



BSES Yamuna Power Limited

CORRIGENDUM-2 Dated: 07/05/2026

Description	Clarification to bidders
BYPL NIT NO:	CMC/BY/26-27/RS/PM/VK/05, dated: 27.04.2026
NIT description:	Turnkey project for Conversion of overhead electrical network into underground Utility system at two locations (Esplanade & More Sarai road) at Chandani chowk, Delhi

Sl. No	NIT Clause Ref.	Existing clauses	BYPL's Clarifications
1	SECTION- VI, PRICE BID	This clause has been revised.	>Price bid format has been revised which is attached herewith.
2	SECTION- III SCC, CLAUSE NO 7. PAYMENT TERMS	This clause has been revised.	<p>The existing clause 7.1 , 7.1.1 & 7.1.2 is deleted & new clause which is given below instead of this.</p> <p>7.1.1. 80% payment along with 100% taxes & duties shall be released on a pro-rata basis against the submission of bills along with supporting documents, duly certified by the BYPL's Engineer-In-Charge.</p> <p>7.1.2. 10% payment shall be retained from pro-rata bills as quality hold. This payment shall be released against the Quality Certificate issued by the authorized person of BYPL.</p> <p>7.1.3. 10% payment shall be retained from pro-rata bills as security money. This payment shall be released after the completion of the total work and issuance of Work Completion Certificate thereafter by BYPL's Engineer-In-Charge.</p>
3	SECTION-V Scope of work Page no 235 of 268, clause no 3.2.1 point no.10	10. Minimum 30 mm thick, precast (M30 grade) tile shall be provided above cables in duct, provided for mechanical protection.	This clause is changed as " 10. Minimum 10mm thick ceramic tiles (1.5 ft X 2 ft) shall be provided above cable in duct to provide protection. "
4	SECTION-V Scope of work Page no 238 of 268, clause no 3.2.1 point no. 37,	-	New clause is added as " point no. xiii. All types of cable jointing kits (straight through as well as end jointing kit) " .



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NIT description:		Turnkey project for Conversion of overhead electrical network into underground Utility system at two locations (Esplanade & More Sarai road) at Chandani chowk, Delhi	
5	SECTION-V Scope of work Page no 238 of 268, clause no. 3.2.3 point no. V	v. Junction box: a) Internal junction box should consist of Stud type Power terminal block suitable for 4Cx25 sq mm XLPE cable for loop in loop out with adjacent pole, b) 6A, 2pole, MCB to be provided for controlling of LED street light	This clause is changed as " v. Junction box of polycarbonate orange type /FRP: a) Internal junction box should consist of Stud type Power terminal block suitable for 4Cx25 sq mm XLPE cable for loop in loop out with adjacent pole, b) 6A, 2pole, MCB to be provided for controlling of LED street light"
6	General	Electrical Licence	The bidder should possess valid Electrical Contractor License issued by the competent statutory agency to undertake work in NCT Delhi. In case the bidder is not having this license, suitable sub-contractor having a valid license shall be engaged for works at site where copy of valid license shall be submitted to BYPL before the start of the work OR the Bidder to give the undertaking that it will be obtained by them before the start of the work at the site.

Section- VI Price Bid Format

S. NO.	PACKAGE DESCRIPTION	Quantity	UOM	Amount in INR (Excluding GST)	Amount in INR (Including GST)
1	Turnkey Package for Conversion of Overhead Electrical Network into Underground along with Multi Utility Duct (MUD) System at Chandni chowk (Two locations – Esplanade Road & More Sarai Road), Delhi				
1.1	Esplanade Road				
1.1.1	Part A : Duct, Road & Related civil works (As per attached appendix-1a)	1	LOT		
1.1.2	Part B : Electrical works (As per attached appendix-1b)	1	LOT		
Sub - Total					
1.2	More Sarai Road				
1.2.1	Part A : Duct, Road & Related civil works (As per attached appendix-2a)	1	LOT		
1.2.2	Part B : Electrical works (As per attached appendix-2b)	1	LOT		
Sub - Total					
Grand Total (Contract Sum) (1.1+1.2)					
Amount in Words:					

NOTE:	
1)	The bidder is requested to submit their quotes in the attached price breakup given in Appendix–1a, 1b and Appendix–2a, 2b. The total quoted price in above price bid shall be derived based on these appendices. Payment shall be made strictly on the basis of the actual quantities of items executed, as specified in the respective appendices.
2)	The price quoted above shall remain firm for the entire duration of the contract including the extension period, if any.
3)	Reverse Auction (RA) is mandatory. RA methodology shall be informed separately to all the qualified bidders prior to RA.
4)	The bids will be evaluated commercially based on the total all-inclusive price quoted by the bidders. However, BYPL reserves the right to split the work and award the contracts to more than one bidder.
5)	The bidder shall quote the prices strictly in the above format/item description/content. The bid shall be liable for rejection if the contractor fails to do so.
6)	The bidder needs to quote for all the line items as mentioned above; failing which the bids are liable for rejection.
7)	The unit price to be indicated should be exclusive of GST which are to be indicated in separated rows meant for the purpose.
8)	All materials are to be arranged by the contractor and test certificates are to be furnished by the contractor, wherever applicable.

APPENDIX-1a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility duct (MUD) at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
1	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 dewatering, 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/rock.	Cum	2,480.00		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	620.00		
3	Providing and laying in position ready mixed or site batched design mix cement concrete for plain 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 and finishing 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 minimum specified 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 M10 grade with minimum cement content of 220 kg /cum	cum	285.20		
4	Providing and laying in position ready mixed or site batched design mix cement concrete for plain 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 and finishing as per direction of the Engineer-in-charge All works up to plinth level Concrete of M25 grade with minimum cement content of 300 kg /cum Make Ultratech/ACC	Cum	100.00		
5	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	100.00		
6	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level.	kg	20,236.02		

APPENDIX-1a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility duct (MUD) at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
7	Hot dip galvanized structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	6,550.00		
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	4,061.00		
9	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	2,201.00		
10	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in-charge.	cum	744.00		
11	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a sensor based fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing. -M-40 Grade	cum	992.00		
12	Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	per cm depth per cm width per metre length	14,700.00		

APPENDIX-1a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility duct (MUD) at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
13	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.	Sqm	930.00		
14	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	83.70		
15	Providing and laying non-pressure NP3 class (medium 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 :300 mm dia. R.C.C. Pipe	M	550.00		
16	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :For pipes 250 to 300 mm diameter	Each	60.00		
17	Supply, Erection & Installation of Precast/Prestressed Concrete elements in correct & final position with proper line level and plumb at site making all arrangements (i.e cranes, push-pull jacks & all another T & P for lifting Placing & Alignment of elements, within erection tolerance as per IS 15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge and including the cost of sim pads, non shrink grout and steel work i.e.hanger.All work including leads & lifts.				
17.1	RCC precastt U drain opening size 600x600mm Manufactured from M-50 grade of concrete (drain shall take heaviest traffic load).	M	620.00		
17.2	RCC precast trench cover of size Manufactured with M-50 of concrete(cover shall take heaviest traffic load)	M	620.00		
17.3	RCC Utility duct opening size 600x900mm Manufactured from M-50 grade of concrete	M	620.00		
17.4	RCC precast utility duct cover Manufactured with M-50 of concrete	M	620.00		
17.5	RCC chamber opening size 750x1000mm including cover Manufactured from M-50 grade of concrete	Nos	60.00		

APPENDIX-1a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility duct (MUD) at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
17.6	RCC precast box culverts size 600x600mm Manufactured from M-50 grade of concrete	M	50.00		
17.7	RCC Feeder pillar plinth Manufactured from M-30 grade of concrete	Nos	36.00		
17.8	RCC precast street light pole foundation Manufactured from M-30 grade of concrete	Nos	20.00		
17.9	RCC cable duct opening size 600x600mm Manufactured from M-50 grade of concrete	M	620.00		
17.10	RCC precast cable duct cover Manufactured with M-50 of concrete	M	620.00		
17.11	RCC precast utility chamber 1000x1000x1200 including cover Manufactured with M-50 of concrete	NOS	15.00		
17.12	Precast central verge L-Shaped retaining wall, M-50 grade of concrete, as directed by Engineer in charge	M	620.00		
18	Shifting/repairing of utilities (i.e. water, sewer, communication, gas etc.) including all the required materials, tools & tackles, licensed plumbers/ technicians, as directed by engineer incharge.	EA	1,000.00		
19	Providing and fixing 50 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, windows, sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade. Area of slab over 0.5 Sqm (8.2.2.2-AR68)	SQM	600.00		
20	Making opening in RCC slab up to 12 inches thick diamond core cutting machine. Cost is inclusive of all transportation and carriage of M/C to desired floor levels complete as per direction of Engineer Incharge.	EA	200.00		
				Total Amount	
				GST	
				Grand total with GST	

APPENDIX-1b**Electrical work required for conversion of overhead to underground network at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
1	Survey & Mapping of all existing electrical networks / elements	EA	1.00		
2	Transportation of free issue items, provided by BYPL (as detailed in point 36) and as per site requirements from BYPL store/site store to site. Transportation of items provided by Contractor. Loading & unloading all the materials by Crane	per trip	25.00		
3	Installation, testing and commissioning of Feeder Pillars on precast plinth at appropriate locations as per load requirement, i.e., near the load centre on both sides of the road and scada integration	NOS	21.00		
4	Installation of distribution boxes on existing poles, walls or any other suitable structure, to enable supply to consumers on both sides of the road through service cables.	NOS	63.00		
5	Laying of HT/LT cables (all types) in the electrical duct upto Feeder pillar then to poles (if any) & to Distribution boxes as required.	M	3,535.00		
6	Supply & Laying of 50 x 6 mm hot-dip galvanized mild steel earthing strip, in Electric duct.	M	720.00		
7	Providing & doing chemical earthing of feeder pillars, Distribution Boxes etc. Earthing of feeder pillars and distribution boxes shall be done by 50 x 6 mm hot-dip galvanized mild steel earthing strip by connecting with chemical earthing. Connecting of duct strip with the chemical earthing.	NOS	127.00		
8	Providing minimum 50 mm sand bedding in the electrical duct.	M	620.00		
9	Providing brick separation between cables to maintain adequate spacing, followed by another 50 mm sand filling over the cables.	M	620.00		
10	Minimum 10 mm thick tile shall be supply & placed above cables in duct for mechanical protection.	M	620.00		
11	Supplying Radio Frequency Identification (RFID) maker locator as per specifications given in scope of work	NOS	1.00		
12	Radio Frequency Identification (RFID) marker may be provided along the cable route, inside the trench.(Every 15 m of trench length)	NOS	21.00		
13	Safety Tape (Caution Tape) for cable identification may be provided along the cable route, inside the trench.(Along entire trench- 2 tapes per trench).	M	620.00		
14	Termination of cables in feeder pillars using cable glands & end cable termination jointing kit.	NOS	21.00		
15	Termination of cables in Distribution boxes laying cable in HDPE pipes from feeder pillars.	M	630.00		
16	Laying Service cables if laid either through Bus bar box, service pillar or Feeder pillar, to be laid through Conduit pipe with proper clamping to give supply to the consumers.	M	1,850.00		
17	Installing, testing and commissioning of LT ACB, its earthing, end Termination and SCADA integration	NOS	2.00		
18	Installing, testing and commissioning of RMU, its earthing end Termination and SCADA integration	NOS	1.00		
19	Supply Installing, testing and commissioning of safe on Power purifier as per specifications provided in the scope of work	NOS	2.00		
20	Tagging/numbering of feeder pillars, cables, and DBs for easy maintenance.	NOS	94.00		
21	Installation of route markers along cable route be provided.	M	620.00		

APPENDIX-1b**Electrical work required for conversion of overhead to underground network at Espalande Road Chandani chowk, Delhi**

S.no.	Description of item	Unit	Tentative Qty	Unit Rate (₹ e/x GST)	Amount (₹ e/x GST)
22	After proper testing of underground electric network by Physical test, Meggering, DC Voltage test, Hi pot, Continuity, tightness of nuts & bolts at feeder pillar boxes, checking phase sequence, doing continuity test, physical checking of the cable sheath is intact, every equipment such as feeder pillars, street light poles, distribution panels to be properly earthed etc.	EA	1.00		
23	Conversion of existing O/H street light supply to underground system.	EA	1.00		
24	Proper segregation of street light cables from others cables in the electric duct and given connection to 42 Nos street light poles	EA	1.00		
25	If U/G HT cable found in the route, it needs to be placed in the duct	M	100.00		
26	After proper planning and strategy, overhead supply shall be shifted to the underground network by making straight-through joints with existing cables or by connecting new cables directly to the LT side of distribution transformers.	EA	1.00		
27	After stabilization of underground supply, dismantling of overhead (O/H) lines and associated electrical network to be carried out.	EA	1.00		
28	Transportation of dismantled materials such as Cables, Poles, Distribution boxes, Feeder Pillar, Angles etc. to BYPL store / site store.	EA	1.00		
29	Supply, Installation, Testing, and Commissioning (SITC) for FRP Street light poles & its fittings, in-feed cable to be under Electrical vendor scope & SITC of Safe On Power Purifier at pole for safety against leakage current during rain in water logged area to be under Electrical vendor scope.	NOS	42.00		
30	SITC of Distribution Substation Monitoring System (DSMS) for substation and feeder pillars as per attached specification.	NOS	2.00		
31	Supply & Laying of HDPE pipe (Size: 140mm to 200mm Diameter) for undergrounding work & crossing the road wherever required, as per the scope of work & instructed by engineer incharge (EIC)	RMT	300.00		
32	Supply & Installation of 9 meter steel tubular pole with insulation coating and foundation & Grouting as instructed by engineer incharge (EIC)	NOS	5.00		
33	SITC of LV IoT of Feeder Pillars to be under Electrical vendor scope as per attached specification.	NOS	2.00		
				Total Amount	
				GST	
				Grand total with GST	

Note:-The rates shall be inclusive of all consumables & associated accessories, petty items etc.

APPENDIX-2a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility ducts(MUD) at More sarai Road, Chandani chowk, Delhi**

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
1	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 dewatering, getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil/rock.	Cum	2,240.00		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	672.00		
3	Providing and laying in position ready mixed or site batched design mix cement concrete for plain 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 and finishing 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 minimum specified 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 M10 grade with minimum cement content of 220 kg /cum	Cum	291.20		
4	Providing and laying in position ready mixed or site batched design mix cement concrete for plain 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 and finishing as per direction of the Engineer-in-charge All works up to plinth level Concrete of M25 grade with minimum cement content of 300 kg /cum Make Ultratech/ACC	Cum	100.00		
5	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	Sqm	100.00		

APPENDIX-2a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility ducts(MUD) at More sarai Road, Chandani chowk, Delhi**

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
6	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level. (TOR for tie rod & MS for dowel bar)	kg	29,256.98		
7	Hot dip galavanised structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	5,240.00		
8	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	3,878.00		
9	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	2,310.00		
10	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratoryroller, finishing and curing etc. complete as per direction of Engineerin-charge.	cum	630.00		
11	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a censor based fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing.- M-40 Grade	cum	840.00		

APPENDIX-2a

Civil work for conversion of overhead to underground network, including supply & erection of multiutility ducts(MUD) at More sarai Road, Chandani chowk, Delhi

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
12	Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	per cm depth per cm width per metre length	15,900.00		
13	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.	Sqm	840.00		
14	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	151.20		
15	Providing and laying non-pressure NP3 class (medium 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 :300 mm dia. R.C.C. Pipe	M	520.00		
16	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :For pipes 250 to 300 mm diameter	Each	30.00		
17	Supply, Erection & Installation of Precast/Prestressed Concrete elements in correct & final position with proper line level and plumb at site making all arrangements (i.e cranes, push-pull jacks & all another T & P for lifting Placing & Alignment of elements, within erection tolerance as per IS 15916 as per approved shop drawings and all complete as per the direction of Engineer-in-Charge and including the cost of sim pads, non shrink grout and steel work i.e.hanger.All work including leads & lifts.				
17.1	RCC precastt U drain opening size 600x600mm Manufactured from M-50 grade of concrete (drain shall take heaviest traffic load)	M	560.00		

APPENDIX-2a**Civil work for conversion of overhead to underground network, including supply & erection of multiutility ducts(MUD) at More sarai Road, Chandani chowk, Delhi**

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
17.2	RCC precast trench cover of size Manufactured with M-50 of concrete(cover shall take heaviest traffic load)	M	560.00		
17.3	RCC Utility duct opening size 600x900mm Manufactured from M-50 grade of concrete	M	560.00		
17.4	RCC precast utility duct cover Manufactured with M-50 of concrete	M	560.00		
17.5	RCC chamber opening size 750x1000mm including cover Manufactured from M-50 grade of concrete	NOS	30.00		
17.6	RCC precast box culverts size 600x600mm Manufactured from M-50 grade of concrete	M	50.00		
17.7	RCC Feeder pillar plinth Manufactured from M-30 grade of concrete	NOS	40.00		
17.8	RCC precast street light pole foundation Manufactured from M-30 grade of concrete	NOS	60.00		
17.9	RCC cable duct opening size 600x600mm Manufactured from M-50 grade of concrete	M	560.00		
17.10	RCC precast cable duct cover Manufactured with M-50 of concrete	M	560.00		
17.11	RCC precast utility chamber 1000x1000x1200 including cover Manufactured with M-50 of concrete	NOS	15.00		
18	Shifting/repairing of utilities (i.e. Water, Sewer, Communication, Gas etc.) including all the required materials, tools & tackles, licensed plumbers/ technicians, as directed by engineer incharge.	EA	1,000.00		
19	Providing and fixing 50 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, windows, sills, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 Cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing ,curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade. Area of slab over 0.5 Sqm (8.2.2.2-AR68)	SQM	600.00		
20	Making opening in RCC slab up to 12 inches thick diamond core cutting machine. Cost is inclusive of all transportation and carriage of M/C to desired floor levels complete as per direction of Engineer Incharge.	EA	200.00		
				Total Amount	
				GST	
				Grand total with GST	

APPENDIX-2b

Electrical work required for conversion of overhead to underground network at More sarai Road, Chandani chowk, Delhi

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
1	Survey & Mapping of all existing electrical networks / elements	EA	1.00		
2	Transportation of free issue items, provided by BYPL (as detailed in point 36) and as per site requirements from BY PL store/site store to site. Transportation of items provided by Contractor. Loading & unloading all the materials by Crane	per trip	30.00		
3	Installation, testing and commissioning of Feeder Pillars on precast plinth at appropriate locations as per load requirement, i.e., near the load centre on both sides of the road and scada integration	NOS	19.00		
4	Installation of distribution boxes on existing poles, walls or any other suitable structure, to enable supply to consumers on both sides of the road through service cables.	NOS	57.00		
5	Laying of HT/LT cables (all types) in the electrical duct upto Feeder pillar then to poles (if any) & to Distribution boxes as required.	M	2,600.00		
6	Supply & Laying of 50 x 6 mm hot-dip galvanized mild steel earthing strip, in Electric duct.	M	650.00		
7	Providing & doing chemical earthing of feeder pillars, Distribution Boxes, street light poles, ST poles etc. Earthing of feeder pillars and distribution boxes shall be done by 50 x 6 mm hot-dip galvanized mild steel earthing strip by connecting with chemical earthing. Connecting of duct strip with the chemical earthing.	NOS	120.00		
8	Providing minimum 50 mm sand bedding in the electrical duct.	M	560.00		
9	Providing brick separation between cables to maintain adequate spacing, followed by another 50 mm sand filling over the cables.	M	560.00		
10	Minimum 10 mm thick tile shall be supply & placed above cables in duct for mechanical protection.	M	560.00		
11	Radio Frequency Identification (RFID) marker may be provided along the cable route, inside the trench.(Every 15 m of trench length)	NOS	37.00		
12	Safety Tape (Caution Tape) for cable identification may be provided along the cable route, inside the trench.(Along entire trench- 2 tapes per trench).	M	560.00		
13	Termination of cables in feeder pillars using cable glands & end cable termination jointing kit.	NOS	19.00		
14	Termination of cables in Distribution boxes laying cable in HDPE pipes from feeder pillars.	M	570.00		
15	Laying Service cables if laid either through Bus bar box, service pillar or Feeder pillar, to be laid through Conduit pipe with proper clamping to give supply to the consumers.	M	1,975.00		
16	Installing, testing and commissioning of LT ACB, its earthing, end Termination and SCADA integration	NOS	2.00		
17	Installing, testing and commissioning of RMU, its earthing end Termination and SCADA integration	NOS	1.00		
18	Supply Installing, testing and commissioning of safe on Power purifier as per specifications provided in the scope of work	NOS	2.00		
19	Tagging/numbering of feeder pillars, cables, and DBs for easy maintenance.	NOS	80.00		
20	Installation of route markers along cable route be provided.	M	560.00		
21	After proper testing of underground electric network by Physical test, Meggering, DC Voltage test, Hi pot, Continuity, tightness of nuts & bolts at feeder pillar boxes, checking phase sequence, doing continuity test, physical checking of the cable sheath is intact, every equipment such as feeder pillars, street light poles, distribution panels to be properly earthed etc.	EA	1.00		

APPENDIX-2b**Electrical work required for conversion of overhead to underground network at More sarai Road, Chandani chowk, Delhi**

S.No.	Description of item	Unit	Tentative Qty	Unit Rate (₹ ex GST)	Amount (₹ Ex GST)
22	Conversion of existing O/H street light supply to underground system.	EA	1.00		
23	Proper segregation of street light cables from others cables in the electric duct and given connection to 37 Nos street light poles	EA	1.00		
24	If U/G HT cable found in the route, it needs to be placed in the duct	M	150.00		
25	After proper planning and strategy, overhead supply shall be shifted to the underground network by making straight-through joints with existing cables or by connecting new cables directly to the LT side of distribution transformers.	EA	1.00		
26	After stabilization of underground supply, dismantling of overhead (O/H) lines and associated electrical network to be carried out.	EA	1.00		
27	Transportation of dismantled materials such as Cables, Poles, Distribution boxes, Feeder Pillar, Angles etc. to BYPL store / site store.	EA	1.00		
28	Supply, Installation, Testing, and Commissioning (SITC) for FRP Street light poles & its fittings, in-feed cable to be under Electrical vendor scope & SITC of Safe On Power Purifier at pole for safety against leakage current during rain in water logged area to be under Electrical vendor scope.	NOS	37.00		
29	SITC of Distribution Substation Monitoring System (DSMS) for substation and feeder pillars as per attached specification.	NOS	2.00		
30	Supply & Laying of HDPE pipe (Size: 140mm to 200mm Diameter) for undergrounding work & crossong the road wherever required, as per the scope of work & instructed be engineer incharge (EIC)	RMT	600.00		
31	Supply & Installation of 9 meter steel tubular pole with insulationcoating and foundation & Grouting as instructed by engineer incharge (EIC)	NOS	5.00		
32	SITC of LV IoT of Feeder Pillars to be under Electrical vendor scope as per attached specification.	NOS	2.00		
				Total Amount	
				GST	
				Grand total with GST	

Note:-The rates shall be inclusive of all consumbles & associated accessories,petty items etc.