400
6	SW	2.0 *	8.500 *	0.750 *	0.300 = 3.825
					=====
					29.460
					Cubic Metre
					=====



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ITEM NO : 3

Soling using 80 mm trap metal.

	No.	Length	Breadth	Height	Quantity
1 Katta	6.0 *	3.000 *	1.500 *	0.300 =	8.100
2 Steps	1.0 *	2.400 *	1.200 *	0.300 =	0.864
3 Toilet Unit LW	4.0 *	1.960 *	0.450 *	0.300 =	1.058
4 SW	4.0 *	1.000 *	0.450 *	0.300 =	0.540
5 Cleaning And Grading Unit	2.0 *	15.960 *	0.750 *	0.300 =	7.182
6 SW	2.0 *	8.500 *	0.750 *	0.300 =	3.825
7 Besan plant unit	2.0 *	12.000 *	0.750 *	0.300 =	5.400
8 SW	2.0 *	8.500 *	0.750 *	0.300 =	3.825
9 Dall Mill Unit	2.0 *	12.000 *	0.750 *	0.300 =	5.400
10 SW	2.0 *	8.500 *	0.750 *	0.300 =	3.825

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40.020

Cubic Metre

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ITEM NO : 4

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 Katta	6.0 *	3.000 *	1.500 *	0.150 =	4.050
2 Steps	1.0 *	2.400 *	1.200 *	0.150 =	0.432
3 Toilet Unit LW	4.0 *	1.960 *	0.450 *	0.150 =	0.529
4 SW	4.0 *	1.000 *	0.450 *	0.150 =	0.270
5 Cleaning And Grading Unit	2.0 *	15.960 *	0.750 *	0.150 =	3.591
6 SW	2.0 *	8.500 *	0.750 *	0.150 =	1.913
7 Besan plant unit	2.0 *	10.000 *	0.750 *	0.150 =	2.250
8 SW	2.0 *	8.500 *	0.750 *	0.150 =	1.913
9 Dall Mill Unit	2.0 *	10.000 *	0.750 *	0.150 =	2.250
10 SW	2.0 *	8.500 *	0.750 *	0.150 =	1.913
11 Cleaning And Grading Unt	1.0 *	15.500 *	9.000 *	0.100 =	13.950
12 Dall Mill Unit	1.0 *	10.540 *	9.540 *	0.100 =	10.055
13 Besan Plant Unit	1.0 *	10.540 *	9.540 *	0.100 =	10.055

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53.170

Cubic Metre

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ITEM NO : 5

Filling in plinth & floors with excavated materials.

1 Qty as per Item 2, Sub-Est 1	1.0 *	29.460 *	---	*	---	29.460
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29.460

Cubic Metre

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	No.	Length	Breadth	Height	Quantity
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ITEM NO : 6

Filling in plinth & floors with contractors material.

1 Cleaning And Grading Unit	1.0 *	14.460 *	7.960 *	0.600 =	69.061
2 Dall Mill Unit	1.0 *	9.500 *	8.500 *	0.600 =	48.450
3 Besan Unit	1.0 *	9.500 *	8.500 *	0.600 =	48.450
					=====
					165.960
					Cubic Metre
					=====

ITEM NO : 7

U.C.R. masonry in C.M. 1:6 in foundations & plinth. (using ART. SAND).

1 Cleaning And Grading Unit	2.0 *	15.960 *	0.450 *	0.900 =	12.928
2 SW	2.0 *	8.560 *	0.450 *	0.600 =	4.622
3 Toilet Unit LW	4.0 *	1.960 *	0.450 *	0.600 =	2.117
4 SW	4.0 *	1.000 *	0.450 *	0.600 =	1.080
5 Dall Mill Unit	2.0 *	12.000 *	0.450 *	0.900 =	9.720
6 SW	2.0 *	9.100 *	0.450 *	0.900 =	7.371
7 Besan Plant Unit	2.0 *	12.000 *	0.450 *	0.900 =	9.720
8 SW	2.0 *	9.100 *	0.450 *	0.900 =	7.371
					=====
					54.930
					Cubic Metre
					=====

ITEM NO : 8

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

1 Kutta	6.0 *	3.000 *	0.230 *	0.750 =	3.105
2 SW	12.0 *	1.500 *	0.230 *	0.750 =	3.105
3 Steps 1	3.0 *	2.100 *	0.900 *	0.300 =	1.701
4 Steps 2	3.0 *	2.100 *	0.600 *	0.200 =	0.756
5 Steps 3	3.0 *	2.100 *	0.300 *	0.200 =	0.378
					=====
					9.050
					Cubic Metre
					=====

ITEM NO : 9

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

1 Cleaning And Grading Unit	2.0 *	15.960 *	0.230 *	3.000 =	22.025
2 BS	2.0 *	9.000 *	0.230 *	3.000 =	12.420
3 Dall Mill Unit & Besan Plant	4.0 *	11.000 *	0.230 *	3.000 =	30.360
4 SW	4.0 *	9.540 *	0.230 *	3.000 =	26.330
6 Toilet Unit LW	6.0 *	1.960 *	0.230 *	2.400 =	6.492
7 SW	6.0 *	1.000 *	0.230 *	2.400 =	3.312
					-----
					Total
					100.940
					-----
5 Deduction For Door	-4.0 *	1.200 *	0.230 *	2.400 =	-2.650
8 Deduction For Shutter	-6.0 *	2.400 *	0.230 *	3.000 =	-9.936



	No.	Length	Breadth	Height	Quantity
9 Deduction for Windows	-28.0 *	1.200 *	0.230 *	1.200 =	-9.274
			Less		-21.860
					79.080
					Cubic Metre

ITEM NO : 10  
P/F corrugated G.I. sheets 0.63 mm th (24 BWG) for roofing without wind tiles. (For Ground Floor)

1 Roofing For Cleaning And Grading Unit	1.0 *	16.560 *	10.060 *	---	= 166.594
2 Roofing For Dall Mill Unit	1.0 *	12.600 *	10.600 *	---	= 133.560
3 Roofing For Besan Plant Unit	1.0 *	12.600 *	10.600 *	---	= 133.560
					433.710
					Square Metre

ITEM NO : 11  
Structural steel work in trusses. (For Ground Floor)

1 Equipment Unit= Vertical Posts I 125x70	2*6*4.30*13.30/1000				= 0.686
2	2*4*4.30*13.30/1000				= 0.458
3 Horizontal Sq 50x50x4	2*4*16.00*5.72/1000				= 0.732
4 Horizontal Sq 50x50x4	2*4*10.00*5.72/1000				= 0.458
5 Dall Mill And Besan Unit= Vertical Posts	4*5*4.30*13.30/1000				= 1.144
6 Vertical Posts I 125x70	4*4*4.30*13.30/1000				= 0.915
7 Horizontal Sq 50x50x4	4*4*12.00*5.72/1000				= 1.098
8 Horizontal Sq 50x50x4	4*4*10.00*5.72/1000				= 0.915
9 Roofing Rafter C 100x50	2*11*10.00*9.56/1000				= 2.103
10 Angle 50x50x5	2*7*16.00*3.80/1000				= 0.851
11 Rafter C 100x50	2*9*10.00*9.56/1000				= 1.721
12 Angle 50x50x5	2*7*12.00*3.80/1000				= 0.638
					11.719
					Metric Ton

ITEM NO : 12  
P/F rolling shutter. - without mechanical gear (For Ground Floor)

1	6.0 *	2.400 *	---	*	3.000 = 43.200
					43.200
					Square Metre



	No.	Length	Breadth	Height	Quantity
ITEM NO : 13					
Internal C.P. 20 mm th single coat in C.M. 1:1.5. (For Ground Floor) (using ART. SAND).					
1	Cleaning And Grading Unit	2.0 *	15.500 *	---	* 3.000 = 23.000
2		2.0 *	9.000 *	---	* 1.500 = 27.000
3	Dall Mill Unit	2.0 *	11.540 *	---	* 3.000 = 69.240
4		2.0 *	9.540 *	---	* 3.000 = 57.240
5	Toilet Unit LW	4.0 *	1.500 *	---	* 2.400 = 14.400
6	SW	4.0 *	1.000 *	---	* 2.400 = 9.600
7	Besan Unit	2.0 *	11.540 *	---	* 3.000 = 69.240
8	SW	2.0 *	9.540 *	---	* 3.000 = 57.240
					=====
					396.960
					Square Metre
					=====

ITEM NO : 14					
Sand faced plaster. (For Ground Floor) (using ART. SAND).					
1	Toilet Unit	4.0 *	1.960 *	---	* 2.400 = 18.216
2	SW	4.0 *	1.000 *	---	* 2.400 = 9.600
3	Cleaning And Grading Unit	2.0 *	15.960 *	---	* 3.000 = 95.760
4	SW	2.0 *	9.460 *	---	* 3.000 = 56.760
5	Dall Mill Unit	2.0 *	10.000 *	---	* 3.000 = 60.000
6		2.0 *	12.000 *	---	* 3.000 = 72.000
10	Besan Plant Unit	2.0 *	12.000 *	---	* 3.000 = 72.000
11		2.0 *	10.000 *	---	* 3.000 = 60.000
					-----
					Total
					444.940
					-----
7	Deduction For Shutter	-8.0 *	2.400 *	---	* 3.000 = -57.600
8	Deduction For Windows	-40.0 *	1.200 *	---	* 1.200 = -57.600
9	Deduction For Doors	-4.0 *	1.200 *	---	* 2.400 = -11.520
					-----
					Less
					-126.720
					=====
					318.220
					Square Metre
					=====

ITEM NO : 15					
P/F M.S. grill work for windows, ventilator etc. 20 Kg/Sqm. (For Ground Floor)					
1		28.0 *	1.200 *	---	* 1.200 = 40.320
					=====
					40.320
					Square Metre
					=====

ITEM NO : 16  
P/F solid core flush door shutter in single leaf 32 mm th decorative type of exterior grade, face veneers 3 mm thick on both faces. (For Ground Floor)



No.	Length	Breadth	Height	Quantity
1	3.0 *	1.100 *	---	2.050 = 6.768
				6.770
				Square Metre

ITEM NO : 17  
P/F CR steel hollow door frame 105 X 60 mm. (For Ground Floor)

1				
2	2.0 *	1.200 *	---	2.400
	2.0 *	2.100 *	---	4.200
				6.600
				Running Metre

ITEM NO : 18  
P/A washable oil bound distemper to old & new surfaces 2 coats. (For Ground Floor)

1 Qty as per Item 14, Sub-Est 1	1.0 *	443.910 *	---	443.910
				443.910
				Square Metre

ITEM NO : 19  
P/A 2 coats of exterior weather shield paint to plastered surfaces. (For Ground Floor)

1 Qty as per Item 15, Sub-Est 1	1.0 *	405.450 *	---	405.450
				405.450
				Square Metre

ITEM NO : 20  
P/C M-20 R.C.C. slabs & landings with batch mixer without SCADA. - With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (For Ground Floor) (using ARI. SAND).

1 WC Unit	2.0 *	1.960 *	1.000 *	0.100 = 0.392
				0.390
				Cubic Metre

ITEM NO : 21  
P/F crissa type colour glazed earthenware 625 X 450 mm W.C. pan with 10 lit P.V.C. flushing cistern. (For Ground Floor)

1 WC Pan	2.0 *	---	*	---	2.000
					2.000
					Number

ITEM NO : 22  
P/F white glazed earthenware W.H.B. 55 X 40 cm. (For Ground Floor)

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



No.	Length	Breadth	Height	Quantity
ITEM NO : 23 P/L/F P.V.C. pipe 15 mm dia including necessary excavation, trench filling.				
1	1.0 *	45.000 *	---	= 45.000
				=====
				45.000
				Running Metre
				=====
ITEM NO : 24 P/L/F P.V.C. pipe 110 mm dia including necessary excavation, trench filling.				
1	1.0 *	23.000 *	---	= 23.000
				=====
				23.000
				Running Metre
				=====
ITEM NO : 25 P/F H.D.P. container 1 piece moulded water tank - Capacity 200 to 1000 lit. (For Ground Floor)				
1	2.0 *	500.000 *	---	= 1000.000
				=====
				1000.000
				Litre
				=====
ITEM NO : 26 P/F hume pipe septic tank 900 mm dia.				
1	1.0 *	---	---	= 1.000
				=====
				1.000
				Number
				=====
ITEM NO : 27 Brick masonry inspection chamber 90 X 45 X 90 cm with C.I. lid 75 kg. (using ART. SAND).				
1	1.0 *	---	---	= 1.000
				=====
				1.000
				Number
				=====

