

## Workshop for machines

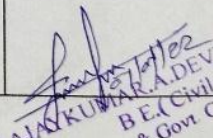
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Industrial Shed Estimation Prepared By Using PWD DSR 2016  
 Owner Name- Avinash Gavali Site Place- Mangalvedha Dist-Solapur  
 Company Name- Shree Construction Mangalvedha (A.A.Devkar)  
 Place-Sant Khanopatra Shopping Center Shop No-11 Mangalvedha 413305

SR.NO	PORTION	ITEM NAME	DESCRIPTION	UNIT	QUANTITY	RATE/UNIT	AMMOUNT	TOTAL
1	BASE	EXCAVATION	Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 meters 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 from 1.5m to 3.0m) By Manual Means	CUBIC M	110	520	57200	<u>109981</u>
2		SOLLING	Providing and laying in situ cement concrete M 10 of trap / granite / quartzite / gneiss metal for foundation and bedding including dewatering, form work, compacting, roughening them if special finish is to be provided, finishing if required and curing with fully automatic microprocessor based PLC with SCADA enabled concrete Batch mix plant (Pan mixer) etc. complete.	CUBIC M	0	1600	0	
3		Plain Cement Concrete (PCC)	Providing and casting in situ cement concrete in M15 of trap/ granite/quartzite/gneiss metal for steps including steel centering, plywood/steel formwork, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:6 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 ... With natural sand		12.39	4260	52781	

  
 05/10/2022  
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 Consulting Engineer & Govt Contractor

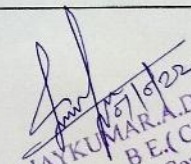
4	MIDDLE	Reinforced Cement Concrete(RCC)	Providing and laying in situ cement concrete M20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. etc. complete. With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer . With natural sand.	CUBIC M	29.45	5798	170751
5		PLITH FILLING	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and compaction etc. complete. Spec. No. : Bd.A. 11/Page No. 263	CUBIC M	168.47	426	71768
6		M.S STEEL COLUMN	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed designs and drawing including fixing in position without connecting plates, braces etc. and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete. Spec. No.: Bd.C.2 Page No. 275	CUBIC M	0.654	58900	38525
7		TRUSS & PURLINS	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 two coats of oil painting etc. complete	CUBIC M	2.49	67000	166830
							447874

  
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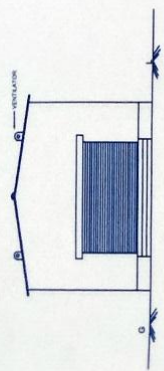
8	TOP	M.S SHUTTER	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9mm with lock plate of 3.15 mm thickness reinforced with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less 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.	UNIT	1	42600	42600	
9		VENTILATOR	Providing & fixing in position steel ventilators fully glazed with shutter ( box hinges) 6 mm square mesh 18 swg to be fixed by 19mmx3mm M.S. flat & 12mm Sq Bars in vertical position @10 cm C/C fixed to frame from outside.	SQ.M	22.46	2297	51590	
10		WINDOW GRILL	Providing & fixing mild steel grill work for windows ventilators etc. 20kg/sqm as per drawing including fixtures, necessary welding & painting with one coat of anticorrosive paint & two coats of oil painting complete.	SQ.M	22.46	1397	31376	
11		ROOFING	Providing and fixing frame work of galvanised iron for suspended false ceiling which includes galvanised iron perimeter channels of size 27 mm & 0.5 mm thick having one flange of 20 mm and another of 30 mm along with perimeter of the ceiling, fixing in brick wall / partition with the help of rawal plugs and screws, suspending galvanised iron intermediate channels of size 45 mm and 0.9 mm thick with two flanges of 15 mm each from the soffit at 1200 mm centers with steel galvanised iron hanger of width 25 mm x 0.5 mm fasteners, ceiling section of 0.5 mm thickness having curved wedge of 51.5 mm and two flanges of 26 mm each with lips of 10.5 mm fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450 mm centers, 12.5 mm dry walls	SQ.M	196.45	493	96850	
							222416	

  
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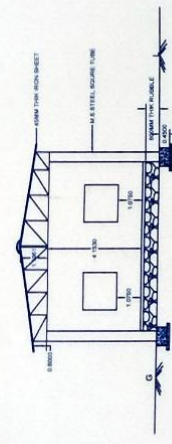
12	RAFT	Providing and laying in situ cement concrete M-25 of trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) complete, With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer. With Crushed sand.	CUBIC M	42.5	4360	227800	<u>227800</u>
TOTAL		BASE+MIDDLE+TOP+RAFT	RUPEE	109981+447874+222416+227800= 1008071			
1	ELECTRIFICATION	5% Of Toatal Cost Building	RUPEE	1008071x(5/100)			<u>50404</u>
<b>TOTAL ESTIMATED COST OF BUILDING</b>				<b>1008071+50404=10,58,475/-</b> <b>TEN LACK FIFTY EIGHT THAOUSAND FOUR HUNDRADE AND SEVENTY FIVE RUPEES ONLY(INCLUDING 18% GST)</b>			

  
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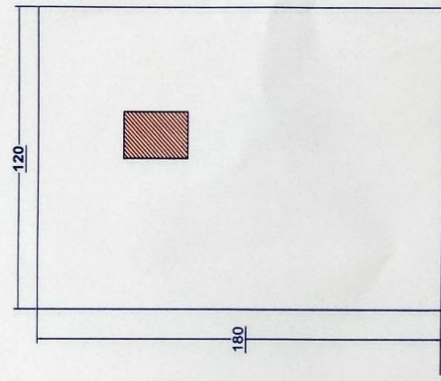
Stamps of Approval of plan



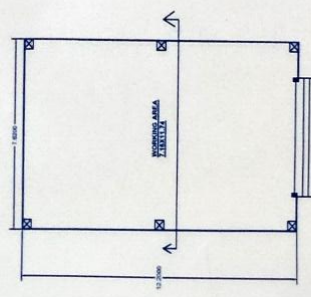
ELEVATION SCALE 1:100



SECTION SCALE 1:100

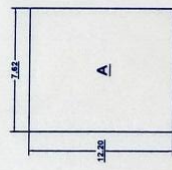


SITE PLAN SCALE 1:1000



GROUND FLOOR PLAN SCALE 1:100

SCHEDULE OF OPENING					
DOOR	SIZE	No of Use	WINDOW	SIZE	No of Use
S	4.5x2.5	1	W	1.5x1.75	6
D1	1.5x3.5	0	W1	0.9x1.2	0
d	0.75x2.1	0	W2	1.5x1.2	0
O	1.2x2.1	0	Ventilator	0.6x0.75	0



GROUND FLOOR BUILT UP AREA  
A= 7.86x12.28=92.964SQ.FT  
TOTAL GROUND FLOOR BUILT UP  
AREA- 92.964SQ.FT

TOTAL AREA- 20 R  
TOTAL PROPOSED EDIBLE PLANT BUILT UP AREA-192.786SQ.FT

TOTAL AREA- 20 R  
TOTAL PROPOSED SHED BUILT UP AREA-92.964SQ.FT

**A. AREA STATEMENT**

1. SITE FOR PROPOSED PROPOSED/USE (SQUARED)	2.5628
2. PROPOSED COMMERCIAL USE AREA	2.5628
3. PROPOSED RESIDENTIAL AREA	0.0000
4. PROPOSED ROAD	0.0000
5. PROPOSED OPEN SPACE	0.0000
6. PROPOSED PLANT AREA	0.0000
7. PROPOSED WATER BODY	0.0000
8. PROPOSED OTHER AREA	0.0000
9. TOTAL AREA (1-8)	2.5628
10. TOTAL AREA (1-9)	2.5628
11. TOTAL AREA (1-10)	2.5628
12. TOTAL AREA (1-11)	2.5628
13. TOTAL AREA (1-12)	2.5628
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19. TOTAL AREA (1-18)	2.5628
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98. TOTAL AREA (1-97)	2.5628
99. TOTAL AREA (1-98)	2.5628
100. TOTAL AREA (1-99)	2.5628
101. TOTAL AREA (1-100)	2.5628

**CERTIFICATE OF AREA**

CERTIFIED THAT THE PLANT UNDER REFERENCE HAS BEEN MEASURED BY ME - P. J. 1985 AND THE MEASUREMENTS OF AREAS AND PERIMETERS ARE CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I HAVE NOTED THAT THE PLANT IS NOT SUBJECT TO ANY OTHER MEASUREMENTS OR SURVEYS.

**DESCRIPTION OF PROJECT**

NAME OF PROJECT: ...  
ADDRESS OF PROJECT: ...  
OWNER: ...  
DATE: ...

NAME OF ARCHITECT: ...  
ADDRESS OF ARCHITECT: ...  
DATE: ...

NAME OF ENGINEER: ...  
ADDRESS OF ENGINEER: ...  
DATE: ...

SHRIRAM SIVARAMAN  
Consulting Engineer & Govt. Certified

