

<b><u>CIVIL, ELECTRICAL, PLUMBING &amp; ALLIED WORKS FOR EXTERNAL DEVELOPMENT OF CAMPUS OF CIRCLE OFFICE CANARA BANK AT VIPIN KHAND, GOMTI NAGAR, LUCKNOW</u></b>					
<b><u>PART A: CIVIL WORKS</u></b>					
<b>S.No.</b>	<b>Item of Work</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
<b><u>S. H. : I - EARTH WORK</u></b>					
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth all leads and lift included as directed by Engineer-in-charge: All kinds of soil.	Cum	30.00		
1.2	Excavating trenches in all kind of soil of required width for making haunch for fixing Precast Kerb Stone including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 0.4 m. including getting out the excavated soil & then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc & disposig of surplus excavated soil as directed all leads included.				
	a) for making haunch for fixing Precast Kerb Stone	RM	65.00		
1.3	Supplying, stacking, filling/ spreading at site Good earth as required all complete as per directions of Architect/ Bank.	Cum	25.00		
<b><u>S. H. : II - CEMENT CONCRETE WORK</u></b>					
2.1	Providing and laying in position cement concrete of specified grade including the cost of centring and shuttering -				
2.1.1	1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	Cum	2.00		
2.1.2	1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	13.00		
<b><u>S. H. : III - BRICK WORK</u></b>					
3.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation, plinth and superstructure upto floor five level in: Cement mortar 1:6 (1 cement : 6 coarse sand).	Cum	28.00		
3.2	Half brick masonry 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. Cement mortar 1:3 (1 cement :3 coarse sand). Item to Include providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	Sqm	5.00		
<b><u>S. H. : IV - STEEL WORK</u></b>					

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
4.1	Steel work in built up tubular (round, square or rectangular hollow tubes in window grills etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. all complete. Hot finished welded type tubes. Item to Include 2 coats of synthetic enamel paint as/ approval.	Kg	1150.00		
	<b><u>S. H. : V - FLOORING</u></b>				
5.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing all complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : <b>20 mm thick.</b>	Sqm	115.00		
5.2	Providing & fixing 18-20 mm thick <b>Pre- polished Granite Stone</b> (Sira Grey/ Steel Grey/ Tan Brown) as per design on Tow wall top (200-300 mm wide), Wall Cladding, flooring, in risers of steps, tread (of staircase), skirting, dado, Urinal partitions, counter top and pillars as per design. The stone to be fixed with cement mortar 1:3 (1 cement: 3 coarse sand) in design and shape as per drawings over 20 mm (average) thick base/ backing, jointed with grey cement slurry and pointing with white cement mixed with pigment to match the shade of the slab iall complete with base of cement mortar . Item to include fixing of stone after removing existing flooring/ wall cladding (if any) and removing dismantled material to municipal dumping ground all complete as per site requirement.	Sqm	130.00		
5.3	Providing & fixing 18-20 mm thick <b>Flamed/ Shot finish Granite Stone</b> (Sira Grey/ Steel Grey/ Tan Brown) as per design on Tow wall top (200-300 mm wide), Wall Cladding, flooring, in risers of steps, tread (of staircase), skirting, dado, Urinal partitions, counter top and pillars as per design. The stone to be fixed with cement mortar 1:3 (1 cement: 3 coarse sand) in design and shape as per drawings over 20 mm (average) thick base/ backing, jointed with grey cement slurry and pointing with white cement mixed with pigment to match the shade of the slab iall complete with base of cement mortar . Item to include fixing of stone after removing existing flooring/ wall cladding (if any) and removing dismantled material to municipal dumping ground all complete as per site requirement.	Sqm	75.00		
5.4	Extra for making round moulding as per design on the edges of Granite stone slab. The polish on moulding should match the finish of the granite slab.	Metre	350.00		
5.5	Granite cobble flooring with 100 X 100 X 100 cobbles (sample of cobbles shall be approved by Engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:				
5.5.1	Grey Granite Cobbles	Sqm	21.00		
5.5.2	Black Granite Cobbles.	Sqm	21.00		
	<b><u>S. H. : VI - WATERPROOFING</u></b>				

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
6.1	Waterproofing Treatment ( <b>CICO/ Dr. Fixit to be carried out by approved water proofing expert and professional agency only. Contractor has to submit a Performance Guarantee for 10 years for water proofing works in Bank format as per Bank's Engineer/ Architect on Stamp Paper</b> )	Sqm	2215.00		
	Providing and applying heat reflecting roof waterproof coating of PU Acrylic hybrid emulsion technology, reinforced with nano fibres having tough durable elastic membrane with > 200% elongation and capable of reducing surface temperature upto 10°C. The surface shall be first cleaned with water and loose particles to be removed. All the cracks shall be filled with Hybrid Sealant. On the prepared surface, one self priming coat with 50% dilution & two undiluted coats of Roofseal Classic of make Dr. Fixit or approved equivalent to be applied with each coat being perpendicular to previous coat. Each coat shall be allowed to dry for 4 hours before application of next coat. The final system shall be cured for 7 days. Item to include any priming coat as required by the waterproofing agency. Nothing shall be paid extra in this regard.				
6.2	Waterproofing Treatment ( <b>CICO/ Dr. Fixit to be carried out by approved water proofing expert and professional agency only. Contractor has to submit a Performance Guarantee for 10 years for water proofing works in Bank format as per Bank Engineer/ Architect on Stamp Paper</b> ) to be carried out by approved water proofing expert and professional agency only, contractor has to submit a guarantee for 10 years for water proofing of work as per Bank Engineer/ Architect.				
	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry: 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry				
6.2.1	For vertical surface two coats @ 0.70 kg per sqm	Sqm	97.00		
6.2.2	For horizontal surface one coat @1.10 kg per sqm.	Sqm	25.00		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
6.3	Providing and laying water proofing treatment ( <b>CICO/ Dr. Fixit to be carried out by approved water proofing expert and professional agency only. Contractor has to submit a Performance Guarantee for 10 years for water proofing works in Bank format as per Bank Engineer/ Architect on Stamp Paper</b> ) in sunken portion of WCs, bathroom, terraces (upto 10 floors) etc., by applying cement slurry mixed with water proofing cement compound consisting of and applying:	Sqm	40.00		
	(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, cleaning the surface before treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.				
	<b>S. H. : VII - FINISHING</b>				
7.1	Scraping off existing paint/ finish, sand papering and preparing the surface smooth including necessary repairs to scratches etc. and thereafter finishing the walls with Water Proofing Cement Paint of required shade: Old work (Two or more coats applied @ 2.2 kg/10 sqm) over and including base coat of cement primer (applied @ 0.8 ltr/ 10 sqm) all complete as per the directions of Architect/ Bank's Engineer.	Sqm	675.00		
7.2	Wall painting (on existing stone grit plaster facade of building) with water based, Anti algal, weather proof, 100% Acrylic smooth emulsion paint with silicon additives, Apex Ultima of make Asian Paints/ Berger/ ICI Dulux/ Nerolac to give an even shade: Two or more coats on existing work. Item to include cleaning the surface thoroughly & filling the cracks upto 3 mm wide with smartcare crack seal of make Asian Paints/ Berger/ ICI Dulux/ Nerolac. Note: Item to include working heights upto 5th floor, installation of scaffolding/ lift etc.all included & complete as per the directions of Architect/ Bank's Engineer. (Note: Payment shall be made only on the basis of measurement of elevation of the painted area. No additional coefficient for girth, depths in surface etc. over and above the same shall be applicable).	Sqm	5500.00		
7.3	Painting with <b>synthetic enamel paint</b> of approved brand and manufacture to give an even shade: Two or more coats on new/ existing work. Item to include sanding of existing surface to make smooth base for painting and priming with primer of approved brand and manufacture all complete as per the directions of Architect/ Bank's Engineer. (Note: 1 side of grill elevation shall be measured for payment).	Sqm	735.00		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
7.4	Providing and applying white cement based putty of average thickness 2-5 mm of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth all complete as per the directions of Architect/ Bank's Engineer.	Sqm	100.00		
7.5	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content with water thinnable cement primer on wall surface having VOC content less than 50 grams/ litre all complete as per the directions of Architect/ Bank's Engineer.	Sqm	100.00		
7.6	Providing & fixing of 3M make frosting film on existing window/ door Glass. Item to Include deep Cleaning (with chemical as required) of existing Aluminium and glass windows/ doors. Item to include removal of existing window/ door film. Noting extra shall be payable in this regard.	Sqm	890.00		
7.7	Providing & fixing of Sunlight Control Window film (SSF 50 Exterior) of make Garware/ approved equivalent on existing window/ door Glass. Item to Include deep cleaning (with chemical as required) of existing Aluminium and glass windows/ doors. Item to include removal of existing film on window/ door. Nothing extra shall be payable in this regard.	Sqm	400.00		
7.8	Painting on existing aluminium window/ door section ( <b>both side</b> ) with <b>Duco paint</b> of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Berger/ Dulux paint. Item to include repairing & deep cleaning (with chemical) of existing aluminium windows/ door sections all complete as per the directions of Architect/ Bank's Engineer. Extreme Precaution shall be taken while painting by using masking tape, Newspaper etc. to control spread of paint on glass/ wall ( <b>Note</b> : Payment shall be made on basis of measurement of one side of elevation of complete window/ door).	Sqm	1290.00		
<b><u>S. H. : VIII - REPAIRS TO BUILDING</u></b>					
8.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 5.0 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete with levelplast water resistant leveller including disposal of rubbish to the dumping ground all leads included. The surface shall be pre-wetted before application of levelplast. Levelplast shall be mixed thoroughly with mechanical stirrer and only potable water shall be used for mixing. Note: Item to include working heights upto 10th floor, installation of scaffolding, lift etc. all complete as per the directions of Architect/ Bank's Engineer.				
a)	With levelplast water resistant wall leveller of make Birla White or approved equivalent.	Sqm	50.00		
8.2	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/ sqm).	Sqm	50.00		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
8.3	Repairs to <b>washed stone grit plaster</b> on exterior walls height upto 5 floors above ground level of thickness matching with existing finishes in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground all leads included:	Sqm	50.00		
	With base of one layer of 12 mm cement plaster 1:4 (1 cement : 4 coarse sand ), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm nominal size), in panels <b>Note:</b> Item to include working heights upto 10th floor, installation of scaffolding etc. all complete as per the directions of				
8.4	Providing and fixing chicken mesh (Rabbit) under plaster as per the direction of the Architect/ Bank's Engineer.	Sqm	10.00		
8.5	Reusing and re-laying of salvaged existing cement concrete interlocking paver block wherever required as per site condition including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	75.00		
	<b>S. H. : IX - MISCELLANEOUS WORKS</b>				
9.1	Dismantling of existing Paver floor tiles, interlocking blocks, tow wall (brick), old stone cladding, weathered grit plaster, CI pipes, GI pipes, fittings & surplus good earth (within/ adjoining area of the campus and related to the specific works) and disposing off the unserviceable malba from site on day to day basis and stacking serviceable items at instructed location as per instructions of Bank's Engineer/ Architect. Note: The dismatling shall be carried out after	Job	1.00		
9.2	Providing and fixing clear Multiwall Polycarbonate Sheet in 10 mm thickness with aluminium profiles and EPDM gaskets of make LEXAN or approved equivalent as per design over and above existing MS framework all complete as per drawing and directions of Architect/ Bank's Engineer.	Sqm	320.00		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
9.3	Providing and fixing factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali, CNC (Computer numeric control) routed of approved design by Engineer-in -charge which are machine cut for duct/ shaft covering, partitions and facades comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives(maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/ cum and screw withdrawal strength of 1800 N (Face) minimum compressive strength 50 N/mm <sup>2</sup> , modulus of elasticity 850 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with properties of being termite/ borer proof, water/ moisture proof and fire retardant and fixing on M.S (mild steel) frame made of 25 x 25 x 1.5 mm square hollow box section including applying a priming coat of approved steel primer, placed at grid made at 1.0 x 1.0 m or as per requirement at site with necessary stainless steel fasteners and SS screws etc., all complete as per direction of Architect/ Bank's Engineer.	Sqm	55.00		
	<b>S. H. : X - PLUMBING WORKS</b>				
	Plumbing works includes cleaning of surface & removing old connections from site as per instructions. Item also includes all necessary connections with existing pipes, manholes and service lines and necessary liasioning with building authorities.				
10.1	Supply and fixing in position <b>uPVC IS 13592 - 6 Kg/Sqcm - Soil/ waste/ vent pipes</b> conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion for Single socketed pipes including its fittings/ accessories for unplasticised PVC Soil/ waste/ vent pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, coupler, Single tee, bend, pipe clips, plug, bends screws etc., including fixing to the wall with special PVC /MS clamps, laying in floor including covering the same with concrete having 1:2:4 mix (1 cement: 2 coarse sand: 4 stone aggregate 12 mm nominal size). and making connection to all sanitary fittings, with all joints to be sealed with solution, wherever necessary and making chipping good portion to the original condition, complying with standard specification etc., All complete as per direction of Engineer in Charge/				
a	for 75 mm dia nominal bore pipe.	R.Mt.	10.00		
b	for 110 mm dia nominal bore pipe.	R.Mt.	80.00		
10.2	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. <b>External</b>				
a	25 mm nominal dia Pipes	R.Mt.	80.00		
b	32 mm nominal dia Pipes	R.Mt.	40.00		
c	40 mm nominal dia Pipes	R.Mt.	40.00		
d	65 mm nominal dia Pipes	R.Mt.	10.00		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
9.6	Providing and fixing CPVC Ball Valves as per IS standard (with unions etc all complete as per the directions of the Architect/ Bank's Engineer.				
a	on 25 mm dia. Pipe	Each	2.00		
a	on 32 mm dia. Pipe	Each	4.00		
b	on 65 mm dia. Pipe	Each	2.00		
10.3	Providing and fixing on wall face <b>unplasticised Rigid PVC rain water pipes</b> conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion for Single socketed pipes including its fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, coupler, Single tee, bend, pipe clips, plug, screws etc. including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
a)	110 mm diameter	Rmt.	280.00	280.00	
b)	75 mm diameter	Rmt.	50.00	50.00	
10.4	Supplying and fixing in position of the following dia PVC specials such as <b>PVC vent Cowl</b> etc., of approved quality and variety of various size conforming to BIS amend providing leak proof joint etc., including necessary cutting and fixing and giving connection to PVC pipes etc., complete complying with standard specification and as directed by the Departmental Officer.				
a	75mm dia. 6kg class PVC pipes.	Each	5.00		
b	110mm dia. 6kg class pipes.	Each	5.00		
10.5	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams	Each	15.00		
10.6	Providing gola 75 x 75 mm in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge) including finishing with cement mortar 1 : 3 (1 cement : 3 fine sand) as per standard design: <i>in 75 x 75</i>	Mtr.	350.00		
10.7	Making khurras 45 x 45 cm with average minimum thickness of 5 cm cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded s tone aggregate of 20 mm nominal size) over P.V.C. sheet 1m x 1m x 400 micron, finished with 12 mm cement plaster 1 : 3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	Each	15.00		
10.8	Providing & laying Terra Blocks of make GLO, code : Design: 05- Petal, Size: 220mm x 220mm, Thickness:63 mm fixed with cement mortar 1:3 (1 cement : 3 fine sand) , all complete as per direction of Architect/ Banks Engineer.	Sqm	10.00		



S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
10.9	Removing plant and tree infestation with chemical emulsion treatment by injecting chemical emulsion per hole as instructed by drilling holes at 45 degree: With Chlorpyrifos/ Lindane E.C. as per direction of Architect. (Item includes the cost of chemical). <b>Item to include working heights upto 5 floors, installation of scaffolding etc. all complete.</b>	Nos	4.00		
10.10	Providing and fixing in position precast RCC manhole cover and frame of required shape and approved quality. M.D. -10-Circular shape 500 mm internal diameter.	Nos	2.00		
10.11	Providing and fixing in position MS manhole/ catch basin cover and frame of required shape for vehicular movement and approved quality: size approx 500 X 300 mm all complete as per the directions of Architect/ Banks Engineer.	Nos	20.00		
<b><u>S. H. : XI - EXTERNAL DEVELOPMENT</u></b>					
11.1	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	Sqm	80.00		
11.2	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	20.00		
11.3	Providing and laying 60 mm 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, color 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.	Sqm	10.00		
<b><u>PART B: ELECTRICAL WORKS</u></b>					
S.No.	Item of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
<b><u>S. H. : I - CABLES &amp; WIRES</u></b>					
1.1	Supplying of following size of PVC insulated PVC sheathed, aluminium/ Copper conductor armoured/ cable 1.1 KV grade as per technical specifications.				
a	4 x 16 sq mm (Al)	75.00	Mtr.		
b	3 x 2.5 sq mm (Cu)	50.00	Mtr.		
c	3 x 1.5 sq mm (Cu)	290.00	Mtr.		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1.2	Laying of the one no. PVC insulated PVC sheathed, aluminium armoured cable of 1.1 KV grade of following size in ground including excavation of trench, sand cushioning protection covering and refilling the trench as required as per specifications.				
a	MV cable laying up to 25 sq.mm in ground	375.00	Mtr.		
1.3	Laying of following sizes PVC insulated PVC sheathed armoured of 1.1 KV grade in the existing duct shaft/ tray/ false ceiling/ wall including clamping the cable as required.				
a	Size not exceeding 25 sq.mm	50.00	Mtr.		
1.4	Supplying and making end termination of following sizes with brass compression gland including providing and crimping solderless plugs/ ferrules of sizes PVC insulated PVC sheathed armoured cable 1.1 KV grade.				
a	4 x 16 sq mm (Al)	10.00	Set		
b	3 x 2.5 sq mm (Cu)	20.00	Set		
c	3 x 1.5 sq mm (Cu)	190.00	Set		
1.5	Supply and laying of under noted sizes of PVC pipe (6 kg/cm <sup>2</sup> pressure) grade under the road including 1:3:6 cement concrete bed and covering around at 750-1000 mm depth excavation, back filling and making good the same as required.				
a	110 mm dia	25.00	Mtr.		
<b>S. H. : II - LIGHT FITTINGS</b>					
2.1	Supply, installation, testing and commissioning of Mega pole light column with a height of following meter made of die cast aluminium housing, pole top 1 x 45 W LED lamp Wipro make Cat No. Aegis LP11-501 1x 45 W with IP 65 protection rating.	5.00	Nos.		
	2.5 Mtr. Long				
2.2	Supplying and fixing of LED step light of 1 X 3 W/ 7 W lamp complete housed in corrosion proof resistant die-cast aluminium alloy body conforming to IP-55 with weather proof and durable silicone rubber gasket including connection as required Wipro make Cat No. LT51-370/ LT-51-750.	6.00	Nos.		
2.3	Supplying and fixing of IP65 dust-proof and water-resistant garden spike light complete housed in corrosion proof resistant die-cast aluminium alloy body as required Philips make 3 W.	10.00	Nos.		
2.4	Supplying and fixing of IP65 dust-proof and water-resistant garden spike light complete housed in corrosion proof resistant die-cast aluminium alloy body as required Philips make 7 W.	20.00	Nos.		

S.No.	Item of Work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
2.5	Supplying and fixing of IP65 dust-proof and water-resistant extruded aluminium Bollard light complete housed in corrosion proof resistant die-cast aluminium alloy body as required 7 W/ 11 W Wipro make Cat No. LT14-880/ LT14-131.	15.00	Nos.		
2.6	Supplying and fixing of IP65 dust-proof and water-resistant extruded aluminium Up and Down light complete housed in corrosion proof resistant die-cast aluminium alloy body as required 6 W Wipro make Cat No. Garnet DW70227.	50.00	Nos.		
2.7	Supplying and fixing of IP65 dust-proof and water-resistant extruded aluminium recessed type light complete housed in corrosion proof resistant die-cast aluminium alloy body as required 6 W Wipro.	50.00	Nos.		
2.8	Supplying and fixing of IP65 dust-proof and water-resistant extruded aluminium inground light (walkover type fixture) complete housed in corrosion proof resistant die-cast aluminium alloy body as required 6 W Wipro make.	35.00	Nos.		
2.9	LED flexi strip light of 5 mtrs. Length with minimum 144 LEDs per metre and IP 65 rated with driver all complete of make Havells/ Osram/ Wipro.	20.00	Nos.		
2.10	Supply, installation, testing and commissioning of 1 X 150 W LED flood light adjustable flood light luminaires housed in die-cast aluminium with toughened glass with unique lens system conforming to IP-66 etc. Phillips.	4.00	Nos.		
<b>S. H. : III - FEEDER PILLAR</b>					
3	Supply, Installation, testing and commissioning of following outdoor type Feeder Pillar with relevant IP and suitable for 415 volts, 3 phase, 4 wire and 50 Hz AC power supply totally enclosed compartmentalized, fabricated with 2 mm thick CRCA sheet, powder coated siemens grey panel box after seven tank chemical treatment, complete with aluminium busbars (both for main and neutral), incoming & out goings, cable terminations, interconnections, indication lamps, pedestal frame on RCC foundation/ platform of 300 mm height above GL, necessary earth connections conforming to relevant IS codes, specification and drawings (FP-1).				
a)	Incoming : 40 Amp 4 pole 16 kA MCCB ----1 No.				
b)	Timer switch & Contactor - 1 set				
c)	Indicating lamp – 1 set				
	Outgoing				
	32 Amps 4P MCB 10 kA - 3 No.				
	25 Amps DP MCB 10 kA - 1 No.				
	6 Amps DP MCB 10 kA - 15 No.	1	Set		
<b>GRAND TOTAL</b>					