

**Part-VI : Construction of Community centres, 5 nos. in katchi basties at PINDWARA, District Sirohi,(Raj.)**

**Abstract of B.O.Q FOR Construction of one Community centre in katchi basti at PINDWARA,Rajasthan**

**Based on PWD BSR 2009 Sirohi Circle**

**Part -i, ( Building work)**

S.No.	BSR No.	DESCRIPTIONS	UNIT	QTY.	RATE	AMOUNT
1	1.8	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1,5 Mtr. Including taking out the excavated soil and deposition and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as derected with in a lead of 50 merer. All kinds of soil.	Cum	102.50	102	10454.59
2	3.2.8	Providing and laying in position cement concete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering- All work up to plinth level. 1:5:10 (1 cement : 5 coarse : 10 graded stone aggregate 40mm nominal size.) aggregate crusher broken	Cum	31.50	1501	47280.29
3a	6.1.7	Random Rubble masonry for foundation and plinth in Cement Sand mortar above 30 CM thick wall in Cement Mortar 1:6 (1-Cement :6-Sand).	Cum	67.80	1438	97496.40
b		Random Rubble masonry for foundation and plinth in Cement Sand mortar for 30 CM thick and below wall in Cement Mortar 1:6 (1-Cement :6-Sand).	Cum	2.88	1082	3118.42
4	1.33	Filling in plinth with locally available river shingle under floors including watering ramming consolidating and dressing complete including cost of shingle sand.	cum	65.00	358	23270.00
5	4.11	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundations in basements rafts, footings, strap beams, bases of	Sqm	27.00	75	2025.00

6	4.1.2	Providing and laying cement concrete in R.C.C. work in foundations, rafts footings, strap beam, bases of columns etc. including curing, compaction, finishing with rendering in cement sand Mortar 1 : 3 (1 cement : 3 coarse sand) and making good the joints, excluding cost of centering and shuttering and reinforcement. 1:1.5:3 (1cement 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	5.00	2775	13875.00
7	5.1.7	Brick masonry in cement mortar 1:6 for super structure with bricks of class designation 75	cum	60.00	1739	104340.00
8		Centering and shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for super structure up to 4.5 m above plinth for Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam etc.				0.00
a.	4.12.3	Column pillars posts and struts etc.	Sqm	166.00	157	26062.00
9	4.3.1	Reinforced cement concrete work in beams, suspended floors, roofs, girders having slopes up to 15,landings balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement :3 coarse sand) and making good and joints excluding the cost of centering, shuttering and reinforcement with 1:1:5:3 (1 cement :1.5 coarse sand :3 graded stone aggregate 20mm nominal size)	Cum	32.00	2946	94272.00
10	4.13.2	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor three level. Cold twisted deformed bars(IS:1786).	kg	2760.00	44	121440.00

11	9.13	Providing and fixing T - iron frames for doors, windows and ventilators of mild steel TEE- sections, joints mitered and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws of rawl plugs and screws or with fixing clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	kg	300.00	50	15000.00
12	9.26.3	Providing and fixing M.S. sheet single leaf door shutter in angle iron frame 35x35x5mm suitably diagonally braced with 25x3mm beading extra including all fittings, as per direction of Engg. Incharge but excluding cost of chowkhats: including two coats of anti corrosive red oxide primer paint M.S.	sqm	8.50	990	8415.00
13		Providing and fixing fully paneled double leaf shutter for doors as per approved design and drawings with approved ordinary C. P. /oxidized steel fittings as per Annexure -A and width of styles & top rails of 100 mm and lock rails width of 150 mm and bottom rails of 200 mm width including teak wood beading of size 19mm x 12 mm on both faces complete.30 mm thick shesham wood grade - I ,12 mm thick shuttering ply (both) aces panels				0.00
a.	8.6.2 (c)	Doors	Sqm	13.66	1640	22405.20
		Providing and fixing fully paneled double leaf shutter for windows & ventilators as per approved steel fittings as per Annexure -A and width of styles,bottom & top rails of 75 mm including beading of size 25mm x 15 mm on both faces complete,30 mm thick shesham wood,12 mm thick board panels .				0.00
b.	8.12 (c)	Windows & Ventilators	Sqm	10.78	1587	17108.92
14a	12.9.3	Plaster on new surface on wall in cement sand mortar 1:6 including racking of joints etc. complete fine finish: 12mm thick.	Sqm	584.60	57	33322.20
b	12.9.2	Plaster on new surface on wall in cement sand mortar 1:6 including racking of joints etc. complete fine finish: 20mm thick.	Sqm	48.60	74	3596.40

15	7.3(a)	Providing and fixing 1st quality standard White / Ivory Glazed Tiles ISI marked [IS:13753] of size 300mm x 200mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in white cement mixed with pigment to match the shade of tile complete (excluding the cost of cement plaster). Category-I : Bell, Thar make etc.Deduct 10% for second quality	Sqm	44.90	490	22001.00
16	11.35.1(A)	Polished Blue Kota Stone flooring skirting, laid over 20mm thick base of C.M. 1 : 4 and jointed with gray cement slurry to match the shade of the slab including rubbing and polishing complete :For area of each slab up to 900 Sq. Cm : 25 mm thick slab.	Sqm	111.10	425	47217.50
b	11.37.1	Polished blue kota stone slab in steps walls pillars having fine machine cut edges laid on 12 mm (Av.) thick cement mortar 1:3 and jointed with grey cement slurry mixed with pigment to match the shade of the	Sqm	8.00	430	3440.00
17		Providing and laying lime Dhar only 90 mm thick average on roofs on ground floor with 1:2:2:2 (1 lime putty :2 surkhi or sand : 2 old lime mortar powder : 2 stone grit 12 to 20mm) mix by volume with required quantities of Gur.Gugal, Methi, Hemp etc. properly compacted and smoothly finished in all respect (Jaipur Practice) as per specification.	Sqm	119.00	160	19040.00
18	12.47.1	Colour Washing of all shades to give an even shade including scaffolding new work (two or more coats with a base of white washing with lime)	Sqm	751.25	5.60	4207.00
19	12.68.1 +12.55.1	Painting with enamel paint of approved brand and manufacture in all shades to give an even shade two or more coats on new wood work & priming coat redimix pink or grey primer of approved brand & manufacture on wood work hard&soft wood	Sqm	55.20	48	2649.60
b.	12.56.1	Painting with redimix paint with of approved brand and manufacture to give an even shate new steel work( two or more coats).	Sqm	19.20	25	480.00

20	15.6	P & F Precast Cement concrete coping 1:2:4 50 mm thick complete as per specifications	Sqm	25.69	114	2928.66
21	10.8	Providing batta (gola) 75mm x 75mm in Cement Concrete 1:2:4 including finishing with Cement mortar 1:3 as per Standard design.	M	13.38	23	307.69
<b>Total of part -i ,( building work )</b>			Rs.			<b>745752.88</b>
<b>Part- ii , (Sanitary works)</b>						
<b>S.No.</b>		<b>Particulars</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	1.2.1	P/F Indian type W.C Size 530x410mm	Each	10	1201	12010
2	2.2.1	P & F 15 mm dia G.I. pipe (For external Work) A Class	RM	120	91	10920
3	2.7.2	P/F Bib Cock(IS:8931 mark) superior quality approved make PVC heavy duty 15 mm nominal bore	Each	10	51	510
4	2.8.1	P & F stop cock (IS:8931 mark) superior quality stop cock of approved quality make 15 mm nominal bore,400gm	Each	10	183	1830
5	3.16.3	P & F on wall face A.C. pipes (IS: 1626 part -I mark) of approved make with wooden plugs and M.S. clamps, jointing with spun yarn soaked in bitumen and C.M. 1:2 complete including making good the wall 100 mm dia	Mtr.	30	71	2130
6	3.17.3	P & F A.C. fittings (IS: 1626 part I mark) of approved quality / make with spun yarn socked in bitumen & CM 1:2 (a) Cowel 100 mm dia	Each	10	36	360
7		(B) Off set 100 mm dia	Each	10	50	500
8	3.26	Construction of Soakage well in all types of soil of approved drawing, top 90 cm portion in 450 mm thick masonry with CM 1:6, 80 MM thick stone slab covering, jointing of slab in CM 1:3, Ralthal, Kharanja 40 mm thick M -15 grade C.C. flooring, earth work etc. complete including disposal of surplus earth withthin a lead 50m.For iner dia 90cm and 10 to 12 m. deep.	Each	10	1800	18000



1	E020100	Wiring of lighth point/ fan point/ exhaust fan point/ call be point with 1.5 sq.mm. F.R. PVC insulated unsheathed flexible copper conductor 1.1 Kv. Grade and 1.5 sq. min. FR PVC insulated unsheathed flexible copper earth conductor 1.1 kv. Grade (IS:694) of approved make in surface /recessed. ISI marked medium duty PVC conduit and its accessories round titles. 18 SWG M.S. box with earth terminal screw less cage connectors for neutral looping in switch board and false ceiling point. 6A switch. 3.0 mm thick phenolic laminated sheet zinc plated/brass screws cup washers making connections testing etc. as required (group II)				
		Short point (up to 3 Mtr.)	each	32.00	171.00	5472
		Medium point (up to 6 Mtr.)	each	58.00	303.50	17603
		Long point (up to 10 Mtr.)	each	44.40	404.50	17960
2	E020300	Wiring of 3 pin 5 amp. Light point with 1.5 sq. mm FR PVC insulated unsheathed flexible copper conductor 1.1 Kv grade and 1.5 Kv grade and 1.5 sq. mm FR PVC insulated unsheathed flexible copper earth conductor 1.1 kv grade (IS:699) of approved make in surface/recessed ISI marked medium duty PVC conduit and its accessories 18 SWG M.S. box with earth terminal screw less cage connectors for neutral looping in switch board and false ceiling point. 6A switch 6A socket 3.0 mm thick phenolic laminated sheet zinc plated/brass screws cup washers making connections testing etc. as required (group II)				0
		On Board	each	32.00	59.00	1888
		Medium point	each	15.20	347.00	5274
		Long point	each	12.00	488.00	5856
3	E020400	S & F following sizes (dia) of ISI marked medium duty PVC conduit along with accessories in surface recessed using saddles, clamps fastener as required including cutting the wall and making good the same	Mtr.	360.00	21.00	7560
		25 mm dia		0.00		0

4	E040100	Supply and drawing FR PVC insulated and unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kv grade and approved make in existing surface of recessed conduit / casting capping including making connections etc. as required (group I) 2x2.5 sqmm+1x1.5 sqmm			20.00	40.00	800
5	E060100	P & F 240/415 V MCB of breaking capacity not less than 10 KA (B/C/D tripping characteristic) ISI marked IS 8828 (1996)/conforming to IEC 60898 in existing board sheets including making connections with lugs, testing etc. as required (group I) 6A to 32A rating			20.00	151.00	3020
6	E060200	P & F 240/415 V isolator conforming to IS:13947 -III IEC 60947-3 on exiting board/sheets including making connections with lugs testing etc. as required. Double pole isolator (Group-II) 30A/40A rating			0.80	206.00	165
7	E060500	P & F Recessed surface mounting heavy duty horizontal type sheet steel Distribution board phosphatised power painted complete with copper bus bar shorting link neutral link earth line and din bar conforming to ISI 1323 and IS 8623 including making internal DB terminations with copper lugs, testing etc. as required. Double door (single phase) (group-II) 12 Way			0.80	507.00	406
8	E050200	P & F position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint to following size as require 25mmx25mmx4.5mm			2.00	61.00	122
9	E050500	P & F sheet for boxes frames including making holes for switches etc. with brass screws, washers zinc plated nut and belt as required bakelito sheet (0.30x0.60)			16.00	676.00	10816

10	E150300	Plated Earthing as per IS:3043 with copper earth plate of size 600mmx600mmx3mm by embodying 3 to 4 mtr. Below the ground level with 20mm dia G.I. "B" class watering pipe including all accessories like nut bolts reducer nipple wire meshed funne and C.C. finished chamber covered with hinged type with locking arrangement C.I. cover C.I. frame of size 300 mmx300mm complete with alternae layer of salt and coke charcoal testing of earth resistance as required							0.40	4725.00	1890
11	E150500	S & laying following size earth wire strip in horizontal or vertical run in ground / surface/ recess including riveting soldering saddles making connections etc as required 8 SWG copper wire							8.00	65.51	524
12	E190200	P & F box type fluoresecent tube fitting fabricated from CRCA sheet and finished with coating / stove enameled paint complete with accessories like (OCCB, starter starter seat) E.B. condensor rotor holder terminal block duty prewired with copper conductor including making connection testing etc. as required (without tube) (group II) 1x36 watts with OCCB							12.00	640.00	7680
13	E190700	P&F fluorescent tube rod in existing fixtures as required fluoresecent power coated (Group _II) 36/40 Watts							12.00	53.00	636
14	E150600	S& laying following size 'A' class G.I. pipe with accessories for laying earth conductore/strip in ground / surface / recess as required 32 mm dia							1.60	128.25	205
15	E170500	P&F 1.6mm thick M.S. recessed fan box hexagounal /round of size 100 mm dia depth 75mm 12mm dia rod fan hook with length extended on							20.00	51.00	1020

16	E191500	P & F adjustable type recess mounting down lighter with electrochemically brightened and anodized aluminium reflector complete with holder prewired upto terminal block including making connection testing etc. as required (without lamp) without Ballast suitable for GLS lam/direct fit retrofit) CFL,G-II		16.00	325.00	5200
17	EI91800	P & F energy efficient direct fit (Retrofit) composite compact fluorescent lamp of energy saving labeling not less than 3 star in existing holder / fixture as required .5 watt		16.00	125.00	2000
		8/9 Watt		10.00	135.00	1350
19	E170400	P & F double ball bearing capacitor start fan of approved make complete with regulator and other accessories as required 1200 mm sweep,G-I		12.00	1203.00	14436
20	E072200	P & F ISI marked flush type 120/280 watt rotary step fan regulator including making connection testing etc. as required ,G-I		12.00	189.00	2268
21	E190500	P & F Mirror optics type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating having aluminium mirror reflector low glare V shape double parabolic cross louvers complete with accessories like (OCCB,starter starter seat) /EB condenser rotor holder terminal block duly prewired with copper conductor including making connection testing etc as required (without tube) 4x18 watts with OCCB		8.00	3090.00	24720
22	E170900	P & F of Heavy duty capacitor start 900/1400 RPM single phase ISI marked exhaust fan IS:2312 marked in existing opening including making connections testing etc as required 50mm sweep (900 RPM)		3.20	3152.00	10086
23		P & F bus bar chamber made out of aluminium or wrought aluminium alloy suitable for 100 amp. Capacity housed in sheet metal box made alloy from 1.2 mm MS sheet front openable bus bar fixed on porcelain insulator at approved spacing including making connections etc. as required		0.40	979.00	392

24	E101000	P & F onload change over switch front handle operated four pole 415V conforming to IS:13947 P-III including connections testing etc. as required in the following rating. With sheet steel enclosure 125A,G-II		0.40	6776.00	2710
25	E190300	P & F industrial fluorescent tube fitting with reflector fabricated from CRCA sheet and finished with power coating / vitreous enamelled complete with accessories like (OCCB,starter, starter seat) EB. Condesor, rotor holder terminal block dully prewired with copper coductor including making connection testing etc as required 1x36 watt with OCCB,G-1		3.20	1485.00	4752
		M.S. pipe band 1'-2 1/2" long 120 mole with welding and nut and bolt		3.20	200.00	640
		<b>Total of Part- iii ,(Electrical installation)</b>			<b>Rs.</b>	<b>157451</b>
		<b>part-iv, RAIN HARVESTING</b>				
1		Providing rain harvesting arrangements for the above community centres as per standards & complete in all respect.Estimated cost of items= Rs.60000/-	each	L/S	60000.00	<b>60000</b>
		<b>Total of part-i+part-ii+part-iii+part-iv= Rs.</b>				<b>1041199.88</b>
		<b>Total cost of 5 community centers= Rs.</b>				<b>5205999.40</b>
					<b>Say Rs.</b>	<b>5205999/-</b>
		<b>Basti wise community centre to be constracted is</b>				
S.No		Name of Basti	qty.			
1		Near Railway Phatak, Station Pindwara	1			
3		Dapawas Aml road Pindwara	1			
4		Jogiwas , Indra Colony, Mano kas was, Aml road	1			
5		Ajoopura (Sinchai vibhag road)	1			
6		Katikwas, Jogiyawas	1			
		Total number of community halls.	5			

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We Quote .....% Above/ Below Schedule for part-i,ii ,iii " & iv and our total quoted amount is Rs. ....

Signature of contractor























