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BOQ FOR CIVIL AND ELECTRICAL WORK FOR 1) PATHWAYS FOR APPROACH ROADS FOR IHBTQC BUILDING, SUB-STATION BUILDING AND 2) CONSTRUCTION OF BOUNDARY WALL FOR DIRECTOR'S BUNGLOW

SI No	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
A	CIVIL WORK				
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge: for All kinds of soil sqm	Sq M	550.00		
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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. 1. All kinds of soil.	CuM	90.00		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CuM	38.00		
4	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 up to 1.5 m. 1. All kinds of soil	CuM	450.00		
5	Supplying and filling yellow sand under floors, including watering, ramming, consolidating and dressing complete.	CuM	38.00		
6	Brick flat soling with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1 cement : 6 coarse sand)	Sq M	700.00		
7	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sq M	550.00		
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	CuM	20.00		
9	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	CuM	10.00		
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: 1. Cement mortar 1:6 (1 cement : 6 coarse sand)	CuM	45.00		
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : 1. Cement mortar 1:6 (1 cement : 6 coarse sand)	CuM	6.00		

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12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : 1. cement mortar 1:4 (1 cement : 4 coarse sand)	Sq M	65.00		
13	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	Sq M	320.00		
14	20 mm cement plaster of mix : cement: 4 fine sand) 1:4 (1	Sq M	160.00		
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 1. TMTteel bars	Kg	200.00		
16	Centering and shuttering including strutting, propping etc. and removal of form work for : 1. Foundations, footings, bases for columns	Sq M	20.00		
17	Applying priming coats with primer of approved brand and manufacture, having low Volatile Organic Compound content. With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre	Sq M	100.00		
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work @ 0.75 ltr /10 sqm	Sq M	100.00		
19	Providing and fixing M.S. grills of required pattern with M.S. flats, square or round bars, Steel pipes, angles etc. including priming coat with approved steel primer all complete. Fixed to masonry/steel/concrete /wooden openings with rawl plugs, screws, welding, cleats etc. (The payment will be made as per actual weight taken at site)	Kg	2800.00		
20	Disposal of surplus earth/building rubbish/ malba/ similar unserviceable, dismantled or waste material by manual handling including loading, transporting, unloading to approved dumping area for lead upto 500 M for all lifts, including levelling, dressing and compacting complete as per directions of Engineer-in-Charge.	CuM	180.00		
21	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	CuM	25.00		
22	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:13.47.1 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)	Sq M	900.00		

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23	Pointing on brick work or brick flooring with cement mortar 1:3 (1cement : 3 fine sand):13.31.1 Flush / Ruled/ Struck or weathered pointing.	Sq M	160.00		
Sub-Total (A)					
B	ELECTRICAL WORK				
24	Supplying and fixing TP sheet steel enclosure on surface/recess along with 16/25/32 A "C" curve TP MCB complete with connections, testing and commissioning etc. as required. Make:ABB/Legrand/Siemens	Each	2.00		
25	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. AKG/Presto/ISI standard				
a	25 mm	Meter	120.00		
b	32 mm	Meter	150.00		
26	Supplying and drawing following sizes of FRLS PVC insulated copper conductor cable in the existing surface/recessed steel/PVC conduit as required. Make:Havell's/Polycab/ Finolex				
a	6CX4 sq. mm.	Meter	150.00		
b	3CX 1.5 sq. mm.	Meter	120.00		
27	Supplying and fixing Cable End Box (Loose wire box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volt, on surface/recess, complete with testing and commissioning etc. as required. (ISI Standard)	Each	45.00		
28	Supplying, Installation, testing and commissioning of Astronomical time switch of following configuration to be mounted in feeder pillars/Lighting DBs for automatic switching On & OFF of street lights at sun set & sun rising or twilight (Auto ON, Auto OFF, Auto modes) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site etc. complete as required. Make: L&T/Haggard/Legrand				
a	3 Output (1 output per phase) and suitable for three phase supply.	Each	1.00		
29	Supply, Installation and Testing commissioning of 20 watt outdoor type IP 65 protected LED boundary wall Light fixtures complete in all respect. Make: Crompton/Philips/Havell's prior approval from EIC for the make and model number shall be taken by the contractor	Nos.	42.00		
Sub-Total (B)					
Sub Total (A+B)					
In Words Rupees..... Only					

Note:

1. Rate shall be inclusive of all applicable taxes.
2. Rate shall remain firm and fixed during the contract period.
3. Quoted rates shall be valid for 90 days from the due date of submission.

Signature of the Bidder