

COCHIN PORT AUTHORITY

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Tender No: T10/T-2102/2026-C

Name of Work : RE-SURFACING OF BRISTOW ROAD & CONSTRUCTION OF FOOTPATH WITH DRAIN & UTILITY DUCT FROM HOSPITAL Jn. TO UDAAN GATE Jn. AT W/ISLAND

SCHEDULE – “II”- SCHEDULE OF QUANTITIES OF WORK TO BE DONE ON CONTRACT

Name and Address of the Vendor:							
Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
A	PART-A : CONSTRUCTION OF NEW FOOTPATH OVER NEW DRAIN & ELECTRICAL CABLE DUCT ALONG BRISTOW ROAD FROM HOSPITAL Jn. TO UDAN GATE Jn.						
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of retrieved steel reinforcement bars at the loactions pointed out by the Engineer-in-charge and disposal of unserviceable material within 50 metres lead as per detailed specifications and directions of Engineer - in- charge.	m ³	391.00	3,953.29	Rupees Three Thousand Nine Hundred Fifty Three and Twenty Nine Paise Only	15,45,736.39	Rupees Fifteen Lakh Forty Five Thousand Seven Hundred Thirty Six and Thirty Nine Paise Only
2	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc. and stacking of serviceable materials at the loactions pointed out by the Engineer-in-charge and disposal of unserviceable material within 50 metres lead as per detailed specifications and directions of Engineer - in- charge.	m	6,184.20	43.80	Rupees Forty Three and Eighty Paise Only	2,70,867.96	Rupees Two Lakh Seventy Thousand Eight Hundred Sixty Seven and Ninety Six Paise Only
3	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., stacking of serviceable materials at the loactions pointed out by the Engineer-in-charge and disposal of unserviceable material within 50 metres lead as per detailed specifications and directions of Engineer - in- charge.	m ²	2,720.00	146.67	Rupees One Hundred Forty Six and Sixty Seven Paise Only	3,98,942.40	Rupees Three Lakh Ninety Eight Thousand Nine Hundred Forty Two and Forty Paise Only
4	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) in all kinds of soil including getting out and disposal of excavated earth lead upto 50 m and for all lift, as per detailed specifications and directions of Engineer - in- charge.	m ³	10,005.00	197.59	Rupees One Hundred Ninety Seven and Fifty Nine Paise Only	19,76,887.95	Rupees Nineteen Lakh Seventy Six Thousand Eight Hundred Eighty Seven and Ninety Five Paise Only
5	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material including up to a lead of 1 kilometre, as per detailed specifications and directions of Engineer - in- charge.	m ³	113.00	468.44	Rupees Four Hundred Sixty Eight and Forty Four Paise Only	52,933.72	Rupees Fifty Two Thousand Nine Hundred Thirty Three and Seventy Two Paise Only
6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading at the dumping ground at distance of maximum 5 km as per detailed specifications and directions of Engineer - in- charge.	m ³	5,000.00	293.83	Rupees Two Hundred Ninety Three and Eighty Three Paise Only	14,69,150.00	Rupees Fourteen Lakh Sixty Nine Thousand One Hundred Fifty Only
7	Providing and laying in position cement concrete of 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) up to plinth level including compacting, curing etc. complete excluding the cost of centering and shuttering as per detailed specifications and directions of Engineer - in- charge.	m ³	1,216.00	8,120.53	Rupees Eight Thousand One Hundred Twenty and Fifty Three Paise Only	98,74,564.48	Rupees Ninety Eight Lakh Seventy Four Thousand Five Hundred Sixty Four and Forty Eight Paise Only
8	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	m ³	3,724.00	10,580.78	Rupees Ten Thousand Five Hundred Eighty and Seventy Eight Paise Only	3,94,02,824.72	Rupees Three Crore Ninety Four Lakh Two Thousand Eight Hundred Twenty Four and Seventy Two Paise Only
9	Centering and shuttering including strutting, propping etc. and removal of form work for various CC / RCC works.	m ²	21,152.00	436.55	Rupees Four Hundred Thirty Six and Fifty Five Paise Only	92,33,905.60	Rupees Ninety Two Lakh Thirty Three Thousand Nine Hundred Five and Sixty Paise Only

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
10	Providing and fixing reinforcement using Fe 550D and above grade for the various RCC works, including conveying, straightening, cutting, bending, welding, lapping and tying in position, fabrication and fixing dowels, shear ties and placing with adequate lapping lengths etc. complete as per drawings, detailed specifications and directions of the Engineer-in-charge	kg	3,50,748.00	120.06	Rupees One Hundred Twenty and Six Paise Only	4,21,10,804.88	Rupees Four Crore Twenty One Lakh Ten Thousand Eight Hundred Four and Eighty Eight Paise Only
11	Providing and laying 300 mm dia 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 as per drawings, detailed specifications and directions of the Engineer-in-charge	m	2,538.00	1,106.86	Rupees One Thousand One Hundred Six and Eighty Six Paise Only	28,09,210.68	Rupees Twenty Eight Lakh Nine Thousand Two Hundred Ten and Sixty Eight Paise Only
12	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 5 mm), including making drainage opening wherever required complete etc. as per drawings, detailed specifications and directions of the Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	m ³	282.00	11,263.01	Rupees Eleven Thousand Two Hundred Sixty Three and One Paise Only	31,76,168.82	Rupees Thirty One Lakh Seventy Six Thousand One Hundred Sixty Eight and Eighty Two Paise Only
13	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per drawings, detailed specifications and directions of the Engineer-in-charge. 80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern.	m ²	11,704.00	1,215.07	Rupees One Thousand Two Hundred Fifteen and Seven Paise Only	1,42,21,179.28	Rupees One Crore Forty Two Lakh Twenty One Thousand One Hundred Seventy Nine and Twenty Eight Paise Only
14	Supplying and laying/ fixing 110mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal as per drawings, detailed specifications and directions of the Engineer-in-charge.	m	3,887.00	338.80	Rupees Three Hundred Thirty Eight and Eighty Paise Only	13,16,915.60	Rupees Thirteen Lakh Sixteen Thousand Nine Hundred Fifteen and Sixty Paise Only
15	Painting two or more coats on new work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	m ²	3,307.30	251.86	Rupees Two Hundred Fifty One and Eighty Six Paise Only	8,32,976.58	Rupees Eight Lakh Thirty Two Thousand Nine Hundred Seventy Six and Fifty Seven Paise Only
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works as per drawings, detailed specifications and directions of the Engineer-in-charge..	kg	3,677.00	127.27	Rupees One Hundred Twenty Seven and Twenty Seven Paise Only	4,67,971.79	Rupees Four Lakh Sixty Seven Thousand Nine Hundred Seventy One and Seventy Nine Paise Only
17	Providing and laying in position cement concrete of 1:2:4 grade up to plinth level (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) excluding the cost of centering and shuttering as per drawings, detailed specifications and directions of the Engineer-in-charge.	m ³	201.00	8,770.42	Rupees Eight Thousand Seven Hundred Seventy and Forty Two Paise Only	17,62,854.42	Rupees Seventeen Lakh Sixty Two Thousand Eight Hundred Fifty Four and Forty Two Paise Only
18	Raking out joints in lime or cement mortar of rubble masonry and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per drawings, detailed specifications and directions of the Engineer-in-charge.	m ²	9,204.00	80.65	Rupees Eighty and Sixty Five Paise Only	7,42,302.60	Rupees Seven Lakh Forty Two Thousand Three Hundred Two and Sixty Paise Only
19	Flush/ Ruled pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : as per drawings, detailed specifications and directions of the Engineer-in-charge..	m ²	9,204.00	429.03	Rupees Four Hundred Twenty Nine and Three Paise Only	39,48,792.12	Rupees Thirty Nine Lakh Forty Eight Thousand Seven Hundred Ninety Two and Twelve Paise Only

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
20	Demolishing stone rubble masonry in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per detailed specifications and directions of the Engineer-in-charge.	m3	2.30	2,737.33	Rupees Two Thousand Seven Hundred Thirty Seven and Thirty Three Paise Only	6,295.86	Rupees Six Thousand Two Hundred Ninety Five and Eighty Five Paise Only
21	Providing 12 mm thick plastering with cement mortar 1:6 (1cement : 6 sand) on walls, trowelled hard including scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-Charge	m2	1,036.00	371.09	Rupees Three Hundred Seventy One and Nine Paise Only	3,84,449.24	Rupees Three Lakh Eighty Four Thousand Four Hundred Forty Nine and Twenty Four Paise Only
22	Supplying and fixing FRP cover with frame for manholes of 600 mm diameter light duty bearing (5T), UV stabilized and permanent set as per BS EN 124, IS 1726 and AASHTO All lifting key holes have High Strength Plastic Alloy / Stainless Steel sockets as per detailed specifications and directions of the Engineer-in-Charge.	Each	104.00	4,500.00	Rupees Four Thousand Five Hundred Only	4,68,000.00	Rupees Four Lakh Sixty Eight Thousand Only
23	Felling trees of the girth beyond 30 cm girth upto and including 60 cm (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material as per detailed specifications and directions of the Engineer-in-Charge	Each	50.00	592.62	Rupees Five Hundred Ninety Two and Sixty Two Paise Only	29,631.00	Rupees Twenty Nine Thousand Six Hundred Thirty One Only
24	Felling trees of the girth beyond 60 cm girth upto and including 120 cm (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material as per detailed specifications and directions of the Engineer-in-Charge.	Each	25.00	2,642.20	Rupees Two Thousand Six Hundred Forty Two and Twenty Paise Only	66,055.00	Rupees Sixty Six Thousand Fifty Five Only
PART A TOTAL:-						13,65,69,421.09	
B	PART-B : RE-SURFACING OF BRISTOW ROAD FROM HOSPITAL Jn. TO UDAAN GATE Jn.						
25	Scarifying the existing bituminous road surface with mechanical means to a depth of 50 mm and disposal of scarified material to the dumping ground within 5km distance as per detailed specifications and directions of the Engineer-in-Charge.	m ²	47,586.70	7.79	Rupees Seven and Seventy Nine Paise Only	3,70,700.39	Rupees Three Lakh Seventy Thousand Seven Hundred and Thirty Nine Paise Only
26	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	m ³	100.00	3,244.23	Rupees Three Thousand Two Hundred Forty Four and Twenty Three Paise Only	3,24,423.00	Rupees Three Lakh Twenty Four Thousand Four Hundred Twenty Three Only
27	Providing and applying tack coat using rapid setting bitumen emulsion conforming to IS:8887 on bituminous surface @ 0.25kg/sqm, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom as per specifications and directions of Engineer-in-Charge.	m ²	47,586.70	10.24	Rupees Ten and Twenty Four Paise Only	4,87,287.81	Rupees Four Lakh Eighty Seven Thousand Two Hundred Eighty Seven and Eighty Paise Only
28	Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60 90 TPH capacity.	m ³	3,570.00	12,281.16	Rupees Twelve Thousand Two Hundred Eighty One and Sixteen Paise Only	4,38,43,741.20	Rupees Four Crore Thirty Eight Lakh Forty Three Thousand Seven Hundred Forty One and Twenty Paise Only
29	Providing and applying tack coat using rapid setting bitumen emulsion conforming to IS:8887 on bituminous surface @ 0.25kg/sqm, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom as per specifications and directions of Engineer-in-Charge.	m ²	47,586.70	10.24	Rupees Ten and Twenty Four Paise Only	4,87,287.81	Rupees Four Lakh Eighty Seven Thousand Two Hundred Eighty Seven and Eighty Paise Only

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
30	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per specifications and directions of Engineer-in-Charge. 40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	m ³	2,380.00	13,388.35	Rupees Thirteen Thousand Three Hundred Eighty Eight and Thirty Five Paise Only	3,18,64,273.00	Rupees Three Crore Eighteen Lakh Sixty Four Thousand Two Hundred Seventy Three Only
31	Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	m ²	8,378.00	832.46	Rupees Eight Hundred Thirty Two and Forty Six Paise Only	69,74,349.88	Rupees Sixty Nine Lakh Seventy Four Thousand Three Hundred Forty Nine and Eighty Eight Paise Only
32	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acrylonitrile) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per specifications and direction of Engineer-in-charge	Each	3,614.00	229.66	Rupees Two Hundred Twenty Nine and Sixty Six Paise Only	8,29,991.24	Rupees Eight Lakh Twenty Nine Thousand Nine Hundred Ninety One and Twenty Four Paise Only
33	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge. Mandatory/ Regulatory sign boards of 900 mm diameter with support length of 3750 mm.	Each	16.00	7,996.58	Rupees Seven Thousand Nine Hundred Ninety Six and Fifty Eight Paise Only	1,27,945.28	Rupees One Lakh Twenty Seven Thousand Nine Hundred Forty Five and Twenty Eight Paise Only

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
34	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. Mandatory/ Regulatory sign boards of 900 mm diametre with support length of 3750 mm	Each	48.00	6,189.17	Rupees Six Thousand One Hundred Eighty Nine and Seventeen Paise Only	297080.16	Rupees Two Lakh Ninety Seven Thousand Eighty and Sixteen Paise Only
	PART B TOTAL:-					8,56,07,079.77	
C	PART -C : Electrical Works.						
35	Dismantling of existing A/GI poles and OH Lines as required.	Each	85.00	1,385.31	Rupees One Thousand Three Hundred Eighty Five and Thirty One Paise Only	1,17,751.35	Rupees One Lakh Seventeen Thousand Seven Hundred Fifty One and Thirty Five Paise Only
36	SITC of 9Mtr long GI octagonal pole made of MS steel having necessary sections if required as per manufactures design with suitable base plate , foundation bolt and necessary single arm each ,min sheet steel thickness 3mm ,suitable for providing 90 W street light fittings, and all materials required for installation like interconnecting cable with 1 Runs of 3.5C x 1.5 sq.mm FR PVC insulated stranded copper conductor flexible cable , bolts, nuts, DIN rail, 6A SP MCB-1 Nos, 32A connectors heavy duty 4way, N.L-2Nos, 3mm thick laminated hylem sheet, includings connection complete as required and all related works as directed by the EIC.	Each	18.00	23,501.99	Rupees Twenty Three Thousand Five Hundred One and Ninety Nine Paise Only	4,23,035.82	Rupees Four Lakh Twenty Three Thousand Thirty Five and Eighty Two Paise Only
37	SITC of 7Mtr long GI octagonal pole made of MS steel having necessary sections if required as per manufactures design with suitable base plate , foundation bolt and necessary single arm each ,min sheet steel thickness 3mm ,suitable for providing 90 W street light fittings, and all materials required for installation like interconnecting cable with 1 Runs of 3.5C x 1.5 sq.mm FR PVC insulated stranded copper conductor flexible cable , bolts, nuts, DIN rail, 6A SP MCB-1 Nos, 32A connectors heavy duty 4way, N.L-2Nos, 3mm thick laminated hylem sheet, includings connection complete as required and all related works as directed by the EIC.	Each	3.00	18,919.11	Rupees Eighteen Thousand Nine Hundred Nineteen and Eleven Paise Only	56,757.33	Rupees Fifty Six Thousand Seven Hundred Fifty Seven and Thirty Three Paise Only
38	Providing RCC foundation with Bolts etc.for as per manufacturer recommendation including all materials for foundation as per the manufacturer drawing for 9 Metre pole by providing neccesary template and all related works as directed by the EIC.	Each	106.00	7,563.80	Rupees Seven Thousand Five Hundred Sixty Three and Eighty Paise Only	8,01,762.80	Rupees Eight Lakh One Thousand Seven Hundred Sixty Two and Eighty Paise Only
39	Re-installation, testing and commissioning of 7/9 Mtr long GI octagonal pole includings necessary cables connection complete as required and all related works as directed by the EIC.	Each	85.00	1,576.91	Rupees One Thousand Five Hundred Seventy Six and Ninety One Paise Only	1,34,037.35	Rupees One Lakh Thirty Four Thousand Thirty Seven and Thirty Five Paise Only
40	Supply, Installation , testing and commissioning of 90 W LED, street light with pressure die-cast housing, high performance polycarbonate optics and IP66 ingress protection. External SPD 10 KV or Above & Internal 4KVinbuilt surge protecton with Top opening driver cover for easy maintenance. Efficiency 140 Lm/W, IK 08, for street lights at Main roads.MAKE : Philips(SIGNIFY) BRP 275 or Equivalent	Each	106.00	3,483.48	Rupees Three Thousand Four Hundred Eighty Three and Forty Eight Paise Only	3,69,248.88	Rupees Three Lakh Sixty Nine Thousand Two Hundred Forty Eight and Eighty Eight Paise Only
41	Supply of 4Cx4 Sq.mm Copper Cables , UG, PVC Insulated, cores laid up, PVC tape/Extruded Innersheathed for Multicore Cables , Armour extruded PVC , 1100V grade as per IS .	m	2,500.00	260.51	Rupees Two Hundred Sixty and Fifty One Paise Only	6,51,275.00	Rupees Six Lakh Fifty One Thousand Two Hundred Seventy Five Only

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42	Laying of one number 4Cx 4 Sq.mm Copper Cables PVC Insulated, PVC sheathed , Armoured, UG power cable of 1.1 KV grade of following through Trench, DWC HDPE pipes etc. as required	m	2,500.00	43.38	Rupees Forty Three and Thirty Eight Paise Only	1,08,450.00	Rupees One Lakh Eight Thousand Four Hundred Fifty Only
43	Supply of 3.5C x I50 Sq.mm Al Cable Aluminium Cables XLPE Insulated, cores laid up, PVC tape/Extruded Innersheathed for Multicore Cables , Armour extruded PVC Type ST2 sheathed. 650/I 100V sgrade as per IS 7098(Part I) I 1988	m	1,500.00	703.85	Rupees Seven Hundred Three and Eighty Five Paise Only	10,55,775.00	Rupees Ten Lakh Fifty Five Thousand Seven Hundred Seventy Five Only
44	Laying of one number 3.5C x I50 Sq.mm PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.	m	1,500.00	73.87	Rupees Seventy Three and Eighty Seven Paise Only	1,10,805.00	Rupees One Lakh Ten Thousand Eight Hundred Five Only
45	Supply and providing of end termination materials such as single compression type brass gland and Al: Lugs for following size of 1.1 KV Al cables- 3.5Cx150 Sq.mm Al Cable	Each	5.00	817.23	Rupees Eight Hundred Seventeen and Twenty Three Paise Only	4,086.15	Rupees Four Thousand Eighty Six and Fifteen Paise Only
46	Supply and laying of 40 mm DWC HDPE pipe through street light cables in ground/wall sides, clamping along wall etc.	m	500.00	110.80	Rupees One Hundred Ten and Eighty Paise Only	55,400.00	Rupees Fifty Five Thousand Four Hundred Only
47	Supplying and laying of 110 mm DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.	m	300.00	290.78	Rupees Two Hundred Ninety and Seventy Eight Paise Only	87,234.00	Rupees Eighty Seven Thousand Two Hundred Thirty Four Only
48	SITC of Poly carbonate material (130 x 130 x 77 mm) IP 65 Hensel or equivalent with metric knockouts for cable entry , cable glands (2 nos), 16 A RYBN connector/Terminal, SP MCB, supports for taking street light connection as required.	Each	110.00	1,901.96	Rupees One Thousand Nine Hundred One and Ninety Six Paise Only	2,09,215.60	Rupees Two Lakh Nine Thousand Two Hundred Fifteen and Sixty Paise Only
49	Supply of Polycarbonate Lights control panel with timer , Contactor, Auto /M switch MCB etc as required Incomings 40A 4P MCB - 1 NO. 40A 4P CONTACTOR - 1 NO. 24 Hr DIGITAL TIME SWITCH - 1 NO. 2A SP control MCB – 1No Outgoings 10A SP MCB – 6Nos	Each	2.00	34,191.96	Rupees Thirty Four Thousand One Hundred Ninety One and Ninety Six Paise Only	68,383.92	Rupees Sixty Eight Thousand Three Hundred Eighty Three and Ninety Two Paise Only
50	Providing pipe earthing for poles with 1 M Cu bonded Rod 100 Micron with 4mm Dia CU wire and giving connections to poles etc. including all the materials as required.	Each	110.00	1,200.00	Rupees One Thousand Two Hundred Only	1,32,000.00	Rupees One Lakh Thirty Two Thousand Only
51	Road cutting for laying the cables and refilling after laying pipes etc.	m	200.00	193.55	Rupees One Hundred Ninety Three and Fifty Five Paise Only	38,710.00	Rupees Thirty Eight Thousand Seven Hundred Ten Only
52	Providing Cement concrete in excavated areas	m ³	5.00	8,605.29	Rupees Eight Thousand Six Hundred Five and Twenty Nine Paise Only	43,026.45	Rupees Forty Three Thousand Twenty Six and Forty Five Paise Only
53	SITC of bollard/GI Light poles 2m with sidewise LED lights with proper protection including CC foundation as required.	Each	12.00	4,503.91	Rupees Four Thousand Five Hundred Three and Ninety One Paise Only	54,046.92	Rupees Fifty Four Thousand Forty Six and Ninety Two Paise Only
54	Removing the existing 11 KV 3C X 240/300 sq mm XLPE PVC insulated cable from the existing duct and re-laying in the newly proposed duct.	m	4,500.00	269.68	Rupees Two Hundred Sixty Nine and Sixty Eight Paise Only	12,13,560.00	Rupees Twelve Lakh Thirteen Thousand Five Hundred Sixty Only
55	Supplying and making straight through cable jointing for 11 KV 240/300 sq mm with cast resin compound, including ferrule and other jointing materials, for size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required.	Each	3.00	10,162.06	Rupees Ten Thousand One Hundred Sixty Two and Six Paise Only	30,486.18	Rupees Thirty Thousand Four Hundred Eighty Six and Eighteen Paise Only
56	SITC of Poly carbonate OD 160 A MV panel with 160 A 4P MCCB as Incomer and 125A 4P MCCB- 1 no., 63 A MCCB -4 nos including foundation.	Each	1.00	1,43,168.29	Rupees One Lakh Forty Three Thousand One Hundred Sixty Eight and Twenty Nine Paise Only	1,43,168.29	Rupees One Lakh Forty Three Thousand One Hundred Sixty Eight and Twenty Nine Paise Only

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ Unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
57	SITC of Poly carbonate OD 160 A MV panel with 160 A 4P MCCB as Incomer and 125A 4P MCCB- 1 no., 63 A MCCB -4 nos including timer panel as specified below Polycarbonate Lights control panel with timer , Contactor, Auto /M switch MCB etc as required Incomings 40A 4P MCB - 1 NO. 40A 4P CONTACTOR - 1 NO. 24 Hr DIGITAL TIME SWITCH - 1 NO. 2A SP control MCB – 1No Outgoings 10A SP MCB – 6Nos including CC foundation as required.	Each	1.00	1,77,360.25	Rupees One Lakh Seventy Seven Thousand Three Hundred Sixty and Twenty Five Paise Only	1,77,360.25	Rupees One Lakh Seventy Seven Thousand Three Hundred Sixty and Twenty Five Paise Only
	TOTAL FOR PART-C					60,85,576.29	Rupees Sixty Lakh Eighty Five Thousand Five Hundred Seventy Six and Twenty Nine Paise Only
	GRAND TOTAL					22,82,62,077.15	Rupees Twenty Two Crore Eighty Two Lakh Sixty Two Thousand Seventy Seven and Fourteen Paise Only
	BIDDER'S QUOTING AREA						
Sl. No.	Description of Work	Departmental Estimated Cost (Rs)	Percentage Quoted above/ below the Departmental Amount by the Bidder		Above/Below		
			* In Figures	*In Words			
	Percenatge Quoted above / below the Departmental Amount shown in the above Schedule	22,82,62,077.15					

* Note

- 1 Only three cells highlighted are only editable
- 2 The Bidder shall quote both in figures and words
- 3 The Bidders shall also quote Above / Below in words themselves under column (5)
- 4 Only two decimal digits will be accepted under "In Figures"
- 5 The rate filled at other places of the document are not acceptable
- 6 No condition shall be accepted