

**NIT SCHEDULE FOR ANNUAL REPAIR WORK AT GOVT.  
RESIDENTIAL BUILDINGS UNDER SUB DIVISION KHILCHIPUR SACTION  
ZIRAPUR DIVISION RAJGARH**

**P.A.C. 5.00 Lakhs**

S.N.	SOR item No.	Item	Qty	Rate	Unit	Amount
1	2	3	4	5	6	7
1	2.6	Earth work in excavation by mechanical means (hydraulic excavator )/manual means over areas (exceeding 30cm in depth. 1.5 in with as well as 10 sqm on plan including dressing of sides and raming of bottom disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neaty dressed. (No extra lift is payable if work is done by mechanical means)	3	147	Cum	441.00
2	4.1.1.4	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering shuttering finishing and reinforcement –all work up plinth level. M-10 Nominal (Mix -1 Cement : 3 sand : 6 graded stone aggregate)	6	3890	Cum	23340.00
3	10.2	Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	50	103	Kg.	5150.00
4	12.1.2	Providing corrugated G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.0.80mm thick with zinc coating not less than 275gm/m <sup>2</sup>	50.0	863	Sqm	43150.0

5	11.49	providind and laying ceramic glazed floor tiles 300 x300mm or more (having thickness 6 to 7 mm of 1st quality conforming to IS: 15622 of approved make in colours such as white Ivory ,grey, fume red brown laid on 20mm thick ccment mortar 1:4(1 ccment : 4 sand) including pointing the joints with white cement and matching pigment etc complete.	30	670	Sqm	20100.00
6	11.50	providind and fixing ceramic glazed wall tiles 300 x450 mm or more (having thickness 6 to 7 mm) of 1st quality conforming to IS: 15622 of approved make in all colours shades,except burgundy,bottle green,black ,laid on 12 mm thick bed of cement mortar 1:3 ( 1 cement : 3 sand) jointed with grey cement slurry @3.3 kg per Sqm including pointing the joints with white cement and matching pigment etc complete.	15.0	776	Sqm	11640.00
7	6.5.1	Brick work with well brunt open bhatta,bricks in foundation, crushing strength not less than 25 kg /cm <sup>2</sup> and water absorpt ion not more than 20% in foundation and plinth i/c curing etc, complete. Cement mortar 1:4 (1 cement : 4 sand)	20.0	4347	Cum	86940.00
8	6.6.2	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm <sup>2</sup> and water absorption not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete. Cement Mortar 1:6 (1 cement : 6 sand)	10.00	4350	Cum	43500.00
8	13.2.2	15 mm cement plaster on the rough sibe of single or half brick wall of mix. 1:6	25.00	168	Sqm	4200.00
9	13.27.1	Providing and fixing mesh in verticaland horizontal junction of RCC and brick/AAC work including scaffolding and all lead and lift etc. complete G.I. chicken mesh as per ISI specification and in the required width with 50mm long Bombay nails before plastering upt 10 meter height.	12	62	Sqm	744.00
10	9.35.1.1	providind and fixing wooden moulded beading to door and window frames with iron screws ,plugs and priming coat on unexposed surface etc. Complete. 2 <sup>nd</sup> class teak wood 50x12 mm.	20	102	meter	2040.00

11	18.6	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing concealed work including cutting chases and making good the walls etc.				
		18.6.1.1 15 mm nominal outer dia .pipes	25	129	meter	3225.00
		18.6.1.3 25 mm nominal outer dia .pipes	25	177	meter	4425.00
12	18.29.1	Providing and fixing brass bib cock of approved quality: 15 mm nominal bore	5	306	Each	1530.00
13	17.73.2	Providing and fixing CP brass towel rail of approved quality and make.450x20mm.	4.0	836	Each	3344.00
14	17.58.1	Providing and fixing unplasticised rigid PVC soil and waste pipes conforming to IS: 13592 type B including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion single socketed pipes for working pressure of 4 kg /sqm.110 mm diameter (minimum wall thickness 3.2mm)				
			15	136	RM	2040.00
15	11.82.1.1	Providing and laying digital print random design(PGVT)/(GVT) vitrified tiles in different sizes with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours& shades, 1st quality / premium in skirting, riser laid our 12mm thick cement mortar 1:3 including grouting the joints with white cement and matching pigments etc. complete For floor glossy/ rustic /stain/matt finished laid on 20mm thick cement mortar 1:4 (1 cement:4sand) Size 600X600 mm thickness 9-10 mm	25.0	1140	Sqm	28500.00
16	18.44.1	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86mm long. Weighing not less than 88 gms.	10.0	173	Each	1730.00
17	15.12	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	15	64	Sqm	960.00
18	15.6.2	Dismantling brick work manually /by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metreslead as per direction of engineer –in-charge. In lime mortar.	1.0	202	cum	202.00
19	15.14.1	Dismantling doors ,windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. Complete and stacking within 50 metres lead .	3	85	Each	255.00

20	13.1.2	12 mm cement plaster of mix . 1:6	100	160	Sqm	16000.00
21	13.6	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 and a top layer 6mm thick cement plaster 1:3 finished rough with sponge.	50	220	Sqm	11000.00
22	10.5.2	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x5 mm angle iron and 3mm M.S.gussct plates at the junctions and corners all necessary fittings complete, including applying a priming coat of approved steel primer.Using flats 30x6mm for diagonal braccs and ccntral cross piece.	12	2474	Sqm	29688.00
23	10.22.2	Steel work welded in built up section / framed woek including cutting hoisting fixing in position and applying a priming coat of approved steel primer using structural steel etc. As required . In gratings, frames,guard bar , ladder , railings brackets , gates and similar works.	75.0	105	Kg.	7875.00
24	5.16.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detalingIS 456 RCC Design & SP 34 Reinforcement detailing ) etc. complete . (Note:- 1. Spacer bars (chairs) shall be paid separately as shown in the drawing and as per direction of engineer in charge. 2. No extra payment shall be done for overlaps and/or couplers. 3. Couplers shall be conforming to IS code on "Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement -Thermo-Mechanically Treated bars.FE 500 or more conforming to IS 1786	25	80	Kg.	2000.00
25	5.9	<b>Centering and shuttering in cluding strutting, propping etc. and removal of form for:</b> 5.9.1 foundations footings bases of columus etc. For concrete up plinth level.	1	190.60	Sqm	190.60
		5.9.6 Columns, P i l l a r s , Piers, Abutments, Posts and Struts.	2.0	471.20	Sqm	942.40
		5.9.2.1 walls (any thickness) including attached pilasters butteresses plinth beams and string courses etc. Up to plinth level.	2	219	Sqm	438.00
		5.9.3 Suspended floors , roofs, landings, balconies, and access platform .	3	439.60	Sqm	1318.80

26	5.1	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering shuttering finishing and reinforcement –all work up plinth level. M 20-grade concrete.	1.0	6153	Cum	6153.00
27	5.2.1	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts etc. above plinth level and upto floor two level excluding cost of centering, shuttering, finishing and reinforcement: M-20 Grade Concrete	1	6231	Cum	6231.00
28	21.1.2.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top,bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings whereverrequired including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	11.0	446	Kg.	4906.00
29	21.3.2	(35) Providing and fixing glazing in aluminium doors window. ventilairs shutters and partitions etc. With EPDM rubber / neoprene gasket etc <b>With float glass panes of 5.0 mm</b> thickness (weight not less than 12.50 kg/sqm )	7.0	948	Sqm	6636.00
30	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10 kg/sqm)	5.0	774	Sqm	3870.00
31	17.3.1	china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P. flush bend with fittings and C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	2.0	4613	Each	9226.00

32	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or Strap, UPVC P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	2.0	2995	Each	5990.00
33	17.11.4	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps 32mm C.P. brass White vitreous china flat back wash basin size 550x400mm with single 15mm C.P. brass pillar tap.	1	1664	Each	1664.00
34	11.45	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 sand) including pointing with cement mortar 1:2 (1 cement : 2 sand) with an admixture of pigment to match the shade of stone.	5.0	642	Sqm	3210.00
35	14.1	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead : With cement mortar 1:4 (1 cement : 4 sand).	5	180	Sqm	900.00
36	9.18.1	Providing and fixing ISI marked flush door shutters conforming to IS: 2202(part –I) decorative type core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters of such as duro board century or equivalent make.	1.0	2823	Sqm	2823.00
37	9.57.2	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. Complete. 250x16 mm	2	157	Each	314.00
38	9.61.1	Providing and fixing ISI marked oxidised M.S. handles conforming to IS: 4992 with necessary screws etc. Complete 125 mm	4	27	Each	108.00
39	9.66.1	Providing and fixing ISI marked stainless steel tower bolt black finish (Barrel type) with necessary screws etc. Complete 250x10 mm	2	148	Each	296.00

40	12.82	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped 387alvanized steel sections (387alvanized387 @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre tocentre, and cross "T" of size 24x28mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at	5.0	1196	Sqm	5980.00
41	9.41.2	Providing and fixing of 1.25 mm thick chromium plated brass plate, with two chromium plated curtain rods brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete: 20 mm dia.	2.0	377	meter	754.00
42	22.14.1	Grading roof for water proofing treatment with C.C. 1:2:4	2	6569	Cum	13138.00
43	18.28	Providing and placing on terracc (at all floor levels ) ploycthylnic water storage tank ISI :12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base	3500	7	per liter	24500.00
44	18.33	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards andweighing not less than 690 gm, 15 mm nominal bore	1.0	1272	Each	1272.00
45	13.41	Providing and applying white cement based putty of average thickness 1 mm, of approved brand over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete. Note : Putty shall be applied only on the internal walls, for application on the exterior walls prior permission of APD/Chief Engineer will be required.	5	74	Sqm	370.00
46	14.51.1	Finishing walls with Acrylic smooth exterior paint of required shade.Old work (Two or more coat	58.046	87	Sqm	5050.00

48	9.18.3	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (part 1) non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters of such as buro board, century or equivalent make. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	1.0	2465	Sqm	2465.00
49	9.124.1	Providing and fixing fly proof stainless steel grade 304 wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 2nd class teak wood beading 62x19 mm	2.0	1689	Sqm	3378.00
50	4.1.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – all work up to plinth level. M 15 –Grade concrete	1.0	4471	Cum	4471.00
	4.1.1.4	M-10 Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate)	2.0	3890	Cum	7780.00
51	19.4.1	Providing and laying below ground unplasticised PVC pipe to with stand working pressure of 4kg solid waste pipes conforming to IS: 13592 and IS: 4985 including jointing with seal ring conforming to IS: 5282 leaving 10mm gap for thermal expanding all necessary fittings etc. Complete . excavation to be paid separately. 110 mm diameter OD	7	234	RM	1638.00
52	17.14.2.2	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board Depth 200mm	3	4351	Each	13053.00
53	17.64	Providing and fixing P.V.C.waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	3.0	87	Each	261.00
54	9.123.2.2	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5mm and average width of aperture 1.4mm in both directions for doors, windows and clerestory windows with necessary screws. Kiln seasoned and chemically treated Haldu, Kail, Bija wood.	2	3125	Sqm	6250.00
55	17.70.1	Providing and fixing toilet paper holder. C.P.drass	1.0	340	Each	340.00
<b>Total</b>						<b>499935.80</b>

			<b>Say Rs. In lakh</b>	<b>5.00 Lacs</b>
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Sub Engineer  
P.W.D. (B&R)  
Sec Zirapur

Sub Divisional Officer  
P.W.D. (B&R)  
SUB DIVISION Khilchipur

Executive Engineer  
P.W.D. (B&R)  
Division Rajgarh