

बिहार राज्य पुल निर्माण निगम लिमिटेड



(बिहार सरकार का एक प्रतिष्ठान)
वरीय परियोजना अभियंता का कार्यालय



कार्य प्रमंडल, आरा।

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Short Notice Inviting Quotation

Sealed Quotations are invited from B.R.P.N.N.Ltd., Empanelled Works Contractors/ Agencies for Construction of Boundary Wall & Divisional office Building under Works Division Ara, Bihar Rajya Pul Nirman Nigam Ltd.

Rates should be inclusive materials, labour & Carraige cost with all relevant taxes including GST.

Sl. No.	Name of work	Estimate Amount (Rs. In Lacs)	EMD Amount (in Rs.)	Cost of B.O.Q Amount (in Rs.)	Work Period	Remarks
1.	Construction of Boundary Wall & Divisional office Building under Works Division Ara, Bihar Rajya Pul Nirman Nigam Ltd,	Rs. 48.06	Rs. 96,120/-	Rs 5,000/-	06 (Six) Month	BOQ Attached


Sl. No.	Activity	Duration
1.	Download date of bid documents	From – 10.07.2025 (10:00 Hrs.) to 17.07.2025.(15:00 Hrs.) (www.brpnnl.bihar.gov.in)
2.	Last Date/Time for submission of offer/Bid	17.07.2025 upto 15:00 Hrs. (www.brpnnl.bihar.gov.in)
3.	Date & time for opening of offer/Bid	17.07.2025 upto 16:00 Hrs. (www.brpnnl.bihar.gov.in)

The sealed quotation will be received in the office of the undersigned upto 03:00 p.m on or before date 17.07.2025 and will be opened on 17.07.2025 on 04:00 p.m. Interested Empanelled works contractors/agencies may download the BOQ from our website: www.brpnnl.bihar.gov.in. The Empanelled works contractors/ agencies or their authorized representative may be present at the time of opening of the quotations. The envelopes should be addressed to “Senior Project Engineer, Work Division Ara, Bihar Rajya Pul Nirman Nigam Ltd.,” mentioning the name and scope of the work on the envelop. If an envelope is received through post or by hand and is found opened inadvertently, BRPNNL will not be responsible and the quotation may not be considered even if quoting lowest rates. The quotationer should submit PAN, GST & empanelment letter of B.R.P.N.N.Ltd., Work Circle-1 along with rate proposal. The B.R.P.N.N.Ltd. reserves the right to accept or reject any or all proposals without resigning any reason thereof.


Senior Project Engineer
B.R.P.N.N.Ltd
Works Division Ara

Terms and Condition

1. Cost of Earnest Money & B.O.Q Amount is mandatory.
 - i. The firm should have empanelment as Contractor in BRPNNL.
 - ii. Rate quoted shall be inclusive of all type of Taxes, Cess etc.
 - iii. Cost of Earnest Money Rs 96,120.00 (Rs Ninety Six Thousand One Hundred Twenty) only to be paid only offline mode i.e Fixed Deposit/D.D shall be fully endorsed/pledged to the Senior Project Engineer, BRPNNL, Works Division, Ara should be valid not for less than 165 days from last date of submitting of tender document.
 - iv. Cost of B.O.Q amount Rs 5,000.00 (Five Thousand) only to be paid only offline mode i.e Demand Draft in favour of Senior Project Engineer, BRPNNL, Works Division, Ara, Payable at Patna from last date of submitting of tender document.
 - v. All the submitted documents shall have the signature of bidder or their authorized signatories.
 - vi. The envelopes should be addressed to "**Senior Project Engineer, Work Division Ara, Bihar RajyaPulNirman Nigam Ltd.,**" mentioning the name and scope of the work on the envelop.
 - vii. The bidder also must enclose affidavit for Debar / Blacklist.
 - viii. Under signatory reserves the right to accept or reject any or all proposals and cancel quotation without assigning any reason thereof.


Senior Project Engineer
B.R.P.N.N.Ltd
Works Division Ara

**BILL OF QUANTITY FOR CONSTRUCTION OF BOUNDARY WALL & DIVISIONAL OFFICE BUILDING
UNDER WORKS DIVISION, ARA, BIHAR RAJYA PUL NIRMAN NIGAM LIMITED**

Sr. No	S.O.R	Description	unit	Qty	Rate	Amount
1	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All Kinds of soil	cum	16.558		-
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	1.462		
3	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	86.955		
4	4.1.5	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering all work upto plinth level. 1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	1.948		
5	5.33A.1+ 5.33B.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete. All work upto plinth level Proiding M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	27.069		
6	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for.Foundations, footings, bases of columns etc. for mass concrete.	sqm	194.4		
7	5.33A.2. 2+5.33B. 1	Beams, planth beams, girders, bressumers, contilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.Proiding M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	22.863		
8	5.9.6	Centring and shuttering including strutting,propping etc. and removal of form for. Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	151.72		
9	6.1A + 6.1.12/1 + 6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand) Extra for Brick work in superstructure above plinth level upto floor V cum	cum	116.287		
10	13.11.1	Cement plaster in course sand 12 mm cement plaster of mix: 1:3 (1 cement:3 coarse sand)	sqm	1016.4		
11	13.77.2	Distempering with oil bound washa ble distemper of approved brand and manufacture to give an even shade . New work (two or more coats) over and including priming coat with cement primer	sqm	1016.4		
12	13.77A.1	Distempering with 1st quality washable distemper (ready made) of approved manufacturer and of required shade and colour complete. As per manufacture's specifications. Two or more coats on new work	Sqm	1016.4		

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13	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	2000		
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500- 10 mm dia.	Kg	1200		
	5.22.7c	Thermo-Mechanically Treated bars TMTC-500- 12 mm dia.	Kg	2300		
14	10.11.1	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as 7D,F4B,K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Kg	378		
15	13.48.3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications. Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.	Sqm	50.4		
		Carriage of Material				
	1	Cement	MT	46.91		-
	2	Course Sand	cum	71.46		-
	3	Local Sand	cum	2.77		-
	4	Stone Chips	cum	43.81		-
	5	Brick	TH	65.5887375		-
	6	Steel	MT	5.5		-
	Seignorage Fee of Material					
		Coarse Aggregate	cum	43.81		-
		Coarse Sand	cum	71.46		-
		Local Sand	cum	2.77		-
		Brick Class A	No	65588.74		-
1	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All Kinds of soil	cum	63.924		-
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	62.46		-
3	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	89.035		-
4	4.1.5	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering all work upto plinth level. 1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	8.186		-

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5	5.33A.1+ 5.33B.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete. All work upto plinth level Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	18.519		-
6	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.	sqm	43.934		-
7	5.33A.2. 2+5.33B. 1	Beams, planth beams, girders, bressumers, contilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc. Providing M-25 grade R.C.C. instead of M-20 grade R.C.C.	cum	16.241		-
8	5.9.6	Centring and shuttering including strutting,propping etc. and removal of form for.Columns,Pillars, Piers, Abutments, Posts and Struts	sqm	120.637		-
9	6.1A + 6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand)	cum	2.424		-
10	6.1A + 6.1.12/1 + 6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand) Extra for Brick work in superstructure above plinth level upto floor V cum	cum	53.366		-
11	13.11.1	Cement plaster in course sand 12 mm cement plaster of mix: 1:3 (1 cement:3 coarse sand)	sqm	141.84		-
12	13.77.2	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade . New work (two or more coats) over and including priming coat with cement primer	sqm	141.84		-
13	13.77A.1	Distempering with 1st quality washable distemper (ready made) of approved manufacturer and of required shade and colour complete. As per manufacture's specifications. Two or more coats on new work	Sqm	141.84		-
14	13.80 A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	141.84		-
15	13.81.3	Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel work	sqm	37.455		-
16	9.20.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35 mm thick including stainless steel butt hinges with necessary screws.	sqm	18.921		-
17	9.1.2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).	cum	0.297		-

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18	9.147e.1	Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of	sqm	19.08		-
14	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				-
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	2000		-
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500- 10 mm dia.	Kg	400		-
	5.22.7c	Thermo-Mechanically Treated bars TMTC-500- 12 mm dia.	Kg	1050		-
	5.22.7D	Thermo-Mechanically Treated bars TMTC-500- 16 mm dia.	Kg	1050		-
15	11.4	52 mm thick cement concrete flooring with metallic concrete hardener topping under layer 40 mm thick cement concrete 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick metallic concrete hardener consisting of mix 1:2 (1 cement hardener mix:2 stone aggregate 6 mm nominal size) by volume @ 2 liter per 50 kg of cement or as per manufacture specification. This includes cost of cement slurry, etc. but excluding the cost of nosing of steps etc. complete.	sqm	71.912		-
16	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	29.292		-
17	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	5.168		-
18		Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats square or round bars etc all complete fixed to steel windows by welding. For all floor	Kg	135		-

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19	9.66.1	Providing and fixing M.S.handles with necessary screws etc.complete125 mm	Each	20		-
20	9.101.2	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete:Twin rubber stopper	Each	20		-
21	9.62.1	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :300x16mm	Each	20		-
22	9.63.1	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:250x10 mm	Each	20		-
23	9.63.3	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:150x10 mm .	Each	20		-
24	10.17	Providing and fixing M.S.fan clamp type I or II of 16 mm dia.M.S. bar bent to shape with hooked ends in R.C.C slabs during laying including painting the exposed portion of loop,all as per standard design complete.	Each	1		-
25	10.3	Providing and fixing in position collapsible steel shutters with vertical channes 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-tron 40x40x6 mm with 40 mm dia steel pulleys complete with bots.nuts locking arrangement stoppers handies including applying a priming coat of approved steel primer.	sqm	5.497		-
		Carriage of Material				-
	1	Cement	MT	25.7		-
	2	Course Sand	cum	26.8		-
	3	Local Sand	cum	63.8		-
	4	Stone Chips	cum	37.24		-
	5	Brick	TH	13.9726		-
	6	Steel	MT	3.45		-
		Seignorage Fee of Material				-
		Coarse Aggregate	cum	37.24		-
		Coarse Sand	cum	26.8		-
		Local Sand	cum	63.8		-
		Brick Class A	No	13972.58		-
		Proposed PHE works				-
1	B.S.R 12.78.2	Providing and fixing on wall face unplastidsed PVC (working pressure 4 kgf per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. 110 mm diameter.	metre	8		-
2	B.S.R 17.2.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 : W.C. pan with ISI marked black solid plastic seat and lid	Each	1		-

3	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors where required. White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	1		-
4	B.S.R 17.4.3	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	Each	1		-
		Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern.				-
5	B.S.R 17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :	Each	3		-
		White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.				-
6	B.S.R 17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	Each	3		-
		Flexible pipe 32 mm dia				-
7	B.S.R 18.9.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. 20 mm nominal outer dia Pipes	metre	60		-
8	B.S.R 18.8.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes joining 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 E/I Concealed work including cutting chases and making good the wall etc. 15 mm nominal outer dia Pipes	metre	60		-
9	B.S.R 18.9.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm nominal inner dia Pipes	metre	75		-
10	B.S.R 18.48	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.	per litre	1,000		-
11	B.S.R 18.50.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore.	Each	5		-

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12	B.S.R 18.52.1	Providing and fixing C.P. brass stop cock (concealed of standard design and of approved make conforming to IS : 8931 15 mm nominal bore.	Each	2		-
13	B.S.R 19.2.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 150 mm diameter S.W. pipe	metre	50		-
14	B.S.R 19.6.2	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 150 mm dia R.C.C. pipe	metre	10		-
15	B.S.R 19.27.1	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		-
16	B.S.R 19.2.4	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 250 mm diameter S.W. pipe	Metre	5		-
17	B.S.R 19.6.3	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 250 mm dia. R.C.C. pipe	Metre	5		-
18	B.S.R 19.29.1	Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame and vertical grating complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		-
19	B.S.R 19.30.1.1	Constructing brick masonry chamber for Underground C.I. Inspection Chamber and bend with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. Cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg. (weight of cover 23 kg. and weight of frame 15 kg.) RCC top slab with 1:1.5:3 mix (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 mix (1 cement:5 coarse sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm th. with cement mortar 1:3 (1 cement:3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design. Inside dimensions 466x610 mm and 45cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		-
20	B.S.R 19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with brick and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		-
21	B.S.R 19.34.1	Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				-

		100 mm dia	Each	2		-
22		Detailed Estimate for construction of 125 mm x 40 mm x 90 m Tube well Manual Boring	Each	1.00		-
23		Details estimate for constructoin of Septic Tank	Each	1.00		-
24		NON SCHEDULED ITEMS(MARKET RATE)				-
		P.V.C. PIPE				-
		Providing and fixing soil,waste and vent pipes				-
		110 mm dia	Mtr	55		-
		P.V.C. FITTINGS				-
		DOOR TEE 110 mm dia	Each	5		-
		DOOR BEND 110 mm dia	Each	5		-
		BEND 45 110 mm dia	Each	5		-
		VENT COWEL 110 mm dia	Each	5		-
		PIPE CLIP 110 mm dia	Each	25		-
		FLOOR TRAP 110X110 mm dia	Each	12		-
		Proposed Electrical Works				-
	Note :					
(1)		For Internal electrical wiring work, only ISI marked material of make given against their name shall be used				
(a)		PVC insulated copper Conductor cable - Havell's/ Finolex/ Anchor make.				
(b)		PVC Conduit of thickness 1.5 mm/ 2 mm for surface reeased wiring - Polycab/ Kinjal/ Marshall/ make				
(c)		Switches/ Socket outlets -- Anchor/ Cona/ CANY make				
(2)		Unless and otherwise specified only I.S.I maked material shall be used.				
1	1.3	Wiring for light point /fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type modular, phenolic laminated sheet, suitable size M.S. / PVC. box etc as required.				-
	1.3.3	Group C	Nos.	20		-
2	1.5	Wiring for light/ power plug with 2x4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	meter	80		-
3	1.7	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.				-
	1.7.2	2 x 2.5 sq.mm + 1 x 2.5 sq. mm earth wire	meter	200		-
	1.7.4	2 x 6 sq.mm + 1 x 6 sq.mm earth wire.	meter	200		-
4	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular socket outlet and 15/16 amps modular switch, connecvtion etc. as required	Each	20		-
5						-
6	1.24	Supplying and fixing following modular type switch/ socket on the existing switch box / cover including connections etc.as required				-
	1.24.1	5/6 amps switch.	Each	15		-
	1.24.5	6 pin, 5/6 amps socket outlet.	Each	8		-
	1.23.	Supplying and fixing following piano type switch/ socket on the existing switch box / cover including connections etc.as required				-
	1.23.7	Telephone socket outlet	Each			-
	1 23 8	TV antenna socket outlet	Each			-

7	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Each	2		-
8	1.33	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/wooden block including connection etc as required.	Each	2		-
9	1.34	Supplying and fixing batten / angle holder including connection etc as required.	Each	10		-
10	2.12	Supplying and fixing following rating, 240/415 volts "C" curve, miniature circuit breaker suitable for loads of single pole in the existing MCB DB complete with connection, and commissioning etc. as required.				-
	2.12.3	40 amp, Single pole and neutral	Each	2		-
11	2.8	Supplying and fixing following way, single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted, including earthing etc as required. (But without MCB/RCCB/Isolator)				-
	2.8.9	2 + 12 way, Double door,	Each	2		-
12	2.15	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required				-
	2.15.2	63 Amps	Each	2		-
13	2.12	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in existing MCB DB completed with connections, testing and commissioning etc. as required.				-
	2.12.1	6/32 amps, Single Pole	Each	11		-
	2.14	Supplying and fixing following rating, double pole, (single phase and neutral) , 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				-
	2.14.2	40 Amps	Each			-
	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each			-
14	3.4	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	1		-
15	3.9	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	meter	25		-
16	3.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	meter	20		-
17	7.1.1+22 06	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kv grade of following size direct in ground including excavation and refilling the trench etc as required. Upto 35sq mm . 3.5 core, 35 sq.mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	meter	35		-
18	2.3	Providing and fixing following capacity TP&N disconnector fuse switch unit inside the existing panel board with ISI marked HRC fuse including drilling holes in cubical panel, making connections etc. as required.				-
	2.3.3	100 Amps TP&N	Each	1		-



