

**ANNEX-B3**

**LOT-4 CONSTRUCTION OF NADRA PCM BLOCK  
BILL OF QUANTITIES**

**DETAIL ABSTRACT  
SHEET**

**CIVIL WORKS**

S.No	Description of Items	Quantity	Unit
<b>CIVIL WORKS</b>			
	<b>Excavation in foundation</b> of buildings and bridges, including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft., (30m) & lift upto 5 ft. (1.5m)	1891.00	Cft
	Spraying anti-termite liquid Hepta color or equivalent mixed with water in the ratio of 1 liter : 40 liter.	1891.00	Cft
	<b>Providing and laying plain</b> hand mixed <b>1 : 4 : 8</b> cement concrete using sand approved source and crushed aggregate having maximum size upto 1 1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.	219.25	Cft
	<b>Providing, fabricating and laying deformed Grade 60 steel reinforcement</b> (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height		
	Foundation and Columns Footing	5.32	
	Plinth Band	1.34	
	Door Band	0.87	
	Roof Beam	1.46	
	Slab	3.09	
	<b>Total</b>	12.080	ton
	<b>Providing and laying 1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in sills and Bed Plate including formwork and its removal, compacting and curing	675.50	Cft
	Providing and laying 1 : 2 : 4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing. Pcc concrete steps	1368.75	Cft
	Providing and laying <b>1 : 2 : 4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.	480.00	Cft
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in <b>plinth band</b> , door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.	379.97	Cft

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S.No	Description of Items	Quantity	Unit
	Providing and laying <b>first class solid burnt brick</b> masonry ( <b>Brick Strength:1800psi-2000psi</b> ) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing <b>with 1:3</b>	1553.06	Cft
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band, <b>door band</b> and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.	168.89	Cft
	Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 50 ft. (15m)	5010.00	Cft
	<b>Providing and laying plain</b> hand mixed <b>1 : 4 : 8</b> cement concrete using sand approved source and crushed aggregate having maximum size upto 1 1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.	668.00	Cft
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band, door band and <b>roof band</b> of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.	644.63	Cft
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in <b>slabs</b> including formwork and its removal, compacting and curing Upto 6" (150 mm) thickness i) In basement, plinth and ground floor	1062.00	Cft
	<b>Cement plaster</b> using Coarse Sand on soffits of ceiling, cantilever slabs, sides and soffits of beams, in basement and ground floor including making edges, corners and curing. <b>1/2 inch (13mm) thick cement sand plaster 1:4</b>	2004.00	Sft
	<b>3/4 inch (19mm) thick cement plaster</b> using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. The mix ratio is 1:4 cement sand.	3308.25	Sft

**CIVIL WORKS**

S.No	Description of Items	Quantity	Unit
	<b>3/4 inch (19mm) thick cement plaster</b> using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. Extra if false <b>pointing</b> is required with lime/surkhi or pigment on plastered surface of any description in any floor.	1871.00	Sft
	Providing and laying floor 1:2:4 reinforced cement concrete using crushed aggregate 3/4" (19mm) and ground floor including formwork, consolidation, finishing and curing but excluding the cost of reinforcement 3" (75 mm) nominal thick flooring	746.00	Sft
	Providing and laying super white 12"x12" <b>marble tiles floor</b> fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar. <b>1" (25 mm) thick marble tiles floor</b>	3059.00	Sft
	Providing and laying Conglomerate flooring (two coat work) having 1/2" (9mm) thick wearing surface comprising 1 part of cement & 2 parts of stone chips passing 3/16" sieve, over <b>1:3:6 concrete</b> base using crushed aggregate laid in panels or approved pattern including formwork, curing, and surface finishing as approved by Engineer Incharge. mortar.	210.63	cft
	Providing and fixing aluminium / Metal ceiling with 2'x2' with required fitting of frame from ceiling to 6" and providing electrical points and 12 watt lights with required 4 gang switches board as per instruction of engineer .	746.00	Sft
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer	150.00	Rft
	Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chip board/ Cement Fibre sheet and with approved nickle plated hinges and tower bolts	290.00	Sft
	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.	452.00	Sft
	Providing and fixing iron grill of required section of square bars 3/8" of approved design and section	452.00	Each

**CIVIL WORKS**

S.No	Description of Items	Quantity	Unit
	Providing and fixing locks with brass or specially supplied screws including Door Closers and Floor Hinges of approved design including cutting wood to required shape	12.00	Each
	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line IIL or equivalent of approved make registered with PSQCA complete in all respect with valves, joints as per instruction	500.00	RFT
	Distemping with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)	1871.00	Sft
	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10	1871.00	Sft
	<b>Painting</b> in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on <b>wood work</b> over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints.	290.00	Sft

**Total  
G.Total**

**PLUMBING & SEWRAGE**

1	<b>Excavation in foundation</b> of buildings and bridges, including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft., (30m) & lift upto 5 ft. (1.5m)	772	Cft
2	Providing and fixing white glazed vitreous China squatting type W.C. pan with integral treads similar to Orissa type.	2.00	Each
3	Providing and fixing white glazed vitreous China porta squatting type English commode with integral treads similar to Orissa type.	2.00	Each
3	Providing and fixing ICL /Karam cera or approved equivalent make glazed earthen ware shower tray including fittings, bib cok, stop cock, shower kit, trap and making requisite numbers of holes and making good with approved material	2.00	Each
4	Providing and Installing <b>uPVC</b> pipe IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. <b>Class B 4" (100 mm) inner dia.</b>	386.00	P.Rft
5	Providing and fixing brass bib cock/ stop cock of approved make	4.00	Each
6	Providing, laying, cutting, jointing, testing and disinfecting PVC pipe 1.5 "complete with all repsect	386.00	RFT
7	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.		

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S.No	Description of Items	Quantity	Unit
		3.00	Each
8	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make		
		6.00	Each
9	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws		
		2.00	Sft
10	Providing and fixing approved quality chromium plated towel rail with bracket and screws		
		2.00	Each
11	Providing and fixing LDPE overhead tank manufactured by Dura /marjan white color or equivalent on top of any floor 600 Gallon Tank		
		1.00	Nos
12	Supply and install 35 gallons electric geyser		
		2.00	Each
13	Providing and fixing at Site Electric Motor of KSB, Grandfos, Siemens or approved equivalent (similar specifications), complete in all respects including all taxes.		
		1.00	Each
			<b>Total</b>
			<b>G.Total</b>

**CIVIL WORKS**

S.No	Description of Items	Quantity	Unit
<b>ELECTRIC WORK OF BUILDING</b>			
1	Light circuit concealed wiring with length upto 75 ft. (25m) 7/29 main and 3/29 for lights and switches from the distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.	40.00	P/Point
2	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc	30.00	P/Point
3	Same as item no 31.3 but <b>wiring for 5Amp</b> . socket outlets from nearest available circuit with a lenth upto 6m (19.68 ft).	30.00	P/Point
4	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall. Description same as in Item 30-129 but with 4 up to 6 gang switch.	20.00	No
5	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.	20.00	No
6	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.	10.00	No
7	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall. supply and instalation of <b>3 pin 15 Amp</b> switch socket unit	10.00	NO
8	Supply and install Energy Saver electric bulbs 25W Philips energy saver	60.00	NO

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**CIVIL WORKS**

S.No	Description of Items	Quantity	Unit
9	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	2.00	Each
10	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.	24.00	Each
	Supply and provision of NASGAS Water cooler 35 Gallon with water filter best quality Aqua/equiliant with warranty including electrical and plumbing fittings.	1.00	Each
	Supply and provision of Dawlance Water Dispenser WD 1060 including electrical fitting	4.00	Each
	Allow for a complete ICT installations - including concealed wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. I/C Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. accodring to drawings	1.00	job
	Supply /Fabricate and fix Kitchen cabinets approved design with high gloss kitchen design sheet size (with ground 20' long x 36" width x 30" height & top with 20' long x 24"wide and 24 "height ) complete with a drawer with handle , and standing Cabinet (4' wide x 7' hieght and 36" depth complete in all respect as per instruction	176.00	sft
	Supply and install kitchen sinks Stainless Steel Inset kitchen sink, 1160.500.2B.LD with: double bowl size: 340 x 400 x 193 mm, 340 x 400 x 190 mm single tap hole, right drainboard A1 waste basket stainer 3 1/2" DIMENSIONS: Overall (wxh): 1160 X 500 mm PM2 Double sink bottletrap 1 1/2" inlcuding the plumbing fitting of 1.5 "PVC pipes and 4" UPVC for sewage connection complete in all respected	1.00	sft
	Supply and install electric Split Air Conditioner "Gree" 1 Ton with rated heating and cooling capacity of 18000 (5400 - 19800) BTU including the wiring required for 7/29 point and switch	6.00	
11	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color back box comprising one incoming MCCBTP/ 60A and outgoing 9 single phase MCB of various capacity having overload & short circuit protection and of 6 KA braking capacity complete with internal wiring earthing, nuetral link, termination blocks, phase indicating lights alongwith 500V voltmeter.	1.00	P.Job
<b>Total</b>			
<b>G.Total</b>			