

**Irsshad J. Quazi**

Chartered Engineer.

Approved Valuer, FIV, Cat – I/F-2539

M. Tech Civil (Structural)

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1st Floor Hora Complex, Near Prabhat

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Mob.No. 98226 43439

**SUMMARY SHEET**

**NAME OF WORK:-** PROPOSED CONSTRUCTION OF MACHINE SHED FOR "ANTARANG FARMER PRODUCER COMPANY LIMITED" SITUATED AT MOUZA BORDA (GANESHI), GAT NO. 41/1, BLOCK PARSHIONI, DIST. NAGPUR. (Built up area = 450.00 Sqmt. Or 4843.80 Sqft.)

<u>Sr. No.</u>	<u>DESCRIPTION</u>	<u>PERCENTAGE</u>	<u>AMOUNT</u>
1	Estimate Cost (Machine shed)	As Per Estimate	6051466.40
2	Add For Electrification	As Per Calculations	302573.00
3	Add For Royalty/Rate Analysis Charge	As Per Calculations	302573.38
4	Add For Lab Testing Charges	As Per Calculations	24955.00
5	Total Cost	-	6681567.78
	Add 18% for GST Charge		1202682.20
	Total	Rs.	7884249.98
6	Add 0.5% For Insurance	-	39421.25
	Total Amount	Rs.	7923671.23
	Say	Rs.	79,23,671/-

**( Rs. Seventy Nine Lac Twenty Three Thousand Six Hundred & Seventy One Only.)**

Note - The Estimate Is Based on S.S.R. 2022-23

*Irsshad J. Quazi*  
**QUAZI ASSOCIATES**  
**IRSSHAD J. QUAZI**  
M. TECH STRUCTURE (CIVIL) FIV,AIV  
Govt. Approved Valuer Cat No.I/F-2539  
LIC No.-ADTP/GONDI/VER/15



**ABSTRACT SHEET**

**NAME OF WORK :-** PROPOSED CONSTRUCTION OF MACHINE SHED FOR "ANTARANG FARMER PRODUCER COMPANY LIMITED" SITUATED AT MOUZA BORDA (GANESHI), GAT NO. 41/1, BLOCK PARSHIONI, DIST. NAGPUR.  
(Built up area = 450.00 Sqmt. Or 4843.80 Sqft.)

Sr.No.	PARTICULARS	UNIT	QTY	RATE	AMOUNT
1	Excavation for foundation earth, soils of all types, sand, gravel & soft murum, including removing the excavation material up to a distance of 50 m ..... and necessary back filling, raming, watering, including shoring & strutting as necessary complete.SSR No. 21.01, Page No. 153	Cum	194.208	239.00	46415.71
2	Providing and laying in situ cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and .....for rendering uneven and honey combed surface only. Newly laid concrete shall be covered by gunny bag,plastic, trapaulin etc.SSR No. 24.01, Page No. 175	Cum	52.160	5538.00	288861.86
3	Providing and laying in situ / Ready Mix cement concrete M20 of trap /granite /quartzite /gneiss metal for R.C.C. work in foundation slikeraft ,strip foundations ,grillage and footing sof R.C.C. column sand stee l stanchions etc.including bailingout water, Steel centering formwork, laying /pumping coverblocks, compaction and curing roughening the surface if special finishiso be provided (Excluding reinforcement and structural steel) etc. complete, withfully automatic micro processor based PLC with SCADA enable dreversible Drum Type mixer/ concrete Batch mixplant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) . SSR No. 25.11, Page No. 178	Cum	18.900	7104.00	134265.60

4	<p>Providing and laying Castinsitu/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ eissmetal for R.C.C. column sasper detailed design sand drawing oras directed including steel centering, formwork, coverblocks, laying/ pumping, compaction finishing the formed surface swithcemen tmortar 1:3 of sufficient minimum thickness to givea smooth and even surface orroughening if special finishis to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ c oncrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade).SSR No. 25.31, Page No. 179</p>	Cum	44.113	13783.00	608003.97
5	<p>Providing and laying Cast in situ / Ready Mix cement concrete M20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beam sand lintels as per detailed design sand drawing soras directed including steel centering, ormwork, coverblocks, laying/ pumping, compaction and roughening the surface if specia finishis to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Typemixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade).ssr item no. 25.50, Page No. 181</p>	Cum	8.808	12269.00	108063.51

6	Providing second class Burnt Brick masonry with conventional /I.S. type brick since mortar 1:6 in foundation and plinth of inner walls/ in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. Ssr item No. 27.01, Page No. 197	Cum	17.616	7755.00	136609.75
7	Providing second class Burnt Brick masonry with conventional /I.S. type brick since mortar 1:6 in super structure including striking joints, raking out joints, watering and scaffolding etc. Complete. Ssr Item No. 27.05, Page No. 197	Cum	86.009	7994.000	687551.95
8	Providing and laying Cast in situ/ Ready Mix cement concrete in M20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and window moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/ pumping, compacting, curing, finishing and droughening the surface finish to be provide and curing complete. (Excluding reinforcement and structural steel). with fully automatic microprocessor based PLC with SCADA enable reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade), Ssr Item No. 26.23, Page No. 185	Cum	1.957	7190.00	14072.99
9	Filling in plinth and floors with contractors approved material/sand or murum in 15 to 20 CM layer including watering and compaction complete. Ssr Item No 21.37, Page No. 157	Cum	269.952	599.00	161701.10

10	Providing internal cement plaster 12 mm 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 . sr Item No. 32.03, Page No. 209	Sqm	365.670	271.00	99096.57
11	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 water proofing compound at 1 Kilo gram per cement bag curing the same for not less than 2 day sand 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 grain sand curing for fourteen days scaffolding etc.compl etc. Ssr Item No. 32.11, Page No. 209	Sqm	373.950	639.00	238954.05
12	Providing and fixing in position TMT - FE 500 barreinforcement of various diameter for R.C.C. pilecaps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintel spandis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tackwelding and supporting as required complete. Ssr Item No. 26.33, Page No. 188	Mt.	19.032	89703.00	1707265.10
13	Providing and laying cement concrete flooring 50 mm thick with M20 cement concrete laid to proper level and slope in alternate bays including compaction, filling joints, marking line to give the appearance of tiles of 30 cm x 30 cm or other size laid diagonally /square etc .finishing smooth (with extra cement ) in any colour as directed and curing etc.complete. With Crushed Sand. Ssr Item No.33.16 , Page No. 214	Sqm	430.558	483.00	207959.61

14	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. Ssr Item No. 35.13, Page No. 224	Sqm	739.620	79.00	58429.98
15	Providing and fixing rolling shutter fabricated from steellaths of minimum thickness 0.9 mm with lock plate of 3.15 mm thick ness 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 thick ness not less than 65 mm and 3.15 mm respectively with hold fastarrangements , M.S. Bracketplate 300x300x3.15 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 thick ness and of any size attopand safety device sincluding mechanicalgear operation arrangement consisting of wormgear wheels and worm sofhigh gradecastiro no rmild steel and one coat of redlead primeretc. complete. (I.S. 62481979) (Without mechanical gear.Ssr Item No.39.24 Page. No. 248	Sqm	9.000	4829.00	43461.00
	thick ness and of any size attopand safety devices including mechanicalgear operation arrangement consisting of worm gearwheels and worms of high grade castironor mild steel and one coat of redlead primeretc. complete. (I.S. 62481979) (Without mechanical gear.Ssr Item No.39.24 Page. No. 248				

16	Providing structural steel work in trusses, purlins and members with all bracing, gusset plates etc. as per detail drawing 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 two coat of oil painting of approved quality and shade complete. Ssr item no. 23.04 Page No. 173	M.T.	8.320	119459.00	993898.88
17	Providing and fixing 22B. W. G. plain galvanised iron sheets on top of weathershed, including scaffolding, fixing by mean sofnutand bolts or as directed etc. complete. (Brackets of 70 x 45 mm to be paid separately) SSR Item No.39.88, Page No. 263	RMT	449.920	1052.00	473315.42
18	Providing and fixing valley gutter of 22B. W.G. (0.8 mm) plain galvani sediron sheets 90 cm wide with teak wood planking 20 mm thick including twocoat sofcoaltarring the upper surface of plank etc. complete. (excluding painting to underside of plank). SSR Item No. 38.09 Page No. 233	Rmt.	19.630	2218.00	43539.34
			<b>Total</b>	<b>Rs.</b>	<b>6051466.40</b>
	<b>LAB TESTING</b>				
1	Mix Design M-20 Concrete	Nos.	1	13755.00	13755
	<b>CEMENT</b>				
2	Standard Consistancy, Fineness, Specific Gravity, Setting Time ( Initial & Final ), Compressive Strength, Soundness.	Nos.	1	3770.00	3770
	<b>AGGREGATE</b>				
3	Water Absorption, Specific Gravity, Impact Value, Crushing Value	Nos.	1	2600.00	2600
	<b>BRICKS</b>				
4	Water Absorption (Set of 5 Bricks), Compressive Strength (Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	Nos.	1	2175.00	2175
	<b>CONCRETE</b>				
5	Compressive Strength M-30, M-20.( Set of 3 Cubes)	Nos.	1	690.00	690
	<b>MORTOR</b>				

6	Compressive Strength.( Set of 3 Cubes)	Nos.	1	690.00	690
7	STEEL BAR TESTING Upto 12 mm, 16 mm, 20 mm (Set of 3 Bars)	Nos.	1	1275.00	1275
				Total	24955.0

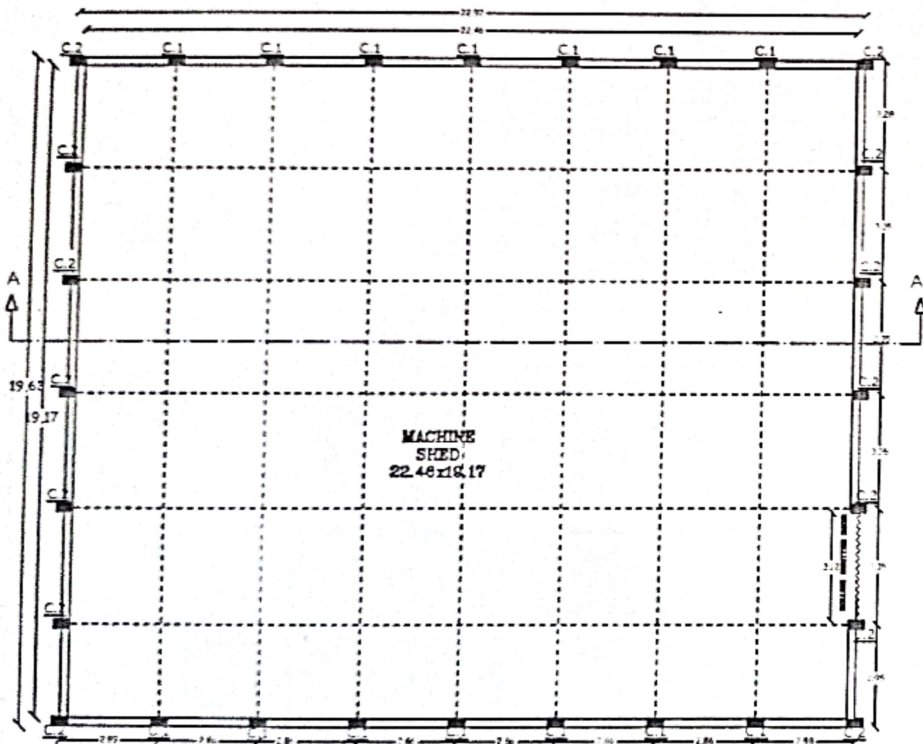
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M. TECH STRUCTURE (CIVIL) FIV, AIV  
Govt. Approved Valuer Cat No. I/f-2539  
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**Electrification***1378 sqm*

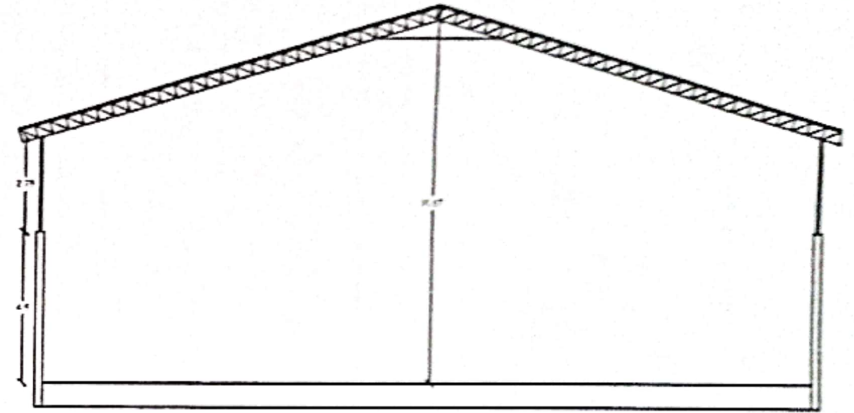
**NAME OF WORK :- PROPOSED CONSTRUCTION OF MACHINE SHED FOR "ANTARANG FARMER PRODUCER COMPANY LIMITED" SITUATED AT MOUZA BORDA (GANESH), GAT NO. 41/1, BLOCK PARSHONI, DIST. NAGPUR.**  
(Built up area = 450.00 Sqmt. Or 4843.80 Sqft.)

1	Single core PVC insulated copper wire 1.5 sq mm	Mt.	63	2632	165816
2	Bulb 60W Pin type	No.	21	28	588
3	CFL 23w holder type	No.	30	230	6900
4	Switch MCCB 100A	No.	15	1045	15675
5	MCB 20Amp	No.	20	635	12700
6	Tube Rod 36W	No.	40	370	14800
7	6 M Modular PVC Box	No.	55	75	4125
8	Switch 15A	No.	110	50	5500
9	Socket 15A	No.	74	36	2664
10	Choke 18 watt for 4 pin CFL	No.	55	360	19800
11	3 Core, 2.5 sq mm, flexible PVC insulated cable	No.	180	65	11700
12	Connector strip 10A (12point)	No.	310	25	7750
13	Plug Top 25A, 3 pin	No.	30	60	1800
14	PVC Tape roll	No.	50	270	13500
15	Batten nail	No.	70	35	2450
16	Tube Starter 20-65W	No.	40	32	1280
17	Terminal power strip, 15 Amps, 3 Socker 3 Switch	No.	15	1035	15525
<b>Total</b>				<b>302573</b>	

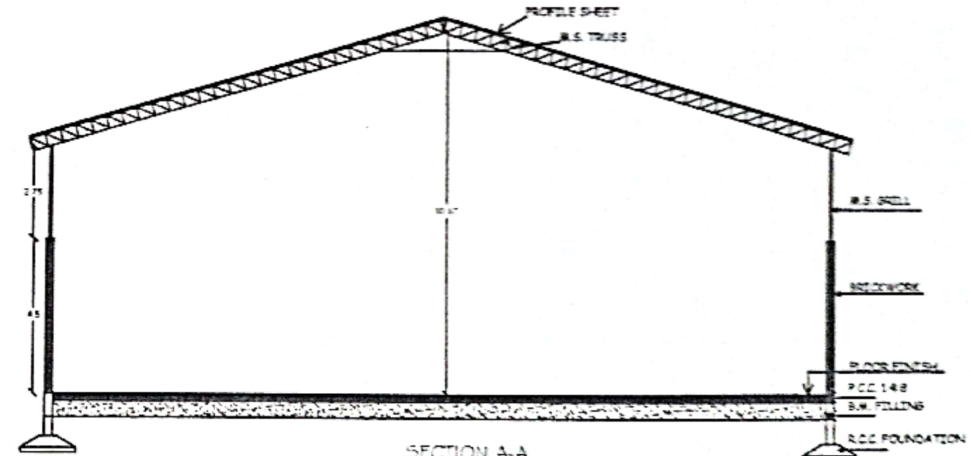
**QUAZI ASSOCIATES****IRSSHAD J. QUAZI****M. TECH STRUCTURE (CIVIL) FIV/ATV****Govt. Approved Valuer Cat No. JH-2539****LIC. No.-ADTP/GONDIA/ER/15**



MACHINE SHED PLAN  
SCALE 1:100



ELEVATION



SECTION A-A

AREA STATEMENT

TOTAL BUILT UP AREA = 450.00 SQM (4843.80 SQFT.)

PROPOSED CONSTRUCTION OF MACHINE SHED FOR "ANTARANG FARMER PRODUCER COMPANY LIMITED" SITUATED AT MOUZA BORDA (GANESHI), 6AT NO. 41/1, BLOCK PARSHIONI, DIST. NAGPUR

SANCTION AUTHORITY

OWNER'S SIGN

ENGINEER SIGN

QUAZI ASSOCIATES  
IRSHAD J. QUAZI  
M. TECH STRUCTURE (CIVIL) PUNJAB  
Govt. Approved Valuer Cat No. 14-2539  
LIC No. ADTR/GONDIA/ER/15



**NAME OF WORK :- PROPOSED CONSTRUCTION OF MACHINE SHED  
FOR "ANTARANG FARMER PRODUCER COMPANY LIMITED" SITUATED  
AT MOUZA BORDA (GANESHID), GAT NO. 41/1, BLOCK PARSHIONI, DIST.  
NAGPUR. (Built up area = 450.00 Sqm. Or 4843.80 Sqft.)**

Sl. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
1	Excavation for foundation earth, soils of all types, sand, gravel & soft murum, including removing the excavation material up to a distance of 50 m ..... and necessary back filling, ranning, watering, including shoring & strutting as necessary complete.SSR No. 21.01, Page No. 153	28	1.70	1.70	2.40	194.208	239	46415.7
	C.1					194.208		
						Cum		
2	Providing and laying in situ cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and .....for rendering uneven and honey combd surface only. Newly laid concrete shall be covered by gunny bag,plastic, trapaulin etc.SSR No. 24.01, Page No. 175	28	1.60	1.60	0.10	7.168		
	C.1	1	22.92	19.63	0.10	44.992		
	Floor bed					52.160	5538	288861.8585
						Cum		
3	Providing and laying in situ / Ready Mix cement concrete M20 oftrap /granite /quartzite /gneiss metal for R.C.C. work in foundation sikafrat ,strip foundations ,grillage and footing sof R.C.C. column sand stee l stanchions etc.including bailingout water, Steel centering formwork, laying /pumping coverblocks, compaction and curing roughening the surface if special finishso be provided (Excluding reinforcement and structural steel) etc. complete, withfully automatic micro processor based PLC with SCADA enable dreversible Drum Type mixer/ concrete Batch mixplant (Pannixer) etc. complete. With fine aggregate (Crushed sand VSI Grade) . SSR No. 25.11, Page No. 178	28	1.50	1.50	0.30	18.900		
						18.900		
						18.900	7104	134265.6

Sr. No	PARTICULARS	Nos	L(M)	B(M)	L/D(M)	QTY(Cum)	RATE	AMOUNT
4	Providing and laying Castin situ / Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal R.C.C. column sasper detailed design sand drawing oras directed including steel centering, formwork, coverblocks, laying/ pumping, compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface orroughening if special finishes to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade).SSR No. 25.31, Page No. 179							
	a) below G.L.	28	0.30	0.45	1.00	3.780		
	a) above G.L.	28	0.30	0.45	10.67	40.333		
						44.113	13783	608003.97
						Cum		
5	Providing and laying Cast in situ / Ready Mix cement concrete M20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beam sand lintels as per detailed design sand drawing soras directed including steel centering, orrmwork, coverblocks, laying/ pumping, compaction and roughening the surface if special finishes to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Typemixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade).srr item no. 25.50, Page No. 181							
	A) at ground level	2	22.92	0.23	0.45	4.744		
		2	19.63	0.23	0.45	4.063		
						8.808	12769	108063.51
						Cum		
6	Providing second class sburnt Brick masonry withconventional /I.S. type brick sinccent mortar 1:6 in foundation sand plinth of in ner walls/ in plinth external walls including bailing out water rmanually,striking joints orun exposed faces, raking out joints onex posed faces and watering etc. Complete .Ssr item No. 27.01,Page No. 197							
		2	22.92	0.23	0.90	9.489		
		2	19.63	0.23	0.90	8.127		
						17.616	7755	136609.7535
						Cum		

Sr. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
7	Providing second class Burnt Brick masonry with conventional /S. type brick simecent mortar 1:6 in super structure in cluding striking joints, rakingout joints, watering and scaffolding etc. Complete. Ssr Item No. 27.05, Page No. 197							
		2	22.92	0.23	4.50	47.444		
		2	19.63	0.23	4.50	40.634		
						88.079		
	Deduction shutter	1	3.00	0.23	3.00	2.070		
						2.070		
			88.1	2.07		86.009	7994	687551.95
						Cum		
8	Providing and laying Cast in situ/ Ready Mix cement concretein M20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. coping to plinth or parapet and sill of doors and window smoulded as per detailed drawings or chambered as approved by the Engineer including steel centering, formwork, coverblocks, laying/ pumping, compacting, curing, finishing an droughening the mispecial finishes to be provide dand curing complete. (Excluding reinforce mentand structural steel). with fully automatic microprocessor based PLC with SCADA enable dreversible Drum Typemixer/ concrete Batch mixplant (Pannixer) etc .complete. With fine aggregate (Crushed sand VSI Grade), Ssr Item No.26.23, Page No. 185							
	1 To plinth							
		2	22.92	0.23	0.100	1.054		
		2	19.63	0.23	0.100	0.903		
						1.957	7190	14072.987
						Cum		
9	Filling in plinth and floors with contractors approved material/sand or murum in 15 to 20 CM layer including watering and compaction complete.Ssr Item No.21.37, Page No. 157							
	Floor bed							
		1	22.92	19.63	0.60	269.952		
						269.952	599.00	161701.10
						Cum		
10	Providing internal cement plaster 12 mm thick in single coat in cement mortar 1:5 without netru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete . sr Item No. 32.03, Page No. 209							
		2	22.46		4.50	202.140		
		2	19.17		4.50	172.530		
						374.670		
	Deduction							





St. No	PARTICULARS	Nos	L(M)	B(M)	H/D(M)	QTY(Cum)	RATE	AMOUNT
18	Providing and fixing valley gutter of 22B. W.G. (0.8 mm) plain galvani sedron sheets 90 cm wide with teak wood planking 20 mm thick including twocoat sofoelharring the upper surface of plank etc. complete. (excluding painting to underside of plank). SSR Item No. 38.09 Page No. 233	1	19.63			19.630	2218.0	43539.34
						Rmt.		
						Total	Rs.	6051466.4

*For Review*  
**QUAZI ASSOCIATES**

**IRSEHAD J. QUAZI**  
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 Govt. Approved Valuer Cat No. JH-2539  
 LIC. No.-ADTP/GONDIA/ER/15

