

**ABSTRACT OF COST OF "PROPOSED WORK SHED" FOR  
HASTAKALA SHILPA CLUSTER". MIRZA**

Sl. No.	Description	Amount
1	Total Cost of Civil works	
2	Total Cost of internal electrification	
	Total	

**CIVIL  
WORKS**

SL. NO.	APWD SOR NO.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE (in Rs./unit)	Amount (Rs.)
<b>1</b>		<b>EARTHWORK</b>				
1.01		Earthwork in excavation for foundation trenches of walls, retaining walls, footing of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.				
	1.1	<ul style="list-style-type: none"> <li>• Up to a depth of 2.00m below the existing ground level</li> <li>• In ordinary soil</li> </ul>	Cum	3.563		
1.02	1.3	Earth/sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary.				
		With river sand or silt (predominantly				

2.01	2.1.1	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).				
		(a). In prop. 1:3: 6 (1 cement:3 coarse sand : 6 coarse agg. by volume (using mixture machine)	Cum	2.578		
<b>3</b>		<b>REINFORCED CEMENT CONCRETE WORKS</b>				
	2.2.1	Providing and laying plain/reinforced cement concrete works in prop 1:1.5:3 (1 cement :1.5 coarse sand :3 graded stone chips, 20mm down) including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement				
		for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) <b>(i)In substructure up to plinth level</b>				
3.01	A)	Foundation, footing, column with base, tie and plinth beam, grade beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick.	Cum	3.012		
3.02	2.2.1	B) Super-structure from plinth level upto 1st floor level. ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing ) including preparing the top surface and finishing of nosing.b) M20 or Prop. 1:1.5:3	Cum	2.163		
4		<b>ANTI-TERMITE TREATMENT</b>				

	26.1.1	Pre construction anti-termite treatment with aqueous emulsion having concentration 1:19 with chloropirophose solution (trichel or equivalent) and water. This provides emulsion containing 1% chloropirophose solution (by weight)- at the bottom of foundation pits and walls on either side up to a height of 300mm from bottom of the excavation made for column, plinth beam, wall, trenches etc. by applying the emulsion @ 5 liters per square meter of the surface area before starting construction work (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete.				
4.01		b) with aqueous emulsion having concentration 1:499 with Premise 350 SC (imidachlopid 30.5% SC) and water i.e.0.07% solution	sqm	4.000		
4.02	26.1.2	Pre construction anti-termite treatment by applying the emulsion @ 5 (five) litres per square meter of the surface to be spread with light rodding so as to ensure proper absorption by the filled up earth (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete.				
		b) with aqueous emulsion having concentration 1:499 with Premise 350 SC (imidachlopid 30.5% SC) and water i.e.0.07% solution	sqm	30.38		
4.03	2.1.3	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 100mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacture including curing etc. complete as directed.	Sq.m	5.63		
6		<b>SHUTTERING</b>				
	3.1.1	Providing form work of ordinary timber planking so as to give a rough finish including centering, shattering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in situ reinforced concrete plain concrete work in:				

6.01	3.1.1.1.	Foundation, footings, base of columns, pile cap, raft and mass concrete works etc.	sqm	2.400		
6.02	3.1.1.2	Sides of tie beams, plinth beams, grade beams etc. at or below plinth level. Using 25mm thick plank	sqm	11.250		
6.03	3.1.1.3	Columns, pillars, posts & strutSquare, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical faceUsing 25mm thick plank	sqm	22.080		
6.04	3.1.1.4	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties. (a) For depth not exceeding 1.0M. Using 25mm thick plank	sqm	6.750		
<b>7</b>		<b>BRICKWORK</b>				
7.01	4.1.1(a)	Providing brick soling in foundation and under floor with stone/best quality picked jhama brick, sand packed and laid to level and panel after preparing the sub-grade as directed including all labour and materials and if necessary dewatering, complete.				
		Brick on flat soling.	Sq.m	34.375		
7.02	4.1.4	Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level. (b). In proportion 1:5	cum	1.688		
7.03	4.1.8	112 mm thick 1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately)				
		a) In cement mortar in proproation 1:4 (1 cement : 4 sand)				
		(i) In super structure up to 1st floor level	Sq.m	47.16		
<b>8</b>		<b>PLASTERING</b>				

8.01	6.2.2	15 mm thick Cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm in girth and finished even and smooth including curing complete as directed. (a). In cement mortar in proportion 1:4.(1 cement:34 sand)	Sq.m	56.59		
8.02	6.2.3	15 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. (a). In cement mortar in proportion 1:3.(1 cement:3 sand)	Sq.m	56.59		
<b>8.03</b>	18.1.1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete (up to 1st floor level).	QT	5.80		
9		<b>Floor finish</b>				
9.01	5.1.4	40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of	Sq.m.	30.38		
		size 10mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.				
<b>10</b>		<b>PAINTING</b>				

10.01	13.3.5	Providing two coats of J.K Wall Putty ( White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm)	Sq.m	113		
10.02	13.2.3	Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sq.m	113		
10.03	13.4.7	Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.				
		(a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sq.m	113		
10.04	13.6.3	Applying priming coat over new wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter , sand papering and knotting. (b). With ready mixed paint , wood primer (white).	Sq.m	6.89		
10.05	13.6.5	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt,dust and other foreign matter sand papering and slopping.i) Surfaces over 100mm in width or girth.a)General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	Sq.m	6.89		

<b>11</b>		<b>DOORS/ WINDOWS &amp; FITTING</b>				
11.01	9.12.1	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidized iron butt hinges (100mm× 75mm× 3.5mm) 6 nos. with necessary wood screws.				
		a) Decorative type face panel and block board core.				
		(ii) 35mm thick.	Sq.m	2.52		
11.02	9.1.2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. a). (c). With Bonsum/Sundi wood	cum	0.055		
11.03	18.5.1	a) Providing , fitting & fixing steel windows and ventilators of standard sections of approved brand .	sq.m.	22.68		
<b>12</b>		<b>RAILING &amp; grill</b>				
12.01	10.2	Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ opening with M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws.				
		II. Ornamental grill. C) fixed to brick work /P.C.C/R.C.C.	KG	136.08		
<b>13</b>		<b>DOORS/ WINDOWS &amp; FITTING</b>				
13.01	15.3	Supplying, fitting, fixing brass fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary c.p. brass screws etc. complete.( bright natural matt & satin finished ).				
		b) Tower bolts i) 300mm x 10mm	NO	2		
		c) Door handles (iii)150 mm	NO	2		
<b>14</b>		<b>TRUSS</b>				

14.01	18.3.1	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated out of M.S. black-tubes conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed. b) Using other ISI marked approved circular hollow section	Qtl	4.8		
<b>15</b>		<b>ROOF</b>				
15.01	8.1.1	Providing corrugated galvenised iron sheet roofing TATA SHAKTEE/SAIL/DYNA including fitting and fixing necessary galvanised J or I hooks, bolts and nuts of 8mm dia. With bitumen washer 25 mm dia x3mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlins etc. (a) 0.45 mm thick	sq.m	75.35		
15.02		Providing coloured corrugated galvenised iron (TATA SHAKTEE/SAIL/DYNA) ridging including supplying and fixing necessary galvanised screws/ washer etc. complete as specified and directed. (a) 150 mm lapping	rm	17.100		

<b>Electrical Estimates</b>						
<b>ELECTRIFICATION WORKS</b>						
<b>PWD SOR NO. 2013</b>		<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>RATE</b>	<b>QNTY</b>	<b>AMOUNT</b>



SB.2.17		Wiring for light/ fan/ call bell point with 3x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable HFFR/ZHFR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 2 mm thick 20mm dia rigid low halogen SFT PVC IS: 9537 Part - III conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) including ceiling rose etc. complete				
	SB.2.17.1	Short point up to 3.00 metre. Length.	Each		8	

SB.2.6		Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial (Multistrand) cable HFFR/ZHFR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco or Equivalent Make as approved by the Deptt.) cable in surface/ recessed PVC 2 mm thick rigid low halogen SFT PVC IS: 9537 Part - III conduit (Berlia/ AKG/ Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system.				
	SB.2.6.2	With 3 x 1.5 sq. mm. cable in 20 mm dia. rigid low halogen SFT PVC IS: 9537 Part - III conduit	Metre.		15	

SB.2.7		Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable HFFR/ZHFR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel/Nicco or Equivalent Make as approved by the Deptt.) in PVC conduit (Berlia/ AKG/ Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) with earth continuity in surface/ recessed 2 mm thick rigid low halogen SFT PVC IS: 9537 Part - III conduit wiring system.				
	SB.2.7.1	(a) with 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in 20 mm. dia. rigid low halogen SFT PVCIS: 9537 Part - III conduit.	Metre.		16	
	SB.2.7.2	b) with 2 x 4 sq. mm. + earth continuity with 1x2.5 sq. mm. in 20 mm. dia. rigid low halogen SFT PVCIS: 9537 Part - III conduit	Metre.		13	

SB. 8.34		Supplying including and fixing of following Metal boxes for MODEL RANGE LEGRAND (MYRIUS), ANCHOR (VIOLA), MK (WRAPAROUND/ PLUS), ABB (CHEIRON), KOLORS (KREST), SCHNEIDER (VIVACE), CRABTREE in surface/ recessed system complete as per direction of department.				
	SB. 8.34.1	1-2 module type Metal	Each		1	
	SB. 8.34.2	3 module type Metal	Each		1	
	SB. 8.34.3	4-5 module type Metal	Each		1	
SB. 8.37		Supplying including fitting fixing of following front plate of suitable colour MODEL RANGE LEGRAND (MYRIUS), ANCHOR (VIOLA), MK (WRAPAROUND/ PLUS), ABB (CHEIRON), KOLORS (KREST), SCHNEIDER (VIVACE), CRABTREE as per direction of department.				

	SB. 8.37.1	1 module	Each		1	
	SB. 8.37.2	2 module	Each		1	
	SB. 8.37.3	3 module	Each		1	
SB. 8.52		Supplying including installation of socket outlet 6/16 Amps 3/5 pin combine shuttered complete , MODEL RANGE LEGRAND (MYLINC), ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS (KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells including making necessary connection as per direction of department.	Each		2	
SB. 8.54		Supplying including installation of socket outlet 6 Amps 3 pin combine shuttered complete , MODEL RANGE LEGRAND (MYLINC), ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS (KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells including making necessary connection as per direction of department.	Each		2	
SB. 8.55		Supplying with fitting fixing of 16 amp one way modular clip in switch, MODEL RANGE LEGRAND (MYLINC), ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS (KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells including making necessary connection as per direction of department.	Each		2	
SB. 8.57		Supplying with fitting fixing of 6 amp one way modular clip in switch, MODEL RANGE LEGRAND (MYLINC), ANCHOR (ROMA), MK (IVORY), ABB (CLASSIC), KOLORS (KRAZE), SCHNEIDER (OPAL), PHILIPS, Havells including making necessary connection as per direction of department.	Each		5	

15.26		Supplying with fitting and fixing MCCB income and MCB outgoing sheet steel, phosphatised, powder painted double door IP-43 surface mounting vertical TPN MCB DB incorporated with bas-bar up to 250A, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and directed by the deptt.				
	15.26.1	(C&S, Havells, Indo Asian, HPL, V-Guard or equivalent make as approved by the Deptt.)				
	15.26.1.1	4 way TPN (4+12) double door	Each		1	

24.10		Supplying including fitting and fixing of the following CFL lamp Twister/Tornado/Mbianle/Essential/Genie etc. complete as directed and specified by the deptt. (Philips or equivalent)				
	24.10.13	Essential HPF 23 W WW E-27-220-240 V ICT/12	Each		2	
6.1		Supply and fixing of 19 mm dia 1.50mm to 2.00mm average wall thickness heavy rigid PVCIS: 9537 Part - III conduit (Berlia/AKG/Precision/Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) on surface system including painting etc as required:	Metre		5	
6.2		Supply and fixing of 25 mm dia 1.50mm to 2.00mm average wall thickness heavy rigid PVCIS: 9537 Part - III conduit (Berlia/AKG/Precision/Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) on surface system including painting etc as required:	Metre		3	

	ECBC 1.1	Supplying including fitting fixing of following star rated A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection cable, as approved by the Deptt.setc. as required complete and as directed by the Department [Without regulator]. (ORIENT PSPO make / Usha make/ CROMPTON make/ Havells/ ATC/ V GAURD make)				
	ECBC 1.1.1	Energy efficient 5-star 54" sweep. ORIENT PSPO / Usha / CROMPTON / Havells/ ATC or equivalent make	Each		2.00	
		<b>TOTAL AMOUNT</b>				