

AOUDMBAR ENGG. CONSULTANT

Kotharkar Complax F1 Near Bus-Stand
Umarkhed Tq. Umarkhed
Dist. Yavatmal
Mo.9423434693

Gajanan D. Chinnawar

B.E (Civil) MIE, FIV
Approved Valuer F-19484
Chartered Engineer -M-129817/2
Govt. approved valuer cat- 1/218/16-17

RECAPULATION SHEET

DATE:- / /2022

NAME OF WORK :- PROPOSED CONSTRUCTION OF CLEANING MACHINE SHED

SIZE OF SHED:- 18.28 M X 10.05 M X 10.00 M

CONSTRUCTION AREA:- 196.95 SQ.M

FLOOR AREA:- 183.71 SQ.M

PROJECT LOCATION:- AT MZ TANDALI BU. GUT.NO.264 TQ. DIST.WASHIM

PROMOTOR:- NANAJI FARMER PRODUCER COMPANY LIMITED

SR.NO	DESCRIPTION	PERCENTAGE	AMOUNT
1.	Estimated Cost (Cleaning Machine Shed)	As Per Estimate	25,71,000/-
2.	Add For Electrification	2%	51,420/-
3.	Add For Royalty	As Per Royalty Statement	57,700/-
4.	Add For Lab Testing Charges	As Per statement	25,275/-
5.	Total Cost		27,05,395/-
6.	Add 18% for GST Charges Or As Applicable		4,86,972/-
7.	Total		31,92,367/-
8.	Add 0.5% For Insurance		15,962/-
9.	Total Amount		32,08,329/-
10.	Say		32,09,000/-
11.	Grand Total		32,09,000/-

(In words Thirty Two Lakh Nine Thousand Rupess Only)

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

NAME OF WORK :- PROPOSED CONSTRUCTION OF CLEANING MACHINE SHED
PROJECT LOCATION :- AT MZ TANDALI BU. GUT.NO.264 TQ. DIST.WASHIM
PROMOTER :- NANAJI FARMER PRODUCER COMPANY LIMITED

ABSTRACT SHEET

SR.NO	ITEM OF WORK	QTY	RATE	UNIT	AMT.
1	<p>Excavation for foundation in earth soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area , stacking and/or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling, ramming,watering (Excluding shoring and strutting)etc. complete. (Lift upto 1.5 m.) [Spec.No. :Bd.A.1 Page No. 259] Basic Rate as per S.S.R.I. No 21.01, Page No 153</p>	52.92	239.00	CUM	12647.88
2	<p>Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area, stacking and/ or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling ramming watering, etc. complete. (Excluding shoring and strutting) (Lift upto 1.50 m) [Spec.No. :Bd.A.2 PageNo. 259] Basic Rate as per S.S.R.I. No 21.05, Page No 153</p>	63.50	365.00	CUM	23178.96
3	<p>Providing and laying is situ, cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water form work, compacting and curing etc. complete [Spec.No. :Bd.E.1 Page No. 287]/I.S.456 (2000) Basic Rate as per S.S.R.I. No 24.01, Page No 175</p>	5.29	5830.00	CUM	30852.36
4	<p>Providing and laying in situ 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 including bailing out water manually, form-work, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel). [Spec.No. :Bd.F.3 Page No. 298/IS:456(2000)] Basic Rate as per S.S.R.I. No 25.11, Page No 178 FOOTING</p>	20.79	7104.00	CUM	147692.16
5	<p>Providing and casting in situ cement concrete M-20 / [1:2:4] of trap granite/quartzite/gneiss metal for R.C.C. columns as per detailed drawings and designs, or as directed including ,centering, form-work,compaction ,finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or and roughening if special finish is to be provided and curing etc. complete. (excluding reinforcement) [Spec.No. :Bd.F.5 Page No. 300/IS:456(2000)] Basic Rate as per S.S.R.I. No 25.31, Page No 179</p>	7.64	13783.00	CUM	105357.252
6	<p>Providing & casting in situ cement concrete M-20 of trap/granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, compaction,</p>				

finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or & roughening the surface if special finish is to be provided & curing etc.complete (Excluding reinforcement).
[Spec.No. :Bd.F.6 Page No. 300/IS:456(2000)]

Basic Rate as per S.S.R.I. No 25.50, Page No 181 9.36 12269.00 CUM 114861.01

7 Providing and casting in situ cement concrete of required grade of trap / granite /quartzite /gneiss metal for **R.C.C slabs and landings** as per detailed design and drawings including steel centering, plywood /steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided with fan hook box of 2 mm thick M.S.Sheet rectangular size 180 mm x 100 mm with required depth, with holes or notches, as required, bottom and top etc.

For-C.C M-20

Basic Rate as per S.S.R.I. No 25.70, Page No 182 1.560 13932.00 CUM 21733.92

8 Providing and casting in situ cement concrete of required grade of trap / quartzite / granite/ gneiss metal for **R.C.C. chajja** as per detailed design and drawings including steel centering, plywood/steel formwork, steel props, compaction finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc.complete.(Excluding reinforcement, including cover block) 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)

Basic Rate as per S.S.R.I. No 26.05, Page No 184 0.778 13932.00 CUM 10833.52

9 Providing and fixing in position **steel 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 etc. complete.

Basic Rate as per S.S.R.I. No 26.33, Page No 188 2.500 89703.00 MT 224257.50

10 Providing **2nd class Burnt Brick masonry** with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth of external walls including bailing out water, striking joints on unexposed faces, racking out joints on exposed faces and watering complete.

Basic Rate as per S.S.R.I. No 27.01, Page No 197 9.715 7755.00 CUM 75341.09

11 Providing and casting in situ **cement concrete M15** of trap/granite/quartzite/gneiss metal **for coping to plinth or parapet**,moulded or chamfered as per drawing or as finishing with minimum thickness of 1:3 cement plaster to given a smooth and even surface or roughening them of

	special finish is to be provided ,finishing if required and curing etc. complete. Basic Rate as per S.S.R.I. No 26.23, Page No 185	1.822	7190.00	CUM	13097.25
12	Providing and casting in situ cement concrete of C.C. M-20 grade of trap/quartzite /granite /gneiss metal for R.C.C. Waist slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a block) 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.complete. Building	0.000	0	CUM	0
13	Filling in plinth and floors with contractors approved material / murum / stone dust in 15cm. to 20cm. layers including watering and compaction complete. Basic Rate as per S.S.R.I. No 21.37, Page No 157 Filling	146.97	599.00	CUM	88035.749
14	Providing soling using 80 mm size granite / quartzite / gneiss / trap metal in 15 cm. layer including hand packing filling voids with sand / grit, ramming, watering etc complete. Basic Rate as per S.S.R.I. No 21.40, Page No 157 Soling	27.56	1454.00	CUM	40068.023
15	Filling in plinth and floors with approved excavated materials in 15 cm. to 20 cm. layers including watering and compaction complete. Basic Rate as per S.S.R.I. No 21.36, Page No 157	0.00	0.00	CUM	0
16	Providing second class Burnt 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. Basic Rate as per S.S.R.I. No 27.05, Page No 197	22.07	7994.00	CUM	176464.28
17	Providing plaster externally in cement mortar using Kharsalia/Kasaba or similar type of sand,in all positions including base coat of 15mm. thick in C.M. 1:4 , using waterproofing compound at 1kg.per sand faced treatment 6 to 8mm. thick in C.M. 1:4, finishing the surface by taking out grains and curing for fourteen days, scaffolding etc.complete. [Spec.No. :Bd.L.7 Page No. 369] Basic Rate as per S.S.R.I. No 32.12, Page No 209	246.90	563.00	SQM	139006.671
18	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.2 Page No. 368] Basic Rate as per S.S.R.I. No 32.03, Page No 209	151.89	271.00	SQM	41162.60

19	<p>Providing and fixing steel Window fully glazed partly top hung and partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes of approved type and quality and fastening without teak wood boxing and architecture and oil painting two coats etc. complete. (Sample to be got approved from Ex.Engineer before use) with guard sq. bar 12mm 10cm c/c and oil painting 2 coats etc. Spec.No.: As directed by Engineer- in-charge.</p> <p>Basic Rate as per S.S.R.I. No 39.29, Page No 249</p>	22.140	3375.00	SQM	74722.5
20	<p>Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surface including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. [Spec.No. :Bd.O.8 Page No. 406]</p> <p>Basic Rate as per S.S.R.I. No 35.15, Page No 224</p>	246.90	104.00	SQM	25677.964
21	<p>Providing & applying washable oil bound distemper of approved colour & shed to old surfaces in two coats including scaffolding & preparing the surfaces [excluding primer coat] etc. complete.</p> <p>Basic Rate as per S.S.R.I. No 36.10, Page No 227</p>	151.89	32.00	SQM	4860.53
22	<p>Providing and fabricating structural steel work in PEB Structure rolled sections, fixed with connecting plates or angle cleats in main and cross beams,hip and jack rafters, purlins G.I connecting to truss members& the like, as per detailed design and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted /bolted/welded connections and one coat of anticorrosive paint and over it two coats of oil painting complete [Spec.No. :Bd.C.3 Page No. 275]</p>	5.50	90000.00	MT	495000
23	<p>Providing and fixing colour coated zincalume @ AZ150(min 150 gms / sg. Mt Total on each side) propped sheets for roofing The feed material is manufactured out of nominate 0.45 mm base metal thickness (8mt) (0.5 mm TCT) Hi strength steel iwht m/s 559 Mpa yield strength, metallic hot dip coated with Aluminum zinc alloy (55% aluminium 43.4% zink 1.6% silicon) with COLOURBOND(R) steel quality super durable polyester paint coat (with inorganix plgment) The palnt shall have a total coating thickness of nominal 35 um. Complising of nominate 25 um exterolor coat on top surface profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan of nominal 180-250 mm center to center. The end rib shall be designed for anticapillary groove. And returun leg . The feed material should havew coll manufactures product details marked a regular interval including fasteners with min. fastered with min 25 um zinc tim alloy coated max head self drilling screw etc completed (Weight of profile 4.52% sqm)</p> <p>ROOFING AND SIDE CLADDING</p> <p>Basic Rate as per S.S.R.I. No 38.34, Page No 236</p> <p>As Per Market Rate Quotation</p>	629.30	1173.00	SQM	
		629.30	600.00	SQM	377580.00

24	Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with the necessary refilling with bitumen etc. complete Basic Rate as per S.S.R.I. No 33.30, Page No 216 FLOOR	183.71	796.00	SQM	146236.344
25	Providing groove cutting 25 milli meters X 6 milli meters in cement concrete flooring & fitting te gap of expansion joints with bituman of 30/40 grade including cleaning the groove and preparig the same or filing etc . Complete as directed	0.00	0.00	RMT	0
26	Providing and fixing rolling steel shutters fabricated from 18/20 guage steel laths with side guides, bottom rail, brackets, door suspension shaft including rolling springs,locking arrangement and housing box at top including one coat of red lead primer. Basic Rate as per S.S.R.I. No 39.25 Page No 249 shutter	18.61	5308.00	SQM	98755.340
27	Providing fixing metacoulour, epoxy coating, to match G.I sheeting of 22BWG (1mm) over the ridge ,hip or valleyfor meta colour corrugated epoxy sheet roofign including fastening with galvanised iron screw and bolt and lead and bitumen washer etc. complete. [Spec.No. :Bd.R6 Page No.452]	18.74	1000.00	RMT	18740.00
28	Providing & fixing Turbo Ventilator of 24 inches throat doiameter of alluminium and of approved make including fixing on dome manufactured from same material used for roofing all necessary fittings etc Complete (Prior approval of sample and brand by Engineer in charge is necessary before use) As direced by Engineer - in - charge	4.00	9702	Nos	38808
29	Providng & fixing M.S. Channel ISMC 150 X 75 milimeters thick with weight @ 16.80 kilogram / running meter with 20 mili meter diamete & 0.50 meter long bolts & nuts & 1.00 meter center to center M.S. angles for stand of fire bucket including chain fixing in wall applying three coats of oil paints etc complete	365.00	70	kg	25550
				TOTAL	2570520.90
				SAY RS	25,71,000

IN WORDS:
TWENTY FIVE LAKH SEVENTY ONE THOUSAND RUPEES ONLY

NAME OF WORK :- PROPOSED CONSTRUCTION OF CLEANING MACHINE SHED
PROJECT LOCATION :- AT MZ TANDALI BU. GUT.NO.264 TQ. DIST.WASHIM
PROMOTER :- NANAJI FARMER PRODUCER COMPANY LIMITED

Lab Testing Charges				
1	Mix Design M-20 Concrete	1	13755.00	No.s 13755.00
2	Concrete M-30/M-20	3	690.00	No.s 2070.00
3	Bricks	2	2175.00	No.s 4350.00
4	Steel 8MM,10MM,12MM,16MM,20MM	4	1275.00	No.s 5100.00
Total				<u>25275.00</u>

In Words :- Twenty Five Thousand Two Hundred Seventy Five Rupees Only

NAME OF WORK :- PROPOSED CONSTRUCTION OF CLEANING MACHINE SHED

PROJECT LOCATION :- AT MZ TANDALI BU. GUT.NO. 264 TQ. DIST.WASHIM

PROMOTER :- NANAJI FARMER PRODUCER COMPANY LIMITED

ROYALTY STATEMENT

SR.NO		QUANTITY	PER CU.M	TOTAL	RATE	AMOUNT
ITEM NO.03						
	SAND	5.29	0.47	2.49	237.37	590.17
	METAL	5.29	0.94	4.97	216.18	1074.98
ITEM NO.04						
	SAND	20.79	0.425	8.84	237.37	2097.34
	METAL	20.79	0.85	17.67	216.18	3820.22
ITEM NO.05						
	SAND	7.64	0.425	3.25	237.37	770.74
	METAL	7.64	0.85	6.49	216.18	1403.87
ITEM NO.06						
	SAND	9.36	0.425	3.98	237.37	944.26
	METAL	9.36	0.85	7.96	216.18	1719.93
ITEM NO.07						
	SAND	1.560	0.425	0.66	237.37	157.38
	METAL	1.560	0.85	1.33	216.18	286.65
ITEM NO.08						
	SAND	0.778	0.425	0.33	237.37	78.49
	METAL	0.778	0.85	0.66	216.18	142.96
ITEM NO.10						
	SAND	9.715	0.32	3.11	237.37	737.94
ITEM NO.11						
	SAND	1.822	0.425	0.77	237.37	183.81
	METAL	1.822	0.85	1.55	216.18	334.80
ITEM NO.13						
	MURUM	146.97		146.97	216.18	31771.97
ITEM NO.14						
	MURUM	27.56		27.56	216.18	5957.92
ITEM NO.16						
	SAND	22.07	0.32	7.06	237.37	1676.40
ITEM NO.17						
	SAND	246.90	0.033	8.15	237.37	1934.02

ITEM NO.18	SAND	151.89	0.015	2.28	237.37	540.81
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ITEM NO.24	SAND	183.71	0.033	6.06	237.37	1439.04
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TOTAL	<u>57663.70</u>
SAY RS	<u>57,700/-</u>

In Words:- Fifty Seven Thousand Seven Hundred Rupees Only

NAME OF WORK :- PROPOSED CONSTRUCTION OF CLEANING MACHINE SHED
PROJECT LOCATION :- AT MZ TANDALI BU. GUT.NO.264 TQ. DIST.WASHIM
PROMOTER :- NANAJI FARMER PRODUCER COMPANY LIMITED

MEASUREMENT SHEET

SR.NO	ITEM OF WORK	NO.	LENGTH	BREADTH	D/H	QTY
1	Excavation for foundation in earth soil of all types, sand, gravel and soft murum , including removing the excavated material up to a distance of 50 m. beyond the building area , stacking and/or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling, ramming,watering (Excluding shoring and strutting)etc. complete. (Lift upto 1.5 m.) [Spec.No. :Bd.A.1 Page No. 259] column	14	1.80	2.10	1.00	52.92
				Total Quantity		52.92
						CUM
2	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area, stacking and/ or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling ramming watering, etc. complete. (Excluding shoring and strutting) (Lift upto 1.50 m) [Spec.No. :Bd.A.2 PageNo. 259] column	14	1.80	2.10	1.20	63.50
				Total Quantity		63.50
						CUM
3	Providing and laying is situ, cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water form work, compacting and curing etc. complete [Spec.No. :Bd.E.1 Page No. 287]/I.S.456 (2000) Column	14	1.80	2.10	0.10	5.29
				Total Quantity		5.29
						CUM
4	Providing and laying in situ 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 including bailing out water manually, form-work, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel). [Spec.No. :Bd.F.3 Page No. 298/IS:456(2000)] FOOTING column footing For Rect Footings	14	1.50	1.65	0.60	20.79
				Total Quantity		20.79
						CUM
5	Providing and casting in situ cement concrete M-20 / [1:2:4] of trap granite/quartzite/gneiss metal for R.C.C. columns as per detailed drawings and designs, or as directed including ,centering, form-work,compaction ,finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or					

and roughening if special finish is to be provided and curing etc. complete. (excluding reinforcement)
 [Spec.No. :Bd.F.5 Page No. 300/IS:456(2000)]
Column

14	0.35	0.60	2.60	7.64
Total Quantity				7.64
				CUM

6 Providing & casting in situ cement concrete **M-20** of trap/granite/quartzite/ gneiss metal for R.C.C. **beams** and **lintels** as per detailed designs & drawings or as directed including centering, formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or & roughening the surface if special finish is to be provided & curing etc.complete (Excluding reinforcement).
 [Spec.No. :Bd.F.6 Page No. 300/IS:456(2000)]

FOR PLINTH BEAM

beam...Long side	8	4.31	0.23	0.45	3.569
beam...Short side	6	3.05	0.23	0.45	1.896

PROJECTION BEAM

FOR LINTELS BEAM

Window Chajja Beam	4	1.3	0.23	0.30	0.359
<u>Lintel Beam Top</u>	12	1.80	0.23	0.15	0.745
beam...Long side	8	4.31	0.23	0.23	1.824
beam...Short side	6	3.05	0.23	0.23	0.969

Total Quantity				9.36
				CUM

7 Providing and casting in situ cement concrete of required grade of trap / granite /quartzite /gneiss metal for **R.C.C slabs and landings** as per detailed design and drawings including steel centering, plywood /steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided with fan hook box of 2 mm thick M.S.Sheet rectangular size 180 mm x 100 mm with required depth, with holes or notches, as required, bottom and top etc.

For-C.C M-20

Plat form

2	4	1.3	0.150	1.560
Total Quantity				1.560
				CUM

8 Providing and casting in situ cement concrete of required grade of trap / quartzite / granite/ gneiss metal for **R.C.C. chajja** as per detailed design and drawings including steel centering, plywood/steel formwork, steel props, compaction finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc.complete.(Excluding reinforcement, including cover block) 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)

Window chajja	12	1.80	0.45	0.08	0.778
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Total Quantity	0.778
	CUM

9 Providing and fixing in position **steel 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 etc. complete.

[Spec.No. :Bd.F.17 Page No 306.]

AS PER CALCULATION

Footing	20.79	70.000	1455.30
Column	7.64	80.000	611.52
Beam	9.36	80.000	748.95
Slab	1.56	70.000	109.20
Chajja	0.778	50	38.88
			AS PER CALCULA

A] H.Y.S.D. BAR.

B] MILD STEEL BAR.

ITEM NO. QTY. 2963.85

Total Quantity	2.500
	MT

10 Providing **2nd class Burnt Brick masonry** with conventional/l.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth of external walls including bailing out water, striking joints on unexposed faces, racking out joints on exposed faces and watering complete.

beam...Long side	8	4.31	0.23	0.80	6.344
beam...Short side	6	3.05	0.23	0.80	3.371
			Total Quantity		9.715
					CUM

11 Providing and casting in situ **cement concrete M15** of trap/granite/quartzite/gneiss metal **for coping to plinth or parapet**, moulded or chamfered as per drawing or as finishing with minimum thickness of 1:3 cement plaster to given a smooth and even surface or roughening them of special finish is to be provided ,finishing if required and curing etc. complete.

FOR COPING BEAM

beam...Long side	8	4.31	0.23	0.15	1.190
beam...Short side	6	3.05	0.23	0.15	0.632
			Total Quantity		1.822
					CUM

12 Providing and casting in situ cement concrete of C.C. M-20 grade of trap/quartzite /granite /gneiss metal **for R.C.C. Waist slab, and steps of staircases** as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only.

SQM

18	<p>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.2 Page No. 368]</p> <p>innear wall both side</p> <p>innear wall both side</p> <p><u>Deduction:-</u> Rolling Shutter half Window half</p>	<p>2</p> <p>2</p> <p>1</p> <p>6.0</p>	<p>18.28</p> <p>10.05</p> <p>3.23</p> <p>1.50</p>	<p>3.05</p> <p>3.05</p> <p>3.05</p> <p>1.23</p> <p>[-]</p>	<p>111.508</p> <p>61.305</p> <p>172.813</p> <p>SQM</p> <p>9.852</p> <p>11.070</p> <p>20.92</p> <p>151.89</p> <p>SQM</p>
19	<p>Providing and fixing steel Window fully glazed partly top hung and partly fixed as per detailed drawing without hot dip zinc coating including fabricating glazing with plain obscured glass panes of approved type and quality and fastening without teak wood boxing and architecture and oil painting two coats etc. complete. (Sample to be got approved from Ex.Engineer before use) with guard sq. bar 12mm 10cm c/c and oil painting 2 coats etc. Spec.No.: As directed by Engineer- in-charge.</p>	<p>12</p>	<p>1.50</p>	<p>1.23</p>	<p>22.140</p> <p>22.140</p> <p>SQM</p>
20	<p>Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surface including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete. [Spec.No. :Bd.O.8 Page No. 406]</p> <p>External wall Item no.17 As per Qty.</p>	<p>1</p>	<p>-</p>	<p>-</p>	<p>246.90</p> <p>246.90</p>
21	<p>Providing & applying washable oil bound distemper of approved colour & shed to old surfaces in two coats including scaffolding & preparing the surfaces [excluding primer coat] etc. complete.</p> <p>Internal wall Item no.18 As per Qty.</p>	<p>1</p>	<p>-</p>	<p>-</p>	<p>151.89</p> <p>151.89</p> <p>SQM</p>
22	<p>Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams,hip and jack rafters, purlins connecting to truss members& the like, as per detailed design and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted /bolted/welded connections and one coat of anticorrosive paint and over it two coats of oil painting complete [Spec.No. :Bd.C.3 Page No. 275]</p> <p>L/S</p>	<p>1</p>	<p>As Per Calculation</p>	<p>5.500</p>	<p>5.500</p> <p>MT</p>

23	<p>Providing and fixing colour coated zincalume © AZ150(min 150 gms / sg. Mt Total on each side) proled sheets for roofing The feed material is manufactured out of nominate 0.45 mm base metal thickness (8mt) (0.5 mm TCT) Hi strength steel iwht m/s 559 Mpa yield strength, metallic hot dip coated with Aluminum zinc alloy (55% aluminium 43.4% zink 1.6% silicon) with COLOURBOND(R) steel quality super durable polyester paint coat (with inorganix plgment) The palnt shall have a total coating thickness of nominal 35 um. Complsing of nominate 25 um exterolor coat on top surface profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribes with subtle square fluting in the five pan of nominal 180-250 mm center to center. The end rib shall be designed for anticapillary groove. And returun leg . The feed material should havew coll manufactures product details marked a regular interval including fasteners with min. fastered with min 25 um zinc tim aloooy coated max head self drilling screw etc completed</p> <p>(Weight of profile 4.52% sqm)</p>				
	ROOFING	2	5.50	18.74	206.14
	Side Cladding	2	10.05	7.00	140.70
		2	18.74	7.00	262.36
		2	10.05	1.00	20.10
				Total Quantity	629.30
					SQM
24	<p>Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4 mm wide and 20 mm deep with the necessary refilling with bitumen etc. complete</p>				
	FLOOR	1	18.28	10.05	183.71
				Total Quantity	183.71
					SQM
25	<p>Providing groove cutting 25 milli meters X 6 mili meters in cement concreete flooring & fitting te gap of expansion joints with bituman of 30/40 grade including cleaning the groove and preparig the same or filing etc . Complete as directed</p>				
		0	0.00		0.00
		0	0		0
					0
					RMT
26	<p>Providing and fixing rolling steel shutters fabricated from 18/20 guage steel laths with side guides, bottom rail, brackets, door suspension shaft including rolling springs,locking arrangement and housing box at top including one coat of red lead primer.</p>				
	shutter	2	3.05	3.05	18.61
				Total Quantity	18.61
					SQM
27	<p>Providing fixing metacoloour, epoxy coating, to match G.I sheeting of 22BWG (1mm) over the ridge ,hip or valleyfor meta colour corrugated epoxy sheet roofign including fastening with galvanised iron screw and bolt and lead and bitumen washer etc. complete.</p>				

28	Providing & fixing Turbo Ventilator of 24 inches throat doiameter of alluminium and of approved make including fixing on dome manufactured from same material used for roofing all necessary fittings etc Complete (Prior approval of sample and brand by Engineer in charge is necessary before use) As direced by Engineer - in - charge	4	Nos	4
29	Providng & fixing M.S. Channel ISMC 150 X 75 milimeters thick with weight @ 16.80 kilogram / running meter with 20 mili meter diamete & 0.50 meter long bolts & nuts & 1.00 meter center to center M.S. angles for stand of fire bucket including chain fixing in wall applying three coats of oil paints etc complete	365	kg	365