

SCHEDULE 'A'**Annexure: I****Name of work : Renovation and repair of N2 Qtrs.(300 Nos.) at Berkhera N'hood.**

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chokhats, architrave, holdfasts, etc. complete and stacking within 50 metres lead:				
	15.12.1	Of area 3 sqm and below.	750.00	Each	54.60	40950.00
2	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				
	15.13.1	Of area 3 sqm and below.	150.00	Each	21.40	3210.00
3	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead.	1800.00	Sqm	8.20	14760.00
4	15.2	Demolishing cement concrete including disposal of material within 50 metres lead:				
(a)	15.2.1	1:3:6 or richer mix.	45.00	Cum	368.45	16580.25
(b)	15.2.2	1:4:8 or leaner mix.	90.00	Cum	226.90	20421.00
5	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:				
	15.7.4	In cement mortar.	18.75	Cum	310.75	5826.56
6	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 metre:				
	2.28.1	All kinds of soil	150.00	100 sqm	512.10	768.15
7	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
(a)	4.1.11	1 : 5 : 10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	15.00	Cum	1400.12	21001.80
(b)	4.1.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	15.00	Cum	1584.89	23773.35
8	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, etc. upto floor five level, excluding the cost of centring, shuttering and finishing:				
	4.2.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	9.50	Cum	1906.54	18112.13
9	5.18	Providing, precast cement concrete Jali 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size). reinforced with 1.6 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1 : 3 (1 cement : 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
	5.18.2	40 mm thick.	127.50	Sqm	295.48	37673.70
10	11.3	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). Finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps, etc. complete:				
(b)	11.3.1	40mm thick with 20mm nominal size stone aggregate.	1350.00	Sqm	104.10	140535.00

11	4.17	Making plinth protection 50 mm thick of cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm bed of dry brick ballast 40 mm nominal size well rammed & consolidated and grouted with fine sand including finishing the top smooth.	75.00	Sqm	165.16	12387.00
12	11.29.1	40 mm thick fine chisel dressed stone flooring over 20 mm (average) thick base including pointing with cementmortar 1 : 2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone with base with cement mortar 1:5 (1 cement : 5 coarse sand):.				
	11.29.1	Red sand stone.	75.00	Sqm	112.64	8448.00
13	11.13	Providing and fixing glass strips in joints of terrazo/cement concrete floors:				
	11.13.1	40 mm wide and 4 mm thick.	375.00	Mtr	17.60	6600.00
14	Approved rate	Brick work with bricks of class designation 50 in superstructure above plinth level upto floor two level in Cement mortar 1:6 (1 cement : 6 coarse sand) (Ghole brick)	49.00	Cum	1811.35	88756.15
15	Approved rate	Half brick masonry with bricks of class designation 50 in superstructure above plinth level upto floor two level in Cement mortar 1:4 (1 cement : 4 coarse sand) (Ghole brick)	150.00	Sqm	206.54	30981.00
16	13.5	15 mm cement plaster on the rough side of single or half brick wall of mix:				
	13.5.2	1 : 6 (1 cement : 6 fine sand).	2350.00	Sqm	62.07	145864.50
17	13.6	20 mm cement plaster of mix:				
	13.6.2	1 : 6 (1 cement : 6 coarse sand).	750.00	Sqm	73.63	55222.50
18	13.16	6 mm cement plaster to ceiling of mix:				
	13.16.1	1 : 3 (1 cement : 3 fine sand).	750.00	Sqm	42.97	32227.50
19	13.18	Neat cement punning.	750.00	Sqm	9.90	7425.00
20	12.21	Providing gola 75x75 mm in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm and down guage) including finishing with cement mortar 1 : 3 (1 cement : 3 fine sand) as per standard design:				
	12.21.1	In 75 x 75 mm deep chase	500.00	Mtr	51.15	25575.00
21	13.29	18 mm thick plain cement mortar band in cement mortar 1 : 4 (1 cement : 4 fine sand):				
	13.29.1	Flush Band	750.00	cm per mtr	1.30	975.00
22	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead:				
	14.1.1	With cement mortar 1 : 4 (1 cement : 4 fine sand).	750.00	Sqm	78.02	58515.00
23	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches, etc. complete.	15000.00	Sqm	3.20	48000.00
24	14.42.1	White washing with lime to give an even shade : Old work (two or more coats)	15000.00	Sqm	4.10	61500.00
25	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws, etc. complete:				
	9.62.2	250x16 mm.	600.00	Each	69.65	41790.00
26	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish (Barrel type) with necessary screws, etc. complete:				
	9.63.2	200x10 mm.	1200.00	Each	28.60	34320.00

27	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws, etc. complete:				
	9.66.2	100 mm.	3600.00	Each	7.75	27900.00
28	14.5	Renewing glass panes, with putty and nails wherever necessary:				
	14.5.1	Float glass panes of thickness 4 mm	100.00	Sqm	427.60	42760.00
29	17.13	Providing and fixing white vitreous china water closet squatting pan (Indian type):				
	17.13.1	Orrisa pattern W.C. pan of size 580 x 440 mm.	300.00	Each	997.78	299334.00
30	18.10	Providing and fixing G.I. Pipes complete with G.I. Fittings and clamps, including cutting and making good the walls, etc. (internal work)				
	18.10.1	Exposed Walls: 15 mm dia nominal bore.	3750.00	Mtr	105.85	396937.50
31	18.12	Providing and fixing G.I. Pipes complete with G.I. Fittings including cutting and making good the walls, etc. (external work)				
(a)	18.12.1	15 mm dia nominal bore.	150.00	Mtr	94.05	14107.50
(b)	18.12.2	20 mm dia nominal bore.	150.00	Mtr	116.60	17490.00
32	17.22	Providing and fixing G.I. Inlet connection for flush pipe connecting with W.C. pan.	300.00	Each	73.60	22080.00
33	17.29	Providing and fixing 100 mm sand cast iron grating for gully, floor or Nahani trap.	600.00	Each	16.45	9870.00
34	12.40	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				
(a)	12.40.1	75 mm dia.	250.00	Mtr	95.00	23750.00
(b)	12.40.2	100 mm dia.	250.00	Mtr	163.40	40850.00
35	12.42	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion:				
(i)	12.42.3	Single tee with door.				
(a)	12.42.3.1	75x75x75 mm	150.00	Each	174.84	26226.00
(b)	12.42.3.2	110x110x110 mm.	150.00	Each	258.09	38713.50
(ii)	12.42.5	Bend 87.5 degree				
(a)	12.42.5.1	75 mm bend	1200.00	Each	85.79	102948.00
(b)	12.42.5.2	100 mm bend	600.00	Each	131.59	78954.00

36	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:				
	17.60.1	100 mm inlet and 100 mm outlet.				
	17.60.1.1	Centrifugally cast (Spun) iron S&S.				
	1		600.00	Each	531.23	318738.00
37	19.1	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1 : 1 (1 cement : 1 fine sand) including testing of joints, etc. complete.				
	19.1.1	100 mm diameter.	150.00	Mtr	94.56	14184.00
38	19.2	Providing and laying cement concrete 1 : 5 : 10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) around S.W. pipes including bed concrete as per standard design:				
	19.2.1	100 mm diameter S.W. Pipe.	150.00	Mtr	230.64	34596.00
39	19.4	Providing and fixing square-mounth S.W. gully trap grade 'A' complete with C.I. Grating brick masonry chamber with bricks of class designation 75 and water tight C.I. Cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.5 Kg and frame to be not less than 2.7 Kg as per standard design:				
	19.4.1	100x100mm size P type.				
	19.4.1.2	With Modular bricks.	300.00	Each	794.03	238209.00
40	19.5	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps:				
	19.5.1	100 mm diameter	375.00	Mtr	13.35	5006.25
41	9.21	Providing and fixing ISI marked flush door shutters conforming to IS:2202(part1) 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				
	9.21.2	30 mm thick including ISI marked stainless steel butt hinges with necessary screws.	1053.00	Sqm	904.40	952333.20
42	18.54	Providing and fixing PTMT (an Engineering thermoplastic) bib cock of approved quality colour and make: (Prayag or equivalent).				
	18.54.1	15 mm nominal size, 86 mm long, 102 mm high and 43 mm wide with 12 mm seat dia and replaceable washers, weighing not less than 90 gms.	900.00	Each	120.85	108765.00
43	13.50	Applying priming coat:				
	13.50.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hardand soft wood)	1500.00	Sqm	16.55	24825.00
44	13.61	Painting with synthetic paint of approved brand and manufacture of required colour to give an even shade:				
	13.61.1	Two or more coats on new work.	6000.00	Sqm	33.25	199500.00
45	14.54	Painting with synthetic paint of approved brand and manufacture of required colour to give an even shade:				
	14.54.1	One or more coats on old work.	4500.00	Sqm	22.85	102825.00
46	14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches, etc. complete.	39500.00	Sqm	4.25	167875.00

47	Approved rate	Distempering with oil bound washable distemper of approved brand and manufacture (two or more coats) and of required shade on old work to the satisfaction of Engineer-in-charge.	22500.00	Sqm	21.25	478125.00
48	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade ::				
	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface).	17000.00	Sqm	36.30	617100.00
49	10.14	Providing and fixing pressed steel door frames confirming to IS: 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:				
	10.14.1	Profile B	6000.00	Mtr	251.90	1511400.00
50	10.11	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm 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 or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	22000.00	Kg	178.22	3920840.00
51	1.1.1A(i)	Transportation of brick coba & building rubbish including loading, unloading, stacking if necessary etc. completewithin a lead of 5 km as per direction of engineer in-charge.	2000.00	Cum	61.19	122380.00
52	22.20	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrance, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sq.mt. by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc. and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be Joint strength in longitudinal and transverse direction at 23°C as 650/450 N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C. when tested in accordance with ASTM, D-5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.				
	22.20.1	3mm thick.	15000.00	Sqm	341.80	5127000.00
Total Rs :						16087820.54

Percentage quoted by the Contractor	%	Above	Below	At Par
Percentage quoted by the Contractor in words				

Signature of Contractor

Signature of Officer

SCHEDULE 'A'**Annexure: II****Name of work : Repair And renovation of N-2 quarters in Berkhera N'hood.**

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1		Removing of old tarfelt of water proofing treatment of any course from the top of roof horizontal or vertical or any floor including disposal of removed material within 50 m lead.	15000.00	Sqm	8.00	120000.00
2		Demolishing lime brick coba concrete and disposal of within 50 metres lead.	2000.00	Cum	58.00	116000.00
3		Removing of RCC or Sintex water tank including unscrewing GI pipes and fittings carefully, cleaning tank, refixing in position including providing concrete pedestals under water tanks etc.complete (GI pipe and fittings if damaged during removing will be supplied by department free of cost) Upto 1 cum capacity RCC or Ferrocement tank	300.00	Each	520.00	156000.00
Total Rs.:						392000.00

Percentage quoted by the Contractor	%	Above	Below	At Par
Percentage quoted by the Contractor in words				

Signature of Contractor

Signature of Officer

