

PROJECT : CONSTRUCTION OF ISOLATION SHED AT G.NO 314 TILEKARWADI

OWNER : BAIF DEVELOPMENT RESEARCH FOUNDATION

SCHEDULE OF QUANTITIES AND RATES

* SUMMARY STATEMENT :-			
(A) EXCAVATION, FILLING AND SOLING	- - -		RS.
(B) CEMENT CONCRETE (PLAIN & REINFORCED)	- - -		RS.
(C) MASONRY WORK (STONE AND BRICK)	- - -		RS.
(D) PLASTERING AND FINISHING	- - -		RS.
(E) FLOORING, SKIRTING AND DADO	- - -		RS.
(F) DOORS, WINDOWS AND VENTILATORS	- - -		RS.
(G) MISCELLANEOUS ITEMS	- - -		RS.
(H) SANITARY & DRAINAGE WORKS	- - -		RS.
(J) STRUCTURAL STEEL WORK & ROOFING	- - -		RS.
(K) PAINTING WORKS	- - -		RS.
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* GRAND TOTAL FROM (Z) TO (K)	- - -		RS.
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* ADD SERVICE TAX	%		RS
* TOTAL WITH S TAX			RS
* ADD VAT	%		RS
* TOTAL WITH TAXES -			RS.
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Signature of contractor with seal

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
(A) EXCAVATION, FILLING AND SOLING					
A-1b	EXCAVATION FOR FOUNDATION in all types of soil, including refilling around foundations & in plinth with selected excavated earth in 200 mm thick layers, watering, consolidating etc. & disposing off surplus earth by spreading at site as directed, complete.		87.00	M3	
A-2a	Providing and FILLING MURRUM brought from outside / excavated stuff in plinth / elsewhere, rolled to 200 mm thick using 10 ton roller or vibratory roller to achieve 98% of proctor Density including cost & conveyance of all materials & labour, watering, consolidating, finishing to desired levels complete.				
a)	Brought From Outside		113.00	M3	
A-3a	Providing and laying DRY TRAP RUBBLE SOLING 200 mm thick, all interstices filled in, thoroughly consolidated and rammed complete.		52.00	M3	
(A) EXCAVATION, FILLING AND SOLING					
				TOTAL	RS.
(B) CEMENT CONCRETE (PLAIN & REINFORCED)					
B-2	Providing and laying PLAIN CEMENT CONCRETE M-10 (1:3:6 nominal mix by volume) in foundation and elsewhere, using trap metal max. 40 mm size, including formwork, if any, consolidating, finishing and curing complete.		9.99	M3	

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
B-3	Providing and laying PLAIN CEMENT CONCRETE M-20 in bed-blocks, coping, and elsewhere, using trap metal max. 40 mm size, including formwork, if any, consolidating, finishing and curing complete.	34.11		M3	
c)	IN BEAMS supported and/or cantilevered at all levels using 20 mm max. size downgraded trap metal (measurements to be between columns and below slabs).	0.93		M3	
B-6	Providing, cutting, bending, hooking, binding, placing in position STEEL REINFORCEMENT for all R.C.C. work at all levels, with chairs, supports etc. to provide proper cover complete. (binding wire not to be weighed for payment).				
a)	Tor Steel Bars as per Structural details.	0.10		M.T.	
(B) CEMENT CONCRETE (PLAIN & REINFORCED)			TOTAL	RS.	
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(C) MASONRY WORK (STONE AND BRICK)					
C-1	Providing and constructing UNCOURSED RUBBLE MASONRY of trap stone in C.M. (1:6) in foundation and plinth including headers, through-stones, corners, with raking of joints on exposed surfaces, curing etc. complete.	111.12		M3	

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
C-2	Providing and constructing BURNT BRICK MASONRY WALLS (230 mm thick wall) in plinth & superstructure at all levels, in C.M. (1:5) in II Class bricks, including raking of joints on exposed surfaces, curing, scaffolding complete. For Manger		32.85	M3	
(C) MASONRY WORK (STONE AND BRICK)			- TOTAL	RS.	
(D) PLASTERING AND FINISHING					
D-2	Providing & applying NEERU FINISHED SMOOTH CEMENT PLASTER INTERNALLY TO WALLS brick or concrete surfaces in (1:4) c.m. 12 mm to 20 mm thickness, perfectly smooth and even, including scaffolding, hacking of concrete surfaces, curing and one coat of lime wash complete.		87.72	M2	
D-3	Providing & applying SAND FACED CEMENT PLASTER EXTERNALLY av. 20 mm thick to brick or concrete surfaces in (1:4) C.M. finished with sponges, including hacking of concrete surfaces, scaffolding, curing complete.		149.48	M2	
D-7	Pointing ti UCR sunk pointing		425.78	M2	
(D) PLASTERING AND FINISHING			TOTAL	RS.	
(E) FLOORING, SKIRTING AND DADO					
E-6c	Providing & fixing DOOR JAMBS in two pieces, 250 mm wide, 20 / 30 mm thick set in cement with chamfered edge polish, even thickness, curing as per drawing complete.				

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
e)	POLISHED GRANITE		1.80	M2	
E-17a	Providing, laying Ceramic of approved quality with necessary dressing set in CEMENT on 30 mm cement mortar bedding, set to proper levels, curing complete.				
a)	FOR FLOORING (300 * 300)		9.00	M2	
b)	FOR SKIRTING & DADO (100 mm high)		1.20	M2	
(E) FLOORING, SKIRTING AND DADO			TOTAL	RS.	
(F) DOORS, WINDOWS AND VENTILATORS					

F-3 Providing & fixing DOOR SHUTTERS with heavy type

iron brass hinges

- d) Solid-cored flush shutters 38 mm thick, 1 mm thick laminate sheets glued to both sides with 10 mm thick teak wood lipping on all sides including brass C.P.

Fixtures -

- Mortice latch (Godrej or equivalent) (1 No.)

- 300 mm aldrops (1 No.)

- 200 mm tower bolts (2 Nos.)

- 200 mm plate handles (2 Nos.)

- 200 mm tadi patti (1 No.)

including polishing or painting to t.w. lipping complete.

2.16

M2

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
F-9	<p>Providing & fixing in position POWDER COATED ALUMINIUM WINDOWS with glazed sliding shutters with transparent FLOAT GLASS 5 mm thick panels, properly fitting to window shutters with necessary rubber beading and approved locking arrangement, all work to be in absolute plumb, line & level to ensure smooth sliding operation.</p> <p>For Two Track</p> <p>For frame</p> <ul style="list-style-type: none"> * bottom w.t. 1.055 Kg/M. * Side & Top w.t. 0.659 Kg/M. <p>For Shutters</p> <ul style="list-style-type: none"> * Top & Bottom w.t. 0.547 Kg/M. * Inter locking section w.t. 0.607 Kg/M. * Handle section w.t. 0.547 Kg/M. 				
			2.25	M2	
F-15	<p>Providing, fabricating & fixing in position, M. S. GRILL as per drawing with one coat of red-oxide primer & two coats of enamel paint (ICI-Dulux or equivalent) complete.</p> <p>a) Out of 40 * 40, 25 * 25 M.S. angle framing with (20 * 6) (12 * 6) (10 * 10) (6 * 6) sections (Steel approx. 25 kg. Per Sq.M.)</p>				
			2.25	M2	
F-18	R1 TYPE RAILING for Manger		43.66	RM	

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
F-25	Providing & erecting in position M. S. GATE 1200 mm wide and 1800 mm high, in as per design including strong iron hinges, M.S. girder at two ends, fixed in concrete foundation blocks and curing with necessary synthetic enamel paint three coats complete.	23.04		M2	
(F) DOORS, WINDOWS AND VENTILATORS		TOTAL		RS.	
(G) MISCELLANEOUS ITEMS					
G1	Providing & constructing open gutter 100 x 100 in concrete including proper slope & finishing as directed	61.00		RM	
G-12	Water Manger: Providing & fixing half circular Hume pipe (60mm dia & 2.4m long) with 3 supports of brick pillar, including plaster at side to cover as per drawing complete.	4.00		NO	
(G) MISCELLANEOUS ITEMS		TOTAL		RS.	
(H) SANITARY & DRAINAGE WORKS					

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
H-7	Providing & constructing brick masonry INSPECTION CHAMBERS upto 900 mm / 1500 mm / 1800 mm depth in 230 mm thick brick masonry in c.m. (1:5) cement plastering inside and outside faces with neat cement rendering to internal surfaces, haunches, channels, including C.I. medium duty frame and cover (76 Kg. by weight) fixed in cement concrete 1:2:4 & 3 coats of bituminous paint to frame and cover including excavation and refilling complete.				
a)	SIZE :600 mm *450 mm upto 900 mm depth		5.00	No.	
H-9b	Providing, laying & jointing best quality R.C.C. HUME PIPE with all specials below ground at all depth including cutting, jointing with hump yarn, and cement mortar (1:1) and testing and including excavation and refilling complete.				
a)	150 mm dia		60.00	R.M.	
H-10	Providing & fixing in position & jointing HEAVY TYPE PIPES with all specials including clamps & making holes in walls and floors, testing to joints rectifying of leakage etc. complete.				
c)	P.V.C. 100 mm rain water pipe		25.00	R.M.	
H-11	Providing, laying, jointing, fixing & testing 'UPVC. WATER SUPPLY PIPES with all specials including fixing them in walls or under floors and making them good and rectifying of leakages etc. complete.				

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
a)	U.P.V.C. 40 mm	60.00		R.M.	
H-13 Providing & fixing approved type of heavy quality Patti VALVE complete.					
b)	40 mm dia. Pattil Valve	4.00		No.	
H-18b Providing & installing " SYNTEX " Water storage Tank of1500Ltrs. Capacity over bk. Platform with necessary inlet-outlets, wash-out, ball cocks and overflow pipes, connections, and including man-holes cover, complete.					
		1500.00		Litrs	
(H) SANITARY & DRAINAGE WORKS			TOTAL	RS.	

(J) STRUCTURAL STEEL-WORK & ROOFING

NOTE : For all structural steel, weights shall be as per standard I.S.I. Hand-book for actual lengths of members used in the works.

J-1 Providing, fabricating, transporting to site, erecting & fixing in position at all heights in line, level & plumb, welded & bolted structural steel work for roof trusses, purlins, rafters, bracings, monitor frames, runners etc. including base plates, holding-down bolts, anchor bolts, connection bolts, splice plates etc. including one shop - coat of red oxide best quality primer.

Note : No extra payment of weights of welding, site connection bolts, washers, nuts. The rate quoted for this item shall include costs of these.

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
a)	Structural steel to include ISMB, ISMC, Angles, Sq.Tubes, round tubes etc. as per structural design.	4.89		M.T.	
J-2b	Providing, transporting to site & cutting, placing in position & fixing PRECOATED SHEETS, 0.5 mm thick, in roof & on sides cladding, fixed with G.I. 'J' or 'L' bolts nuts and bituminous & G.I. Washers with standard laps to steel purlins or runners, including drilling holes etc. complete.	368.00		M2	
J-3b	Providing, transporting to the site & fixing PRE-COATED M. S. RIDGES of approved colour (corrugated) in pairs on roof fixed with G.I. Bolts, nuts, bituminous and G.I. Washers, seam bolts etc., with standard laps, B708.	26.00		R.M.	
J-13b	Providing & Fixing Foundation Bolt 6 to 10 bolt per column upto 20 mm dia & upto 1000 mm length as per structural Designer requirement etc. complete.	12.00		Per Set	
J-7	Providing & fixing G.I. CHAIN-LINK 50 * 50 grid of gauge nailed to M.S. angle framing, including 12 mm dia. M.S. bar at top and bottom welded to framing and chain-link complete. ON back side wall	77.00		M2	
J-9b	Providing & fixing 50 * 50 * 6 M. S. ANGLES to be in cement concrete blocks & necessary holes for fixing chain-link / barbed wire, with one coat of red oxide primer and two coats of synthetic enamel paint as per drawing complete. BIO	0.50		M.T.	
(J) STRUCTURAL STEEL-WORK & ROOFING		TOTAL		RS.	
(K) PAINTING WORKS					

NO.	DESCRIPTION OF WORK	Total Quantity	RATE	UNIT	AMOUNT
K-3	OIL - BOUND DISTEMPER Providing & applying to ceilings and walls, ' Tractor ' . Asian Paints or equivalent with one coat of cement primer approved quality surface preparation by using zero no. sand paper, full puttying in two coats to give very smooth surface & three coats of distemper - approved shade, using special brushes, clean, well-finished without brush marks. (Measurements actual surface area).	88.00		M2	
K-5b	SYNTHETIC ENAMEL PAINT Providing & applying to structural steel surfaces, etc., or ICI-Dulux or equivalent cleaning to all structural steel surfaces, one coat of approved primer (ICI) & two coats of paint, including scaffolding if necessary, cleaning and preparing the surface complete.	5.00		M.T.	
		5.00			
K-7	CEMENT PAINT Providing & applying to external sand faced plastered or other surfaces 'Snowcem', 'Nitcocem' or other approved make cleaning and curing with water before first coat total two coats of paint applied by brush, full curing after first as well as second coat, till the paint is fully set, with clean, even & without brush marks finish. (Measurements actual surface area).	149.00		M2	
(K) PAINTING WORKS			TOTAL	RS.	