

## **ESTIMATE**

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

**Estimated Cost of Works (Rs.) :- 3963877.00**

**Rupees thirty-nine lakhs sixty-three thousand eight hundred seventy-seven and paise nil only**

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

**RECAPITUALTION SHEET**

1	Work Portion	Rs.	3297363.00
2	Add Royalty	Rs.	106450.00
3	Add Testing Charges		15025.00
3	Add. 1.00 % Insurance	Rs.	32974.00
4	Add.12.00 % GST	Rs	395684.00
	<b>Total Rs.</b>		<b>3847496.00</b>
5	Add. 3% Contigencies on Total	Rs	116381.00
	<b>Say Rs.</b>		<b>3963877.00</b>

**Rupees thirty-nine lakhs sixty-three thousand eight hundred seventy-seven and paise nil only**

Chartered Engineer

Consulting Engineer

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

**ABSTRACT**

Quantity	I.No	Item of work	Rate	unit	Amount
38.88	1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m.beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering Including shoring and strutting etc. complete. (LIFT UPTO 1.5 M.) By Mechanical Means	193.00	Cubic Metre	7503.84
23.33	2	Excavation for foundation in Hard murum in cluding removing the excavated material upto adistance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5 to 3.0m.) By Mechanical Means	265.00	Cubic Metre	6182.45
123.63	3	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 cm to 20 cm thick including hand packing and compacting complete. Spec.No. : Bd.A.12 Page No. 264 ;	1728.92	Cubic Metre	213746.38
62.21	4	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layersincluding watering and compacting etc. complete.	113.00	Cubic Metre	7029.73
302.22	5	Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20 cm including watering and compaction etc.complete.	837.34	Cubic Metre	253060.89
25.19	6	Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete. (To be executed with prior approval of Superintending Engineer)	2471.83	Cubic Metre	62265.40
55.12	7	Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/granite/quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete ,with fully automatic microprocess or base dPLCwith SCADA enable dreversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc.complete. With fine aggregate (Crushed sand VSI Grade)	5913.99	Cubic Metre	325979.13

Quantity	I.No	Item of work	Rate	unit	Amount
10.30	8	Providing and laying in situ cement concrete of M-25 grade of trap / granite/quartzite/gneiss metal for R.C.C. work like raft, grillages, strips, foundations and footings of R.C.C.columns and steel stanchions including bailing-out water manually, including centering formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc complete. (Excluding reinforcement) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed) Spec.No.:Bd.F.2 Page No. 298 /IS 456 (1978)	7319.01	Cubic Metre	75385.80
1.89	9	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	13520.01	Cubic Metre	25552.82
11.58	10	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)	11997.24	Cubic Metre	138928.04
2.56	11	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	71778.00	Metric Tonne	183751.68

Quantity	I.No	Item of work	Rate	unit	Amount
1.82	12	Providing Brick masonry in cement mortal 1.6 using second Class Burnt Bricks in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces ,watering and scaffolding complete Bd. G. 1, Page No.313,	7673.46	Cubic Metre	13965.70
56.10	13	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	610.08	Square Metre	34225.49
56.10	14	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat) etc. complete.	70.00	Square Metre	3927.00
10.33	15	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anti corrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	105909.00	Metric Tonne	1093510.43
778.40	16	Providing and fixing colour coated Zinalume (R) AZ 150 (min150 gms /sq.mt. total on each side) profiled sheets for roofing. The feed materialis manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min. 550 MP a yield strength, metallic hot dip coated with Aluminium- Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOR BOND (R) steel quality super durable polyester paint coat (with in organic pigment). The paint shall have a total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtles quare flutingin the five panat nominal 180-250 mm center-to-center. The endrib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25um Zinc-Tinalloy coated, Hexhead, self-drilling screw etc. complete. (weight of profile	1095.00	Square Metre	852348.00
				Total Rs.	3297362.78
			<b>Part A)</b>	<b>Say Rs.</b>	<b>3297363.00</b>
60.62	17	Royalty Charges for sand	237.37	Cum	14389.37
425.85		Royalty Charges for Rubble and HM	216.18	Cum	92060.25
				Total Rs.	106449.62
			<b>Part B)</b>	<b>Say Rs.</b>	<b>106450.00</b>

Chartered Engineer

Consulting Engineer

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

**MEASUREMENT SHEET**

**I.No.**

- 1** Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m.beyond the building area & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering Including shoring and strutting etc. complete. (LIFT UPTO 1.5 M.) By Mechanical Means

For RCC Coloumn Type C1	8	x	1.80	x	1.80	x	1.50	=	38.88	Cum	
<b>Total Qty</b>									=	<b>38.88</b>	<b>Cum</b>

- 2** Excavation for foundation in Hard murum in cluding removing the excavated material upto adistance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5 to 3.0m.) By Mechanical Means

For RCC Coloumn Type C1	8	x	1.80	x	1.80	x	0.90	=	23.33	Cum	
<b>Total Qty</b>									=	<b>23.33</b>	<b>Cum</b>

- 3** Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 cm to 20 cm thick including hand packing and compacting complete. Spec.No. : Bd.A.12 Page No. 264 ;

For RCC Coloumn Type C1	8	x	1.80	x	1.80	x	0.30	=	7.78	Cum	
Collection & Grading Center Shed	1	x	27.54	x	18.29	x	0.23	=	115.85		
Plinth											
<b>Total Qty</b>									=	<b>123.63</b>	<b>Cum</b>

- 4** Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layersincluding watering and compacting etc. complete.

Qty As per Exavated Quatity								=	62.21	cum	
Item no.1 & 2											
<b>Total Qty</b>									=	<b>62.21</b>	<b>cum</b>

- 5** Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20 cm including watering and compaction etc.complete.

Collection & Grading Center Shed	1	x	27.54	x	18.29	x	0.60	=	302.22	cum	
<b>Total Qty</b>									=	<b>302.22</b>	<b>cum</b>

- 6** Providing and filling in the foundation with sand of approved quality including watering, compacting etc. complete. (To be executed with prior approval of Superintending Engineer)

Ware House Flooring Soling	1	x	27.54	x	18.29	x	0.05	=	25.19		
<b>Total Qty</b>									=	<b>25.19</b>	<b>cum</b>

- 7** Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/granite/quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete ,with fully automatic microprocess or base dPLCwith SCADA enable dreversible Drum Type mixer/ concrete Batch mix plant (Panmixer) etc.complete. With fine aggregate (Crushed sand VSI Grade)

For RCC Coloumn Type C1	8	x	1.80	x	1.80	x	0.10	=	2.59	cum
Collection & Grading Center Shed	1	x	28.00	x	18.76	x	0.10	=	52.53	cum

**Total Qty = 55.12 cum**

- 8** Providing and laying in situ cement concrete of M-25 grade of trap / granite/quartzite/gneiss metal for R.C.C. work like raft, grillages, strips, foundations and footings of R.C.C.columns and steel stanchions including bailing-out water manually, including centering formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc complete. (Excluding reinforcement) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks / shuttering will not be allowed) Spec.No.:Bd.F.2 Page No. 298 /IS 456 (1978)

1st Step of Footing

For RCC Coloumn Type C1	8	x	1.50	x	1.50	x	0.38	=	6.84	cum
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2nd Step of Footing

For RCC Coloumn Type C1	8	x	1.20	x	1.20	x	0.30	=	3.46	
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**Total Qty = 10.30 cum**

- 9** Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)

For RCC Coloumn Type C1	8	x	0.30	x	0.53	x	1.50	=	1.89	cum
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**Total Qty = 1.89 cum**

- 10** Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compactionand roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc)

Long Wall Ground Beams	8	x	6.61	x	0.23	x	0.45	=	5.47	
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Short Wall Ground Beams	2	x	17.70	x	0.23	x	0.75	=	6.11	
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**Total Qty = 11.58 cum**

- 11** Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.

For RCC Footing	10.30	@	95.00	Kg	=	978.50	Kg
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For RCC Coloumn	1.89	@	100.00	Kg	=	189.00	Kg
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For RCC Beam	11.58	@	120.00	Kg	=	1389.60	Kg
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**Total Qty = 2557.10 Kg**

**Say = 2.56 MT**

- 12** Providing Brick masonry in cement mortal 1.6 using second Class Burnt Bricks in foundation and plinth of inner walls/ in plinth of external walls including bailing out water manually, striking joints on unexposed faces ,watering and scaffolding complete Bd. G. 1, Page No.313,

Long Wall Ground Beams	8	x	6.61	x	0.23	x	0.15	=	1.82	cum
									Total	1.82
									<b>Total Qty</b>	<b>= 1.82 cum</b>

- 13** Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.

Long Wall up to Plinth	2	x	28.00	x	0.60	=	33.60	Sqm
Short Wall up to Plinth	2	x	18.75	x	0.60	=	22.50	
							<b>Total Qty</b>	<b>= 56.10 Sqm</b>

- 14** Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat) etc. complete.

Qty.As per Item no.17								=	56.10	Sqm
							<b>Total Qty</b>	<b>= 56.10 Sqm</b>		

- 15** Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anti corrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.

Total No. of Truss With Purlin	5	x	2065.00	x				=	10325.00	MT
									10325.00	
							<b>Total Qty</b>	<b>= 10.33</b>	<b>MT</b>	

- 16** Providing and fixing colour coated Zinalume (R) AZ 150 (min150 gms /sq.mt. total on each side) profiled sheets for roofing. The feed materialis manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min. 550 MP a yield strength, metallic hot dip coated with Aluminium- Zinc alloy (55% aluminium 43.4% zinc 1.6% silicon) with COLOR BOND (R) steel quality super durable polyester paint coat (with in organic pigment). The paint shall have a total coating thickness of nominal 35um, comprising of nominal 25 um exterior coat on top surface and nominal 10um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtles quare flutingin the five panat nominal 180-250 mm center-to-center. The endrib shall be designed for anti-capillary groove. and return leg. The feed material should have coil manufacturers product details marked a regular interval. Including fasteners with min. fastened with min. 25um Zinc-Tinalloy coated, Hexhead, self-drilling screw etc. complete. (weight of profile 4.52Kilogram / Square Metre ).

Roof Slop	2	x	13.00	x	28.00	=	728.00	Sqm
Side	2	x	28.00	x	0.90	=	50.40	
							<b>Total Qty</b>	<b>= 778.40 Sqm</b>

- 17** Royalty Charges

Material			Qty						Qty of Material	Cum
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6	Providing and filling in the foundation	1	x	25.19	x	1.000	=	25.19	Cum	
7	Providing and laying Cast in situ/ R	1	x	55.12	x	0.470	=	25.91		
8	Providing and laying in situ cement	1	x	10.30	x	0.425	=	4.38		
9	Providing and laying Cast in situ/Rc	1	x	1.89	x	0.425	=	0.80		
13	Providing sand faced plaster external	1	x	56.10	x	0.033	=	1.85		
12	Providing Brick masonry in cement	1	x	1.82	x	0.350	=	0.64		
13	Providing sand faced plaster external	1	x	56.10	x	0.033		1.85		
						<b>Sand</b>	<b>Total Qty</b>	<b>=</b>	<b>60.62</b>	<b>Cum</b>
3	Providing dry trap/ granite/ quartzite	1	x	123.63	x	1.00	=	123.63		
5	Filling in plinth and floors with concrete	1	x	302.22	x	1.00	=	302.22		
				<b>Hm and Rubble</b>		<b>Total Qty</b>	<b>=</b>	<b>425.85</b>	<b>Cum</b>	

Chartered Engineer

Consulting Engineer

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

**RATE ANALYSIS AS PER PWD SSR 2021-22 For MAHARASTRA STATE**

Sr. No.	Description of Item	S.S.R. Page No. & It. No.	Basic Rate	Add extra lead charges for.....										Total Lead charges	Deductio For Scada	Gross Rate	
				Rubble/Cr. Metal		Sand		Cr. Metal		Murum		Cement/Steel					
				434.92	340.69	299.83	/M <sup>3</sup>	355.50	/M <sup>3</sup>	287.34	/M <sup>3</sup>	4.75	/M.T.				
1	Excavation for foundation in earth, soil of all types, sand, gr	21.02	193.00											0.00		193.00	
2	Excavation for foundation in Hard murum in cluding remov	21.08	265.00											0.00		265.00	
3	Providing dry trap/ granite/ quartzite/ gneiss rubble stone so	21.38	1294.00	1.00	434.92									434.92		1728.92	
4	Filling in plinth and floors with approved excavated material	21.36	113.00											0.00		113.00	
5	Filling in plinth and floors with contractors material/ brough	21.37	550.00							1.00	287.34			287.34		837.34	
6	Providing and filling in the foundation with sand of approve	21.39	2172.00			1.00	299.83							299.83		2471.83	
7	Providing and laying Cast in situ/ Ready Mix cement concre	24.01	5538.00			0.47	140.92	0.940	334.17				4.40	20.90	495.99	120.00	5913.99
8	Providing and laying in situ cement concrete of M-25 grade	25.13	6836.00			0.425	127.43	0.90	319.95				7.50	35.63	483.01		7319.01
9	Providing and laying Cast in situ/Ready Mix cement concre	25.33	13157.00			0.425	127.43	0.90	319.95				7.50	35.63	483.01	120.00	13520.01
10	Providing and laying Cast in situ/Ready Mix cement concre	25.52	11652.00			0.425	127.43	0.85	302.18				7.50	35.63	465.24	120.00	11997.24
11	Providing and fixing in position TMT - FE - 500 bar reinfor	26.33	71778.00											0.00		71778.00	
12	Providing second class Burnt Brick masonry with conventio	27.05	7570.00			0.32	95.95						1.58	7.51	103.46		7673.46
13	Providing sand faced plaster externally in cement mortar usi	32.11	599.00			0.033	9.89						0.25	1.19	11.08		610.08
14	Providing and applying plastic emulsion paint of approved q	36.12	70.00														70.00
15	Providing structural steel work in trusses, other similar truss	23.04	105909.00														105909.00
16	Providing and fixing colour coated Zinalume (R) AZ 150 (d	38.34	1095.00														1095.00
17	Royalty Charges for Rubble and HM		216.18														216.18

Chartered Engineer

Consulting Engineer

**Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha  
Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)**

Appendix - I

**Lead Chart**

Sr. No.	Description	Rubble	Murum	Crush metal	Crush metal 40 mm above	Sand	Cement	Steel	Asphalt
1	2	3	4	4	4	5	6	7	8
	Source	Restricted	Local	Restricted	Restricted	Local	Local	Local	
1	Average lead as per Quarry chart in km	15.00	10.00	15.00	15.00	15.00	1.00	1.00	
2	Lead charges	434.92	287.34	355.50	340.69	299.83	95.07	95.07	
4	Extra lead charges	434.92	287.34	355.50	340.69	299.83	95.07	95.07	
5	Extra lead charges per bag of cement						4.75		

Chartered Engineer

Consulting Engineer

**Proposed Construction of Intrigrated Pack House Shed Unit G.no.405, For Agro Prime Farmers Producer Co.ltd, At-Majale,Tal-Hatkanangle, Dist: Kolhapur (MH)**

**TESTING CHART**

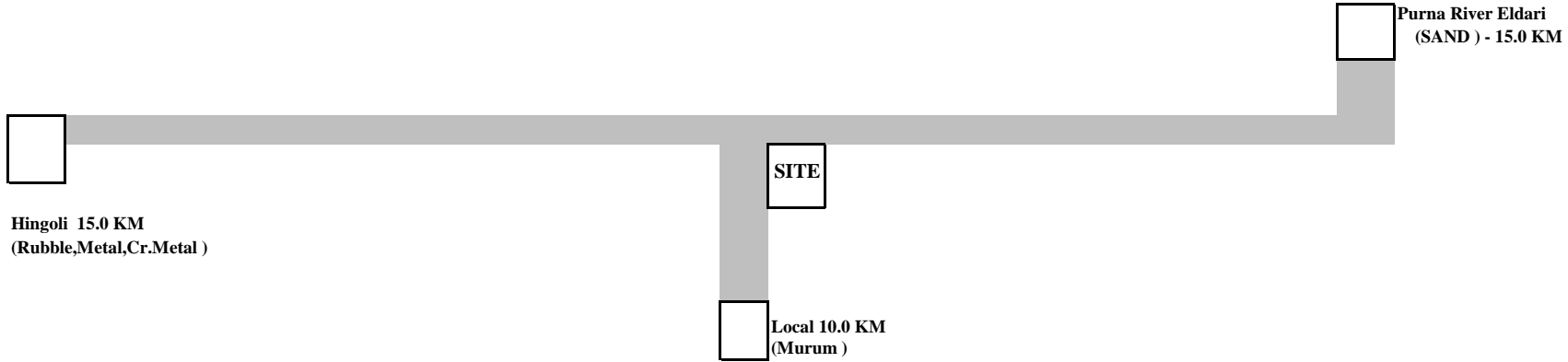
Item	Qty	Soil/HM	Bitumen	Metal	Agg.	Tests	Frequency	Total Test	At Site	At Lab	Rate	Amt
<b>Concrete</b>												
		Cement	Sand		Agg							
M 10	20.02	4.40	9.41		18.82	Comp. Strength- Cube		9	5	4	690.00	2760.00
M 20	16.20	5.67	0.69		14.58							0.00
M 25	16.84	6.32	0.72		15.16							
<b>Total</b>	<b>53.06</b>	<b>16.39</b>	<b>10.81</b>		<b>48.55</b>	Crush Metal-Basic Test	1/1000 Cum	3	2	1	2600.00	2600.00
		MT	Cum		Cum	Gradation	1/100 Cum	3	2	2	745.00	1490.00
						Comboned Flakiness & Elongation of single metal	1/400 Cum	2	1	1	850.00	850.00
						Cement-Fineness,consistency.Setting time,Compressive strength,Specific Gravity	1/50 MT	1	1	1	3770.00	3770.00
						Sand-Fineness Modulus,Silt Content	1/ Source	1	1	1	1380.00	1380.00
						Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	Set of 5 Bricks	1	1	1	2175.00	2175.00
											<b>Total</b>	<b>15025.00</b>

Chartered Engineer

Consulting Engineer

Name Of Work :- Proposed Construction of Collection & Trading Shed IN G.no.514, For Kisan Disha Producer Co.ltd,At-Javla Budruk,Tal-Sengaon,Dist: Hingoli (MH)

**Quarry Chart**



**LEAD STATEMENT**

Material	Quarry	Lead in Km.
Rubble	Hingoli	15.00
Metal	Hingoli	15.00
Crushed Metal	Hingoli	15.00
Murum	Local	10.00
Sand	Eldari	15.00

**CERTIFICATE.**

- 1 Certified that the quarries shown on the quarry chart for metal & murum are inspected by me & they are nearest & economical to the work & contain sufficient & good quality material required for the work.
- 2 Certified that lead for quarries shown and accounted in the estimate is as per nearest route.
- 3 Certified that leads considered are found to be correct.

Chartered Engineer

Consulting Engineer