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GOVERNMENT OF MAHARASHTRA

DETAILED ESTIMATE

Detailed Estimate for the Work of

Construction of Cleaning/Grading/Sorting/Dal
mill/Cattle Food manufacturing unit shed for
Aditya Raj producer company Ltd at Shahapur
banjar, Tq. Gangapur, Dist. Aurangabad

Estimated Cost Rs. 1,28,95,376.00

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

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Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Fund Head Sheet

OFFICE JV STRUCTURAL ENGINEERS AND
CONSULTANT AURANGABAD

SANCTIONED ESTIMATE NO.

FUND HEAD :

MAJOR HEAD

MINOR HEAD :

SERVICE HEAD :

DEPARTMENTAL HEAD :

Estimate framed for the probable expenses that will be incurred for the work of Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Total Cost of work : 1,28,95,376.00

Administratively approved under
No.


Estimate prepared by :

Estimate Checked by :

GENERAL REPORT

.....Attached Separately.....




JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

General Report

Following provisions are made in the estimate.

- 1) RCC framed structure with Open foundation. (Concrete Grade M:20)
- 2) Providing soling using 80 mm size Below Flooring 150mm Thick & 300mm thick below footing.
- 3) Providing and laying P.C.C. M-10 For Flooring 100mm Thick & M15 For Footing 150mm Thick
- 4) Providing Fly Ash Brick Masonry for Foundation & Plinth
- 5) Providing Providing fly ash brick masonry with conventional/ I.S. type bricks masonry for All Internal & External Walls.
- 6) Providing applying 12 mm plaster plaster without neeru finish For Internal Walls
- 7) Providing sand faced plaster for External Face
- 9) Providing and laying machine cut machine Polished Kota stone flooring
- 10) Providing and fixing machine cut machine polished 18 mm to 20 mm thick Kotha stone for treads and risers of Entrance steps
- 11) Providing and applying washable oil-bound distemper of approved colour paint for Internal Walls
- 12) Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour for External Walls
- 13) Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness for Entrance.
- 14) Providing and fixing in position powder coated aluminium louvered windows / ventilator of size 0.90m x 0.6m.
- 15) Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter.

The rates are adopted as per State S.S.R. 2022-23 Maharashtra State and nearest quarry is adopted for material.

So early technical sanction of the estimate is requested please.

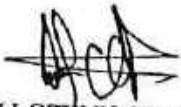


JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Recapitulation Sheet

Sr. No.	Perticulars	Amount As per Estimate
A		
1	Cost of Processing Machine Shed (48' x 120')	87,72,778.00
2	Cost of Royalty Charges of Shed	1,27,903.00
3	Cost of Quality Control Charges of Shed	55,645.00
4	Add 12% for G.S.T. Charges (on-1)	10,52,733.00
5	Add 0.50% for Labour Insurance Charges (on-1)	43,864.00
Total A =		1,00,52,923.00
6	Cost of Drying Yard (211' x 120')	20,69,867.00
7	Cost of Royalty Charges of Drying Yard	1,41,730.00
8	Cost of Quality Control Charges of Drying Yard	7,590.00
9	Add 12% for G.S.T. Charges (on-6)	2,48,384.00
10	Add 0.50% for Labour Insurance Charges (on-6)	10,349.00
Total B =		24,77,920.00
11	Cost of Office	3,14,796.00
12	Cost of Royalty Charges of Office	3,752.00
13	Cost of Quality Control Charges of Office	6,635.00
14	Add 12% for G.S.T. Charges (on-11)	37,776.00
15	Add 0.50% for Labour Insurance Charges (on-11)	1,574.00
Total C =		3,64,533.00
Total Cost of Construction (A+B+C)		1,28,95,376.00
Say in Lakh =		128.95


**JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD**



Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad
Abstract Sheet

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
	Excavation				
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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153				
	Ground Floor	90.780	207.00	Cum	18791.00
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153				
	Ground Floor	56.380	227.00	Cum	12798.00
	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157				
	Ground Floor	380.260	802.32	Cum	305090.00
	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper...Spec. No. As directed by Engineer in Charge. SSR I.No.21.22, Sr.No.737, P.No.155				
	Ground Floor	369.360	107.00	Sqm	39522.00
	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) treatment by treating the backfill in immediate contact with foundation at the rate of 5 litres of emulsion concentrate of 1.0 percent of clorophyrifos per One Square Metre of verticalsurface area covering 10 years guarantee on bond paper.. Spec. No. As directed by Engineer in harge. SSR I.No.21.23, Sr.No.738 P.No.155				
	Ground Floor	168.630	112.00	Sqm	18887.00

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
6	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of chlorophyrifos per One Square Metre of surface area covering ten years guarantee on bond paper... Spec. No. As directed by Engineer in harge. SSR I.No.21.24, Sr.No.739 P.No.156				
	Ground Floor	501.910	108.00	Sqm	54206.00
	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157				
	Ground Floor	103.470	2351.02	Cum	243260.00
	Plain Cement Concrete				
	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175				
	Ground Floor	50.190	6900.34	Cum	346328.00
	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176				
	Ground Floor	10.260	7386.42	Cum	75785.00

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
10	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11, Sr.No.836 P.No.178				
	First Floor	17.610	8115.06	Cum	142906.00
11	Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179				
	Ground Floor	28.750	14794.06	Cum	425329.00
	First Floor	21.740	14931.89	Cum	324619.00
	Providing and laying Cast in situ/Ready Mix cement concrete M-20 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number38 Page.No. 38.SSR I.No.25.50, Sr.No.846,				
	Ground Floor	21.540	13280.06	Cum	286052.00
	First Floor	12.280	13402.75	Cum	164586.00

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
13	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.. Spec.No. Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188				
	Ground Floor	8.070	89882.59	MT	725353.00
	First Floor	5.100	90779.62	MT	462976.00
	Structural Steel Work				
4	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 anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.04, Sr.No.819, P.No.173				
	First Floor	10.110	120833.18	M.T	1221623.00
	Brick Work				
5	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198				
	Ground Floor	20.280	7452.46	Cum	151136.00
	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As director by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198				
	Ground Floor	76.680	7674.46	Cum	588478.00
	First Floor	71.050	7745.52	Cum	550319.00
	Plastering & Pointing				
	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L.4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209				
	Ground Floor	363.850	287.00	Sqm	104425.00
	First Floor	380.290	289.71	Sqm	110174.00

Item No.	Item Of Work	Qty.	Rate	Unit	Amount
8	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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209				
	Ground Floor	484.130	674.67	Sqm	326628.00
	First Floor	402.840	681.06	Sqm	274358.00
	Paving, Flooring & Dado				
	Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec. No. Bd.M.3 Page 1 No.380.SSR I.No.33.06, Sr.No.993 P.No.213				
	Ground Floor	501.910	1270.50	Sqm	637677.00
	Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete. For Flooring Spec. No. As directed by Engineer in charge. SSR I.No.33.28, Sr.No.1015 P.No.216				
	Ground Floor	501.910	149.00	Sqm	74785.00
	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec No.:As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214				
	Ground Floor	17.280	1593.92	Sqm	27543.00
	Oil Painting				
	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.) etc. complete.Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227				
	Ground Floor	363.850	48.00	Sqm	17465.00
	First Floor	380.290	48.48	Sqm	18436.00
	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. : As directed by Engineer in charge. SSR I.No.35.15, Sr.No.1085, P.no.224				
	Ground Floor	484.130	104.00	Sqm	50350.00
	First Floor	402.840	105.04	Sqm	42314.00

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
24	<p>Providing and applying two coats of synthetic enamel paint of approved colour to new /old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete. Spec. No. Bd.0.5 Page 1 No. 405..SSR I.No.35.07, Sr.No.1077 P.No.227</p> <p>Ground Floor</p>	29.660	96.00	Sqm	2847.00
5	<p>Doors & Windows</p> <p>Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm 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 etc. complete. (I.S. 62481979) (With mechanical gear) Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.39.25, Sr.No.1218, P.No.249</p> <p>Ground Floor</p>	29.660	5308.00	Sqm	157435.00
	<p>Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259</p> <p>First Floor</p>	10.800	3501.67	Sqm	37818.00

Item Of Work.	Qty.	Rate	Unit	Amount
Water Supply & Sanitary Fittings				
<p>Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.. Spec No. As directed by Engineer Incharge. SSR I.No.42.85, Sr.No.1456, P.No.283</p>				
Ground Floor	20.000	1481.00	Rgm	29620.00
First Floor	20.000	1495.81	Rgm	29916.00
<p>Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 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 polyester 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 nom. 9501050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre)Spec. No. As directed by Engineer in Charge SSR I.No.38.34, Sr.No.1174 P.No.236</p>				
Ground Floor	565.200	1173.00	No	662980.00

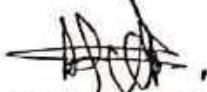
Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
29	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge Spec. No. MORTH 801.SSR I.No.6.36, Sr.No.284 P.No.60				
	Ground Floor	1.000	9963.00	No	9963.00
				Total (A) =	8772778.00
	Royalty Charges-as per statement attached				
	For Sand	192.520	237.37	Cum	45698.00
	For Hard Murum	380.260	216.18	Cum	82205.00
				Total (B) =	127903.00
	Quality Control Charges Items.				
	1) Basic Test of Cement				
	Carrying out basic tests on cement for standard consistency, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1 P.No.426				
	Ground Floor	1.000	3770.00	/ Test	3770.00
	2) Fine Aggregates				
	Carrying out basic tests on Sand for Fineness modulus,Silt and clay content.Spec.No.As directed by Engineer in Charge.SSR I.No.10 P.No.426				
	Ground Floor	1.000	1380.00	/ Test	1380.00
	Carrying out basic tests on Sand for chloride and sulphate content.Spec.No.As directed by Engineer in Charge.SSR I.No.11 P.No.426				
	Ground Floor	1.000	795.00	/ Test	795.00
	3) Basic Test of Aggregates				
	Carrying out basic tests on Aggregates for Water absorption,specific gravity.Impact value,crushing value.Spec.No.As directed by Engineer in Charge.SSR I.No.2 P.No.426				
	Ground Floor	2.000	2600.00	/ Test	5200.00

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
5	Carrying out basic tests on Aggregates for Sieve Analysis.Spec.No.As directed by Engineer in Charge.SSR I.No.3 P.No.426 Ground Floor	2.000	690.00	/ Test	1380.00
	4) Basic Test of Concrete				
6	Carrying out basic tests on Concrete cubes for compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.19 P.No.426 Ground Floor	6.000	690.00	/ Test	4140.00
	Carrying out basic tests on Concrete for Mix design.Spec.No.As directed by Engineer in Charge.SSR I.No.20 P.No.426 Ground Floor	1.000	13755.00	/ Test	13755.00
	5) Basic Test of Bricks				
	Carrying out basic tests on Bricks for water absorptio, Efflorescence, compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.13 P.No.426 Ground Floor	1.000	2175.00	/ Test	2175.00
	6) Basic Test of Ceramic Tiles / Vitrified Tiles				
	Carrying out basic tests on Vitrified Tiles for water absorption,modulus of rupture.Spec.No.As directed by Engineer in Charge.SSR I.No.16 P.No.426 Ground Floor	1.000	2495.00	/ Test	2495.00
	7) Basic Test of Steel Anticorrosive Test				
	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for resistance to applied voltage. Spec. No. As directed by Engineer in Charge.SSR I.No.71, P.No.428 Ground Floor	1.000	1115.00	/ Test	1115.00
	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for thickness of coating.Spec.No.As directed by Engineer in Charge.SSR I.No.73 P.No.428 Ground Floor	1.000	585.00	/ Test	585.00
	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for chemical resistance.Spec.No.As directed by Engineer in Charge.SSR I.No.74 P.No.428 Ground Floor	1.000	2390.00	/ Test	2390.00
	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for hardness of coating.Spec.No.As directed by Engineer in Charge.SSR I.No.75 P.No.428 Ground Floor	1.000	320.00	/ Test	320.00
	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for Salt spray test.Spec.No.As directed by Engineer in Charge.SSR I.No.76 P.No.428 Ground Floor	1.000	1485.00	/ Test	1485.00

Sl. No.	Item Of Work.	Qty.	Rate	Unit	Amount
	8) Basic Test of Steel Bar Testing				
5	Carrying out basic tests on T.M.T.Steel (Bar testing above 16 mm) for Tensile strength,% Elongation,Yield stress,Weight /m,Bend/rebend test,proof test.Spec.No.As directed by Engineer in Charge.SSR I.No.78 P.No.428				
	Ground Floor	1.000	1595.00	/Test	1595.00
6	Carrying out basic tests on T.M.T.Steel (Bar testing upto 16 mm) for Tensile strength,% Elongation,Yield stress,Weight /m,Bend/rebend test,proof test.Spec.No.As directed by Engineer in Charge.SSR I.No.77 P.No.428				
	Ground Floor	1.000	1275.00	/Test	1275.00
	9) Basic Test of Concrete Paving Block				
	Carrying out basic tests on Concrete paving block for Comp.strength, Water absorption,Flexural test,Resistance to wear.Spec.No.As directed by Engineer in Charge.SSR I.No.26 P.No.426				
	Ground Floor	1.000	2495.00	/Test	2495.00
	10) Basic Test of Mortar				
	Carrying out basic tests on Mortar for Comp. strength. Spec. No. As directed by Engineer in Charge.SSR I.No.27 P.No.426				
	Ground Floor	1.000	690.00	/Test	690.00
	11) Basic Test of Stone / Rubble				
	Carrying out basic tests, on stone/rubble for Crushing value/Comp.strength,water absorption and specific gravity .Spec.No.As directed by Engineer in Charge.SSR I.No.28 P.No.427				
	Ground Floor	1.000	2020.00	/Test	2020.00
	12) Basic Test of Soil / Murum				
	Carrying out basic tests on soil/Murum for Sieve Analysis .Spec.No.As directed by Engineer in Charge.SSR I.No.29 P.No.427				
	Ground Floor	1.000	690.00	/Test	690.00
	Carrying out basic tests on soil/Murum for liquid limit and plastic limit .Spec.No.As directed by Engineer in Charge.SSR I.No.30 P.No.427				
	Ground Floor	1.000	1170.00	/Test	1170.00
	13) Basic Test of Wood				
	Carrying out basic tests on wood for density and moisture content .Spec.No.As directed by Engineer in Charge.SSR I.No.59 P.No.427				
	Ground Floor	1.000	1060.00	/Test	1060.00

Item Of Work.	Qty.	Rate	Unit	Amount
14) Basic Test of Flush Door				
3 Carrying out basic tests on flush door for knif test, adhesion test and end immersion test .Spec.No.As directed by Engineer in Charge.SSR I.No.60 P.No.427				
Ground Floor	1.000	2710.00	/ Test	2710.00
15) Basic Test of Aluminium Section				
3 Carrying out basic tests on aluminium section for thickness, mass per running meter .Spec.No.As directed by Engineer in Charge.SSR I.No.64 P.No.428				
Ground Floor	1.000	690.00	/ Test	690.00
16) Basic Test of G.I. Pipes				
5 Carrying out basic tests on G.I.Pipes for wt. per running meter, dia.of pipe and wall thickness of pipe .Spec.No.As directed by Engineer in Charge.SSR I.No.68 P.No.428				
Ground Floor	1.000	265.00	/ Test	265.00
			Total (C) =	55645.00
Total Rs (A) + (B) + (C) : =				8956326.0




**JV STRUCTURAL
 ENGINEERS AND CONSULTANT
 AURANGABAD**

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Measurement Sheet

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
1. Excavation							
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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153						
Ground Floor							
Total Footings (22 Nos.)							
	Group no.1	20	2.400	1.800	0.900	77.760	
	Group no.2	2	2.100	1.800	0.900	6.800	
External Ground Beams							
	1-4	1	3.580	0.230	0.300	0.250	
	4-6	1	3.580	0.230	0.300	0.250	
	6-8	1	3.580	0.230	0.300	0.250	
	8-10	1	3.580	0.230	0.300	0.250	
	10-12	1	3.580	0.230	0.300	0.250	
	12-14	1	3.580	0.230	0.300	0.250	
	14-16	1	3.580	0.230	0.300	0.250	
	16-18	1	3.580	0.230	0.300	0.250	
	18-20	1	3.580	0.230	0.300	0.250	
	3-5	1	3.580	0.230	0.300	0.250	
	5-7	1	3.580	0.230	0.300	0.250	
	7-9	1	3.580	0.230	0.300	0.250	
	9-11	1	3.580	0.230	0.300	0.250	
	11-13	1	3.580	0.230	0.300	0.250	
	13-15	1	3.580	0.230	0.300	0.250	
	15-17	1	3.580	0.230	0.300	0.250	
	17-19	1	3.580	0.230	0.300	0.250	
	19-22	1	3.580	0.230	0.300	0.250	
	1-2	1	6.300	0.230	0.300	0.430	
	2-3	1	6.300	0.230	0.300	0.430	
	20-21	1	6.300	0.230	0.300	0.430	
	21-22	1	6.300	0.230	0.300	0.430	
Net Qty. For Ground Floor						90.780	Cum

2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Ground Floor						
	Total Footings (22 Nos.)						
	Group no.1	20	2.40	1.800	0.600	51.840	
	Group no.2	2	2.10	1.800	0.600	4.540	
	Net Qty. For Ground Floor					56.380	Cum
3	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157						
	Ground Floor						
	Total Footings (22 Nos.)						
	Group no.1	20	2.40	1.800	1.500	129.600	
	Group no.2	2	2.10	1.800	1.500	11.340	
						Total Excavation Qty. (A) =	140.940 Cum
	Deduction						
	Qty as per It.no.2 (Hard Murum)	1	56.38	-	1.000	56.380	
	Qty as per - 1:2:4 PCC Below Footing	1	10.260	1.000	1.000	10.260	
	Qty as per - M-20 RCC footing	1	17.610	1.000	1.000	17.610	
	Qty as per - 20 RCC Col. upto GL	1	2.670	1.000	1.000	2.670	
						Total Deduction Qty. (B) =	86.920 Cum
						Total Filling Required (A)-(B) =	54.020 Cum
	Under flooring						
	Ht = 0.9 - 0.1 - 0.15 = 0.65 m.						
	Shed	1	13.940	35.540	0.650	322.030	
	Otta	2	3.600	0.900	0.650	4.210	
	Net Qty. For Ground Floor					380.260	Cum
4	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper...Spec. No. As directed by Engineer in Charge. SSR I.No.21.22, Sr.No.737, P.No.155						
	Ground Floor						
	Pit Bottom						
	Total Footings (22 Nos.)						
	Group no.1	20	2.40	1.800	-	86.400	
	Group no.2	2	2.10	1.800	-	7.560	
	Pit - Sides						
	Total Footings (22 Nos.)						
	Group no.1	40	2.40	1.500	-	144.000	
		40	1.80	1.500	-	108.000	
	Group no.2	4	2.10	1.500	-	12.600	
		4	1.80	1.500	-	10.800	
	Net Qty. For Ground Floor					369.360	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
5	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) treatment by treating the backfill in immediate contact with foundation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per One Square Metre of vertical surface area covering 10 years guarantee on bond paper. Spec. No. As directed by Engineer in harge. SSR I.No.21.23, Sr.No.738 P.No.155						
	Ground Floor						
	Footing Top						
	Total Footings (22 Nos.)						
	Group no.1	20	2.40	1.800	-	86.400	
	Group no.2	2	2.10	1.800	-	7.560	
	Footing Sides						
	First Step						
	Group no.1	40	1.800	0.250	-	18.000	
		40	1.200	0.250	-	12.000	
	Group no.2	4	1.500	0.225	-	1.350	
		4	1.200	0.225	-	1.080	
	Second Step						
	Group no.1	40	1.400	0.250	-	14.000	
		40	0.800	0.250	-	8.000	
	Group no.2	4	1.100	0.225	-	0.990	
		4	0.800	0.225	-	0.720	
	Column upto Filling Top						
	Group no.1	40	0.380	0.550	-	8.360	
		40	0.600	0.550	-	13.200	
	Group no.2	4	0.300	0.600	-	0.720	
		4	0.450	0.600	-	1.080	
	Deduction Column Area						
	Group no.1	-20	0.380	0.600	-	-4.560	
	Group no.2	-2	0.300	0.450	-	-0.270	
	Net Qty. For Ground Floor					168.630	Sqm
6	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of chlorophyrifos per One Square Metre of surface area covering ten years guarantee on bond paper... Spec. No. As directed by Engineer in harge. SSR I.No.21.24, Sr.No.739 P.No.156						
	Ground Floor						
	Below Flooring						
	Shed	1	13.940	35.540	-	495.430	
	Otta	2	3.600	0.900	-	6.480	
	Net Qty. For Ground Floor					501.910	Sqm
7	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157						
	Ground Floor						

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Below Footing						
	Group no.1	20	2.400	1.800	0.300	25.920	
	Group no.2	2	2.100	1.800	0.300	2.270	
	Below Flooring						
	Shed	1	13.940	35.540	0.150	74.310	
	Otta	2	3.600	0.900	0.150	0.970	
Net Qty. For Ground Floor						103.470	Cum
3. Plain Cement Concrete							
8	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175						
	Ground Floor						
	Below Flooring						
	Shed	1	13.940	35.540	0.100	49.540	
	Otta	2	3.600	0.900	0.100	0.650	
Net Qty. For Ground Floor						50.190	Cum
9	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing, uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176						
	Ground Floor						
	Total Footings (22 Nos.)						
	Group no.1	20	2.100	1.500	0.150	9.450	
	Group no.2	2	1.800	1.500	0.150	0.810	
Net Qty. For Ground Floor						10.260	Cum
Reinforcement Cement Concrete							
10	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11, Sr.No.836 P.No.178						

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Ground Floor						
	Total Footings (22 Nos.)						
	First Step						
	Group no.1	20	1.800	1.200	0.250	10.800	
	Group no.2	2	1.500	1.200	0.225	0.810	
	Second Step						
	Group no.1	20	1.400	0.800	0.250	5.600	
	Group no.2	2	1.100	0.800	0.225	0.400	
	Net Qty. For Ground Floor					17.610	Cum
11	Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179						
	Ground Floor						
	Column upto GL						
	Group no.1	20	0.380	0.600	0.550	2.510	
	Group no.2	2	0.300	0.450	0.600	0.160	
	Column GL to FFL Ht = 0.9 m.						
	Group no.1	20	0.380	0.600	0.900	4.100	
	Group no.2	2	0.300	0.450	0.900	0.240	
	Ground Floor Ht = 4.5 m.						
	Group no.1	20	0.380	0.600	4.500	20.520	
	Group no.2	2	0.300	0.450	4.500	1.220	
	Net Qty. For Ground Floor					28.750	Cum
	First Floor						
	Column Lintel top to RoofHt = 4.5 m.						
	Group no.1	20	0.380	0.600	4.500	20.520	
	Group no.2	2	0.300	0.450	4.500	1.220	
	Net Qty. For First Floor					21.740	Cum
12	Providing and laying Cast in situ/Ready Mix cement concrete M-20 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number38 Page.No. 38.SSR I.No.25.50, Sr.No.846, P.No.181						

Item No.	Item Of Work.	Nos.	Length.	Breadth	Height.	Quantity.	Unit.
Ground Floor							
External Plinth beam total 22 Nos							
B1- (230 X 530) 18 NOS							
	1-4	1	3.580	0.230	0.530	0.440	
	4-6	1	3.580	0.230	0.530	0.440	
	6-8	1	3.580	0.230	0.530	0.440	
	8-10	1	3.580	0.230	0.530	0.440	
	10-12	1	3.580	0.230	0.530	0.440	
	12-14	1	3.580	0.230	0.530	0.440	
	14-16	1	3.580	0.230	0.530	0.440	
	16-18	1	3.580	0.230	0.530	0.440	
	18-20	1	3.580	0.230	0.530	0.440	
	3-5	1	3.580	0.230	0.530	0.440	
	5-7	1	3.580	0.230	0.530	0.440	
	7-9	1	3.580	0.230	0.530	0.440	
	9-11	1	3.580	0.230	0.530	0.440	
	11-13	1	3.580	0.230	0.530	0.440	
	13-15	1	3.580	0.230	0.530	0.440	
	15-17	1	3.580	0.230	0.530	0.440	
	17-19	1	3.580	0.230	0.530	0.440	
	19-22	1	3.580	0.230	0.530	0.440	
B2-(230 X 750) 4 NOS							
	1-2	1	6.300	0.230	0.750	1.090	
	2-3	1	6.300	0.230	0.750	1.090	
	20-21	1	6.300	0.230	0.750	1.090	
	21-22	1	6.300	0.230	0.750	1.090	
Lintel Beams (230 X 450)							
	1-4	1	3.580	0.230	0.450	0.370	
	4-6	1	3.580	0.230	0.450	0.370	
	6-8	1	3.580	0.230	0.450	0.370	
	8-10	1	3.580	0.230	0.450	0.370	
	10-12	1	3.580	0.230	0.450	0.370	
	12-14	1	3.580	0.230	0.450	0.370	
	14-16	1	3.580	0.230	0.450	0.370	
	16-18	1	3.580	0.230	0.450	0.370	
	18-20	1	3.580	0.230	0.450	0.370	
	3-5	1	3.580	0.230	0.450	0.370	
	5-7	1	3.580	0.230	0.450	0.370	
	7-9	1	3.580	0.230	0.450	0.370	
	9-11	1	3.580	0.230	0.450	0.370	
	11-13	1	3.580	0.230	0.450	0.370	
	13-15	1	3.580	0.230	0.450	0.370	
	15-17	1	3.580	0.230	0.450	0.370	
	17-19	1	3.580	0.230	0.450	0.370	
	19-22	1	3.580	0.230	0.450	0.370	
	1-2	1	6.300	0.230	0.450	0.650	

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
2-3		1	6.300	0.230	0.450	0.650	
20-21		1	6.300	0.230	0.450	0.650	
21-22		1	6.300	0.230	0.450	0.650	
Net Qty. For Ground Floor						21.540	Cum
First Floor							
Floor Beams							
B1 - 230 X 530 (18 Nos)							
1-4		1	3.580	0.230	0.530	0.440	
4-6		1	3.580	0.230	0.530	0.440	
6-8		1	3.580	0.230	0.530	0.440	
8-10		1	3.580	0.230	0.530	0.440	
10-12		1	3.580	0.230	0.530	0.440	
12-14		1	3.580	0.230	0.530	0.440	
14-16		1	3.580	0.230	0.530	0.440	
16-18		1	3.580	0.230	0.530	0.440	
18-20		1	3.580	0.230	0.530	0.440	
3-5		1	3.580	0.230	0.530	0.440	
5-7		1	3.580	0.230	0.530	0.440	
7-9		1	3.580	0.230	0.530	0.440	
9-11		1	3.580	0.230	0.530	0.440	
11-13		1	3.580	0.230	0.530	0.440	
13-15		1	3.580	0.230	0.530	0.440	
15-17		1	3.580	0.230	0.530	0.440	
17-19		1	3.580	0.230	0.530	0.440	
19-22		1	3.580	0.230	0.530	0.440	
B2 - 230 X 750 (4 Nos)							
1-2		1	6.300	0.230	0.750	1.090	
2-3		1	6.300	0.230	0.750	1.090	
20-21		1	6.300	0.230	0.750	1.090	
21-22		1	6.300	0.230	0.750	1.090	
Net Qty. For First Floor						12.280	Cum
13	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, parris, 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.. Spec.No. Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188						
Ground Floor							
	Qty. As Per Item. No.10 M20 Footing		17.61	30.00	KgCum	528.30	
	Qty. As Per Item. No.11 M20 Column		28.750	150.00	KgCum	4312.50	
	Qty. As Per Item. No.12 M20 Beams		21.540	150.00	KgCum	3231.00	
					Total Qty. =	8071.80	Kg.
Net Qty. For Ground Floor						8.070	M.T.

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	First Floor						
	Qty. As Per Item. No.11 M20 Column		21.740	150.00	KgCum	3261.00	
	Qty. As Per Item. No.12 M20 Beams		12.280	150.00	KgCum	1842.00	
					Total Qty. =:	5103.00	Kg.
	Net Qty. For First Floor					5.100	M.T.

2 Structural Steel Work							
13	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 anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.04, Sr.No.819, P.No.173						
	First Floor						
	Truss	1	14.400	36.000	19.500	10108.800	Kg
	Total Qty					10108.80	Kg
	Net Qty. For First Floor					10.110	M.T.

15 Brick Work							
	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete. Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198						
	Ground Floor						
	External plinth beam (Plinth Ht = 0.9 - 0.1 - 0.15 = 0.65 m.)						
	1-4	1	3.580	0.230	0.650	0.540	
	4-6	1	3.580	0.230	0.650	0.540	
	6-8	1	3.580	0.230	0.650	0.540	
	8-10	1	3.580	0.230	0.650	0.540	
	10-12	1	3.580	0.230	0.650	0.540	
	12-14	1	3.580	0.230	0.650	0.540	
	14-16	1	3.580	0.230	0.650	0.540	
	16-18	1	3.580	0.230	0.650	0.540	
	18-20	1	3.580	0.230	0.650	0.540	
	3-5	1	3.580	0.230	0.650	0.540	
	5-7	1	3.580	0.230	0.650	0.540	
	7-9	1	3.580	0.230	0.650	0.540	
	9-11	1	3.580	0.230	0.650	0.540	
	11-13	1	3.580	0.230	0.650	0.540	
	13-15	1	3.580	0.230	0.650	0.540	
	15-17	1	3.580	0.230	0.650	0.540	
	17-19	1	3.580	0.230	0.650	0.540	
	19-22	1	3.580	0.230	0.650	0.540	
	1-2	1	6.300	0.230	0.650	0.940	
	2-3	1	6.300	0.230	0.650	0.940	
	20-21	1	6.300	0.230	0.650	0.940	
	21-22	1	6.300	0.230	0.650	0.940	

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Entrance Steps	2	3.600	0.300	0.150	0.320	
		2	3.600	0.300	0.300	0.650	
		2	3.600	0.300	0.450	0.970	
		2	3.600	0.300	0.600	1.300	
		2	3.600	0.300	0.750	1.620	
		2	3.600	0.300	0.900	1.940	
Net Qty. For Ground Floor						20.280	Cum
16	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As director by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198						
	Ground Floor						
	230mm Thick Brick Wall						
	Ht = 4.05m						
	1-4	1	3.580	0.230	4.050	3.335	
	4-6	1	3.580	0.230	4.050	3.335	
	6-8	1	3.580	0.230	4.050	3.335	
	8-10	1	3.580	0.230	4.050	3.335	
	10-12	1	3.580	0.230	4.050	3.335	
	12-14	1	3.580	0.230	4.050	3.335	
	14-16	1	3.580	0.230	4.050	3.335	
	16-18	1	3.580	0.230	4.050	3.335	
	18-20	1	3.580	0.230	4.050	3.335	
	3-5	1	3.580	0.230	4.050	3.335	
	5-7	1	3.580	0.230	4.050	3.335	
	7-9	1	3.580	0.230	4.050	3.335	
	9-11	1	3.580	0.230	4.050	3.335	
	11-13	1	3.580	0.230	4.050	3.335	
	13-15	1	3.580	0.230	4.050	3.335	
	15-17	1	3.580	0.230	4.050	3.335	
	17-19	1	3.580	0.230	4.050	3.335	
	19-22	1	3.580	0.230	4.050	3.335	
	1-2	1	6.300	0.230	4.050	5.868	
	2-3	1	6.300	0.230	4.050	5.868	
	20-21	1	6.300	0.230	4.050	5.868	
	21-22	1	6.300	0.230	4.050	5.868	
	Deduction						
	Rolling Shutter	-2	3.600	0.230	4.120	-6.820	
Net Qty. For Ground Floor						76.680	Cum
	First Floor						
	230mm Thick Brick Wall						
	Ht = 3.97 m.						
	1-4	1	3.580	0.230	3.970	3.269	
	4-6	1	3.580	0.230	3.970	3.269	
	6-8	1	3.580	0.230	3.970	3.269	
	8-10	1	3.580	0.230	3.970	3.269	

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	10-12	1	3.580	0.230	3.970	3.269	
	12-14	1	3.580	0.230	3.970	3.269	
	14-16	1	3.580	0.230	3.970	3.269	
	16-18	1	3.580	0.230	3.970	3.269	
	18-20	1	3.580	0.230	3.970	3.269	
	3-5	1	3.580	0.230	3.970	3.269	
	5-7	1	3.580	0.230	3.970	3.269	
	7-9	1	3.580	0.230	3.970	3.269	
	9-11	1	3.580	0.230	3.970	3.269	
	11-13	1	3.580	0.230	3.970	3.269	
	13-15	1	3.580	0.230	3.970	3.269	
	15-17	1	3.580	0.230	3.970	3.269	
	17-19	1	3.580	0.230	3.970	3.269	
	19-22	1	3.580	0.230	3.970	3.269	
	1-2	1	6.300	0.230	3.970	5.753	
	2-3	1	6.300	0.230	3.970	5.753	
	20-21	1	6.300	0.230	3.970	5.753	
	21-22	1	6.300	0.230	3.970	5.753	
	Deduction						
	V	-20	0.900	-	0.600	-10.800	
Net Qty. For First Floor						71.050	Cum
Plastering & Pointing							
17	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L.4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209						
Ground Floor							
Internal walls Ht = 4.05 - 0.13 = 3.92 m.							
	Shed	2	13.940	-	3.920	109.290	
		2	35.540	-	3.790	269.390	
	Deduction						
	Rolling Shutter	-2	3.600	-	4.120	-29.660	
	Deduction qty 1/2 X 29.66 = 14.83	1	29.660	0.500	-	14.830	
Net Qty. For Ground Floor						363.850	Sqm
First Floor							
Internal walls Ht = 3.97 - 0.13 = 3.84 m.							
	Shed	2	13.940	-	3.840	107.060	
		2	35.540	-	3.920	278.630	
	Deduction						
	V	-20	0.900	-	0.600	-10.800	
	Deduction qty 1/2 X 10.8 = 5.4	1	10.80	0.500	-	5.400	
Net Qty. For First Floor						380.290	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
18	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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209						
	Ground Floor						
	External walls (Ht = 0.9 + 4.05 = 4.95 m.)						
	Front & Back Side	2	14.400	-	4.950	142.560	
	Left & Right Side	2	36.000	-	4.950	356.400	
	Rolling Shutter	-2	3.60	-	4.12	-29.660	
	Deduction qty 1/2 X 29.66 = 14.83	1	29.660	0.500	-	14.830	
	Net Qty. For Ground Floor					484.130	Sqm
	First Floor						
	External walls (Ht = 4.05 m.)						
	Front & Back Side	2	14.400	-	4.050	116.640	
	Left & Right Side	2	36.000	-	4.050	291.600	
	Deductions						
	V	-20	0.90	-	0.60	-10.800	
	Deduction qty 1/2 X 10.8 = 5.4	1	10.800	0.500	-	5.400	
	Net Qty. For First Floor					402.840	Sqm
	Paving, Flooring & Dado						
19	Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec. No. Bd.M.3 Page 1 No.380.SSR I.No.33.06, Sr.No.993 P.No.213						
	Ground Floor						
	Shed	1	13.94	35.540	-	495.430	
	Otta	2	3.60	0.900	-	6.480	
	Net Qty. For Ground Floor					501.910	Sqm
20	Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete. For Flooring Spec. No. As directed by Engineer in charge. SSR I.No.33.28, Sr.No.1015 P.No.216						
	Ground Floor						
	Qty. As Per Item No. 19	1	501.91	1.000	-	501.910	
	Net Qty. For Ground Floor					501.910	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
21	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. Spec No.: As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214						
	Ground Floor						
	Entrance Steps						
	Tread	2	5	3.60	0.300	10.800	
	Riser	2	6	3.60	0.150	6.480	
	Net Qty. For Ground Floor					17.280	Sqm
	Oil Painting						
22	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.) etc. complete. Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227						
	Ground Floor						
	Qty. As Per Item No. 17 (12mm Plaster)	1	363.85	1.000	-	363.850	
	Net Qty. For Ground Floor					363.850	Sqm
	First Floor						
	Qty. As Per Item No. 17 (12mm Plaster)	1	380.29	1.000	-	380.290	
	Net Qty. For First Floor					380.290	Sqm
23	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. : As directed by Engineer in charge. SSR I.No.35.15, Sr.No.1085, P.no.224						
	Ground Floor						
	Qty. As Per Item No. 18 (Sand Face Plaster)	1	484.13	1.000	-	484.130	
	Net Qty. For Ground Floor					484.130	Sqm
	First Floor						
	Qty. As Per Item No. 18 (Sand Face Plaster)	1	402.84	1.000	-	402.840	
	Net Qty. For First Floor					402.840	Sqm
24	Providing and applying two coats of synthetic enamel paint of approved colour to new /old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete. Spec. No. Bd.0.5 Page 1 No. 405..SSR I.No.35.07, Sr.No.1077 P.No.227						
	Ground Floor						
	Rolling Shutter	2	3.60	-	4.120	29.664	
	Net Qty. For Ground Floor					29.660	Sqm

Item No.	Item of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
25	Doors & Windows Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm 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 etc. complete. (I.S. 62481979) (With mechanical gear) Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.39.25, Sr.No.1218, P.No.249						
	Ground Floor						
	Rolling Shutter	2	3.6000	-	4.120	29.664	
	Net Qty. For Ground Floor					29.660	Sqm
26	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259						
	First Floor						
	V = (0.90 X 0.60) (20 Nos)	20	0.90	-	0.600	10.800	
	Net Qty. For First Floor					10.800	Sqm
	Water Supply & Sanitary Fittings						
27	Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number, filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.. Spec No. As directed by Engineer Incharge. SSR I.No.42.85, Sr.No.1456, P.No.283						
	Ground Floor						
		1	20.00	1.000	-	20.000	
	Net Qty. For Ground Floor					20.000	Rgm
	First Floor						
		1	20.00	1.000	-	20.000	
	Net Qty. For First Floor					20.000	Rgm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
28	Providing and fixing colour coated Zincalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT) , Hi-strength steel with min.550 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 polyester 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 nom. 9501050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre)Spec. No. As directed by Engineer in Charge SSR I.No.38.34, Sr.No.1174 P.No.236						
	Ground Floor						
	Shed	2	7.850	36.000	-	565.200	
	Net Qty. For Ground Floor					565.200	Sqm
29	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge Spec. No. MORTH 801.SSR I.No.6.36, Sr.No.284 P.No.60						
	Ground Floor						
		1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
30	Royalty Charges-as per statement attached						
	For Sand	1	192.52	1.000	-	192.520	
	For Hard Murum	1	380.26	1.000	-	380.260	
	Net Total Qty.					572.780	Cum
	Quality Control Charges Items.						
	1) Basic Test of Cement						
31	Carrying out basic tests on cement for standard consistancy, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1						
		1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	2) Fine Aggregates						
32	Carrying out basic tests on Sand for Fineness modulus,Silt and clay content.Spec.No.As directed by Engineer in Charge.SSR I.No.11 P.No.360						
		1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test

No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
28	Providing and fixing colour coated Zincalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 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 polyester 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 nom. 9501050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre)Spec. No. As directed by Engineer in Charge SSR I.No.38.34, Sr.No.1174 P.No.236						
	Ground Floor						
	Shed	2	7.850	36.000	-	565.200	
	Net Qty. For Ground Floor					565.200	Sqm
29	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross-braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge Spec. No. MORTH 801.SSR I.No.6.36, Sr.No.284 P.No.60						
	Ground Floor						
		1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
30	Royalty Charges-as per statement attached						
	For Sand	1	192.52	1.000	-	192.520	
	For Hard Murum	1	380.26	1.000	-	380.260	
	Net Total Qty.					572.780	Cum
	Quality Control Charges Items.						
	1) Basic Test of Cement						
31	Carrying out basic tests on cement for standard consistancy, Fineness. Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1						
		1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	2) Fine Aggregates						
32	Carrying out basic tests on Sand for Fineness modulus,Silt and clay content.Spec.No.As directed by Engineer in Charge.SSR I.No.11 P.No.360						
		1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test

Sl. No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
33	Carrying out basic tests on Sand for chloride and sulphate content. Spec. No. As directed by Engineer in Charge. SSR I.No.12 P.No.386	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
	3) Basic Test of Aggregates						
34	Carrying out basic tests on Aggregates for Water absorption, specific gravity, Impact value, crushing value. Spec. No. As directed by Engineer in Charge. SSR I.No.2 P.No.360	2	-	-	-	2	Test
	Net Qty. For Ground Floor					2	Test
35	Carrying out basic tests on Aggregates for Sieve Analysis. Spec. No. As directed by Engineer in Charge. SSR I.No.3 P.No.360	2	-	-	-	2	Test
	Net Qty. For Ground Floor					2	Test
	4) Basic Test of Concrete						
36	Carrying out basic tests on Concrete cubes for compressive strength. Spec. No. As directed by Engineer in Charge. SSR I.No.20 P.No.387	6	-	-	-	6	Test
	Net Qty. For Ground Floor					6	Test
37	Carrying out basic tests on Concrete for Mix design. Spec. No. As directed by Engineer in Charge. SSR I.No.21 P.No.387.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
	5) Basic Test of Bricks						
38	Carrying out basic tests on Bricks for water absorption, Efflorescence, compressive strength. Spec. No. As directed by Engineer in Charge. SSR I.No.14 P.No.386.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
	6) Basic Test of Ceramic Tiles / Vitrified Tiles						
39	Carrying out basic tests on Vitrified Tiles for water absorption, modulus of rupture. Spec. No. As directed by Engineer in Charge. SSR I.No.21 P.No.361.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
	7) Basic Test of Steel Anticorrosive Test						
40	Carrying out basic tests on T.M.T. Steel (Anti corrosive test) for resistance to applied voltage. Spec. No. As directed by Engineer in Charge. SSR I.No.84 P.No.364.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
41	Carrying out basic tests on T.M.T. Steel (Anti corrosive test) for thickness of coating. Spec. No. As directed by Engineer in Charge. SSR I.No.86 P.No.364.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test

Sl. No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
42	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for chemical resistance.Spec.No.As directed by Engineer in Charge.SSR I.No.87 P.No.364.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
43	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for hardness of coating.Spec.No.As directed by Engineer in Charge.SSR I.No.88 P.No.364.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
44	Carrying out basic tests on T.M.T.Steel (Anti corrosive test) for Salt spray test.Spec.No.As directed by Engineer in Charge.SSR I.No.89 P.No.364.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	8) Basic Test of Steel Bar Testing						
45	Carrying out basic tests on T.M.T.Steel (Bar testing above 16 mm) for Tensile strength,% Elongation,Yield stress,Weight /m,Bend/rebend test.proof test.Spec.No.As directed by Engineer in Charge.SSR I.No.91 P.No.364.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
46	Carrying out basic tests on T.M.T.Steel (Bar testing upto 16 mm) for Tensile strength,% Elongation,Yield stress,Weight /m,Bend/rebend test.proof test.Spec.No.As directed by Engineer in Charge.SSR I.No.90 P.No.364.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	9) Basic Test of Concrete Paving Block						
47	Carrying out basic tests on Concrete paving block for Comp.strength, Water absorption,Flexural test,Resistance to wear.Spec.No.As directed by Engineer in Charge.SSR I.No.32 P.No.361.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	10) Basic Test of Mortar						
48	Carrying out basic tests on Mortar for Comp.strength.Spec.No.As directed by Engineer in Charge.SSR I.No.33 P.No.361.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test
	11) Basic Test of Stone / Rubble						
49	Carrying out basic tests on stone/rubble for Crushing value/Comp.strength,water absorption and specific gravity .Spec.No.As directed by Engineer in Charge.SSR I.No.34 P.No.361.	1	-	-	-	1	
	Net Qty. For Ground Floor					1	Test

Sl. No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
50	12) Basic Test of Soil / Murum Carrying out basic tests on soil/Murum for field moisture content .Spec.No.As directed by Engineer in Charge.SSR I.No.36 P.No.361.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
51	Carrying out basic tests on soil/Murum for liquid limit and plastic limit .Spec.No.As directed by Engineer in Charge.SSR I.No.37 P.No.361.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
52	13) Basic Test of Wood Carrying out basic tests on wood for density and moisture content .Spec.No.As directed by Engineer in Charge.SSR I.No.70 P.No.363.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
53	14) Basic Test of Flush Door Carrying out basic tests on flush door for knif test, adhesion test and end immersion test .Spec.No.As directed by Engineer in Charge.SSR I.No.71 P.No.363.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
54	15) Basic Test of Aluminium Section Carrying out basic tests on aluminium section for thickness, mass per running meter .Spec.No.As directed by Engineer in Charge.SSR I.No.75 P.No.363.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test
55	16) Basic Test of G.I Pipes Carrying out basic tests on G.I.Pipes for wt. per running meter, dia.of pipe and wall thickness of pipe .Spec.No.As directed by Engineer in Charge.SSR I.No.81 P.No.364.	1	-	-	-	1	Test
	Net Qty. For Ground Floor					1	Test



[Handwritten Signature]

**JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD**

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Rate Analysis

No.	Item Of Work.	Unit.
Excavation		
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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153	
	Basic Rate As Per SSR 2022-23	Rs : 207.00
	Net Amount For Ground Floor	207.000 /Cum
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153	
	Basic Rate As Per SSR 2022-23	Rs : 227.00
	Net Amount For Ground Floor	227.000 /Cum
3	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157	
	Basic Rate As Per SSR 2022-23	Rs : 599.00
	Add Lead Charges For Hard Murum 1 1.00 203.32	Rs : 203.32
	Net Amount For Ground Floor	802.320 /Cum
4	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the bottom surface and sides of excavation at the rate of 5 litres of emulsion concentrate of 1.0 percent of chlorophyrifos per square meter of surface area covering 10 years guarantee on bond paper...Spec. No. As directed by Engineer in Charge. SSR I.No.21.22, Sr.No.737, P.No.155	
	Basic Rate As Per SSR 2022-23	Rs : 107.00
	Net Amount For Ground Floor	107.000 /Sqm
5	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) treatment by treating the backfill in immediate contact with foundation at the rate of 5 litres of emulsion concentrate of 1.0 percent of clorophyrifos per One Square Metrc of verticalsurface area covering 10 years guarantee on bond paper.. Spec. No. As directed by Engineer in harge. SSR I.No.21.23, Sr.No.738 P.No.155	
	Basic Rate As Per SSR 2022-23	Rs : 112.00
	Net Amount For Ground Floor	112.000 /Sqm
6	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of clorophyrifos per One Square Metrc of surface area covering ten years guarantee on bond paper... Spec. No. As directed by Engineer in harge. SSR I.No.21.24, Sr.No.739 P.No.156	
	Basic Rate As Per SSR 2022-23	Rs : 108.00
	Net Amount For Ground Floor	108.000 /Sqm

No.	Item Of Work.	Unit.
7	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157	
	Basic Rate As Per SSR 2022-23	Rs : 1454.00
	Add Lead Charges For Metal	1 1.00 745.07 Rs : 745.07
	Add Lead Charges For Sand	1 0.15 1013.02 Rs : 151.95
	Net Amount For Ground Floor	2351.020 /Cum

Plain Cement Concrete

8	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175	
	Basic Rate As Per SSR 2022-23	Rs : 5830.00
	Add Lead Charges For 40mm Metal	1 0.70 583.64 Rs : 408.55
	Add Lead Charges For 20mm Metal	1 0.24 609.02 Rs : 146.16
	Add Lead Charges For Sand	1 0.47 1013.02 Rs : 476.12
	Add Lead Charges For Cement	1 0.22 179.59 Rs : 39.51
	Net Amount For Ground Floor	6900.340 /Cum

- 9 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176

	Basic Rate As Per SSR 2022-23	Rs : 6359.00
	Add Lead Charges For 40mm Metal	1 0.56 583.64 Rs : 326.84
	Add Lead Charges For 20mm Metal	1 0.22 609.02 Rs : 133.98
	Add Lead Charges For 10 / 12mm Metal	1 0.11 609.02 Rs : 66.99
	Add Lead Charges For Sand	1 0.44 1013.02 Rs : 445.73
	Add Lead Charges For Cement	1 0.30 179.59 Rs : 53.88
	Net Amount For Ground Floor	7386.420 /Cum

Reinforcement Cement Concrete

- 10 Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11, Sr.No.836 P.No.178

2

No.	Item Of Work.				Unit.
	Basic Rate As Per SSR 2022-23			Rs :	7104.00
	Add Lead Charges For 20mm Metal	1	0.570	609.02	Rs : 347.14
	Add Lead Charges For 10 / 12mm Metal	1	0.280	609.02	Rs : 170.53
	Add Lead Charges For Sand	1	0.425	1013.02	Rs : 430.53
	Add Lead Charges For Cement	1	0.350	179.59	Rs : 62.86
	Net Amount For Ground Floor				8115.060 /Cum

11 Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179

	Basic Rate As Per SSR 2022-23			Rs :	13783.00
	Add Lead Charges For 20mm Metal	1	0.570	609.02	Rs : 347.14
	Add Lead Charges For 10 / 12mm Metal	1	0.280	609.02	Rs : 170.53
	Add Lead Charges For Sand	1	0.425	1013.02	Rs : 430.53
	Add Lead Charges For Cement	1	0.350	179.59	Rs : 62.86
	Net Amount For Ground Floor				14794.060 /Cum
	Add 1% For 1st Lift	1	13783.00	1%	Rs : 137.83
	Net Amount For First Floor				14931.89 /Cum

12 Providing and laying Cast in situ/Ready Mix cement concrete M-20 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, compaction and 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number38 Page.No. 38.SSR I.No.25.50, Sr.No.846, P.No.181

	Basic Rate As Per SSR 2022-23			Rs :	12269.00
	Add Lead Charges For 20mm Metal	1	0.570	609.02	Rs : 347.14
	Add Lead Charges For 10 / 12mm Metal	1	0.280	609.02	Rs : 170.53
	Add Lead Charges For Sand	1	0.425	1013.02	Rs : 430.53
	Add Lead Charges For Cement	1	0.350	179.59	Rs : 62.86
	Net Amount For Ground Floor				13280.060 /Cum
	Add 1% For 1st Lift	1	12269.00	1%	Rs : 122.69
	Net Amount For First Floor				13402.75 /Cum

13 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.. Spec.No. Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188

	Basic Rate As Per SSR 2022-23			Rs :	89703.00
	Add Lead Charges For Steel	1	1.00	179.59	Rs : 179.59
	Net Amount For Ground Floor				89882.590 /M.T.

No.	Item Of Work.				Unit.
	Add 1% For 1st Lift	1	89703.00	1%	Rs : 897.03
	Net Amount For First Floor				90779.62 /M.T.

Structural Steel Work

- 14 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 anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.04, Sr.No.819, P.No.173

	Basic Rate As Per SSR 2022-23				Rs : 119459.00
	Add Lead Charges For Steel	1	1.00	179.59	Rs : 179.59
	Net Amount For Ground Floor				Rs : 119638.590 /M.T.
	Add 1% For 1st Lift	1	119459.00	1%	Rs : 1194.59
	Net Amount For First Floor				Rs : 120833.180 /M.T.

Brick Work

- 15 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198

	Basic Rate As Per SSR 2022-23				Rs : 6884.00
	Add Lead Charges For Brick	1	0.475	484.430	Rs : 230.10
	Add Lead Charges For Sand	1	0.320	1013.020	Rs : 324.17
	Add Lead Charges For Cement	1	0.079	179.590	Rs : 14.19
	Net Amount For Ground Floor				7452.460 /Cum

- 16 Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As director by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198

	Basic Rate As Per SSR 2022-23				Rs : 7106.00
	Add Lead Charges For Brick	1	0.475	484.430	Rs : 230.10
	Add Lead Charges For Sand	1	0.320	1013.020	Rs : 324.17
	Add Lead Charges For Cement	1	0.079	179.590	Rs : 14.19
	Net Amount For Ground Floor				7674.460 /Cum
	Add 1% For 1st Lift	1	7106.00	1%	Rs : 71.06
	Net Amount For First Floor				7745.52 /Cum

Plastering & Pointing

- 17 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209

	Basic Rate As Per SSR 2022-23				Rs : 271.00
	Add Lead Charges For Sand	1	0.015	1013.020	Rs : 15.20
	Add Lead Charges For Cement	1	0.00450	179.590	Rs : 0.81
	Net Amount For Ground Floor				287.000 /Sqm
	Add 1% For 1st Lift	1	271.00	1%	Rs : 2.71
	Net Amount For First Floor				289.71 /Sqm

No.	Item Of Work.	Unit.
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18 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 Kilogram 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209

Basic Rate As Per SSR 2022-23				Rs :	639.00
Add Lead Charges For Sand	1	0.033	1013.020	Rs :	33.43
Add Lead Charges For Cement	1	0.0125	179.590	Rs :	2.24
Net Amount For Ground Floor					674.670 /Sqm
Add 1% For 1st Lift	1	639.00	1%	Rs :	6.39
Net Amount For First Floor					681.06 /Sqm

Paving, Flooring & Dado

19 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec. No. Bd.M.3 Page 1 No.380.SSR I.No.33.06, Sr.No.993 P.No.213

Basic Rate As Per SSR 2022-23				Rs :	1247.00
Add Lead Charges For Sand	1	0.022	1013.020	Rs :	22.29
Add Lead Charges For Cement	1	0.00675	179.590	Rs :	1.21
Net Amount For Ground Floor					1270.500 /Sqm
Add 1% For 1st Lift	1	1247.00	1%	Rs :	12.47
Net Amount For First Floor					1282.97 /Sqm

20 Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete. For Flooring Spec. No. As directed by Engineer in charge. SSR I.No.33.28, Sr.No.1015 P.No.216

Basic Rate As Per SSR 2022-23				Rs :	149.00
Net Amount For Ground Floor					149.000 /Sqm
Add 1% For 1st Lift	1	149.00	1%	Rs :	1.49
Net Amount For First Floor					150.49 /Sqm

21 Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec No.:As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214

Basic Rate As Per SSR 2022-23				Rs :	1572.00
Add Lead Charges For Sand	1	0.020	1013.020	Rs :	20.26
Add Lead Charges For Cement	1	0.00925	179.590	Rs :	1.66
Net Amount For Ground Floor					1593.920 /Sqm
Add 1% For 1st Lift	1	1572.00	1%	Rs :	15.72
Net Amount For First Floor					1609.64 /Sqm

No.	Item Of Work.	Unit.
22	Oil Painting 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.) etc. complete. Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227	
	Basic Rate As Per SSR 2022-23	Rs : 48.00
	Net Amount For Ground Floor	48.000 /Sqm
	Add 1% For 1st Lift	1 48.00 1% Rs : 0.48
	Net Amount For First Floor	48.48 /Sqm
23	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. : As directed by Engineer in charge. SSR I.No.35.15, Sr.No.1085, P.no.224	
	Basic Rate As Per SSR 2022-23	Rs : 104.00
	Net Amount For Ground Floor	104.000 /Sqm
	Add 1% For 1st Lift	1 104.00 1% Rs : 1.04
	Net Amount For First Floor	105.04 /Sqm
24	Providing and applying two coats of synthetic enamel paint of approved colour to new /old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete. Spec. No. Bd.0.5 Page 1 No. 405..SSR I.No.35.07, Sr.No.1077 P.No.227	
	Basic Rate As Per SSR 2022-23	Rs : 96.00
	Net Amount For Ground Floor	96.000 /Sqm
25	Doors & Windows Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm and 3.15 mm respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm minimum size and shape with square bar, suspension shaft of minimum 32 mm diameter, hood cover of M.S. sheet not less than 0.9 mm 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 etc. complete. (I.S. 62481979) (With mechanical gear) Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.39.25, Sr.No.1218, P.No.249	
	Basic Rate As Per SSR 2022-23	Rs : 5308.00
	Net Amount For Ground Floor	5308.00 /Sqm
26	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259	
	Basic Rate As Per SSR 2022-23	Rs : 3467.00
	Net Amount For Ground Floor	3467.000 /Sqm
	Add 1% For 1st Lift	1 3467.00 1% Rs : 34.67
	Net Amount For First Floor	3501.67 /Sqm

No.	Item Of Work.	Unit.
	Water Supply & Sanitary Fittings	
27.	Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.. Spec No. As directed by Engineer Incharge. SSR I.No.42.85, Sr.No.1456, P.No.283	
	Basic Rate As Per SSR 2022-23	Rs : 1481.00
	Net Amount For Ground Floor	1481.000 /Rgm
	Add 1% For 1st Lift	1 1481.00 1% Rs : 14.81
	Net Amount For First Floor	1495.81 /Rgm
28	Providing and fixing colour coated Zincale (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.5 mm TCT), Hi-strength steel with min.550 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 polyester 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 nom. 9501050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center- to-center. The end rib 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. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weight of profile 4.52 Kilogram/ One Square Metre)Spec. No. As directed by Engineer in Charge SSR I.No.38.34, Sr.No.1174 P.No.236	
	Basic Rate As Per SSR 2022-23	Rs: 1173.00
	Net Amount For First Floor	1173.000 /Sqm
	Add 1% For 1st Lift	1 1173.00 1% Rs : 11.73
	Net Amount For First Floor	1184.73 /Sqm

Sl. No.	Item Of Work.	Unit.
29	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge Spec. No. MORTH 801.SSR I.No.6.36, Sr.No.284 P.No.60	
Basic Rate As Per SSR 2022-23		Rs : 9963.00
Net Amount For Ground Floor		9963.000 /Nos



JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit
for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Testing Charges for Construction Materials

Various following tests for

Materials	Test	Qty.	Unit	Frequency Required	No. of Tests	Rate/Test	Total Amount
Cement	Std. consistency, Fineness, Sp. Gravity, Setting Times, Comp. Strength, Soundness	1420.00	Bags	Per 1000 Bags	1	3770.00	3770.00
Sand	Fineness mod., Moisture content, Bulkage and silt factor	192.52	Cum	per source	1	2175.00	2175.00
Aggregate	Water absorption, specific gravity, Impact value, crushing value, Sieve analysis, Bulk density.	171.00	Cum	Per 100 Cum	2	3290.00	6580.00
Concrete	Mix Design	162.37	Cum	Per Work	1	13755.00	13755.00
Concrete cubes	Comp. strength of cubes,	162.37	Cum	1 - 5 Cum 1 Test 6 - 15 Cum 2 Test 16 - 30 Cum 3 Test 31 - 50 Cum 4 Test 50 & Above 4 Plus	6	690.00	4140.00
Bricks	Water absorption, Comp. Strength, Efflorescence	19266	Nos.	A set of 15 bricks for 50000 consignment or part there of.	1	2175.00	2175.00
Vitrified Tiles	Water absorption, Mod. of Rupture,	1442.00	Nos.	6 tiles shall be tested or every test for every 2000 tiles or part there of.	1	2495.00	2495.00
Steel	Resistance, Thickness of coating, Salt spray, Hardness of coating, Tensile str., % Elongation, Yield str., Wt./m, Proof tests etc.	13.170	M.T.		1	8765.00	8765.00
Concrete Paving Block	Comp strength, Water absorption, Flexural test, Resistance to wear	0.00	Sqm		1	2495.00	2495.00
Mortar	Compressive Strength (Set of 3 Cubes)				1	690.00	690.00
Stone	Crushing value/Comp. strength, water absorption and specific gravity				1	2020.00	2020.00
Murum	Field moisture content, liquid limit and plastic limit sieve analysis			One test for compaction of 1 layer in one km. and every change in source	1	1860.00	1860.00
Wood	density and moisture content				1	1060.00	1060.00
Flush door	knif test, adhesion test and end immersion test				1	2710.00	2710.00
Alu. section	thickness, mass per running meter				1	690.00	690.00
G.I. Pipe	wt. per running meter, dia. of pipe and wall thickness of pipe				1	265.00	265.00
Total Rs.							55645.00



APJ
JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Royalty Statement

It. No.	Item Of Work.	Unit.	QTY	Sand		SM / HM	
				Cons. Rat	Qty.	Cons. Rat	Qty.
3	Filling in plinth and floors with contractors material/ brought from SSR I.No. 21.37, Sr.No.744, P.No.152						
	Ground Floor	Cum	380.260	-	-	1.000	380.260
7	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, SSR I.No. 21.40, Sr.No. 747, P.No.152						
	Ground Floor	Cum	103.470	0.150	15.520	-	-
8	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for SSR I.No.24.01, Sr.No.820, P.No.169						
	Ground Floor	Cum	50.190	0.470	23.590	-	-
9	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed SSR I.No. 24.08, Sr.No. 823, P.169						
	Ground Floor	Cum	10.260	0.440	4.510	-	-
10	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, SSR I.No.25.11, Sr.No.829 P.No.172						
	First Floor	Cum	17.610	0.425	7.480	-	-
11	Providing and 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 SSR I.No.25.31, Sr.No.834, P.No.173						
	Ground Floor	Cum	28.750	0.425	12.220	-	-
	First Floor	Cum	21.740	0.425	9.240	-	-
12	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per SSR I.No.25.50, Sr.No.839, P.No.175						
	Ground Floor	Cum	21.540	0.425	9.150	-	-
	First Floor	Cum	12.280	0.425	5.220	-	-

			QTY	Cons. Rat	Qty.	Cons. Rat	Qty.
15	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth SSR I.No.27.12, Sr.No.892 P.No.190						
	Ground Floor	Cum	20.280	0.320	6.490	-	-
16	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including SSR I.No.27.13, Sr.No.893 P.No.190						
	Ground Floor	Cum	76.680	0.320	24.540	-	-
	First Floor	Cum	71.050	0.320	22.740	-	-
17	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick SSR I.No.32.03, Sr.No.950, P.No.201						
	Ground Floor	Sqm	363.850	0.015	5.460	-	-
	First Floor	Sqm	380.290	0.015	5.700	-	-
18	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base SSR I.No.32.11, Sr.No.956 P.No.201						
	Ground Floor	Sqm	484.130	0.033	15.980	-	-
	First Floor	Sqm	402.840	0.033	13.290	-	-
Paving, Flooring & Dado							
19	Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width SSR I.No.33.06, Sr.No.986 P.No.205						
	Ground Floor	Sqm	501.910	0.022	11.040	-	-
21	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with SSR I.No.33.18, Sr.No.998, P.207						
	Ground Floor	Sqm	17.280	0.020	0.350	-	-
					Total Qty.	192.520	380.260
					Rate of Royalty	237.370	216.180
					Total Royalty Amount	45698.47	82204.61

Total Qty. 572.780
Total Amount 127903.08



[Signature]
JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Abstract

Name of Work :- Construction of Drying yard for Aditya Raj producer Company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Abstract Sheet (Drying Yard)

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
Excavation					
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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153				
	Ground Floor	5.730	215.28	Cum	1234.00
2	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157				
	Ground Floor	525.900	815.38	Cum	428808.00
Plain Cement Concrete					
3	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175				
	Ground Floor	234.090	5951.41	Cum	1393166.00
4	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176				
	Ground Floor	5.730	6420.33	Cum	36788.00
Brick Work					
5	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198				
	Ground Floor	10.640	7767.26	Cum	82644.00


Abstract

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
Plastering & Pointing					
6	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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209				
	Ground Floor	66.380	674.84	Sqm	44796.00
7	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. :As directed by Engineer- incharge. SSR I.No.35.14, Sr.No.1084 P.No.224				
	Ground Floor	66.380	81.12	Sqm	5385.00
8	Royalty Charges-as per statement attached				
	For Sand	118.130	237.44	Cum	28049.00
	For Hard Murum	525.900	216.24	Cum	113721.00
Quality Control Charges Items.					
1) Basic Test of Cement					
9	Carrying out basic tests on cement for standard consistancy, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1 P.No.360				
	Ground Floor	1.000	3770.00	/ Test	3770.00
2) Fine Aggregates					
10	Carrying out basic tests on Sand for Fineness modulus,Silt and clay content.Spec.No.As directed by Engineer in Charge.SSR I.No.11 P.No.360				
	Ground Floor	1.000	1380.00	/ Test	1380.00
11	Carrying out basic tests on Sand for chloride and sulphate content.Spec.No.As directed by Engineer in Charge.SSR I.No.12 P.No.386				
	Ground Floor	1.000	795.00	/ Test	795.00
3) Basic Test of Aggregates					
12	Carrying out basic tests on Aggregates for Water absorption,specific gravity.Impact value,crushing value.Spec.No.As directed by Engineer in Charge.SSR I.No.2 P.No.360				
	Ground Floor	2.000	2450.00	/ Test	4900.00
13	Carrying out basic tests on Aggregates for Sieve Analysis.Spec.No.As directed by Engineer in Charge.SSR I.No.3 P.No.360				
	Ground Floor	2.000	690.00	/ Test	1380.00
4) Basic Test of Concrete					
14	Carrying out basic tests on Concrete cubes for compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.20 P.No.387				
	Ground Floor	8.000	690.00	/ Test	5520.00
15	Carrying out basic tests on Concrete for Mix design.Spec.No.As directed by Engineer in Charge.SSR I.No.21 P.No.387.				
	Ground Floor	1.000	13755.00	/ Test	13755.00

Abstract

Item No.	Item Of Work.	Qty.	Rate	Unit	Amount
16	5) Basic Test of Bricks Carrying out basic tests on Bricks for water absorptio, Efflorescence, compressive strength. Spec.No.As directed by Engineer in Charge.SSR I.No.14 P.No.386.	1.000	2175.00	/ Test	2175.00
	Ground Floor				
29	10) Basic Test of Mortar Carrying out basic tests on Mortar for Comp.strength.Spec.No.As directed by Engineer in Charge.SSR I.No.33 P.No.361.	1.000	690.00	/ Test	690.00
	Ground Floor				
30	11) Basic Test of Stone / Rubble Carrying out basic tests on stone/rubble for Crushing value/Comp.strength,water absorption and specific gravity .Spec.No.As directed by Engineer in Charge.SSR I.No.34 P.No.361.	1.000	2020.00	/ Test	2020.00
	Ground Floor				
31	12) Basic Test of Soil / Murum Carrying out basic tests on soil/Murum for field moisture content .Spec.No.As directed by Engineer in Charge.SSR I.No.36 P.No.361.	1.000	690.00	/ Test	690.00
	Ground Floor				
32	Carrying out basic tests on soil/Murum for liquid limit and plastic limit .Spec.No.As directed by Engineer in Charge.SSR I.No.37 P.No.361.	1.000	1170.00	/ Test	1170.00
	Ground Floor				
Total Rs : =					2172836.0




**JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD**

Measurement

Name of Work :- Construction of Drying yard for Aditya Raj producer Company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Measurement Sheet (Drying Yard)

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
1. Excavation							
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 and 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 Meats. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153						
Ground Floor							
	Drying Yard Walls	2	36.576	0.380	0.075	2.080	
		2	64.000	0.380	0.075	3.650	
Net Qty. For Ground Floor						5.730	Cum
2	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157						
Ground Floor							
	Ht = 0.33 - 0.10 = 0.23m.						
	Drying Yard	1	36.116	64.000	0.230	531.630	
	Deduction						
	Qty As Per It.No.1	-1	5.730	1.000	1.000	-5.730	
Net Qty. For Ground Floor						525.900	Cum
3. Plain Cement Concrete							
3	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175						
Ground Floor							
Below Flooring							
	Drying Yard Walls	1	36.576	64.000	0.100	234.090	
Net Qty. For Ground Floor						234.090	Cum
4	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepec. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176						
Ground Floor							
	Drying Yard Walls	2	36.576	0.380	0.075	2.080	
		2	64.000	0.380	0.075	3.650	
Net Qty. For Ground Floor						5.730	Cum

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
Brick Work							
5	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete. Spec. No. As directed by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198						
Ground Floor							
External plinth beam (G1 Ht = 0.75 m.)							
	Drying Yard Walls	2	36.576	0.230	0.230	3.870	
		2	64.000	0.230	0.230	6.770	
Net Qty. For Ground Floor						10.640	Cum
6	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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209						
Ground Floor							
	Drying Yard Walls	2	36.576	-	0.330	24.140	
		2	64.000	-	0.330	42.240	
Net Qty. For Ground Floor						66.380	Sqm
7	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. :As directed by Engineer- incharge. SSR I.No.35.14, Sr.No.1084 P.No.224						
Ground Floor							
	Qty. as Per Sand Faced Plaster	1	66.380	-	1.000	66.380	
Net Qty. For Ground Floor						66.380	Sqm
8	Royalty Charges-as per statement attached						
	Foe Sand	1	118.13	1.000	-	118.130	
	Foe Hard Murum	1	525.90	1.000	-	525.900	
Net Qty. For Ground Floor						644.030	Cum
Quality Control Charges Items.							
1) Basic Test of Cement							
9	Carrying out basic tests on cement for standard consistancy, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1 P.No.360						
		1	-	-	-	1.000	
Net Qty. For Ground Floor						1.000	/Test
2) Fine Aggregates							
10	Carrying out basic tests on Sand for Fineness modulus,Silt and clay content.Spec.No.As directed by Engineer in Charge.SSR I.No.11 P.No.360						
		1	-	-	-	1.000	
Net Qty. For Ground Floor						1.000	/Test

Measurement

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
11	Carrying out basic tests on Sand for chloride and sulphate content.Spec.No.As directed by Engineer in Charge.SSR I.No.12 P.No.386	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	3) Basic Test of Aggregates						
12	Carrying out basic tests on Aggregates for Water absorption,specific gravity.Impact value,crushing value.Spec.No.As directed by Engineer in Charge.SSR I.No.2 P.No.360	2	-	-	-	2.000	
	Net Qty. For Ground Floor					2.000	/Test
13	Carrying out basic tests on Aggregates for Sieve Analysis.Spec.No.As directed by Engineer in Charge.SSR I.No.3 P.No.360	2	-	-	-	2.000	
	Net Qty. For Ground Floor					2.000	/Test
	4) Basic Test of Concrete						
14	Carrying out basic tests on Concrete cubes for compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.20 P.No.387	8	-	-	-	8.000	
	Net Qty. For Ground Floor					8.000	/Test
15	Carrying out basic tests on Concrete for Mix design.Spec.No.As directed by Engineer in Charge.SSR I.No.21 P.No.387.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	5) Basic Test of Bricks						
16	Carrying out basic tests on Bricks for water absorptio,Efflorescence, compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.14 P.No.386.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	9) Basic Test of Concrete Paving Block						
17	Carrying out basic tests on Concrete paving block for Comp.strength, Water absorption,Flexural test,Resistance to wear.Spec.No.As directed by Engineer in Charge.SSR I.No.32 P.No.361.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	10) Basic Test of Mortar						
18	Carrying out basic tests on Mortar for Comp.strength.Spec.No.As directed by Engineer in Charge.SSR I.No.33 P.No.361.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	11) Basic Test of Stone / Rubble						
19	Carrying out basic tests on stone/rubble for Crushing value/Comp.strength,water absorption and specific gravity .Spec.No.As directed by Engineer in Charge.SSR I.No.34 P.No.361.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test

Measurement

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	12) Basic Test of Soil / Murum						
20	Carrying out basic tests on soil/Murum for field moisture content .Spec.No.As directed by Engineer in Charge.SSR I.No.36 P.No.361.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
21	Carrying out basic tests on soil/Murum for liquid limit and plastic limit .Spec.No.As directed by Engineer in Charge.SSR I.No.37 P.No.361.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test
	16) Basic Test of G.I. Pipes						
22	Carrying out basic tests on G.I.Pipes for wt. per running meter, dia.of pipe and wall thickness of pipe .Spec.No.As directed by Engineer in Charge.SSR I.No.81 P.No.364.	1	-	-	-	1.000	
	Net Qty. For Ground Floor					1.000	/Test



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JV STRUCTURAL
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AURANGABAD

Rate Analysis

Name of Work :- Construction of Drying yard for Aditya Raj producer Company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Rate Analysis (Drying Yard)

It. No.	Item Of Work.	Unit.
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Excavation

- 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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153

Basic Rate As Per SSR 2022-23				Rs :	207.00
Add 4% For Municipal Council Areas	1	207.00	0.04	Rs :	8.28

Net Amount For Ground Floor					215.280 /Cum
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- 2 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157

Basic Rate As Per SSR 2022-23				Rs :	599.00
Add 4% For Municipal Council Areas	1	599.00	0.04	Rs :	23.96
Add Lead Charges For Hard Murum	1	1.00	192.42	Rs :	192.42

Net Amount For Ground Floor					815.380 /Cum
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Plain Cement Concrete

- 3 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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175

Basic Rate As Per SSR 2022-23				Rs :	5830.00
Deduct 10% for Scada	-1	5830.000	10%	Rs :	-583.00

Sub Total					Rs : 5247.000
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Add 4% For Municipal Council Areas	1	5247.00	4%	Rs :	209.88
Add Lead Charges For 40mm Metal	1	0.70	366.33	Rs :	256.43
Add Lead Charges For 20mm Metal	1	0.24	382.26	Rs :	91.74
Add Lead Charges For Sand	1	0.47	311.40	Rs :	146.36
Add Lead Charges For Cement	1	0.22	0.00	Rs :	0.00

Net Amount For Ground Floor					5951.410 /Cum
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- 4 Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepe. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176

Basic Rate As Per SSR 2022-23				Rs :	6359.00
Deduct 10% for Scada	-1	6359.000	10%	Rs :	-635.90

Sub Total					Rs : 5723.100
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Rate Analysis

Sl. No.	Item Of Work.				Unit.
	Add 4% For Municipal Council Areas	1	5723.10	4%	Rs : 228.92
	Add Lead Charges For 40mm Metal	1	0.56	366.33	Rs : 205.14
	Add Lead Charges For 20mm Metal	1	0.22	382.26	Rs : 84.10
	Add Lead Charges For 10 / 12mm Metal	1	0.11	382.26	Rs : 42.05
	Add Lead Charges For Sand	1	0.44	311.40	Rs : 137.02
	Add Lead Charges For Cement	1	0.30	0.00	Rs : 0.00
Net Amount For Ground Floor					6420.330 /Cum

Brick Work

- 5 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete. Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198

	Basic Rate As Per SSR 2022-23				Rs : 6884.00
	Add 4% For Municipal Council Areas	1	6884.00	0.04	Rs : 275.36
	Add Lead Charges For Brick	1	475	1.070	Rs : 508.25
	Add Lead Charges For Sand	1	0.320	311.400	Rs : 99.65
	Add Lead Charges For Cement	1	0.079	0.000	Rs : 0.00
Net Amount For Ground Floor					7767.260 /Cum

Plastering & Pointing


- 6 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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209

	Basic Rate As Per SSR 2022-23				Rs : 639.00
	Add 4% For Municipal Council Areas	1	639.00	0.04	Rs : 25.56
	Add Lead Charges For Sand	1	0.033	311.400	Rs : 10.28
	Add Lead Charges For Cement	1	0.0125	0.000	Rs : 0.00
Net Amount For Ground Floor					674.840 /Sqm

- 7 Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to old plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Spec. No. :As directed by Engineer- incharge. SSR I.No.35.14, Sr.No.1084 P.No.224

	Basic Rate As Per SSR 2022-23				Rs : 78.00
	Add 4% For Municipal Council Areas	1	78.00	0.04	Rs : 3.12
Net Amount For Ground Floor					81.120 /Sqm




**JV STRUCTURAL
 ENGINEERS AND CONSULTANT
 AURANGABAD**

Name of Work :- Construction of Drying yard for Aditya Raj producer Company Ltd at Shahapur
banjar, Tq. Gangapur, Dist. Aurangabad

Testing Charges for Construction Materials

At various following tests for

Materials	Test	Qty.	Unit	Frequency Required	No. of Tests	Rate/Test	Total Amount
Cement	Std. consistency, Fineness, Sp. Gravity, Setting Times, Comp. Strength, Soundness	1098.00	Bags	Per 1000 Bags	1	3770.00	3770.00
Sand	Fineness mod., Moisture content, Bulkage and silt factor	118.13	Cum	per source	1	2175.00	2175.00
Aggregate	Water absorption, specific gravity, Impact value, crushing value, Sieve analysis, Bulk density.	165.51	Cum	Per 100 Cum	2	3140.00	6280.00
Concrete	Mix Design	239.82	Cum	Per Work	1	13755.00	13755.00
Concrete cubes	Comp. strength of cubes,	239.82	Cum	1 - 5 Cum 1 Test 6 - 15 Cum 2 Test 16 - 30 Cum 3 Test 31 - 50 Cum 4 Test 50 & Above 4 Plus	8	690.00	5520.00
Bricks	Water absorption, Comp, Strength, Efflorescence	5054	Nos.	A set of 15 bricks for 50000 consignment or part there of.	1	2175.00	2175.00
Vitrified Tiles	Water absorption, Mod. of Rupture,	0.00	Nos.	6 tiles shall be tested or every test for every 2000 tiles or part there of.	0	0.00	0.00
Steel	Resistance, Thickness of coating, Salt spray, Hardness of coating, Tensile str., % Elongation, Yield str., Wt./m, Proof tests etc.	0.000	M.T.		0	0.00	0.00
Concrete Paving Block	Comp. strength, Water absorption, Flexural test, Resistance to wear	0.00	Sqm		1	2350.00	2350.00
Mortar	Compressive Strength. (Set of 3 Cubes)				1	690.00	690.00
Stone	Crushing value/Comp. strength, water absorption and specific gravity				1	2020.00	2020.00
Murum	Field moisture content, liquid limit and plastic limit sieve analysis			One test for compaction of 1 layer in one km. and every change in source	1	1860.00	1860.00
Wood	density and moisture content				1	0.00	0.00
Flush door	knif test, adhesion test and end immersion test				1	0.00	0.00
Alu. section	thickness, mass per running meter				1	0.00	0.00
P.I. Pipe	wt. per running meter, dia. of pipe and wall thickness of pipe				1	250.00	250.00
						Total Rs.	40845.00



[Signature]
JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Royalty Statment

Name of Work :- Construction of Drying yard for Aditya Raj producer Company Ltd at Shahapur
banjar, Tq. Gangapur, Dist. Aurangabad
Royalty Statment (Drying Yard)


It. No.	Item Of Work.	Unit.	QTY	Sand		SM / HM	
				Cons. Rat	Qty.	Cons. Rat	Qty.
2	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. Spec. No. Bd.A.11 Page 1 Number 263. SSR L.No. 21.37, Sr.No. 751, P.No. 157						
	Ground Floor	Cum	525.900	-	-	1.000	525.900
3	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1						
	Ground Floor	Cum	234.090	0.470	110.020	-	-
4	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR L.No. 24.08, Sr.No. 830, P.176						
	Ground Floor	Cum	5.730	0.440	2.520	-	-
5	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding						
	Ground Floor	Cum	10.640	0.320	3.400	-	-

Royalty Statment

			QTY	Cons. Rate	Qty.	Cons. Rate	Qty.
6	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 1Kilogramper 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						
	Ground Floor	Sqm	66.380	0.033	2.190	-	-
					Total Qty.	118.130	525.900
					Rate of Royalty	237.440	216.240
					Total Royalty Amount	28048.79	113720.62

Total Qty. 644.030
 Total Amount 141769.41




 JV STRUCTURAL
 ENGINEERS AND CONSULTANT
 AURANGABAD

Item of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist.
Abstract Sheet

Item Of Work.	Qty.	Rate	Unit	Amount
<p>Excavation 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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153</p>	8.510	207.00	Cum	1762.00
<p>Ground Floor Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153</p>	4.370	227.00	Cum	992.00
<p>Ground Floor Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157</p>	8.430	802.32	Cum	6764.00
<p>Ground Floor Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157</p>	1.610	2351.02	Cum	3785.00

Item Of Work.	Qty.	Rate	Unit	Amount
<p>Plain Cement Concrete 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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175</p>	1.070	6900.34	Cum	7383.00
<p>Ground Floor Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176</p>	0.660	7386.42	Cum	4875.00
<p>Ground Floor Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11, Sr.No.836 P.No.178</p>	0.970	8115.06	Cum	7872.00
<p>Ground Floor</p>				

Item Of Work.	Qty.	Rate	Unit	Amount
<p>Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179</p>				
Ground Floor	1.300	14794.06	Cum	19232.00
<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 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, compaction and 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number38 Page.No. 38.SSR I.No.25.50, Sr.No.846, P.No.181</p>				
Ground Floor	1.550	13280.06	Cum	20584.00
<p>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.. Spec.No. Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188</p>				
Ground Floor	0.450	89882.59	MT	40447.00
<p>Structural Steel Work Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.01, Sr.No.816, P.No.173</p>				
Ground Floor	0.040	102023.59	M.T	4081.00

Item Of Work.	Qty.	Rate	Unit	Amount
Brick Work Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198	1.490	7452.46	Cum	11104.00
Ground Floor Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As director by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198	6.800	7674.46	Cum	52186.00
Ground Floor Plastering & Pointing Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L.4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209	28.690	287.00	Sqm	8234.00
Ground Floor 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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209	45.420	674.67	Sqm	30644.00
Ground Floor Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete. Spec No.: As directed by Engineer in charge. SSR I.No.32.26, Sr.No.977, P.No.210	6.300	57.00	Rgm	359.00
Ground Floor				

Item Of Work.	Qty.	Rate	Unit	Amount
Paving, Flooring & Dado				
Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) 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 clearing etc. complete. Spec. No. Bd.M.12 Page No. 385. SSR I.No.33.40, Sr.No.1027 P.No.217	9.000	1196.02	Sqm	10764.00
Ground Floor				
Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete Spec. No. Bd.M.12 Page 1 No. 385. SSR I.No.33.41, Sr.No.1028 P.No.217	1.020	1273.47	Sqm	1299.00
Ground Floor				
Providing and laying ceramic tiles having size 30 cm. x 45 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.. Spec. No. : Bd.M.13 Page 1 No. 386.SSR I.No.33.26, Sr.No.1013 P.No.215	2.760	1297.02	Sqm	3580.00
Ground Floor				
Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.. Spec. No. :Bd. M-12 page 1 No. 385.SSR Item I.No.33.67, Sr.No.1051, P. No. 220	1.730	1219.02	Sqm	2109.00
Ground Floor				
Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec No.:As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214	1.850	1593.92	Sqm	2949.00
Ground Floor				

Item Of Work.	Qty.	Rate	Unit	Amount
<p>Providing and fixing green marble of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc. complete. Spec. No. As directed by Engineer-In- Charge. SSR I.No.33.48, Sr.No.1035 P.No.218</p>	2.760	2390.09	Sqm	6597.00
Ground Floor				
<p>Oil Painting Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.. Spec. No. : As directed by Engineer in charge. SSR I.No.35.21, Sr.No.1090 P.No.225</p>	28.690	36.00	Sqm	1033.00
Ground Floor				
<p>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.) etc. complete.Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227</p>	28.690	48.00	Sqm	1377.00
Ground Floor				
<p>Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.SSR I.No.35.15, Sr.No.1085, P.No.224 (SSR 2021-22 GREEN BUILDING)</p>	45.420	104.00	Sqm	4724.00
Ground Floor				
<p>Doors & Windows Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete.Spec. Nos. BD-T-34 Page Nos. 499. SSR I.Nos.39.10, Sr.Nos.1203 P.Nos.246</p>	1.930	2913.00	Sqm	5622.00
Ground Floor				
<p>Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259</p>	0.540	3467.00	Sqm	1872.00
Ground Floor				

Item Of Work.	Qty.	Rate	Unit	Amount
Providing and fixing fiber glass reinforced polyster door shutter 30 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete Spec. No. : As directed by Engineer in charge. SSR I.No.39.58, Sr.No.1254 P.No.257				
Ground Floor	1.680	3274.00	Sqm	5500.00
Water Supply & Sanitary Fittings				
Providing and fixing C.P. 2 Way BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge. SSR I.No.48.27, Sr.No.1644, P.No.314 (SSR 2021-22 GREEN BUILDING) (Jaquar / Equivalent make Confirming Green Bldg Certificate)				
Ground Floor	1.000	2399.00	No	2399.00
Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. Spec. No.: Bd.V. 8 Page No. 554..SSR I.No.41.40, Sr.No.1334, P.No.270				
Ground Floor	1.000	671.00	No	671.00
Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap. Spec. No. : Bd.V. 38 Page No. 531. SSR I.No.42.02, Sr.No.1373 P.No.374				
Ground Floor	1.000	1715.19	No	1715.00
Providing , constructing and fixing 250 mm dia. Inspection chamber made up of UPVC material of thickness 3.5 mm and height of 259 mm with inlet and outlet of 110 mm dia. with 75 mm dia. U Trap, Ultra shaft pipe of Upvc material having height of 470 mm and fixing Ultra 250 mm dia. UPVC cover and frame in 150 mm thick in c.c.1:2:4, having crushed sand bed of 100 mm thick of size 550 mm dia. Including excavation and refilling the sides of chamber by crushed sand cushioning 150 mm thickness, connecting all required UPVC fittings with rubber lubricant etc. complete.. Spec. Nos. : As Directected By Engineer Incharge. SSR I.Nos.43.27, Sr.Nos.1498, P.Nos.290				
Ground Floor	1.000	4085.00	No	4085.00
Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete. Spec. No. : As directed by Engineer in charge. SSR I.No.42.31, Sr.No.1402, P.No.277				
Ground Floor	1.000	299.00	No	299.00


Item Of Work.	Qty.	Rate	Unit	Amount
Providing and fixing 15 mm. dia Ball cock medium type with PVC float including sockets and necessary fittings and tested as per municipal requirement etc. complete. Spec No.:As directed by Engineer in charge. SSR I.No.42.37, Sr.No.1408, P.No.277	1.000	487.00	No	487.00
Ground Floor				
Providing and fixing Orissa Pan of size 580x445x260 mm with approved make flush valve including trap, C.I. soil and vent pipe upto outside face of wall including 100mm dia. C.I. plug, bend and necessary pipe connection, etc complete. As directed by Engineer in charge.. Spec No. As directed by Engineer in charge. SSR I.No.48.38, Sr.No.1654, P.No.315 (SSR 2019-20 GREEN BUILDING) (Jaquar / Equivalent make Confirming Green Bldg Certificate)	1.000	7254.48	No	7254.00
Ground Floor				
Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete.Spec. Nos.: As directed by Engineer in charge.SSR I.Nos.42.52, Sr.Nos.1452, P.Nos.279	3.000	788.00	Rgm	2364.00
Ground Floor				
Providing , laying and fixing jointing Eco- drain 110 mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.. Spec. No.: As directed by Engineer in charge.SSR I.No.43.30, Sr.No.1501, P.No.291	3.000	327.00	Rgm	981.00
Ground Floor				
Providing and fixing H.D.P container one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 litersSpec. No. As directed by Engineer in charge. SSR I.No.42.53, Sr.No.1424, P.No.280	500.00	14.00	Liter	7000.00
Ground Floor				
Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete..Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.55, Sr.No.1426, P.No.280	3.000	266.00	Rgm	798.00
Ground Floor				

Item Of Work.	Qty.	Rate	Unit	Amount
Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.56, Sr.No.1427, P.No.280	3.000	310.00	Rgm	930.00
Ground Floor				
Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.57, Sr.No.1428, P.No.280	3.000	375.00	Rgm	1125.00
Ground Floor				
Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend,connectingpiece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete (Prior approval of sample and brand by Ex. Engr. is necessary before use) Spec. No. BD.V 32 A page 551 and as directed by Engineer in charge. SSR I.No.43.18, Sr.No.1489 P.No.288	1.000	582.03	No	582.00
Ground Floor				
Providing and laying in trenches 15 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete... Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.61, Sr.Nos.1432, P.Nos.280	3.000	273.00	Rgm	819.00
Ground Floor				
Providing and laying in trenches 20 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.62, Sr.Nos.1433, P.Nos.281	3.000	311.00	Rgm	933.00
Ground Floor				
Providing and laying in trenches 25 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.63, Sr.Nos.1434, P.Nos.281	3.000	423.00	Rgm	1269.00
Ground Floor				

Item Of Work.	Qty.	Rate	Unit	Amount
6 Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome conforming to I.S.-4985 including making joints with solvent cement etc. complete Spec No.:As directed by Engineer in charge. SSR I.No.43.25, Sr.No.1496, P.No.290				
Ground Floor	1.000	169.00	No	169.00
7 Providing and fixing Glass self 125 mm wide and 600 mm long with necessary chromium plated brackets providing T.W.gutties etc. complete Spec. No.: As directed by Engineer in charge .SSR I.No.43.26, Sr.No.1497, P.No.290				
Ground Floor	1.000	423.00	No	423.00
8 Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.). Spec. Nos. As directed by Engineer in charge. SSR I.Nos.38.04, Sr.Nos.1144, P.Nos.233				
Ground Floor	14.670	870.00	No	12763.00
			Total (A) =	314796.00
9 Royalty Charges-as per statement attached				
For Sand	8.130	237.37	Cum	1930.00
For Hard Murum	8.430	216.18	Cum	1822.00
			Total (B) =	3752.00
Quality Control Charges Items.				
1) Basic Test of Cement				
Carrying out basic tests on cement for standard consistancy, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1 P.No.426				
Ground Floor	1.000	3770.00	/ Test	3770.00
4) Basic Test of Concrete				
Carrying out basic tests on Concrete cubes for compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.19 P.No.426				
Ground Floor	1.000	690.00	/ Test	690.00

Item Of Work.	Qty.	Rate	Unit	Amount
5) Basic Test of Bricks Carrying out basic tests on Bricks for water absorptio, Efflorescence, compressive strength.Spec.No.As directed by Engineer in Charge.SSR I.No.13 P.No.426				
Ground Floor -	1.000	2175.00	/ Test	2175.00
			Total (C) =	6635.00
Total Rs (A) + (B) + (C) :=				325183.0




 JV STRUCTURAL
 ENGINEERS AND CONSULTANT
 AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Measurement Sheet

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
1	1. Excavation 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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153						
	Ground Floor						
	Total Footings (4 Nos.)						
	Group no.1	4	1.350	1.350	0.900	6.560	
	External Ground Beams						
	1-2	1	2.560	0.430	0.300	0.330	
	3-4	1	2.560	0.430	0.300	0.330	
	Parallel to 3-4	1	1.650	0.430	0.300	0.210	
	1-3	1	2.860	0.430	0.300	0.370	
	2-4	1	2.860	0.430	0.300	0.370	
	Perpendicular to 3-4	1	1.280	0.430	0.300	0.170	
	At 4	1	1.280	0.430	0.300	0.170	
	Net Qty. For Ground Floor					8.510	Cum
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153						
	Ground Floor						
	Total Footings (4 Nos.)						
	Group no.1	4	1.35	1.350	0.600	4.370	
	Net Qty. For Ground Floor					4.370	Cum
3	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157						
	Ground Floor						
	Total Footings (4 Nos.)						
	Group no.1	4	1.35	1.350	1.500	10.940	
	Total Excavation Qty. (A) =					10.940	Cum
	Deduction						
	Qty as per It.no.2 (Hard Murum)	1	4.37	-	1.000	4.370	
	Qty as per - 1:2:4 PCC Below Footing	1	0.660	1.000	1.000	0.660	
	Qty as per - M-20 RCC footing	1	0.970	1.000	1.000	0.970	
	Qty as per - 20 RCC Col. upto GL	1	0.270	1.000	1.000	0.270	
	Total Deduction Qty. (B) =					6.270	Cum

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
						Total Filling Required (A)-(B) =	4.670 Cum
	Under flooring						
	Ht = 0.6 - 0.1 - 0.15 = 0.35 m.						
	Office	1	3.000	3.000	0.350	3.150	
	Toilet	1	1.650	1.050	0.350	0.610	
	Net Qty. For Ground Floor					8.430	Cum
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157						
	Ground Floor						
	Below Flooring						
	Office	1	3.000	3.000	0.150	1.350	
	Toilet	1	1.650	1.050	0.150	0.260	
	Net Qty. For Ground Floor					1.610	Cum
	3. Plain Cement Concrete						
5	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175						
	Ground Floor						
	Below Flooring						
	Office	1	3.000	3.000	0.100	0.900	
	Toilet	1	1.650	1.050	0.100	0.170	
	Net Qty. For Ground Floor					1.070	Cum
6	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepc. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176						
	Ground Floor						
	Total Footings (4 Nos.)						
	Group no.1	4	1.050	1.050	0.150	0.660	
	Net Qty. For Ground Floor					0.660	Cum

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Reinforcement Cement Concrete						
7	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11. Sr.No.836 P.No.178						
	Ground Floor						
	Total Footings (4 Nos.)						
	First Step						
	Group no.1	4	0.900	0.900	0.300	0.970	
	Net Qty. For Ground Floor					0.970	Cum
8	Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179						
	Ground Floor						
	Column upto GL						
	Group no.1	4	0.300	0.300	0.750	0.270	
	Column GL to FFL Ht = 0.6 m.						
	Group no.1	4	0.300	0.300	0.600	0.220	
	Column FFL to steel column btm Ht = 2.25 m.						
	Group no.1	4	0.300	0.300	2.250	0.810	
	Net Qty. For Ground Floor					1.300	Cum
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 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, compaction and 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number38 Page.No. 38.SSR I.No.25.50, Sr.No.846, P.No.181						
	Ground Floor						
	External Plinth beam total 14 Nos						
	B1- (230 X 450) 7 NOS						
	1-2	1	2.560	0.230	0.450	0.260	
	3-4	1	2.560	0.230	0.450	0.260	
	Parallel to 3-4	1	1.650	0.230	0.450	0.170	

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
1-3		1	2.860	0.230	0.450	0.300	
2-4		1	2.860	0.230	0.450	0.300	
	Perpendicular to 3-4	1	1.280	0.230	0.450	0.130	
	At 4	1	1.280	0.230	0.450	0.130	

Net Qty. For Ground Floor

1.550 Cum

- 10 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, parris, 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.. Spec.No Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188

Ground Floor

Qty. As Per Item. No.7 M20 Footing

0.97 25.00 KgCum 24.25

Qty. As Per Item. No.8 M20 Column

1.300 150.00 KgCum 195.00

Qty. As Per Item. No.9 M20 Beams

1.550 150.00 KgCum 232.50

Total Qty. = 451.75 Kg.

Net Qty. For Ground Floor

0.450 M.T.

2. Structural Steel Work

- 11 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.01, Sr.No.816, P.No.173

Terrace Floor

Box 72x72x4 @ 8.22kg/m

4 1.300 - 8.220 42.744

Total Qty

42.74 Kg

Net Qty. For Terrace Floor

0.040 M.T.

Brick Work

- 12 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899. P.No.198

Ground Floor

External plinth beam (Plinth Ht = 0.6 - 0.1 - 0.15 = 0.35 m.)

1-2 1 2.560 0.230 0.350 0.210

3-4 1 2.560 0.230 0.350 0.210

Parallel to 3-4 1 1.650 0.230 0.350 0.130

1-3 1 2.860 0.230 0.350 0.230

2-4 1 2.860 0.230 0.350 0.230

Perpendicular to 3-4 1 1.280 0.230 0.350 0.100

At 4 1 1.280 0.230 0.350 0.100

Entrance Steps

1 1.230 0.300 0.150 0.060

1 1.230 0.300 0.300 0.110

1 0.600 0.300 0.450 0.080

1 0.150 0.300 0.600 0.030

Net Qty. For Ground Floor

1.490 Cum

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
13	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As director by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198						
	Ground Floor						
	230mm Thick Brick Wall						
	Avr Ht = (2.1+2.39) = 2.25m						
	1-2	1	2.560	0.230	2.250	1.325	
	3-4	1	2.560	0.230	2.250	1.325	
	Parallel to 3-4	1	1.650	0.230	2.250	0.854	
	1-3	1	2.860	0.230	2.250	1.480	
	2-4	1	2.860	0.230	2.250	1.480	
	Perpendicular to 3-4	1	1.280	0.230	2.250	0.662	
	At 4	1	1.280	0.230	2.250	0.662	
	Deduction						
	D1	-1	1.000	0.230	2.100	-0.480	
	D2	-1	0.800	0.230	2.100	-0.390	
	V1	-1	0.600	0.230	0.900	-0.120	
	Net Qty. For Ground Floor					6.800	Cum
	Plastering & Pointing						
14	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L.4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209						
	Ground Floor						
	Internal walls Ht = 2.25 - 0.13 - 0.13 = 1.99 m.						
	Office	2	3.000	-	1.990	11.940	
		2	3.000	-	1.990	11.940	
	Toilet	2	1.650	-	1.990	6.570	
		2	1.050	-	1.990	4.180	
	Deduction						
	D1	-1	1.000	-	2.100	-2.100	
	D2	-1	0.800	-	2.100	-1.680	
	V1	-1	0.600	-	0.900	-0.540	
	Deduction qty 1/2 X 4.32 = 2.16	1	4.320	0.500	-	2.160	
	Deduct Dado Qty Vitrified Skirting	-1	1.020	-	1.000	-1.020	
	Deduct Dado Qty Ceramic Dado	-1	2.760	-	1.000	-2.760	
	Net Qty. For Ground Floor					28.690	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
15	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 1Kilogramper 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 tining out grains and curing for fourteen days scaffolding etc.complete. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11. Sr.No.963, P.No.209						
	Ground Floor						
	External walls (Ht = 0.6 + 2.25 = 2.85 m.)						
	Front & Back Side	2	4.740	-	2.850	27.020	
	Left & Right Side	2	3.460	-	2.850	19.720	
	Deductions						
	D1	-1	1.00	-	2.10	-2.100	
	V1	-1	0.60	-	0.90	-0.540	
	Deduction qty 1/2 X 2.64 = 1.32	1	2.640	0.500	-	1.320	
	Net Qty. For Ground Floor					45.420	Sqm
16	Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete.Spec No.: As directed by Engineer in charge. SSR I.No.32.26, Sr.No.970, P.No.202						
	Ground Floor						
	For Columns	4	2.25	0.350	-	3.150	
		4	2.25	0.350	-	3.150	
	Net Qty. For Ground Floor					6.300	Rgm
	Paving, Flooring & Dado						
17	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) 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 clearing etc. complete. Spec. No. Bd.M.12 Page No. 385. SSR I.No.33.40, Sr.No.1027 P.No.217						
	Ground Floor						
	Office	1	3.00	3.000	-	9.000	
	Net Qty. For Ground Floor					9.000	Sqm
18	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete Spec. No. Bd.M.12 Page 1 No. 385. SSR I.No.33.41. Sr.No.1028 P.No.217						
	Ground Floor						
	Office	2	3.000	0.100	-	0.600	
		2	3.000	0.100	-	0.600	

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
	Deduction						
	D1	-1	1.000	0.100	-	-0.100	
	D2	-1	0.800	0.100	-	-0.080	
Net Qty. For Ground Floor						1.020	Sqm
19	Providing and laying ceramic tiles having size 30 cm. x 45 cm. conforming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.. Spec. No. : Bd.M.13 Page 1 No. 386.SSR I.No.33.26, Sr.No.1013 P.No.215						
Ground Floor							
	Toilet	2	1.650	-	0.600	1.980	
		2	1.050	-	0.600	1.260	
	Deduction						
	D2	-1	0.800	-	0.600	-0.480	
Net Qty. For Ground Floor						2.760	Sqm
20	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and conforming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.. Spec. No. :Bd. M-12 page 1 No. 385.SSR Item I.No.33.67, Sr.No.1051, P. No. 220						
Ground Floor							
	Toilet	1	1.65	1.050	-	1.730	
Net Qty. For Ground Floor						1.730	Sqm
21	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec No.:As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214						
Ground Floor							
	Entrance Steps						
	Tread	3	1.23	0.30	-	1.110	
	Riser	4	1.23	0.15	-	0.740	
Net Qty. For Ground Floor						1.850	Sqm
22	Providing and fixing green marble of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc. complete. Spec. No. As directed by Engineer-In- Charge. SSR I.No.33.48, Sr.No.1035 P.No.218						
Ground Floor							
	Door Frame						
	D1 = (10 X 2.10) (1 Nos)	2	1.000	0.230	-	0.460	
		2	2.100	0.230	-	0.966	
	D2 = (0.80 X 2.10) (1 Nos)	2	0.800	0.230	-	0.368	
		2	2.100	0.230	-	0.966	
Net Qty. For Ground Floor						2.760	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
23	Oil Painting Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.. Spec. No. : As directed by Engineer in charge. SSR I.No.35.21, Sr.No.1090 P.No.225						
	Ground Floor						
	Qty. As Per Item No. 24 (Oil-Bound Distemper)	1	28.69	1.000	-	28.690	
Net Qty. For Ground Floor						28.690	Sqm
24	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.) etc. complete.Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227						
	Ground Floor						
	Qty. As Per Item No. 14 (12mm Plaster)	1	28.69	1.000	-	28.690	
Net Qty. For Ground Floor						28.690	Sqm
25	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.SSR I.No.35.15, Sr.No.1085, P.No.224 (SSR 2021-22 GREEN BUILDING)						
	Ground Floor						
	Qty. As Per Item No. 15 (Sand Face Plaster)	1	45.42	1.000	-	45.420	
Net Qty. For Ground Floor						45.420	Sqm
Doors & Windows							
26	Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete.Spec. Nos. BD-T-34 Page Nos. 499. SSR I.Nos.39.10, Sr.Nos.1203 P.Nos.246						
	Ground Floor						
	D1 = (1.0 X 2.10) (1 Nos)	1	0.92	-	2.100	1.930	
Net Qty. For Ground Floor						1.930	Sqm
27	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259						
	Ground Floor						
	V1 = (0.60 X 0.90) (1 Nos)	1	0.60	-	0.900	0.540	
Net Qty. For Ground Floor						0.540	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
28	Providing and fixing fiber glass reinforced polyster door shutter 30 mm thick as per IS 14856 (2000); (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete Spec. No. : As directed by Engineer in charge. SSR I.No.39.58, Sr.No.1254 P.No.257						
	Ground Floor						
	D2 = (0.80 X 2.10) (1 Nos)	1	0.80	-	2.100	1.680	
	Net Qty. For Ground Floor					1.680	Sqm
29	Providing and fixing C.P. 2 Way BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge. SSR I.No.48.27, Sr.No.1644, P.No.314 (SSR 2021-22 GREEN BUILDING) (Jaquar / Equivalent make Confirming Green Bldg Certificate)						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
30	Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. Spec. No.: Bd.V. 8 Page No. 554. SSR I.No.41.40, Sr.No.1334, P.No.270						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
31	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap. Spec. No. : Bd.V. 38 Page No. 531. SSR I.No.42.02, Sr.No.1373 P.No.374						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
32	Providing , constructing and fixing 250 mm dia. Inspection chamber made up of UPVC material of thickness 3.5 mm and height of 259 mm with inlet and outlet of 110 mm dia. with 75 mm dia. U Trap, Ultra shaft pipe of Upvc material having height of 470 mm and fixing Ultra 250 mm dia. UPVC cover and frame in 150 mm thick in c.e.1:2:4, having crushed sand bed of 100 mm thick of size 550 mm dia. Including excavation and refilling the sides of chamber by crushed sand cushioning 150 mm thickness, connecting all required						
	Ground Floor						
		1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
33	Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete. Spec. No. : As directed by Engineer in charge. SSR I.No.42.31, Sr.No.1402, P.No.277						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
34	Providing and fixing 15 mm. dia Ball cock medium type with PVC float including sockets and necessary fittings and tested as per municipal requirement etc. complete. Spec No.:As directed by Engineer in charge. SSR I.No.42.37, Sr.No.1408, P.No.277						
	Ground Floor	1	1.00	1.000	-	1.000	
Net Qty. For Ground Floor						1.000	Nos
35	Providing and fixing Orissa Pan of size 580x445x260 mm with approved make flush valve including trap, C.I. soil and vent pipe upto outside face of wall including 100mm dia. C.I. plug, bend and necessary pipe connection, etc complete. As directed by Engineer in charge.. Spec No. As directed by Engineer in charge. SSR I.No.48.38, Sr.No.1654, P.No.315 (SSR 2019-20 GREEN BUILDING) (Jaquar / Equivalent make						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
Net Qty. For Ground Floor						1.000	Nos
36	Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete.Spec. Nos.: As directed by Engineer in charge.SSR I.Nos.42.52, Sr.Nos.1452, P.Nos.279						
	Ground Floor	1	3.00	1.000	-	3.000	
Net Qty. For Ground Floor						3.000	Rgm
37	Providing , laying and fixing jointing Eco- drain 110 mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.. Spec. No.: As directed by Engineer in charge.SSR I.No.43.30, Sr.No.1501, P.No.291						
	Ground Floor	1	3.00	1.000	-	3.000	
Net Qty. For Ground Floor						3.000	Rgm
38	Providing and fixing H.D.P container one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet, overflow pipe inclusive of all tanks capacity between 200 to 1000 litersSpec. No. As directed by Engineer in charge. SSR I.No.42.53, Sr.No.1424, P.No.280						
	Ground Floor						
	Syntex Water Tank	1	500.00	1.000	-	500.00	
Net Qty. For Ground Floor						500.00	/Liter

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
39	Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good: the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.55, Sr.No.1426, P.No.280						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm
40	Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good: the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.56, Sr.No.1427, P.No.280						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm
41	Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good: the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.57, Sr.No.1428, P.No.280						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm
42	Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend,connectingpiece of UPVC: pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete (Prior approval of sample and brand by Ex. Engr. is necessary before use) Spec. No. BD.V 32 A page 551 and as directed by Engineer in charge. SSR I.No.43.18, Sr.No.1489 P.No.288						
	Ground Floor Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
43	Providing and laying in trenches 15 mm dai. CPVC pipe including necessary excavation, fittings. Refilling: trenches etc. complete Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete... Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.61, Sr.Nos.1432, P.Nos.280						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
44	Providing and laying in trenches 20 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.62, Sr.Nos.1433, P.Nos.281						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm
45	Providing and laying in trenches 25 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.63, Sr.Nos.1434, P.Nos.281						
	Ground Floor	1	3.00	1.000	-	3.000	
	Net Qty. For Ground Floor					3.000	Rgm
46	Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome conforming to I.S.-4985 including making joints with solvent cement etc. complete Spec No.:As directed by Engineer in charge. SSR I.No.43.25, Sr.No.1496, P.No.290						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
47	Providing and fixing Glass self 125 mm wide and 600 mm long with necessary chromium plated brackets providing T.W.gutties etc. complete Spec. No.: As directed by Engineer in charge .SSR I.No.43.26, Sr.No.1497, P.No.290						
	Ground Floor						
	Attach Toilet	1	1.00	1.000	-	1.000	
	Net Qty. For Ground Floor					1.000	Nos
48	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.). Spec. Nos. As directed by Engineer in charge. SSR I.Nos.38.04, Sr.Nos.1144, P.Nos.233						
	Ground Floor						
	G.I Sheet at Roof	1	3.460	-	4.740	16.400	
	Deduction						
	Back Portion	-1	1.350	1.280	-	-1.730	
	Net Qty. For Ground Floor					14.670	Sqm

Item No.	Item Of Work.	Nos.	Length.	Breadth.	Height.	Quantity.	Unit.
49	Royalty Charges-as per statement attached						
	For Sand	1	8.13	1.000	-	8.130	
	For Hard Murum	1	8.43	1.000	-	8.430	
Net Total Qty.						16.560	Cum

Quality Control Charges Items.

1) Basic Test of Cement

50 Carrying out basic tests on cement for standard consistency, Fineness, Specific gravity, Setting time (Initial and Final), Compressive strength, Soundness. Spec. No. As directed by Engineer in Charge. SSR I.No.1

		1	-	-	-	1	
Net Qty. For Ground Floor						1	Test

4) Basic Test of Concrete

51 Carrying out basic tests on Concrete cubes for compressive strength. Spec.No.As directed by Engineer in Charge.SSR I.No.20 P.No.387

		1	-	-	-	1	
Net Qty. For Ground Floor						1	Test

5) Basic Test of Bricks

52 Carrying out basic tests on Bricks for water absorptio, Efflorescence, compressive strength. Spec.No.As directed by Engineer in Charge.SSR I.No.14 P.No.386.

		1	-	-	-	1	
Net Qty. For Ground Floor						1	Test



[Signature]
**JV STRUCTURAL
 ENGINEERS AND CONSULTANT
 AURANGABAD**

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad
Rate Analysis

S.No.	Item Of Work.	Unit.
Excavation		
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 and 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. Bd.A.1 Page 1 Number 259. SSR I.No. 21.02, Sr.No.721, P.No.153	
	Basic Rate As Per SSR 2022-23	Rs : 207.00
	Net Amount For Ground Floor	207.000 /Cum
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 etc. complete. (Lift upto 1.50 m) By Mechanical Means Spec.No.: Bd.A.2 Page 1 Number 259 SSR I.No.21.06, Sr.No.725 P.No.153	
	Basic Rate As Per SSR 2022-23	Rs : 227.00
	Net Amount For Ground Floor	227.000 /Cum
3	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.. Spec. No. Bd.A.11 Page 1 Number 263. SSR I.No. 21.37, Sr.No. 751, P.No. 157	
	Basic Rate As Per SSR 2022-23	Rs : 599.00
	Add Lead Charges For Hard Murum 1 1.00 203.32	Rs : 203.32
	Net Amount For Ground Floor	802.320 /Cum
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.. Spec. No. As directed by Engineer in charge. SSR I.No. 21.40, Sr.No. 754, P.No. 157	
	Basic Rate As Per SSR 2022-23	Rs : 1454.00
	Add Lead Charges For Metal 1 1.00 745.07	Rs : 745.07
	Add Lead Charges For Sand 1 0.15 1013.02	Rs : 151.95
	Net Amount For Ground Floor	2351.020 /Cum
Plain Cement Concrete		
5	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 micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) Spec. No. Bd.E.1 Page 1 No. 287.SSR I.No.24.01, Sr.No.827, P.No.175	
	Basic Rate As Per SSR 2022-23	Rs : 5830.00
	Add Lead Charges For 40mm Metal 1 0.70 583.64	Rs : 408.55
	Add Lead Charges For 20mm Metal 1 0.24 609.02	Rs : 146.16
	Add Lead Charges For Sand 1 0.47 1013.02	Rs : 476.12
	Add Lead Charges For Cement 1 0.22 179.59	Rs : 39.51

Sl. No.	Item Of Work.	Unit.
6	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), 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 (Crushed sand VSI Grade) Sepe. No. Bd.E.4 Page Number 289 and B7, Page Number38. SSR I.No. 24.08, Sr.No. 830, P.176	
	Basic Rate As Per SSR 2022-23	Rs : 6359.00
	Add Lead Charges For 40mm Metal 1 0.56 583.64	Rs : 326.84
	Add Lead Charges For 20mm Metal 1 0.22 609.02	Rs : 133.98
	Add Lead Charges For 10 / 12mm Metal 1 0.11 609.02	Rs : 66.99
	Add Lead Charges For Sand 1 0.44 1013.02	Rs : 445.73
	Add Lead Charges For Cement 1 0.30 179.59	Rs : 53.88
	Net Amount For Ground Floor	7386.420 /Cum
Reinforcement Cement Concrete		
7	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. 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 (Crushed sand VSI Grade) Spec. No.Bd.F.3 Page 1 No. 298 and B.7, Page No.38. SSR I.No.25.11, Sr.No.836 P.No.178	
	Basic Rate As Per SSR 2022-23	Rs : 7104.00
	Add Lead Charges For 20mm Metal 1 0.570 609.02	Rs : 347.14
	Add Lead Charges For 10 / 12mm Metal 1 0.280 609.02	Rs : 170.53
	Add Lead Charges For Sand 1 0.425 1013.02	Rs : 430.53
	Add Lead Charges For Cement 1 0.350 179.59	Rs : 62.86
	Net Amount For Ground Floor	8115.060 /Cum
8	Providing and 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 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 (Crushed sand VSI Grade) Spec. No. : Bd.F.5 Page No. 300 and B.7, Page.No. 38.SSR I.No.25.31, Sr.No.841, P.No.179	
	Basic Rate As Per SSR 2022-23	Rs : 13783.00
	Add Lead Charges For 20mm Metal 1 0.570 609.02	Rs : 347.14
	Add Lead Charges For 10 / 12mm Metal 1 0.280 609.02	Rs : 170.53
	Add Lead Charges For Sand 1 0.425 1013.02	Rs : 430.53
	Add Lead Charges For Cement 1 0.350 179.59	Rs : 62.86
	Net Amount For Ground Floor	14794.060 /Cum

No.	Item Of Work.	Unit.
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- 9 Providing and laying Cast in situ/Ready Mix cement concrete M-20 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, compaction and 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 (Crushed sand VSI Grade) Spec. No. :Bd.F.6 Page Number 300 and B.7, Page 1 Number 38 Page.No. 38.SSR I.No.25.50, Sr.No.846, P.No.181

Basic Rate As Per SSR 2022-23				Rs :	12269.00
Add Lead Charges For 20mm Metal	1	0.570	609.02	Rs :	347.14
Add Lead Charges For 10 / 12mm Metal	1	0.280	609.02	Rs :	170.53
Add Lead Charges For Sand	1	0.425	1013.02	Rs :	430.53
Add Lead Charges For Cement	1	0.350	179.59	Rs :	62.86
Net Amount For Ground Floor					13280.060 /Cum

- 10 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, 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.. Spec.No. Bd.F.17, Page 1 No. 306. SSR I.No.26.33, Sr.No.871, P.No.188

Basic Rate As Per SSR 2022-23				Rs :	89703.00
Add Lead Charges For Steel	1	1.00	179.59	Rs :	179.59
Net Amount For Ground Floor					89882.590 /M.T.

Structural Steel Work

- 11 Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.. Spec. No. Bd.C.2 Page 1 Number 275 SSR I.No.23.01, Sr.No.816, P.No.173

Basic Rate As Per SSR 2022-23				Rs :	101844.00
Add Lead Charges For Steel	1	1.00	179.59	Rs :	179.59
Net Amount For Ground Floor					Rs : 102023.590 /M.T.

Brick Work

- 12 Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete..Spec. No. As director by engineer in charge and BDG- 2 and 5. SSR I.No.27.12, Sr.No.899 P.No.198

Basic Rate As Per SSR 2022-23				Rs :	6884.00
Add Lead Charges For Brick	1	0.475	484.430	Rs :	230.10
Add Lead Charges For Sand	1	0.320	1013.020	Rs :	324.17
Add Lead Charges For Cement	1	0.079	179.590	Rs :	14.19
Net Amount For Ground Floor					7452.460 /Cum

R. No.	Item Of Work.	Unit.
13	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. Spec. No. As directed by engineer incharge and BDG- 2 and 5. SSR I.No.27.13, Sr.No.900 P.No.198	
	Basic Rate As Per SSR 2022-23	Rs : 7106.00
	Add Lead Charges For Brick	1 0.475 484.430 Rs : 230.10
	Add Lead Charges For Sand	1 0.320 1013.020 Rs : 324.17
	Add Lead Charges For Cement	1 0.079 179.590 Rs : 14.19
	Net Amount For Ground Floor	7674.460 /Cum
Plastering & Pointing		
14	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete Spec. No. : Bd.L.4 Page 1 No. 368. SSR I.No.32.03, Sr.No.957, P.No.209	
	Basic Rate As Per SSR 2022-23	Rs : 271.00
	Add Lead Charges For Sand	1 0.015 1013.020 Rs : 15.20
	Add Lead Charges For Cement	1 0.00450 179.590 Rs : 0.81
	Net Amount For Ground Floor	287.000 /Sqm
15	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 1Kilogramper 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. Spec. No. : Bd.L.7 Page 1 No. 369. SSR I.No.32.11, Sr.No.963, P.No.209	
	Basic Rate As Per SSR 2022-23	Rs : 639.00
	Add Lead Charges For Sand	1 0.033 1013.020 Rs : 33.43
	Add Lead Charges For Cement	1 0.0125 179.590 Rs : 2.24
	Net Amount For Ground Floor	674.670 /Sqm
16	Providing and fixing chicken mesh of 22 gauge, with about 30 cm. width at the junction of R.C.C members and brick work, of approved quality including fixing mesh in position by necessary drilling in concrete /B.B.masonry and or tying by binding wire etc. complete. Spec No.: As directed by Engineer in charge. SSR I.No.32.26, Sr.No.977, P.No.210	
	Basic Rate As Per SSR 2022-23	Rs : 57.00
	Net Amount For Ground Floor	57.000 /Rgm
Paving, Flooring & Dado		
17	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and conforming to IS. 15622-2006 (group Bla) 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 clearing etc. complete. Spec. No. Bd.M.12 Page No. 385. SSR I.No.33.40, Sr.No.1027 P.No.217	
	Basic Rate As Per SSR 2022-23	Rs : 1177.00
	Add Lead Charges For Sand	1 0.017 1013.020 Rs : 17.22
	Add Lead Charges For Cement	1 0.010 179.590 Rs : 1.80
	Net Amount For Ground Floor	1196.020 /Sqm

Sl. No.	Item Of Work.	Unit.
18	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and conforming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for dado and skirting in required position fixed in 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete Spec. No. Bd.M.12 Page 1 No. 385. SSR I.No.33.41, Sr.No.1028 P.No.217	
	Basic Rate As Per SSR 2022-23	Rs : 1252.00
	Add Lead Charges For Sand 1 0.020 1013.020	Rs : 20.26
	Add Lead Charges For Cement 1 0.00675 179.590	Rs : 1.21
	Net Amount For Ground Floor	1273.470 /Sqm
19	Providing and laying ceramic tiles having size 30 cm. x 45 cm. conforming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.. Spec. No. : Bd.M.13 Page 1 No. 386.SSR I.No.33.26, Sr.No.1013 P.No.215	
	Basic Rate As Per SSR 2022-23	Rs : 1278.00
	Add Lead Charges For Sand 1 0.017 1013.020	Rs : 17.22
	Add Lead Charges For Cement 1 0.010 179.590	Rs : 1.80
	Net Amount For Ground Floor	1297.020 /Sqm
20	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and conforming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.. Spec. No. :Bd. M-12 page 1 No. 385.SSR Item I.No.33.67, Sr.No.1051, P. No. 220	
	Basic Rate As Per SSR 2022-23	Rs : 1200.00
	Add Lead Charges For Sand 1 0.017 1013.020	Rs : 17.22
	Add Lead Charges For Cement 1 0.010 179.590	Rs : 1.80
	Net Amount For Ground Floor	1219.020 /Sqm
21	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.. Spec No.:As directed by Engineer in charge. SSR I.No.33.18, Sr.No.1005, P.214	
	Basic Rate As Per SSR 2022-23	Rs : 1572.00
	Add Lead Charges For Sand 1 0.020 1013.020	Rs : 20.26
	Add Lead Charges For Cement 1 0.00925 179.590	Rs : 1.66
	Net Amount For Ground Floor	1593.920 /Sqm
22	Providing and fixing green marble of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc. complete. Spec. No. As directed by Engineer-In- Charge. SSR I.No.33.48, Sr.No.1035 P.No.218	
	Basic Rate As Per SSR 2022-23	Rs : 2367.00
	Add Lead Charges For Sand 1 0.022 1013.020	Rs : 22.29
	Add Lead Charges For Cement 1 0.0045 179.590	Rs : 0.81
	Net Amount For Ground Floor	2390.090 /Sqm


Sl. No.	Item Of Work.	Unit.
Oil Painting		
23	Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.. Spec. No. : As directed by Engineer in charge. SSR I.No.35.21, Sr.No.1090 P.No.225	
	Basic Rate As Per SSR 2022-23	Rs : 36.00
	Net Amount For Ground Floor	36.000 /Sqm
Doors & Windows		
24	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.) etc. complete.Spec. No. : Bd.P.5 Page No. 413. SSR I.No.36.11, Sr.No.1106 P.No.227	
	Basic Rate As Per SSR 2022-23	Rs : 48.00
	Net Amount For Ground Floor	48.000 /Sqm
25	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.SSR I.No.35.15, Sr.No.1085, P.No.224 (SSR 2021-22 GREEN BUILDING)	
	Basic Rate As Per SSR 2022-23	Rs : 104.00
	Net Amount For Ground Floor	104.000 /Sqm
26	Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete.Spec. Nos. BD-T-34 Page Nos. 499. SSR I.Nos.39.10, Sr.Nos.1203 P.Nos.246	
	Basic Rate As Per SSR 2022-23	Rs : 2913.00
	Net Amount For Ground Floor	2913.000 /Sqm
27	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..Spec. No. : As directed by Engineer in charge. SSR I.No.39.68, Sr.No.1263 P.No.259	
	Basic Rate As Per SSR 2022-23	Rs : 3467.00
	Net Amount For Ground Floor	3467.000 /Sqm
28	Providing and fixing fiber glass reinforced polyster door shutter 30 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete Spec. No. : As directed by Engineer in charge. SSR I.No.39.58, Sr.No.1254 P.No.257	
	Basic Rate As Per SSR 2022-23	Rs : 3274.00
	Net Amount For Ground Floor	3274.000 /Sqm
Water Supply & Sanitary Fittings		
29	Providing and fixing C.P. 2 Way BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge. SSR I.No.48.27, Sr.No.1644, P.No.314 (SSR 2021-22 GREEN BUILDING) (Jaquar / Equivalent make Confirming Green Bldg	
	Basic Rate As Per SSR 2022-23	Rs : 2399.00
	Net Amount For Ground Floor	2399.00 /Nos

R.No.	Item Of Work.	Unit.
30	Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. Spec. No.: Bd.V. 8 Page No. 554..SSR I.No.41.40, Sr.No.1334, P.No.270	
	Basic Rate As Per SSR 2022-23	Rs : 671.00
	Net Amount For Ground Floor	671.00 /Nos
31	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap. Spec. No. : Bd.V. 38 Page No. 531. SSR I.No.42.02, Sr.No.1373 P.No.374	
	Basic Rate As Per SSR 2022-23	Rs : 1600.00
	Add Lead Charges For Metal 1 0.050 583.64	Rs : 29.18
	Add Lead Charges For Bricks 1 0.052 0.480	Rs : 0.02
	Add Lead Charges For Sand 1 0.080 1013.02	Rs : 81.04
	Add Lead Charges For Cement 1 0.0275 179.59	Rs : 4.94
	Net Amount For Ground Floor	1715.190 /Nos
32	Providing , constructing and fixing 250 mm dia. Inspection chamber made up of UPVC material of thickness 3.5 mm and height of 259 mm with inlet and outlet of 110 mm dia. with 75 mm dia. U Trap, Ultra shaft pipe of Upvc material having height of 470 mm and fixing Ultra 250 mm dia. UPVC cover and frame in 150 mm thick in c.e.1:2:4, having crushed sand bed of 100 mm thick of size 550 mm dia. Including excavation and refilling the sides of chamber by crushed sand cushioning 150 mm thickness, connecting all required UPVC fittings with rubber lubricant etc. complete.. Spec. Nos. : As Directed By Engineer Incharge. SSR I.Nos.43.27, Sr.Nos.1498, P.Nos.290	
	Basic Rate As Per SSR 2022-23	Rs : 4085.00
	Add Lead Charges For Cement 1 0.0000 179.59	Rs : 0.00
	Net Amount For Ground Floor	4085.000 /Nos
33	Providing and fixing chromium plated towel rod 16 mm dia and 75 cm. in length including all accessories complete. Spec. No. : As directed by Engineer in charge. SSR I.No.42.31, Sr.No.1402, P.No.277	
	Basic Rate As Per SSR 2022-23	Rs : 299.00
	Net Amount For Ground Floor	299.000 /Nos
34	Providing and fixing 15 mm. dia Ball cock medium type with PVC float including sockets and necessary fittings and tested as per municipal requirement etc. complete. Spec No.:As directed by Engineer in charge. SSR I.No.42.37, Sr.No.1408, P.No.277	
	Basic Rate As Per SSR 2022-23	Rs : 487.00
	Net Amount For Ground Floor	487.00 /Nos
35	Providing and fixing Orissa Pan of size 580x445x260 mm with approved make flush valve including trap, C.I. soil and vent pipe upto outside face of wall including 100mm dia. C.I. plug, bend and necessary pipe connection, etc complete. As directed by Engineer in charge.. Spec No. As directed by Engineer in charge. SSR I.No.48.38, Sr.No.1654, P.No.315 (SSR 2019-20 GREEN BUILDING) (Jaquar / Equivalent make Confirming Green Bldg Certificate)	
	Basic Rate As Per SSR 2022-23	Rs : 7234.00
	Add Lead Charges For Sand 1 0.018 1013.02	Rs : 18.23
	Add Lead Charges For Cement 1 0.0125 179.59	Rs : 2.24
	Net Amount For Ground Floor	7254.480 /Nos

No.	Item Of Work.	Unit.
36	Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete. Spec. Nos.: As directed by Engineer in charge. SSR I.Nos.42.52, Sr.Nos.1452, P.Nos.279	
	Basic Rate As Per SSR 2022-23	Rs : 788.00
	Net Amount For Ground Floor	788.000 /Rgm
37	Providing , laying and fixing jointing Eco- drain 110 mm SN 8 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.. Spec. No.: As directed by Engineer in charge.SSR I.No.43.30, Sr.No.1501, P.No.291	
	Basic Rate As Per SSR 2022-23	Rs : 327.00
	Net Amount For Ground Floor	327.000 /Rgm
38	Providing and fixing H.D.P container one piece moulded water tank made out of high density polythylar and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet,outlet overflow pipe inclusive of all tanks capacity between 200 to 1000 liters Spec. No. As directed by Engineer in charge. SSR I.No.42.53, Sr.No.1424, P.No.280	
	Basic Rate As Per SSR 2022-23	Rs : 14.00
	Net Amount For Ground Floor	14.000 /Liter
39	Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.55, Sr.No.1426, P.No.280	
	Basic Rate As Per SSR 2022-23	Rs : 266.00
	Net Amount For Ground Floor	266.000 /Rgm
40	Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.56, Sr.No.1427, P.No.280	
	Basic Rate As Per SSR 2022-23	Rs : 310.00
	Net Amount For Ground Floor	310.000 /Rgm
41	Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. Spec.No.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.No.42.57, Sr.No.1428, P.No.280	
	Basic Rate As Per SSR 2022-23	Rs : 375.00
	Net Amount For Ground Floor	375.000 /Rgm
42	Providing and fixing 15 cm rigid PVC Nahani trap including PVC grating ,bend,connectingpiece of UPVC pipe up to the outside face of wall ,making the good damaged surface and testing etc. complete (Prior approval of sample and brand by Ex. Engr. is necessary before use) Spec. No. BD.V 32 A page 551 and as directed by Engineer in charge. SSR I.No.43.18, Sr.No.1489 P.No.288	
	Basic Rate As Per SSR 2022-23	Rs : 571.00
	Add Lead Charges For Sand 1 0.010 1013.02	Rs : 10.13
	Add Lead Charges For Cement 1 0.0050 179.59	Rs : 0.90
	Net Amount For Ground Floor	582.030 /Nos

Sl. No.	Item Of Work.	Unit.
43	Providing and laying in trenches 15 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete... Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.61, Sr.Nos.1432, P.Nos.280	
	Basic Rate As Per SSR 2022-23	Rs : 273.00
	Net Amount For Ground Floor	273.000 /Rgm
44	Providing and laying in trenches 20 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.62, Sr.Nos.1433, P.Nos.281	
	Basic Rate As Per SSR 2022-23	Rs : 311.00
	Net Amount For Ground Floor	311.000 /Rgm
45	Providing and laying in trenches 25 mm dai. CPVC pipe including necessary excavation, fittings. Refilling trenches etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.. Spec. Nos.: BD.V 5 page 551 and as directed by Engineer in charge. SSR I.Nos.42.63, Sr.Nos.1434, P.Nos.281	
	Basic Rate As Per SSR 2022-23	Rs : 423.00
	Net Amount For Ground Floor	423.000 /Rgm
46	Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome confirming to I.S.-4985 including making joints with solvent cement etc. complete Spec No.:As directed by Engineer in charge. SSR I.No.43.25, Sr.No.1496, P.No.290	
	Basic Rate As Per SSR 2022-23	Rs : 169.00
	Net Amount For Ground Floor	169.000 /Nos
47	Providing and fixing Glass self 125 mm wide and 600 mm long with necessary chromium plated brackets providing T.W.gutties etc. complete Spec. No.: As directed by Engineer in charge .SSR I.No.43.26, Sr.No.1497, P.No.290	
	Basic Rate As Per SSR 2022-23	Rs : 423.00
	Net Amount For Ground Floor	423.000 /Nos
48	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.). Spec. Nos. As directed by Engineer in charge. SSR I.Nos.38.04, Sr.Nos.1144, P.Nos.233	
	Basic Rate As Per SSR 2022-23	Rs : 870.00
	Net Amount For First Floor	870.000 /Sqm




JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

Royalty Statement

It. No.	Item Of Work.	Unit.	QTY	Sand		SM / HM	
				Cons. Rat	Qty.	Cons. Rat	Qty.
3	Filling in plinth and floors with contractors material/ brought from SSR I.No. 21.37, Sr.No.744, P.No.152						
	Ground Floor	Cum	8.430	-	-	1.000	8.430
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, SSR I.No. 21.40, Sr.No. 747, P.No.152						
	Ground Floor	Cum	1.610	0.150	0.240	-	-
5	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for SSR I.No.24.01, Sr.No.820, P.No.169						
	Ground Floor	Cum	1.070	0.470	0.500	-	-
6	Providing and laying Cast in situ/Ready Mix cement concrete in M15 of trap/ granite/quartzite/gneiss metal for bed SSR I.No. 24.08, Sr.No. 823, P.169						
	Ground Floor	Cum	0.660	0.440	0.290	-	-
7	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, SSR I.No.25.11, Sr.No.829 P.No.172						
	Ground Floor	Cum	0.970	0.425	0.410	-	-
8	Providing and 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 SSR I.No.25.31, Sr.No.834, P.No.173						
	Ground Floor	Cum	1.300	0.425	0.550	-	-
9	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per SSR I.No.25.50, Sr.No.839, P.No.175						
	Ground Floor	Cum	1.550	0.425	0.660	-	-
12	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth SSR I.No.27.12, Sr.No.892 P.No.190						
	Ground Floor	Cum	1.490	0.320	0.480	-	-

			QTY	Cons. Rat	Qty.	Cons. Rate	Qty.
13	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including SSR I.No.27.13, Sr.No.893 P.No.190						
	Ground Floor	Cum	6.800	0.320	2.180	-	-
14	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick SSR I.No.32.03, Sr.No.950, P.No.201						
	Ground Floor	Sqm	28.690	0.015	0.430	-	-
14	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick SSR I.No.32.03, Sr.No.950, P.No.201						
	Ground Floor	Sqm	28.690	0.015	0.430	-	-
15	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base SSR I.No.32.11, Sr.No.956 P.No.201						
	Ground Floor	Sqm	45.420	0.033	1.500	-	-
Paving, Flooring & Dado							
17	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and SSR I.No.33.42, Sr.No.1022 P.No.209						
	Ground Floor	Sqm	9.000	0.017	0.150	-	-
18	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and SSR I.No.33.43, Sr.No.1023 P.No.209						
	Ground Floor	Sqm	1.020	0.020	0.020	-	-
19	Providing and laying ceramic tiles having size 30 cm. x 45 cm. conforming to corresponding I.S. for dado and skirting SSR I.No.33.26, Sr.No.1006 P.No.207						
	Ground Floor	Sqm	2.760	0.017	0.050	-	-
20	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and conforming to IS 15622-2006 SSR I.No.33.67, Sr.No.1044, P.No. 212						
	Ground Floor	Sqm	1.730	0.017	0.030	-	-

			QTY	Cons. Rat	Qty.	Cons. Rat	Qty.
21	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm thick for treads and risers of steps and staircases, with SSR I.No.33.18, Sr.No.998, P.207						
	Ground Floor	Sqm	1.850	0.020	0.040	-	-
Doors & Windows							
22	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window SSR I.No.33.68, Sr.No.1045 P.No.212						
	Ground Floor	Sqm	2.760	0.022	0.060	-	-
Water Supply & Sanitary Fittings							
31	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, SSR I.No.42.02, Sr.No.1367 P.No.263						
	Ground Floor	No	1.000	0.080	0.080	-	-
35	Providing and fixing Orissa Pan of size 580x445x260 mm with approved make flush valve including trap, C.I. soil and vent pipe upto outside face of wall SSR I.No.48.38, Sr.No.1629, P.No.301						
	Ground Floor	No	1.000	0.018	0.020	-	-
42	Providing and fixing 10 cm PVC nahani trap with grating etc. complete. SSR I.No.42.67, Sr.No.1432 P.No.270						
	Ground Floor	No	1.000	0.010	0.010	-	-
					Total Qty.	8.130	8.430
					Rate of Royalty	237.370	216.180
					Total Royalty Amount	1929.82	1822.40

Total Qty. 16.560
Total Amount 3752.22




[Signature]
JV STRUCTURAL
ENGINEERS AND CONSULTANT
AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

LEAD CHART

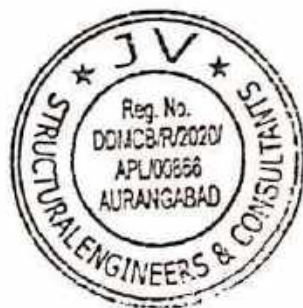
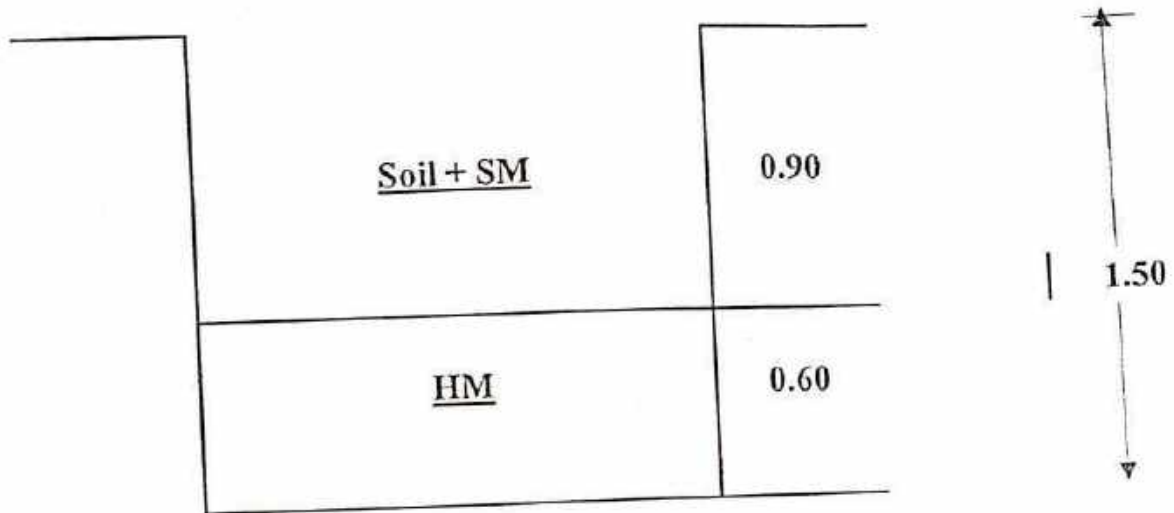
Sr.No.	Material	Total Lead in km	Pay Load Factor	Rate per Trip	Net Lead Charges/Trip	Remarks
1	Stone/Rubble	29.00	4.70	3501.850	745.07	Bhadji
2	60 mm & 40 mm metal	29.00	6.00	3501.850	583.64	Bhadji
3	Metal Below 40 mm	29.00	5.75	3501.850	609.02	Bhadji
4	Fly Ash Bricks	4.00	3.105	1504.140 1 brick	0.480 484.430	Local
5	Sand	61.00	5.75	5824.860	1013.02	Paithan Godavari River
6	Murum	2.00	6.00	1219.900	203.32	Local
7	Cement	6.00	10.00	1795.930	179.59	Aurangabad
8	Steel	6.00	10.00	1795.930	179.59	Aurangabad





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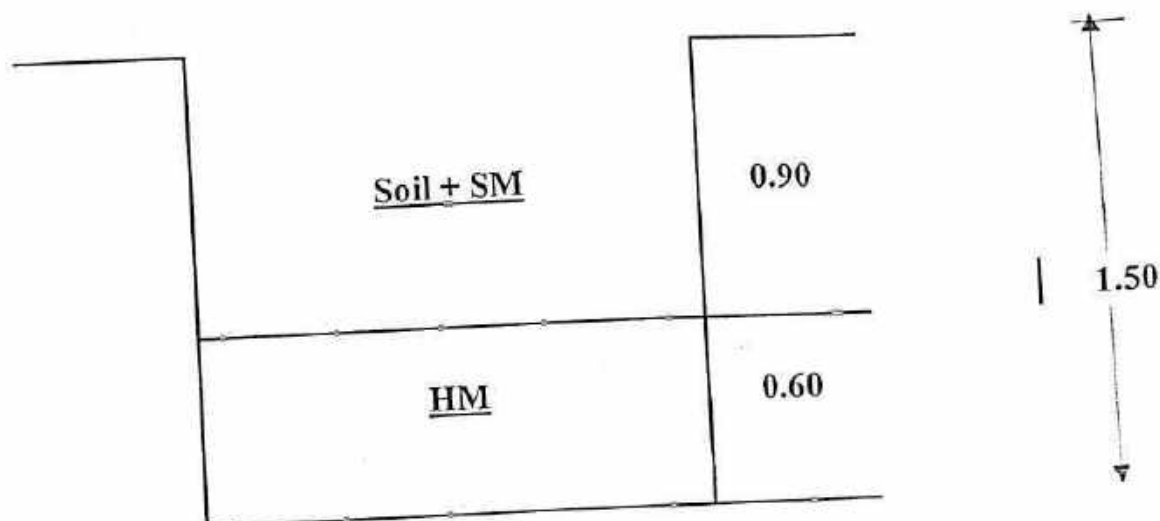
TRIAL PIT FOR FOUNDATION





JV STRUCTURAL
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AURANGABAD

Name of Work :- Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

TRIAL PIT FOR FOUNDATION




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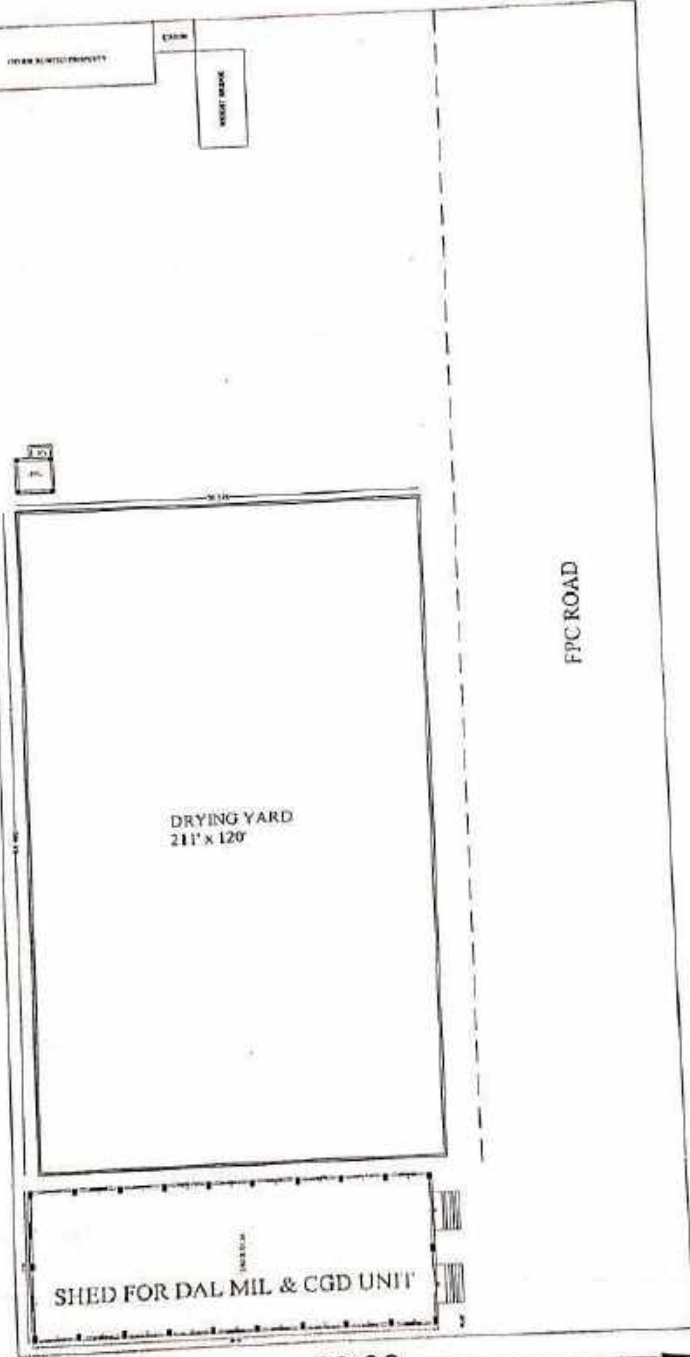
WEST

LASUR TO DEVGAON ROAD



SOUTH

129.00



FPC ROAD

NORTH

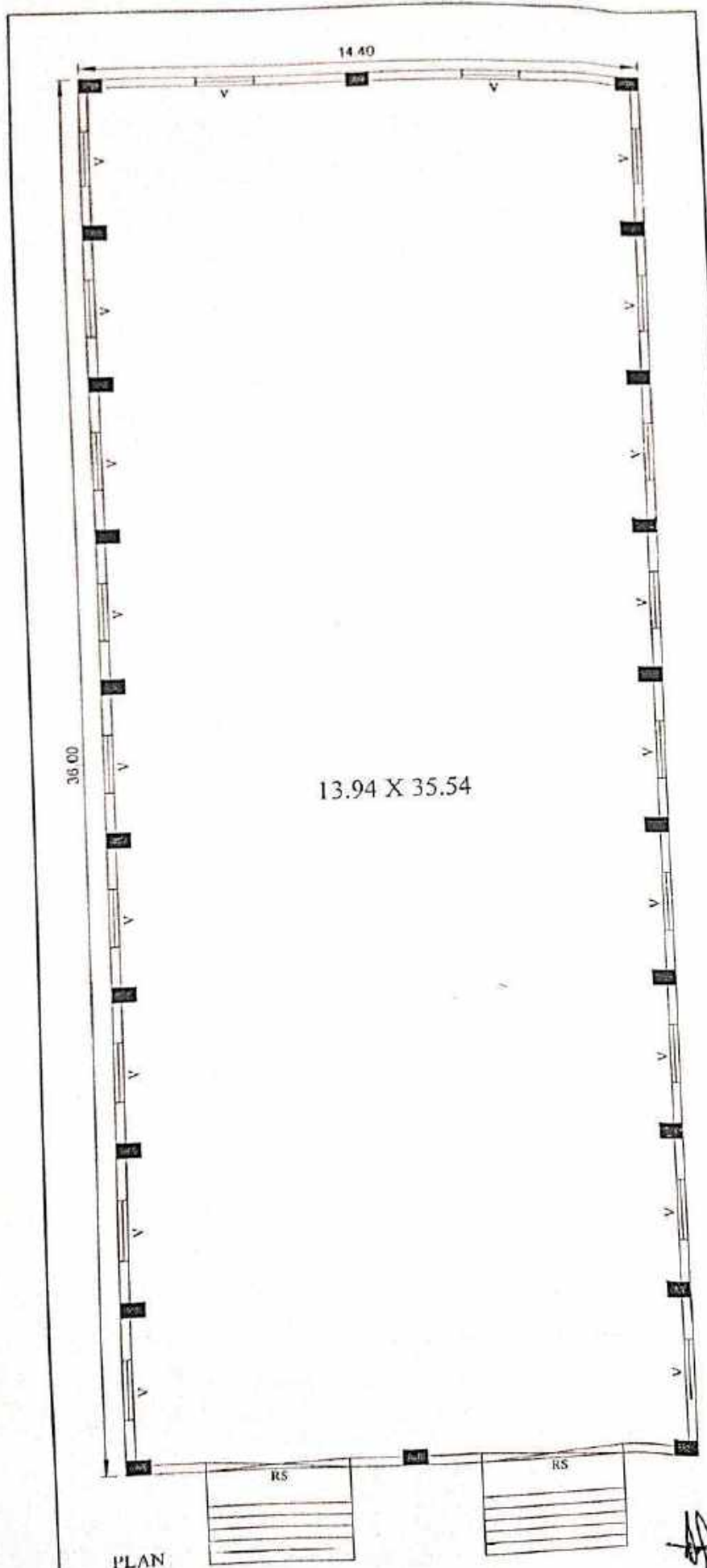
60.00

EAST

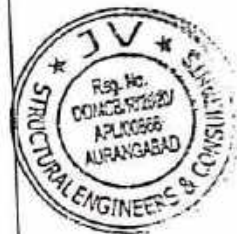
LAYOUT PLAN

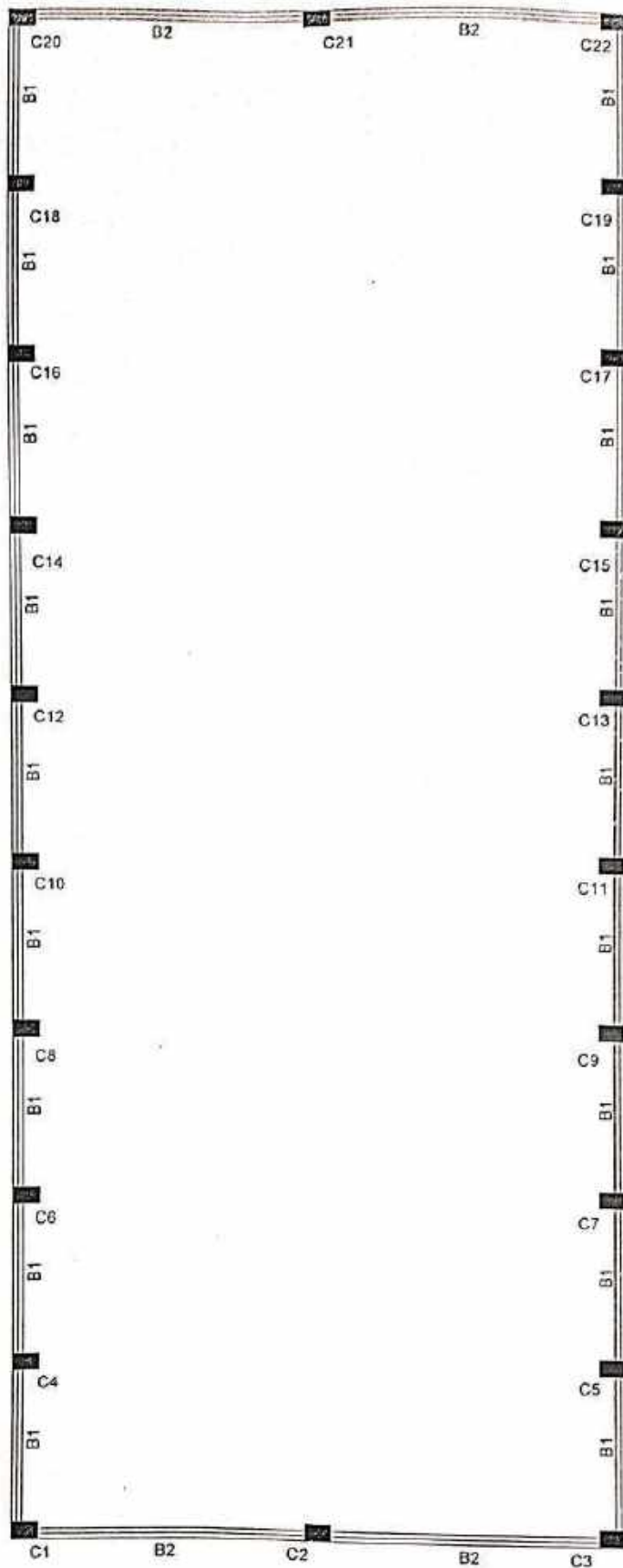
Construction of Cleaning/Grading/Sorting/Chill mill/Cards Food manufacturing unit (not for A.D.) & Raj (Food) company Ltd at Shahapur bazar, Tq. Changanacherry, Dist. Aara, Bihar

J.V. Sankar Engineers & Consultants
Practising Engineer
Reg. No. 2004/2021A
K.P. 100/2004
K.P. 100/2004



PLAN





GROUND LEVEL RCC PLAN



GROUND LEVEL RCC PLAN

Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Food manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

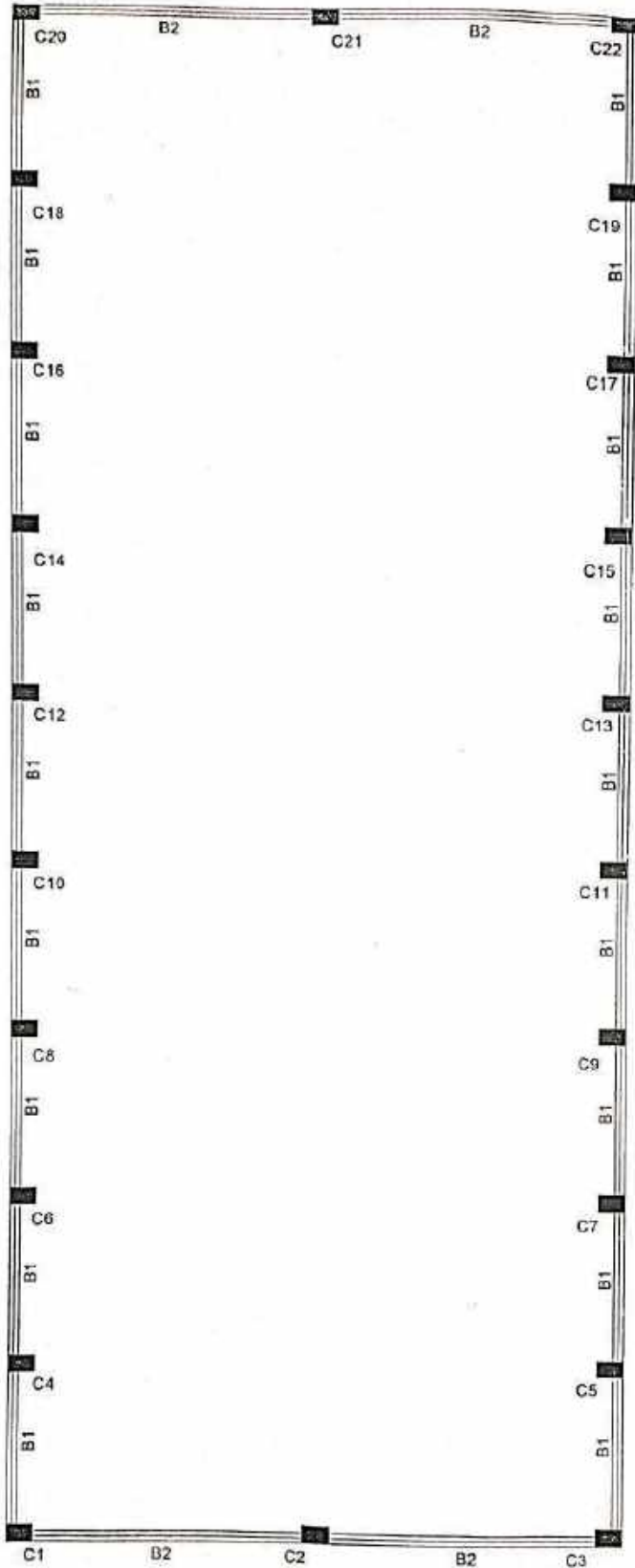
BEAMS AT GL/PL LEVEL

B1	- 230 X 530
B2	- 230 X 750



JV Structural Engineers & Consultants

OFFICE - Plot 211P, Opp. Paldar College, Hussain Nagar, Bandh By Pass Aurangabad, Dist. Aurangabad, Maharashtra - 432002, India. Email: jv@jvse.com



LINTEL LEVEL RCC PLAN



LINTEL LEVEL RCC PLAN

Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Feed manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

BEAMS AT LINTEL LEVEL

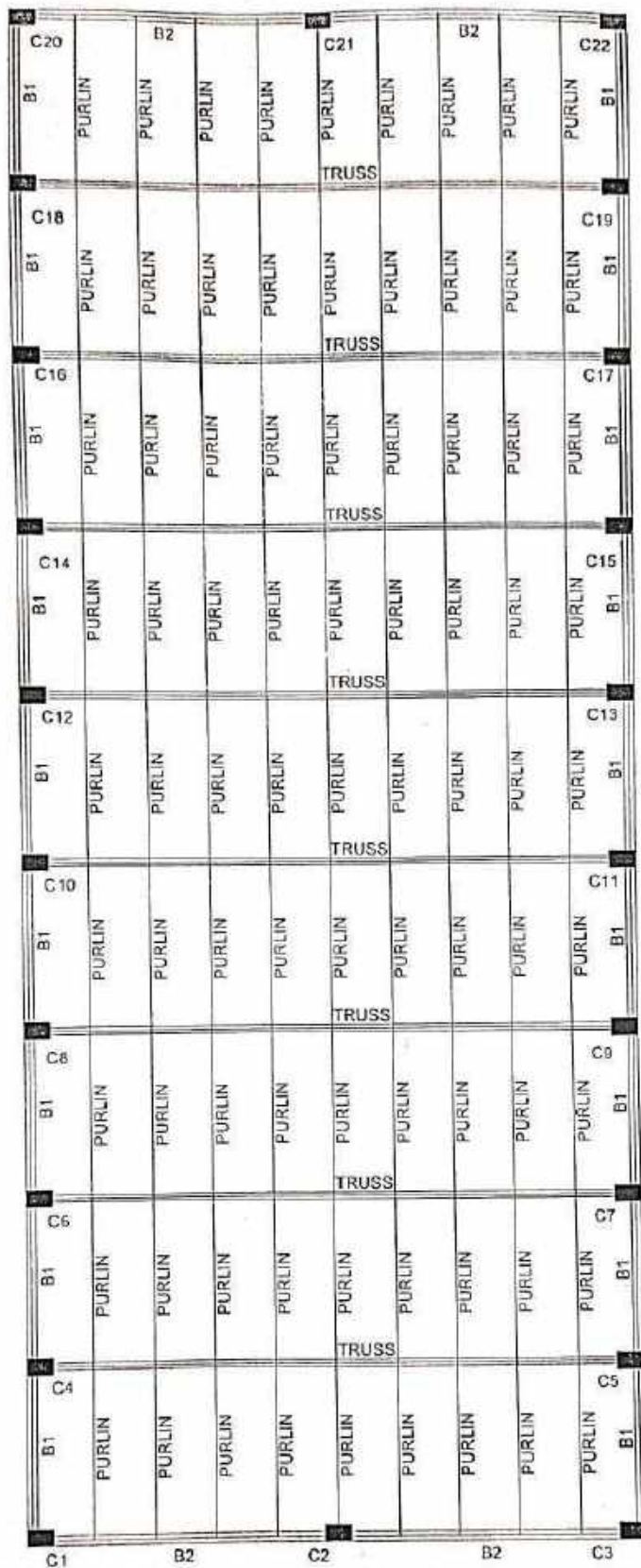
B1	- 230 X 530
B2	- 230 X 750



J.V. Structural Engineers & Consultants

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REGISTRATION NO. CONCE/R/2023/APLD0968 AS A STRUCTURAL ENGINEER'S REG. NO. CE-178 OF DIST. AURANGABAD



TRUSS BOTTOM PLAN



TRUSS BOTTOM PLAN

Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Feed manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gaagapur, Dist. Aurangabad

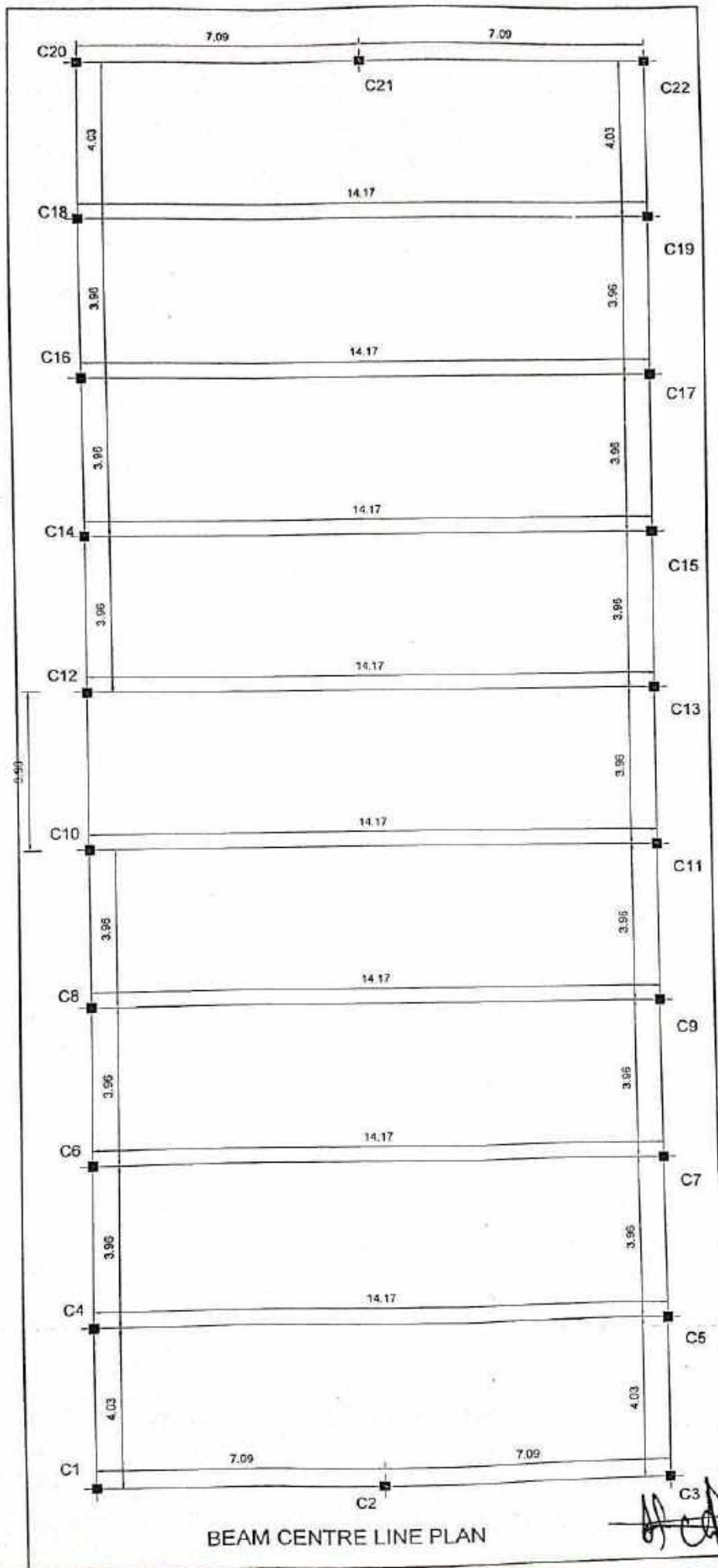
BEAMS AT GL/PL LEVEL

B1	- 230 X 530
B2	- 230 X 750



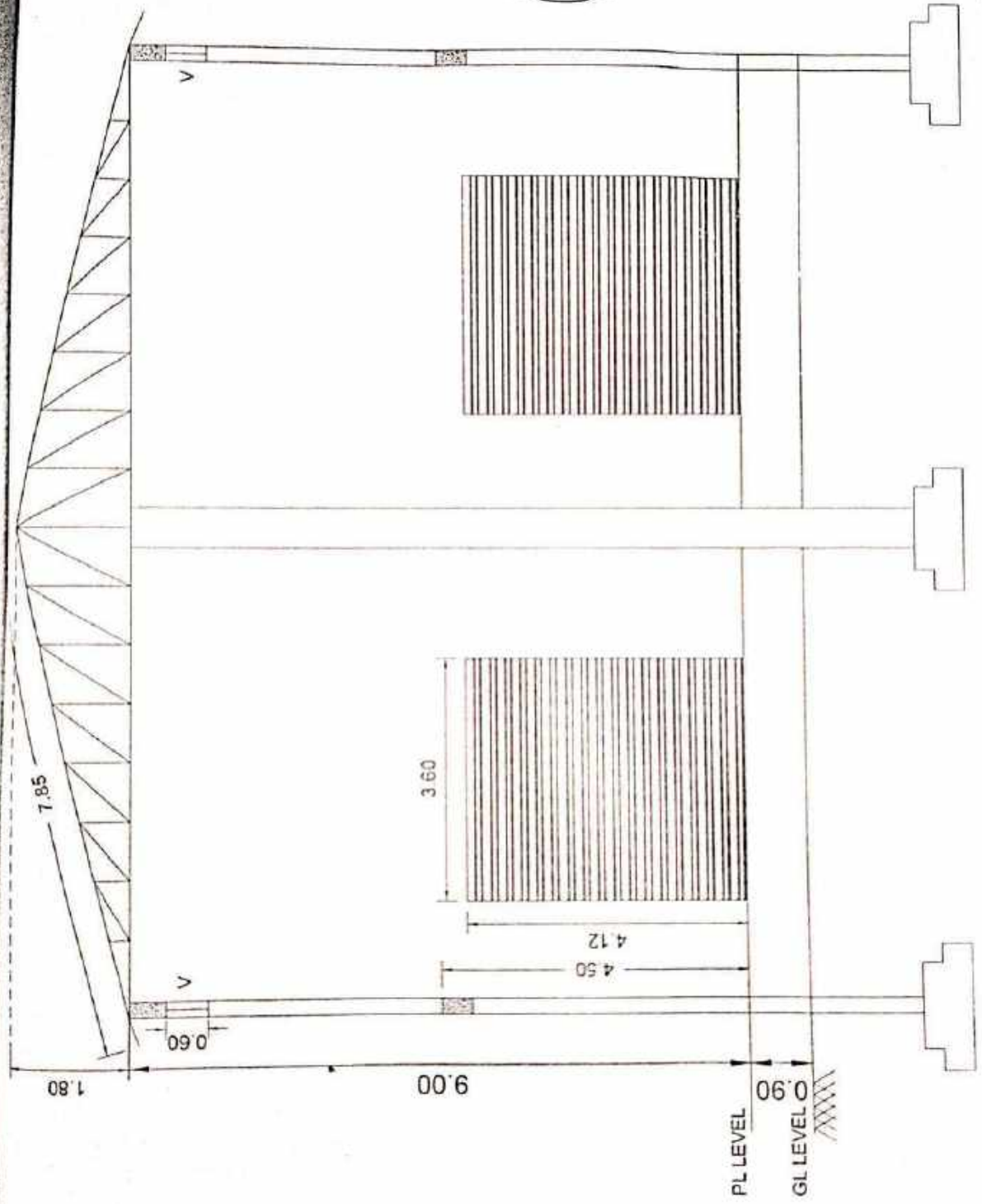
J.V. Structural Engineers & Consultants

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 Branch - Plot 1, D. D. B. Chowk, Aurangabad.
 Phone: 02062155555, 02062155556
 Email: jvstructural@rediffmail.com
 AND ANCE LICENSED BY THE BOARD OF ARCHITECTURAL



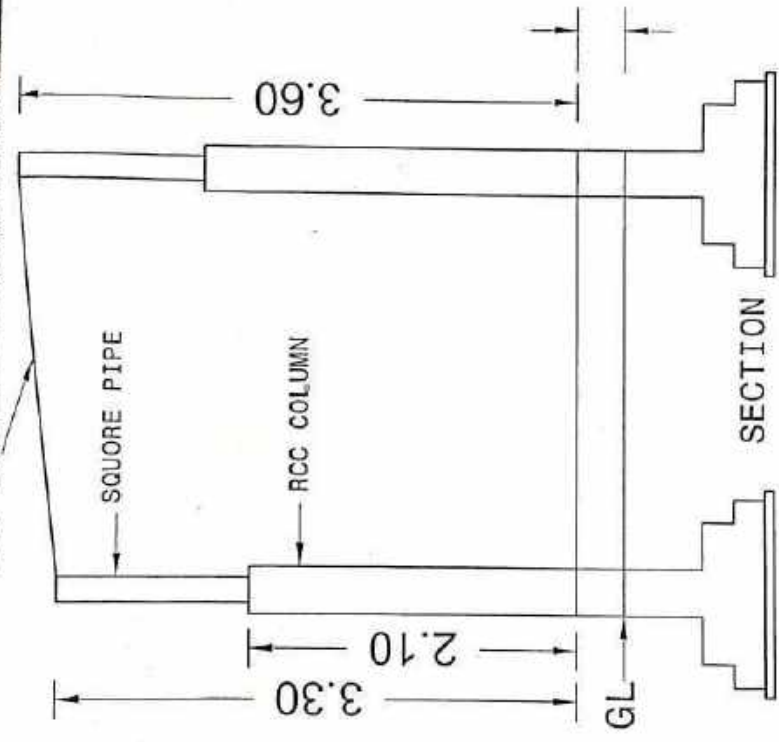
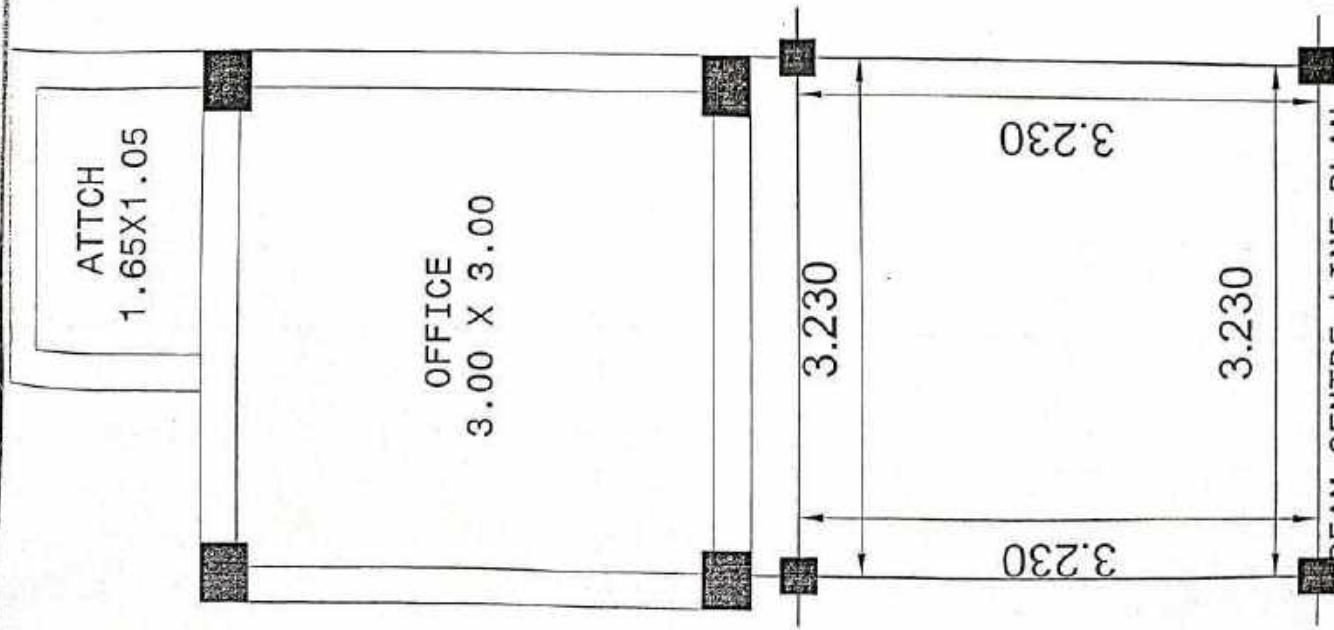


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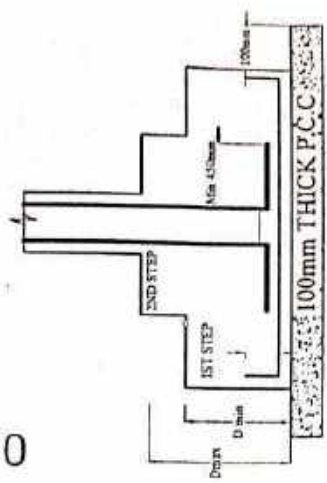


KEY PLAN

G. I. SHEET



0.60



SECTION

SCHEDULE OF COLUMNS

COLUMN NUMBERS	SIZE
C1, C2, C3, C4	300 X 300

SCHEDULE OF BOX FOOTINGS

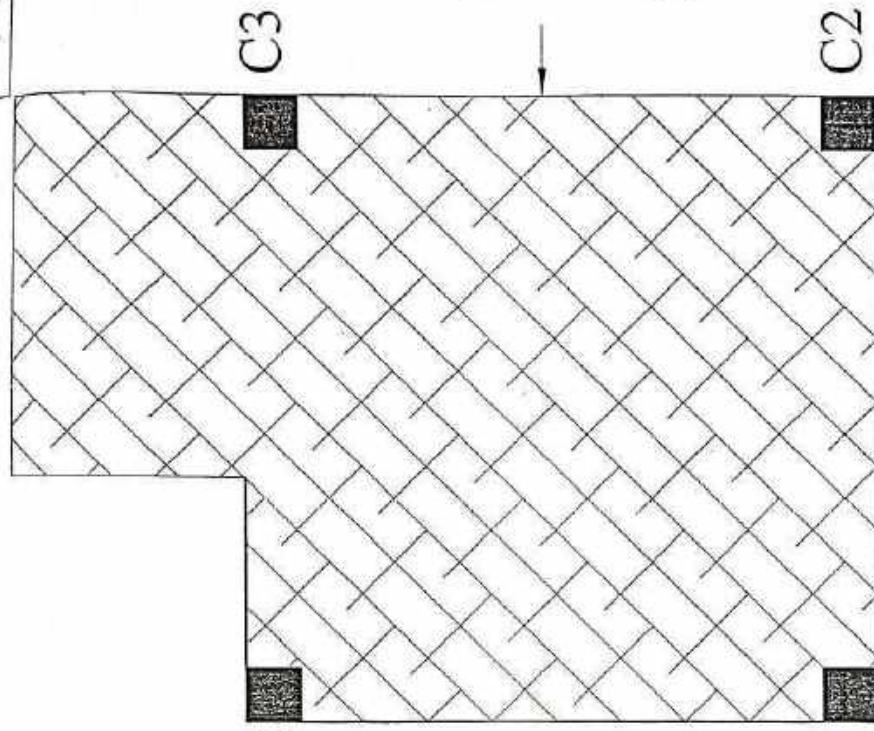
COLUMN NUMBERS	DEPTH OF FOOTING	SIZE OF FOOTING (B X L)	SIZE OF P.C.C.
C1, C2, C3, C4	300	900 X 900	1050 X 1050

FOUNDATION/COLUMN CENTRE LINE PLAN

Construction of Cleaning/Grading/Sorting/Dal mill/Cattle Feed manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Gangapur, Dist. Aurangabad

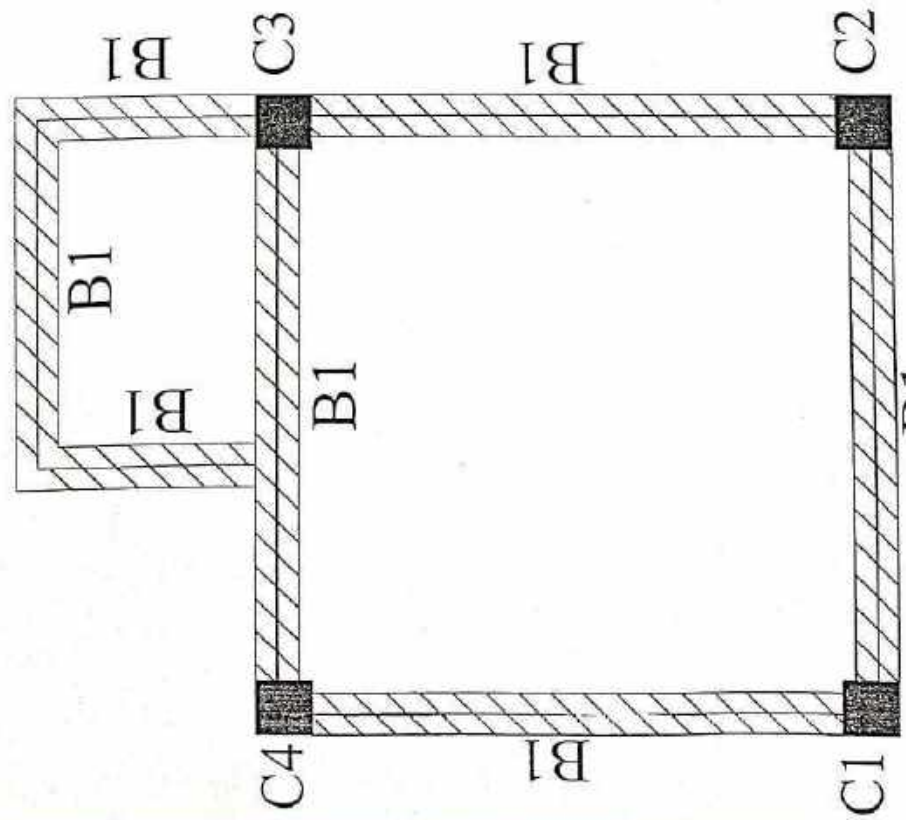
STRUCTURAL DESIGN BY

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 Email: jvstructural@gmail.com



ROOF STRUCTURAL PLAN

G. I SHEET



GROUND LEVEL RCC STRUCTURAL PLAN
 (-0.15M FROM GL.)
 ALL BEAMS ARE AT GROUND LEVEL

GROUND LEVEL RCC STRUCTURAL PLAN
 (-0.15M FROM GL.)
 Construction of Cleaning/Grinding/Sorting/Dal mill/Cattle Feed manufacturing unit shed for Aditya Raj producer company Ltd at Shahapur banjar, Tq. Ganganpur, Dist. Anapringbar
 STRUCTURAL DESIGN BY

J.V. Structural Engineers & Consultants
 OFFICE : 21/17/07P, Patala, Anapringbar, Dist. Anapringbar.
 Business hour: 10:00 AM to 5:00 PM.
 Mobile : 917103303, 987671726
 Email : jvonenal@gmail.com
 SUVA HELMUT DR. PVD. EDISON ALUMINUMS & STRUCTURAL DESIGNERS PVT. LTD. NO. 24/25/01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

BEAMS AT LINTEL LEVEL	
B1	- 230 X 450

BEAMS AT GL/PL LEVEL	
B1	- 230 X 450

WEST

LASUR TO DEVGAON ROAD

SOUTH

129.00



FPC ROAD

NORTH

60.00

EAST

PLOT AREA	= 83312 SQ.FT
BUILTUP AREA	= 25370 SQ.FT
DRYING YARD	= 5766 SQ.FT
SHED FOR DAL.MIL	= 5766 SQ.FT
OFFICE	= 157 SQ.FT

LAYOUT PLAN

Construction of Crushing/Grinding/Sorting/Dal mill & office Food processing unit shed for Acharya Raj producer company Ltd at Bhakpur location, Tq. Gangapur, Dist. Arunachal

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