

PART - A

OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)

ABSTRACT

Name of Work **CONSTRUCTION OF KITCHEN SHED AND EXTENSION WORK NEAR SAMUDAYIK BHAWAN JAMNIPALI AT WARD NO 54**
NAGAR PALIK NIGAM KORBA

As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.				
	3.3	In cement mortar.	cum	13.34	263.00	3,508.42
2	16.31	Dismantling steel work in built-up section in angles, channels, flats I-section and T-section including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	kg	150	1.00	150.00
3	16.42	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	cum	16.91	768.00	12,986.88
4	16.43	Demolishing cement concrete including disposal of material within 50 metre lead.				
	13.2	1:3:6 or richer mix	cum	3	549.00	1,647.00
5	16.44	Extra for cutting reinforcement bars in R.C.C. or R.B work. (Cross-sectional area of RCC/RB work to be measured)	sqm	20	447.00	8,940.00
6	16.36	Dismantling terrazzo or mosaic or glazed vitreous or patent cement or tiled flooring or dado skirting of any thickness without sub base.	sqm	33.4	22.50	751.50
7	16.1	Dismantling rammed moorum and boulders or rammed moorum and silt in foundation or under floor including all lead and lifts.	cum	12	279.00	3,348.00
8	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	sqm	73.5	7.20	529.20
9	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.				
	1.1	In all types of soils.	cum	81.75	185.00	15,123.75
10	1.6	Extra for every additional lift of 1.5 m or part thereof.				
	6.1	All types of soils	cum	6.91	26.50	183.11
11	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	cum	40.87	65.00	2,656.55
12	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum	14.67	371.00	5,442.57
13	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum	18	242.00	4,356.00
14	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level				

EF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	excluding cost of form work.				
1.4	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	cum	9.24	3552.00	32,820.48
15	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	23.42	4163.00	97,497.46
16	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:				
	12.1 Thermo-Mechanically treated bars FE 415	kg	2107.8	54.50	114,875.10
17	3.13 Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.	cum	0.58	4237.00	2,457.46
18	3.14 Providing and mixing water proofing material in PCC/RCC work in the proportion recommended by the manufacturer.	kg	50	43.50	2,175.00
19	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	67.44	139.00	9,374.16
	1.3 Window sills, anchor blocks, string course, bends, copings, bed plates and like.	sqm	1.2	184.00	220.80
	1.4 Edge of slab, breaks in floor and walls upto 200mm.	metre	29.8	34.00	1,013.20
	1.5 Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	23.76	297.00	7,056.72
	1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	35.87	235.00	8,429.45
	1.8 Beams, lintels, cantilevers & walls	sqm	27.76	202.00	5,607.52
20	4.13 Grading roof for water proofing treatment with:				
	13.1 Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	1.14	3817.00	4,351.38
21	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.3 Cement Mortar 1:5 (1 cement : 5 coarse sand)	cum	13.19	3350.00	44,186.50
22	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum	6.51	121.00	787.71
23	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.1 Cement Mortar 1:3 (1 cement : 3 coarse sand)	cum	2.66	3641.00	9,685.06
24	10.10 Extra for providing and fixing wind ties of 40x6mm flat iron section.	metre	12	118.00	1,416.00
25	11.1 Providing and making 6mm thick cement plaster of mix:				
	1.1 In Cement mortar 1:3 (1 cement : 3 fine sand)	sqm	63.15	93.00	5,872.95
26	11.2 Providing and making 12mm thick cement plaster of mix:				
	2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	26.46	96.50	2,553.39
27	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	59.94	113.00	6,773.22

ITEM DESCRIPTION		UNIT	QTY	RATE	AMOUNT
	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)	sqm	189	897.00	169,533.00
29	12.50 KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)	sqm	29.64	990.00	29,343.60
30	13.3 15 mm thick Marble work (machine cut, table rubbed & polished) for kitchen platform, vanity counters, window sills and similar locations of required size laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) including joints treated with white cement mixed with matching pigment including rubbing and polishing to edge moulding to give high gloss finish.				
	3.6 Pink plain marble.	sqm	8	2051.00	16,408.00
31	12.51 Extra for nosing in steps and treads of Kota stone slab.	metre	35.4	69.50	2,460.30
32	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	sqm	149.55	94.50	14,132.47
33	14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.				
	11.1 On new work (two or more coats)	sqm	89.61	52.50	4,704.52
34	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:				
	15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	59.94	56.00	3,356.64
35	14.22 Painting on new work (two or more coats) to give an even shade with:				
	22.1 Satin synthetic enamel paint	sqm	23.6	55.00	1,298.00
36	18.20 Providing and fixing stainless steel AISI-304(18/8) wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :				
	20.2 Size 510x410 mm	each	1	4095.00	4,095.00
37	13.21 Extra for making opening of required size & shape for wash basins/ kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including making necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	each	1	253.00	253.00
38	18.22 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink without drain board 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 :				
	22.2 560x410 mm bowl depth 215 mm.	each	1	6210.00	6,210.00
39	18.25 Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				

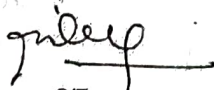
REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
25.1	32 mm dia	each	2	68.50	137.00
40 18.26	Providing and fixing PVC waste coupling in wash basin/ sink.				
26.1	25 mm	each	2	49.50	99.00
41 18.76	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.				
76.2	110 mm dia pipe.	metre	20	267.00	5,340.00
42 18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
77.5	1" P trap 110mmx110mm long	each	2	227.00	454.00
77.6	Nahani trap 110x75mm	each	1	90.50	90.50
43 19.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases and making good the walls etc.,				
5.1	15 mm nominal outer dia .Pipes.	metre	15	133.00	1,995.00
5.2	20 mm nominal outer dia .Pipes.	metre	18	167.00	3,006.00
44 19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:				
13.2	Bib cock (350 grams)	each	2	237.00	474.00
13.3	Stop cock (350 grams)	each	2	237.00	474.00
45 19.14	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:				
.12	Bottle trap set with extension pipes	each	1	473.00	473.00
46 19.17	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
17.1	15 mm nominal bore	each	1	284.00	284.00
17.2	20 mm nominal bore	each	1	394.00	394.00
47 19.42	Providing and placing on terrace (at all floor levels) polyethylene 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 support for tank		1000.00	7.20	7,200.00
48 19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):				
16.1	25 mm nominal bore	each	1	436.00	436.00
49 19.47	Constructing masonry Chamber 30x30x50 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2	each	3	754.00	2,262.00

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :				
50	20.31 Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	Each	1	1709.00	1,709.00
51	9.6 Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.				
	6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	50	68.00	3,400.00
52	9.57 Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.				
	57.2 SS Grade 304	kg	70	525.00	36,750.00
53	9.1 Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	kg	200	61.50	12,300.00
54	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.				
	3.1 Electric resistance or induction butt welded tubes Grade-250	kg	80	88.50	7,080.00
55	10.11 Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead 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.	sqm	24	636.00	15,264.00
56	12.65 Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm				
	55.2 Pigment Coloured (rubber mould) precast interlock concrete blocks	sqm	180	632.00	113,760.00

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.66	Providing and fixing precast compressed plain cement concrete edge restraint block of size 500mmx250mmx60mm of compressive strength of 200kg per sq.cm manufactured by electro hydraulically operated block machine by excavated trench of 150mm depth, laid width wise etc. complete	metre	54	169.00	9,126.00
58 12.13	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				
13.1	Size 600x600mm	sqm	32	1151.00	36,832.00
59 12.14	Extra for providing and laying vitrified floor tiles with 2-5mm groove in between the tiles including grouting the groove with water resistant epoxy compound or with white cement and approved pigments etc. complete.				
14.1	Size 600x600mm	sqm	32	54.00	1,728.00
60 12.10	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
10.1	Size 300x300mm	sqm	12	858.00	10,296.00
61 12.7	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.				
7.1	Size upto 200x300mm	sqm	14	587.00	8,218.00

As per Estimate Amount Rs. 948152.57

Part A
(Civil part)


S/E
Nagar Palik Nigam
Korba(C.G.)


A.E.
Nagar palik Nigam
korba(C.G.)

PART - B

OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)

ABSTRACT

Name of Work **CONSTRUCTION OF KITCHEN SHED AND EXTENSION WORK NEAR SAMUDAYIK BHAWAN JAMNIPALI AT WARD NO 54**
NAGAR PALIK NIGAM KORBA (ELECTRICAL PART)
 As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ELECTRICAL-01-06-2020]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	0			
	7.1	Short Point	Point	4	266.00	1,064.00
	7.2	Medium Point	Point	5	424.00	2,120.00
	7.3	Long Point	Point	4	588.00	2,352.00
2	1.11	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	0			
	11.2	Medium Point	Point	3	942.00	2,826.00
	11.3	Long Point	Point	2	1350.00	2,700.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	0			
	13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	17	111.00	1,887.00
4	5.4	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification.				
	4.1	5/6 amps one way switch	Each	18	69.00	1,242.00
	4.5	3 pin 5/6 amp socket outlet	Each	9	96.00	864.00
	4.6	6 pin 15/16 amp socket outlet	Each	4	120.00	480.00
	4.9	Fan regulator (two module size) electronic stepped type moving all rounds	Each	12	223.00	2,676.00
	4.20	Ceiling rose 3 pin 5 amp	Each	20	40.00	800.00
5	6.2	Supplying, installation, testing and commissioning of premium quality Decorative ceiling fan having modern designer blades, good airthrow and with atleast two colour rendering effect along with unique smooth flowing canopies and down rod sleeve covering, wider blades at tips giving conical air throw including remote control for following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated , copper conductor, single core wire, earthing etc. complete as per specification. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments	0			
	2.2	1200 mm sweep	Each	10	2092.00	20,920.00
6	6.11	Supplying and fixing following sizes of down rod of 15/20mm dia M.S. pipe of				

ITEM DESCRIPTION		UNIT	QTY	RATE	AMOUNT
	thickness 2 mm to ceiling fan including painting with matching colour etc. as per specification.				
11.2	60 cm long	Each	10	40.00	400.00
7	6.15	0			
	Supplying, installation, testing and commissioning of following LED fitting (luminaries) down lighters in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio = 100 lumens /watt.				
15.6	18/20 Watt	Each	11	868.00	9,548.00
8	9.10	0			
	Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
10.1	6 amps to 32 amps	Each	6	151.00	906.00
9	7.9	0			
	Providing and fixing metal clad, SP&N switch fuse unit (re-wirable), 230/250 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid separately).				
9.1	32 amps	Each	1	978.00	978.00
As per Estimate Amount Rs.					51763.00

Part B: Electrical
part

July
S/E
Nagar Palik Nigam
Korba(C.G.)

A.E.
Nagar palik Nigam
korba(C.G.)