

Name of Work :Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION  
LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED

## ESTIMATE

DIVISION	✓	
SANCTIONED ESTIMATE	✓	200000
FUND HEAD	✓	
MAJOR HEAD	✓	
MINOR HEAD	✓	
SERVICE HEAD	✓	
DEPARTMENTAL HEAD	✓	

Name of Work :Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION  
LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED

Administrative Approved under

No. Dated Rs. 20,00,000

Technical sanction under

No. Dated Rs. 20,00,000

Estimated prepared by :- Er. K.V.Amrutwad

And checked by :- Er. K.V.Amrutwad

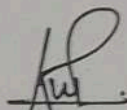
(Call or Authority)

  
K.V.AMRUTWAD  
Regd.Consulting Engineer  
R.No.State/R/2022/APL/00733

Name of Work :Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD  
GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED

## GENERAL ABSTRACT

(A) COST OF CIVIL WORK	Rs.	1652515
(B) Add Royalty	Rs.	31719
(C)Add GST 18%		297453
(D) Add 1% Labour Insurance	Rs.	16525
(E) Add Contengences	Rs.	1789
<b>TOTAL</b>	<b>Rs.</b>	<b>Rs. 20,00,000</b>

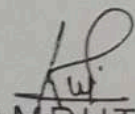
  
**K.V.AMRUTWAD**  
Regd.Consulting Engineer  
R.No.State/R/2022/APL/00733

**Name of Work : Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED**

**ABSTRACT SHEET**

Sr. No.	Item Description	Quantity	Rate	Unit	Amount
1	Excavation for foundation in earth, soils of all types, sand gravel and soft murum, including the removing the excavate material up to a distance of 50 meter beyond the building area preparing the bed for the foundation and necessary back filling ramming watering (including shoring and strutting etc complete life up to 1.50metre).(Item No.21.02 BDA 1 ; Page. No. 197)	7.29	207.00	Cum	1509.03
2	Excavation for foundation in hard murum including removing the excavated material —etc. complete (Item No.21.06, BDA 2 Page No 197)	29.16	227.00	Cum	6619.32
3	Filling in plinth and floors with approved excavated material in 15cm. To 20cm. layers including watering & compaction etc. complete (Item No.21.36 BDA 11 Page.No.201)	23.33	120.00	Cum	2799.36
4	Filling in plinth and floors with contractors soil ,sand or murum in 15cm to 20cm (Item No.21.37 BDA 11 Page.No.201)	105.67	899.16	Cum	95015.33
5	Providing and laying in situ cement concrete in 1:3:6 of trap/ granite /quartzite /gneiss metal for foundation and bedding — etc. complete. (Item No 24.01 BDF 1B Page No 177)	3.65	6468.35	Cum	23577.15
6	Providing and laying in situ. Cement concrete M-15/1:2:4 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water manually , formwork, compacting, curing etc. complete. Bd.E.1 Page No.287 (I.no.24.04, p.no.226)	11.14	7025.26	Cum	78273.04
7	Providing and laying insitu c.c. M-20 of trap/ for footing .etc.complete.(Item No.25.11 BDF 3 Page.No.230)	7.29	7748.24	Cum	56484.64
8	Providing and casting in situ cement concrete M-20 of trap/ geanite /quartzite gneiss metal for reinforced -cement concrete columns - etc. complete. (Item No.25.31,BDF 5 Page.No.230)				0.00
	Ground floor --	7.27	14427.24	Cum	104823.97
9	Providing and casting in situ cement concrete M- 20 of trap/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels ....etc complete. (Excluding reinforcement )(8.50 bag/cum)(Item No.25.50 BDF 6A Page.No.234)				0.00
	Ground floor --	11.25	12913.24	Cum	145274.17
10	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete waist slab & steps as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. ( Excluding reinforcement ) Spec. No.:- BdF.13 Page No.305 (I.NO.26.25,P.NO.179)				0.00
	Ground floor --	1.76	12704.24	Cum	22335.57
11	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete PARDI75mm thick as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No.:- Bd.F.11 Page No.304 (I.NO.26.17,P.NO.178)				0.00
	Ground floor --	1.34	16211.24	Cum	21784.50
12	Providing & fixing in position T.M.T.bar reinforcement of various diameters for reinforced cement concrete pile caps, footing, foundation, slabs, beams, columns, canopies, stair case, newels, chajjas, lintels, pardis, copings, fins, arches -etc. complete .(Item No 26.33, BDF 17A Page.No.245)				0.00
	Ground floor --	3.37	90146.53	M.T,	303704.16
13	Providing masonry with conventional/ Indian standard type bricks in c.m. 1:6 in foundation and plinth —etc. complete. (Item No.27.03 BDG 1 Page.No.254)				0.00
	Ground floor --	10.30	9733.47	Cum	100277.96

Sr. No.	Item Description	Quantity	Rate	Unit	Amount
14	Providing second class burnt brick masonry with conventional/ Indian standard type bricks in cement mortar 1:6 in superstructure including str king joints-etc. complete. (Item No.27.05 BDG 3 Page No 254)				0.00
	Ground floor --	9.81	10213.47	Cum	100212.48
15	Providing sand faced plaster externally in cement mortar using kharasalia/ kasba or similar type of sand , in all positions including base coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6to 8mm thick in C.M. 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete.Bd.L.7Page no.367 (P.No.32.11, L.No.201 )				0.00
	Ground floor --	275.96	655.42	Sqm	180965.68
16	Providing and fixing self supporting steel roofing system for a godown or alike made up of structural grade steel sheet of 914 mm width ( Tolerance +/-0.02 mm. width 914mm Tolerance +/-2 mm)moulded of site using mechanical press dies to the desired curve and shape to form 605 mm wide interlocking panels. The interlocking panels shall be pressed to close the seam forming water light joints for a span of 15.30 m having arch rise as 3.06 m arch length 17.75 m. The base material made up of imported galvalume steel complying to ASTM A792 having base metal th. of 0.80 mm ( Tolerance +/-0.02 mm. width 914mm Tolerance +/-2 mm) with alloy coating AZ 150 and paint coating of regular modified polystar, top coat 25 micron and bottom coat 14 micron as per approved colour, including fixing hangers, clamps etc. as may be necessary of proflex standred including fixing sky light of 2 mm th. polycarbonate sheet of size 2x7 and turbo ventilator of 24" dia. to be installed at evary 30 feet along the length of roof including finishing, festing and cleaning etc.com.BDRAs directed by Eng. in charge (I.No.38.41, P.No.230)				
	Ground floor--	132.75	2264.00	Sqm	300538.30
17	Providing & applying two coats washable oil bound distemper. (I.No.36.11, P.No.218)				
	Ground floor --	275.96	48.00	Scm	13245.84
18	Providing and laying cement concrete flooring 40mm th. With 1:2:4 c.c. and to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30cmx30cm or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and cuing complete. Bd.M.7 page No.383.(i.no.33.39,p.no.205)				
	Ground floor --	111.42	585.86	Sqm	65274.49
				TOTAL	1622615.01
20	Testing Charges				
	i)Bricks- water absorption, coperative strength	1.00	2175.00	No.	2175.00
	ii) Concrete- Compressive Strength	2.00	690.00	No.	1380.00
	iii)Murum- C.B.R.test (Lab)	1.00	6905.00	No.	6905.00
	iv) Steel - Tensile strength & other	2.00	1595.00	No.	3190.00
	v) Concrete mix Design	1.00	16250.00	No.	16250.00
	Net Total Rs.				1652515.01
				Say	1652515

  
**K.V.AMRUTWAD**  
 Regd.Consulting Engineer  
 R.No.State/R/2022/APL/00733

**Name of Work :Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED**

**MEASUREMENT SHEET**

Sr. No.	Item Description	Nos	Length (M)	Breadth (M)	Height/ Dept. (M)	Quantity	Units
1	Excavation for foundation in earth, soils of all types, sand gravel and soft murum, including the removing the excavate material up to a distance of 50 meter beyond the building area preparing the bed for the foundation and necessary back filling ramming watering (including shoring and strutting etc complete life up to 1.50metre).(Item No.21.02 BDA 1 ; Page. No. 197)						
	Auction Shed -column footing	9	1.80	1.50	0.30	7.29	
	<b>Total</b>					<b>7.29</b>	<b>Cum</b>
2	Excavation for foundation in hard murum including removing the excavated material --- etc. complete (Item No.21.06, BDA 2 Page.No.197)						
	Auction Shed -column footing	9	1.80	1.50	1.20	29.16	
	<b>Total</b>					<b>29.16</b>	<b>Cum</b>
3	Filling in plinth and floors with approved excavated material in15cm. To20cm. layers including watering & compaction etc. complete (Item No.21.36 BDA 11 Page.No.201)						
	Column	9	1.80	1.50	1.50	36.45	
	<b>Total</b>					<b>36.45</b>	<b>Cum</b>
	Deduct p.c.c					3.65	
	Conc. Of footing					7.29	
	Conc. Of column					1.06	
	<b>Total</b>					<b>11.99</b>	<b>Cum</b>
					Net	-4.70	<b>Cum</b>
	In plinth - Auction Shed	1	9.14	12.19	1.20	133.70	
	<b>A) Total</b>					<b>129.00</b>	<b>Cum</b>
	<b>B) Qty.available from I.No.2x80%</b>						
				29.16	0.80	23.33	<b>Cum</b>
	<b>Total</b>						
4	Filling in plinth and floors with contractors soil ,sand or murum in 15cm to20cm (Item No.21.37 BDA 11 Page.No.201)						
	Qty.- 4A-4B					105.67	
	<b>Total</b>					<b>105.67</b>	<b>Cum</b>
5	Providing and laying in situ cement concrete in 1:3:6 of trap/ granite /quartzite /gneiss metal for foundation and bedding --- etc. complete. (Item No.24.01 BDE 1B Page.No.226)						
	Shed No. 1-column footing	9	1.80	1.50	0.15	3.65	
	<b>Total</b>					<b>3.65</b>	<b>Cum</b>



Sr. No.	Item Description	Nos	Length (M)	Breadth (M)	Height/ Dept. (M)	Quantity	Units
11	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete PARDI 75mm thick as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No.:- Bd.F.11 Page No.304 (I.NO.26.17,P.NO.178)						
	Side Gutter - Horizontal Pardi -1x2	2	12.19	0.07	0.45	0.77	
	Vertical Pardi -1x2	2	9.14	0.07	0.45	0.58	
					Total qty.	1.34	Cum
14	Providing & fixing in position T.M.T.bar reinforcement of various diameters for reinforced cement concrete pile caps, footing, foundation, slabs, beams, columns, canopies, stair case, newels, chajjas, lintels, pardis, copings, fins, arches -etc. complete .(Item No.26.33, BDF 17A Page.No.245)						
	Plinth Slab	1	11.14	60	1.00	668.50	
	Footing	1	7.29	80.00	1.00	583.20	
	Column	1	7.27	100.00	1.00	726.57	
	Beam	1	11.25	100.00	1.00	1125.00	
	Waist slab	1	1.76	90.00	1.00	158.23	
	Pardi	1	1.34	80.00	1.00	107.50	
					Total	3369.01	
					Total	3.37	M.T
13	Providing masonry with conventional/ Indian standard type bricks in c.m. 1:6 in foundation and plinth -etc. complete. (Item No.27.03 BDG 1 Page.No.254)						
	Auction Shed -Plinth beam-- 1x2	2	12.19	0.23	1.05	5.89	
	1x2	2	9.14	0.23	1.05	4.41	
					Total	10.30	Cum
14	Providing second class burnt brick masonry with conventional/ Indian standard type bricks in cement mortar 1:6 in superstructure including striking joints-etc. complete. (Item No.27.05 BDG 3 Page.No.254)						
		2	0.23	12.19	1.00	5.61	
		2	0.23	9.14	1.00	4.20	
					Total qty.	9.81	Cum
15	Providing sand faced plaster externally in cement mortar using kharasalia/ kasba or similar type of sand , in all positions including base coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6to 8mm thick in C.M. 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete Bd.F. 7 Page no 267 (P.No. 22.11)						

Sr. No.	Item Description	Nos	Length (M)	Breadth (M)	Height/ Dept. (M)	Quantity	Units
	Auction Shed - Plinth	2	12.19	2.50		60.95	
		2	9.14	2.50		45.70	
	column -- $0.6+0.60+0.3+0.3=1.80$	9	1.80	3.50		56.70	
	Roof Beam- 1x2	2	0.30	12.19		7.31	
	-- 1x2	2	0.45	12.19		10.97	
	- 1x2	2	0.45	5.00		4.50	
	-- 1x2	2	0.45	5.00		4.50	
	B. B.Superstructure-- 2x2	4	12.19	1.00		48.76	
		4	9.14	1.00		36.56	
	Net Total qty.					275.96	sqm

- 16 Providing and fixing self supporting steel roofing system for a godown or alike made up of structural grade steel sheet of 914 mm width ( Tolerance +/- 0.02 mm. width 914mm Tolerance +/- 2 mm) moulded of site using mechanical press dies to the desired curve and shape to form 605 mm wide interlocking panels. The interlocking panels shall be pressed to close the seam forming water light joints for a span of 15.30 m having arch rise as 3.06 m arch length 17.75 m. The base material made up of imported galvalume steel complying to ASTM A792 having base metal th. of 0.80 mm ( Tolerance +/- 0.02 mm. width 914mm Tolerance +/- 2 mm) with alloy coating AZ 150 and paint coating of regular modified polystar, top coat 25 micron and bottom coat 14 micron as per approved colour, including fixing hangers, clamps etc. as may be necessary of proflex standard including fixing sky light of 2 mm th. polycarbonate sheet of size 2x7 and turbo ventilator of 24" dia. to be installed at every 30 feet along the length of roof including finishing, festing and cleaning etc.com.BDRAs directed by Eng. in charge

Auction Shed	1	12.19	9.14		111.42	
side	1	9.14	1.00		9.14	
side	1	12.19	1.00		12.19	
					132.75	sqm

- 17 Providing & applying two coats washable oil bound distemper. (I.No.36.11, P.No.218)

Qty. as per I. No.15

275.96 Sqm

- 18 Providing and laying cement concrete flooring 40mm th. With 1:2:4 c.c. laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30cmx30cm or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and curing complete. Bd.M.7 page No.383.(i.no.33.09,p.no.205)

Auction Shed	1	12.19	9.14		111.42	
				Total qty.	111.42	Sqm

## 20 Testing Charges

- |   |   |  |  |  |       |
|---|---|--|--|--|-------|
| i) Bricks- water absorption, compressive strength | 1 |  |  |  | 1 No. |
| ii) Concrete- Compressive Strength                | 2 |  |  |  | 2 No. |

Sr. No.	Item Description	Nos	Length (M)	Breadth (M)	Height/ Dept. (M)	Quantity	Units
	iii) Murum- C.B.R.test (Lab)	1				1 No.	
	iv) Steel - Tensile strength & other	2				2 No.	
	v) Concrete mix Design	1				1 No.	

  
**K.V.AMRUTWAD**  
 Regd.Consulting Engineer  
 R.No.State/R/2022/APL/00733

**Name of Work :Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED**

**RATE ANALYSIS**

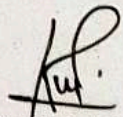
Sr. No.	Item Description	Per unit Quantiy	Lead charges Rs.per unit	Total Amount in Rs.	Units
1	Excavation for foundation in soil(I.No.21.02,P.No.148) A)Ground Floor-Rate as per SSR 2022-2023 Add 4% Extra For Muncipal Council Area			207.00 0.00	
	<b>Total</b>			<b>207.00</b>	<b>Cum</b>
2	Excavation for foundation in hard murum (I.No.21.06,P.No.148) A)Ground Floor-Rate as per SSR 2022-2023 Add 4% Extra For Muncipal Council Area			227.00 0.00	
	<b>Total</b>			<b>227.00</b>	<b>Cum</b>
3	Filling in plinth and floors with approved excavated material in15cm. To20cm. layers including watering & compaction etc. complete (Item No.21.36 BDA 11 Page No 201) A)Ground Floor-Rate as per SSR 2022-2023 Add 4% Extra For Muncipal Council Area			120.00 0.00	
	<b>Total</b>			<b>120.00</b>	<b>Cum</b>
4	Filling in plinth and floors with contractors soil ,sand or murum in 15cm to 20cm (Item No.21.37 BDA 11 Page.No.152) A)Ground Floor-Rate as per SSR 2022-2023 B) Add Lead Charges i) Murum Add 4% Extra For Muncipal Council Area			599.00	
		1.00	300.16	300.16	
				0.00	
	<b>Total</b>			<b>899.16</b>	<b>Cum</b>
5	Providing and laying in situ cement concrete in 1:3:6 of trap/ granite /quartzite /gneiss metal for foundation and bedding — etc. complete. (Item No.24.01 BDE 1B Page No 169) A)Ground Floor-Rate as per SSR 2022-2023			5830.00	
			Total	5830.00	
	B)Deduct Royalty charges of sand	0.47	237.37	111.56	
	C) Sub Total		C=A-B	5718.44	
	D) Add Lead Charges			0.00	
	i) Metal	0.94	410.55	385.92	
	ii) Sand	0.47	566.86	266.42	
	iii) Cement	4.40	22.18	97.58	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>6468.35</b>	<b>Cum</b>
6	Providing and laying insitu c.c. M-15 of trap/ for bedding..etc.complete.(Item No.24.04 Page.No.169) A)Ground Floor-Rate as per SSR 2022-2023			6359.00	
			Total	6359.00	
	B)Deduct Royalty charges of sand	0.445	237.37	105.63	

Sr. No.	Item Description	Per unit Quantiy	Lead charges Rs.per unit	Total Amount in Rs.	Units
	C) Sub Total		C=A-B	6253.37	
	D) Add Lead Charges			0.00	
	i) Metal	0.92	410.55	377.71	
	ii) Sand	0.45	566.86	252.25	
	iii) Cement	6.40	22.18	141.93	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>7025.26</b>	<b>Cum</b>
7	Providing and laying insitu c.c. M-20 of trap/ for footing ..etc.complete.(Item No25.11 BDF 3 Page.No.172)				
	A)Ground Floor-Rate as per SSR 2022-2023			7104.00	
			Total	7104.00	
	B)Deduct Royalty charges of sand	0.425	237.37	100.88	
	C) Sub Total		D=A-B	7003.12	
	D) Add Lead Charges			0.00	
	i) Metal	0.85	410.55	348.97	
	ii) Sand	0.43	566.86	240.92	
	iii) Cement	7.00	22.18	155.24	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>7748.24</b>	<b>Cum</b>
8	Providing and casting in situ cement concrete M-20 of trap/ geanite /quartzite gneiss metal for reinforced - cement concrete columns - etc. complete. (Item No 25.31 BDF 5 Page No173)				
	A)Ground Floor-Rate as per SSR 2022-2023			13783.00	
			Total	13783.00	
	B)Deduct Royalty charges of sand	0.425	237.37	100.88	
	C) Sub Total		C=A-B	13682.12	
	D) Add Lead Charges			0.00	
	i) Metal	0.85	410.55	348.97	
	ii) Sand	0.43	566.86	240.92	
	iii) Cement	7.00	22.18	155.24	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>14427.24</b>	<b>Cum</b>
9	Providing and casting in situ cement concrete M- 20 of trap/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels ...etc complete. (Excluding reinforcement )(8.50 bag/cum)(Item No.25.50 BDF 6A Page No 175)				
	A)Ground Floor-Rate as per SSR 2022-2023			12269.00	
			Total	12269.00	
	B)Deduct Royalty charges of sand	0.425	237.37	100.88	
	C) Sub Total		C=A-B	12168.12	
	D) Add Lead Charges			0.00	
	i) Metal	0.85	410.55	348.97	
	ii) Sand	0.43	566.86	240.92	
	iii) Cement	7.00	22.18	155.24	
	Add 4% Extra For Muncipal Council Area			0.00	

Sr. No.	Item Description	Per unit Quantiy	Lead charges Rs.per unit	Total Amount in Rs.	Units
				<b>12913.24</b>	<b>Cum</b>
	<b>Total</b>				
10	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete waist slab & steps as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. ( Excluding reinforcement ) Spec. No.:- BdF.13 Page No.305 (I.NO.26.25,P.NO.179)				
	A)Ground Floor-Rate as per SSR 2022-2023			12060.00	
				<b>Total</b>	<b>12060.00</b>
	B)Deduct Royalty charges of sand	0.425	237.37	100.88	
	C) Sub Total		C=A-B	11959.12	
	D) Add Lead Charges			0.00	
	i) Metal	0.85	410.55	348.97	
	ii) Sand	0.43	566.86	240.92	
	iii) Cement	7.00	22.18	155.24	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>12704.24</b>	<b>Cum</b>
11	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete PARDI75mm thick as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No.:- Bd.F.11 Page No.304 (I.NO.26.17,P.NO.178)				
	A)Ground Floor-Rate as per SSR 2022-2023			15567.00	
				<b>Total</b>	<b>15567.00</b>
	B)Deduct Royalty charges of sand	0.425	237.37	100.88	
	C) Sub Total		C=A-B	15466.12	
	D) Add Lead Charges			0.00	
	i) Metal	0.85	410.55	348.97	
	ii) Sand	0.43	566.86	240.92	
	iii) Cement	7.00	22.18	155.24	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>16211.24</b>	<b>Cum</b>
12	Providing & fixing in position T.M.T. bar reinforcement of various diameters for reinforced cement concrete pile caps, footing, foundation, slabs, beams, columns, canopies, stair case, newels, chajjas, lintels, pardis, copings, fins, arches -etc. complete .(Item No.26.33, BDF 17A Page.No.182)				
	A)Ground Floor-Rate as per SSR 2022-2023			89703.00	
	B) Add Lead Charges			0.00	
	i) Steel	1.00	443.53	443.53	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>90146.53</b>	<b>M.T.</b>
13	Providing masonry with conventional/ Indian standard type bricks in c.m. 1:6 in foundation and plinth etc. complete. (Item No.27.03 BDG 1 Page.No.189)				

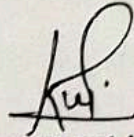
Sr. No.	Item Description	Per unit Quantiy	Lead charges Rs.per unit	Total Amount in Rs.	Units
	A)Ground Floor-Rate as per SSR 2022-2023			7514.00	
	B)Deduct Royalty charges of sand	0.32	237.37	75.96	
	C) Sub Total		C=A-B	7438.04	
	D) Add Lead Charges			0.00	
	i) Brick	1.00	2078.99	2078.99	
	ii) Sand	0.32	566.86	181.40	
	iii) Cement	1.58	22.18	35.04	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>9733.47</b>	<b>Cum</b>
14	Providing second class burnt brick masonry with conventional/ Indian standard type bricks in cement mortar 1:6 in superstructure including striking joints-etc. complete (Item No 27 05 RDG 3 Page No 189)			7994.00	
	A)Ground Floor-Rate as per SSR 2022-2023			7994.00	
	B)Deduct Royalty charges of sand	0.32	237.37	75.96	
	C) Sub Total		C=A-B	7918.04	
	D) Add Lead Charges			0.00	
	i) Brick	1.00	2078.99	2078.99	
	ii) Sand	0.32	566.86	181.40	
	iii) Cement	1.58	22.18	35.04	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>10213.47</b>	<b>Cum</b>
15	Providing sand faced plaster externally in cement mortar using kharasalia/ kasba or similar type of sand , in all positions including base coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to recive the sand faced treatment 6to 8mm thick in C.M. 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete.Bd.L.7Page no.367 (P.No.32.11. I.No.201 )			639.00	
	A)Ground Floor-Rate as per SSR 2022-2023			639.00	
	B)Deduct Royalty charges of sand	0.033	237.37	7.83	
	C) Sub Total		C=A-B	631.17	
	D) Add Lead Charges			0.00	
	i) Sand	0.03	566.86	18.71	
	ii) Cement	0.25	22.18	5.54	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>655.42</b>	<b>Sqm</b>

Sr. No.	Item Description	Per unit Quantity	Lead charges Rs. per unit	Total Amount in Rs.	Units
16	Providing and fixing self supporting steel roofing system for a godown oralike made up of structural grade steel sheet of 914 mm width ( Tolerance +/-0.02 mm. width 914mm Tolerance +/-2 mm)moulded of site using mechanical press dies to the desired curve and shape to from 605 mm wide interlocking panels. The interlocking panels shall be pressed to close the seam forming water light joints for a span of 15.30 m having arch rise as 3.06 m arch length 17.75 m. The base material made up of imported galvalume steel complying to ASTM A792 having base metal th. of 0.80 mm ( Tolerance +/-0.02 mm. width 914mm Tolerance +/- 2 mm) with alloy coating AZ 150 and paint coating of regular modified polystar, top coat 25 micron and bottom coat 14 micron as per approved colour, including fixing hangers, clamps etc. as may be necessary of proflex standred including fixing sky light of 2 mm th. polycarbonate sheet of size 2x7 and turbo ventilator of 24" dia. to be installed at evary 30 feet along the length of roof including finishing, festing and cleaning etc.com.BDRAs directed by Eng. in charge (I.No.38.41, P.No.200)				
	A)Ground Floor-Rate as per SSR 2022-2023			2264.00	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>2264.00</b>	<b>Sqm</b>
17	Providing & applying two coats washable oil bound distemper. (I.No.36.11, P.No.218)				
	A)Ground Floor-Rate as per SSR 2022-2023			48.00	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>48.00</b>	<b>Sqm</b>
18	Providing and laying cement concrete flooring 40mm th. With 1:2:4 c.c. laid to proper level and slope in alternate bayes including compaction, filling joints, marking lines to give the appearance of tiles of 30cmx30cm or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and cuing complete. Bd.M.7 page No.383.(i.no.33.09,p.no.205)				
	A)Ground Floor-Rate as per SSR 2022-2023			536.00	
	B)Deduct Royalty charges of sand	0.018	237.37	4.27	
	C) Sub Total		C=A-B	531.73	
	D) Add Lead Charges			0.00	
	i) Metal	0.11	410.55	43.93	
	ii) Sand	0.02	566.86	10.20	
	iii) Cement	0.30	0.00	0.00	
	Add 4% Extra For Muncipal Council Area			0.00	
	<b>Total</b>			<b>585.86</b>	<b>Cum</b>

  
**K.V. AMRUTWAD**  
 Regd. Consulting Engineer  
 R.No.State/R/2022/APL/00733

## LEAD CHART

Sr. No.	Material	Source	Total lead in km	Initial lead	Net lead	Net charges	
1	Sand	SAGROLI	25	0.00	566.86	566.86	
2	c.r.metal	DEGLOOR	15	0.00	410.55	410.55	
3	Soling	DEGLOOR	15	0	502.27	502.27	
4	Murum	TADKHEL	8	0	300.16	300.16	
5	Brick	RAER	45	0	2078.99	2078.99	
6	Cement	MUKHED	30	0	443.53	443.53	22.18
7	Steel	MUKHED	30	0	443.53	443.53	
8	Flooring (Tiles)	DEGLOOR	15	0	34.81	34.81	
9	Flooring (Tandur, Granite)	DEGLOOR	15	0	34.81	34.81	
<p>certified that the lead of the quarries accounted in the estimate as per the nearest route is considered. Lead of the quarry account in the estimate are authentic leads which is to be government approved.</p>							

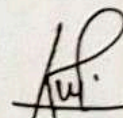
  
**K.V. AMRUTWAD**  
 Regd. Consulting Engineer  
 R.No.State/R/2022/APL/00733

### QUARRY CHART

	100 KM
	90 KM
	80 KM
	70 KM
	60 KM
	50 KM
	40 KM
	30 KM
	25 KM
	20 KM
	15 KM
	10 KM

#### CERTIFICATE

Certificated that I have visited the quarry sites & distance shown as lead is corrects & sufficient quantity will be available from quarry.



**K.V.AMRUTWAD**  
Regd.Consulting Engineer  
R.No.State/R/2022/APL/00733

## Recovery Statement of Royalty

Name of Work : Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD GUT.NO.835 RAJURA (Bk) TQ.MUKHED & DIST.NANDED

Sr.No.	Item	Qty. Estimated	Consumption				Royalty charges Rs. 237.37/cum			Total	
			Sand		Stone		Murum /Cum	Sand	Stone		Murum
			Per cum /sqm	Total	Per cum /sqm	Total					
4	Filling in plinth and floors with contractors soil ,sand or murum in 15cm to20cm (Item No.21.37 BDA 11 Page.No.201)	105.67							23053.23	23053.23	
5	Providing and laying in situ cement concrete in 1:3:6 of trap/ granite /quartzite /gneiss metal for foundation and bedding --- etc. complete. (Item No.24.01, BDE 1B Page.No.177)	3.65	0.47	1.71			406.65	0.00		406.65	
6	Providing and laying in situ. Cement concrete M-15/1:2:4 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water manually , formwork, compacting, curing etc. complete. Bd.E.1 Page No.287 (I.no.24.04, p.no.226)	11.14	0.445	4.96			1176.89	0.00		1176.89	
7	Providing and laying insitu c.c. M-20 of trap/ for footing etc.complete.	7.29	0.425	3.10			735.43	0.00		735.43	
8	Providing and casting in situ cement concrete M-20 of trap/ granite /quartzite gneiss metal for reinforced -cement concrete columns - etc. complete.	7.27	0.425	3.09			732.98	0.00		732.98	
9	Providing and casting in situ cement concrete M- 20 of trap/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels.....etc complete	11.25	0.425	4.78			1134.93	0.00		1134.93	
10	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete waist slab & steps as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. ( Excluding reinforcement ) Spec. No.:- Bd.F.13 Page No.305 (I.NO.26.25,P.NO.179)	1.76	0.425	0.75			177.36			177.36	
11	Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for reinforced cement concrete PARDI75mm thick as per detailed drawing for stair case including centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No.:- Bd.F.11 Page No.304 (I.NO.26.17,P.NO.178)	1.34	0.425	0.57			135.56			135.56	

## Recovery Statement of Royalty

Name of Work : Estimate Prepared For the Teen shed-GREEN ZONE AGRO PRODUCER CORPORATION LTD GUT.NO.835 RAJJURA (BK) TQ.MUKHED & DIST.NANDED

Sr.No	Item	Qty. Estimated	Consumption				Royalty charges Rs. 237.37/cum			Total	
			Sand		Stone		Murum /Cum	Sand	Stone		Murum
			Per cum /sqm	Total	Per cum / sqm	Total					
13	Providing second class burnt brick masonry with conventional/ Indian standard type bricks in cement mortar 1:6 in plinth including striking joints-etc. complete.	10.30	0.32	3.30			782.55			782.55	
14	Providing second class burnt brick masonry with conventional/ Indian standard type bricks in cement mortar 1:6 in superstructure including striking joints-etc. complete.	9.8118	0.32	3.14			745.29			745.29	
15	Providing sand faced plaster externally in cement mortar using kharasalia/ kasba coat of 15 mm thick in cement mortar 1:4 using water proofing compound at 1 kg per cement bag ... etc. complete	275.96	0.033	9.11			2161.61			2161.61	
18	Providing and laying cement concrete flooring 40mm th. With 1:2:4 c.c. laid to proper level and slope in alternate bays including compaction, filling joints, marking lines to give the appearance of tiles of 30cmx30cm or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and curing complete. Bd.M.7 page No.383.(I.no.33.09.p.no.205)	111.42	0.018	2.01			476.05			476.05	
									<b>Total</b>	<b>31718.54</b>	
									<b>Say</b>	<b>31719</b>	

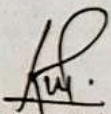
*(Signature)*

**K.V.AMRUTWAD**  
Regd.Consulting Engineer  
R.No.State/R/2022/APL/00733

# CERTIFICATE

This is certified that:-

- 1 100% Arithmetical check has been exercised while framing the estimate.  
The rates as adopted in the estimate are as per current. Schedule of Rates (S.S.R. 2022-2023)
- 2 The Quarries of the construction materials are mentioned in the lead chart have been inspected by me. The lead of materials as mentioned in the lead chart are minimum and correct. There is no other quarry available with lead less than that mentioned in the lead chart. The materials available from quarry are good in Quality and quantity required for construction work
- 3 The lead charges of the construction materials have already been incorporate in the rates of the respective items.
- 4 The quantity of the item as worked out in estimate are based on the detail working drawing/ designs are as per site conditions. The quality of the executed item will not exceed the quantity as worked out in the estimate
- 5 The various provisions made in the estimate are technically adequate and the entire proposal is considered to be technically sound.
- 6 The layout plan and the working drawing of the proposed construction have been prepared as per bye-laws of local authority

  
**K.V.AMRUTWAD**  
Regd.Consulting Engineer  
R.No.State/R/2022/APL/00733