



दिल्ली मेट्रो रेल कॉर्पोरेशन लिमिटेड DELHI METRO RAIL CORPORATION LTD.

(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

Office of the Chief Electrical Engineer/UD

Opp. Frank Anthony Public School, Lala Lajpat Rai Marg, Lajpat Nagar-IV, New Delhi-110024

No. DMRC/Elect./Ph4/UD/DEUD-09/1544

Date: 10.10.2023

LETTER OF ACCEPTANCE

To,
M/s Vishal Enterprises,
SF-10, Cross River Mall,
Shahadara, New Delhi -110032.
Email: vishal.entps@gmail.com

Sub.: Contract DEUD-09: Supply, Installation, Testing and Commissioning of Street Light Poles & High Mast from Keshopur to Derawal Nagar section of Janakpuri - RK Ashram Corridor and Majlis Park to Maujpur corridor under MRTS Ph-4.

Ref.: (i) Your tender submission for the subject work opened dated 27.06.2023 and subsequent post-bid Queries & Replies thereof.
(ii) Your financial submission for the subject work opened dated 04.10.2023.

Dear Sir,

1. With reference to above, Letter of Acceptance (LOA) is hereby issued to you for the above mentioned work at the total cost of ₹ 6,01,80,798.13 (INR Six Crore One Lakh Eighty Thousand Seven Hundred Ninety Eight Rupees and Thirteen Paise only) including all taxes, duties, GST, levies, cess and all other incidental charges required to fulfill the tender conditions including statutory deductions viz. TDS towards income tax / GST / labour cess etc.
2. This letter of acceptance is being sent to you in duplicate. You are requested to return one copy of it duly signed by you on all pages indicating "**Unconditional Acceptance**" thereof so as to reach the undersigned within one week of the receipt of this letter.
3. Shutdown & Coordination with concerned utility owning agencies like TPDDL, BSES, NHAI, PWD, MCD, DDA, BSNL, GAIL, MTNL, IGL, Municipal Corporation, forest department, Irrigation & Flood Control, Gas agencies, road traffic department, Delhi Police, Electrical Inspector to the Govt., other DMRC civil contractors for Land & tree cutting, drainage, sewerage & water supply agency, etc. shall be responsibility of the Contractor at his own risk & cost. Further, the contractor shall also be required to interface closely for approvals or permissions as required for the timely & proper execution of the works and also as per the statutory requirements, including timely handing over the works to owning agencies, at his own cost,


10/10/2023

4. You shall ensure full compliance with Tax and Labour Laws of India with regard to this contract and shall be solely responsible for the same. You shall keep the employer fully indemnified against any liability of tax, interest, penalty, PF, ESI etc. related matters, even which may subsequently arise.
5. Contractor shall be responsible fully for safety of men, material and all his staff as per latest applicable IE Rules, DMRC SHE manual.
6. Contractor shall have to remove the waste materials clean & restore the site immediately after finishing its work and maintain the house keeping during the execution of the work.
7. This Letter of Acceptance shall be treated as '**NOTICE TO PROCEED**' as defined in Clause 8.1 of GCC and the work shall be completed within **24 MONTHS** (Twenty Four months) from the very next day of receipt of LOA.
8. **General Manager/Electrical/UD** of this organization will be the Engineer in-charge for this contract.
9. You are requested to contact **JGM/Elect./UD** immediately for further necessary action in this matter and to start the work.
10. It may please be noted that until a formal agreement is executed, this letter will constitute a binding Contract between you and DMRC. Please take necessary action as required vide Clause Nos. F4 and F5 of Instructions of Tenderers (ITT) regarding signing of agreement and submission of Performance Security & Insurances etc.
11. You are requested to register yourself with **DMRC vendor payment portal (VPP)** for payments etc. as per procedure annexed as Annexure – A.

Thanking you.

Yours faithfully,


10/10/2023

(Harjiwan Vyas)
GM/E/UD

Encl: Bill of Quantities, Annexure - A & One Copy of this letter in duplicate.

ANNEXURE A

In order to facilitate contract management and ensure timely processing of requests made by the vendor, DMRC has implemented the Vendor Payment Portal that will allow the vendor to register themselves, raise payment requests, modify vendor information and request variation in contract. The portal will provide updates to the vendor and DMRC of the current status of the process and help to ensure timely action.

To register on the portal follow these steps

1. Go to : <https://vpp.dmrc.org>
2. Click on vendor sign up button.
3. Enter the required contact information and contract details.
4. The information about nodal officer may be obtained from engineer-in-charge
5. Click on submit button.
6. You will get the message "Your request has been sent to the nodal officer for verification. Once verified, you will receive notification via email and sms."

In case of any queries, click the help button on the landing page:

1. Queries can be sent on the following email id : vpp.support@dmrc.org
2. User manual is available by clicking the button: "Download vendor user manual" on the help page

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Contract : DEUD-09

Name of work:- Supply, Installation, Testing and Commissioning of Street Light Poles & High Mast from Keshopur to Derawal Nagar section of Janakpuri - RK Ashram Corridor and Majlis Park to Maujpur corridor under MRTS Ph-4.

Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
Schedule-A					
1	Fabrication, supply and erection of flange mounted hot dip Galvanized Octagonal Poles of 12 meters height made from 4 mm. thick HT Steel plate, having bottom dia of 200 mm. & top dia of 100 mm. complete with window with hinged cover at a height of 2.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 340mm X 20mm thick on existing cement concrete pedestal as required i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable length and having suitable size tapped holes - 10nos. as reqd.b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4 nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet.c) Supplying and fixing 6 Amp. SPMCB, 'C' Characteristics Curve - 2 No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts.d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable.	Job	50	22,212.35	11,10,617.50
2	Providing and laying in position 1:2:4 reinforced cement concrete foundation of size 750 mm.(L) X 750 mm. wide and 1800 mm. deep i/c excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm. dia- 1960mm long (approx)- 8 Nos. and reinforcement ring of cold twisted bar of 8mm dia - 2800mm (approx) - 10nos. (with 150mm spacing) as required with positioning of foundation bolts (as per item below) and providing 90 mm. (O.D) DWC, HDPE Pipe for cable entry & exit as required. (for 12M Poles)	Job	80	8,181.35	6,54,508.00
3	Supplying and fixing 4 Nos. 25 mm. dia X 800 mm. long GI foundation bolt (EN8grade) with nuts, washer including 2 Nos. template of 4 mm. thick size 310 X 310 mm. with 4 Nos. 28 mm. dia holes, to match with PCD of Pole base plate as reqd (For 12 M Poles)	Job	80	1,727.00	1,38,160.00
4	Fabrication, supply and erection of flange mounted hot dip Galvanized Octagonal Poles of 10 mtr. height made from 4mm. thick HT Steel plate, having bottom dia of 200 mm. & top dia of 100 mm. complete with window with hinged cover at a height of 2.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 300mm X 20mm thick on existing cement concrete pedestal as required. i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable length and having suitable size tapped holes - 10nos. as reqd. b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4 nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet. c) Supplying and fixing 6 Amp. SPMCB, 'C' Characteristics Curve - 2 No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts. d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable	Job	80	16,728.50	13,38,280.00

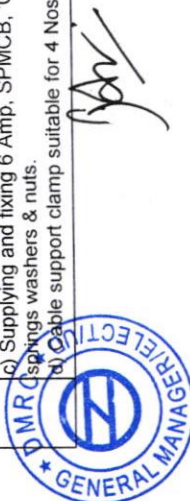
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Contract : DEUD-09

Name of work:- Supply, Installation, Testing and Commissioning of Street Light Poles & High Mast from Keshopur to Derawal Nagar section of Janakpuri - RK Ashram Corridor and Majlis Park to Maujpur corridor under MRTS Ph-4.

Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
5	Fabrication, supply and erection of flange mounted hot dip Galvanized Octagonal Poles of 09 mtr. height made from 4mm. thick HT Steel plate, having bottom dia of 200 mm. & top dia of 100 mm. complete with window with hinged cover at a height of 2.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 300mm X 20mm thick on existing cement concrete pedestal as required. i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable length and having suitable size tapped holes - 10nos. as reqd. b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4 nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet. c) Supplying and fixing 6 Amp, SPMCB, 'C' Characteristics Curve - 2 No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts. d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable	Job	130	15,962.48	20,75,122.40
6	Fabrication, supply and erection of flange mounted hot dip Galvanized Octagonal Poles of 8 meters height made from 4 mm. thick HT Steel plate, having bottom dia of 150 mm. & top dia of 75 mm. complete with window with hinged cover at a height of 0.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 240mm X 16mm thick on existing cement concrete pedestal as required. i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable length and having suitable size tapped holes - 10nos. as reqd. b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet. c) Supplying and fixing 6 Amp, SPMCB, 'C' Characteristics Curve - 1No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts. d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable	Job	230	15,196.44	34,95,181.20
7	Providing and laying in position 1:2:4 reinforced cement concrete foundation of size 600 mm.(L) X 600 mm. wide and 1500 mm. deep i/c excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm. dia- 1660mm long (approx)- 8 Nos. and reinforcement ring of cold twisted bar of 8mm dia - 2200mm (approx) - 10nos. (with 150mm spacing) as required with positioning of foundation bolts (as per item below) and providing 90 mm. (O.D) DWC, HDPE Pipe for cable entry & exit as required. (For 8 Mtr. 9Mtr & 10 Mtr. Pole)	Job	590	5,141.24	30,33,331.60
8	Supplying and fixing 4 Nos. 25 mm. dia X 700 mm. long GI foundation bolt (EN8grade) with nuts, washer including 2 Nos. template of 3 mm. thick size 240 X 240 mm. with 4 Nos. 28 mm. dia holes, to match with PCD of Pole base plate as reqd (For 8 Mtr. 9Mtr & 10 Mtr. Pole)	Job	590	1,283.24	7,57,111.60
9	Fabrication, supply and erection of flange mounted hot dip alvanized Octagonal Poles of 7 meters height made from 4 mm. thick HT Steel plate, having bottom dia of 150 mm. & top dia of 75 mm. complete with window with hinged cover at a height of 0.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 240mm X 16mm thick on existing cement concrete pedestal as required. i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable length and having suitable size tapped holes - 10nos. as reqd. b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet. c) Supplying and fixing 6 Amp, SPMCB, 'C' Characteristics Curve - 1No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts. d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable	Job	150	14,803.52	22,20,528.00



Contract : DEUD-09

Name of work:- Supply, Installation, Testing and Commissioning of Street Light Poles & High Mast from Keshopur to Derawal Nagar section of Janakpuri - RK Ashram Corridor and Majlis Park to Maulpur corridor under MRTS Ph-4.

Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
10	Fabrication, supply and erection of flange mounted hot dip Galvanized Octagonal Poles of 6 meters height made from 4 mm. thick HT Steel plate, having bottom dia of 150 mm. & top dia of 75 mm. complete with window with hinged cover at a height of 0.5 mtrs. from the base for cable termination block etc. and galvanized base plate of size 240mm X 16mm thick on existing cement pedestal as required. i/c supplying and fixing of the following in the window box provided for cable termination :- a) Supplying and fixing 6 mm thick laminated mounted sheet inside the window mounted on and i/c providing and welding 3 nos. G.I strips 4mm thick of suitable ngth and having suitable size tapped holes - 10nos. as reqd. b) Supplying and fixing of 63 Amp terminal block suitable for 25sq.mm conductor -4nos. & shorting links - 5nos. on DIN channel i/c pdg. and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet. c) Supplying and fixing 6 Amp. SPMCB, 'C' Characteristics Curve - 1No. Earth stud-2Nos. welded at suitable height two nos. washers, springs washers & nuts. d) Cable support clamp suitable for 4 Nos of 4x25sqmm cable	Job	50	13,241.34	6,62,067.00
11	Providing and laying in position 1:2:4 reinforced cement concrete foundation of size 400 mm.(L) X 400 mm. wide and 1500 mm. deep i/c excavation of earth, roviding cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm. dia- 1660mm long (approx)- 8 Nos. and reinforcement ring of cold twisted bar of 8mm dia - 1400mm (approx) - 10nos. (with 150mm spacing) as required with positioning of foundation bolts (as per item below) and providing 90 mm. (O.D) DWC, HDPE Pipe for cable entry & exit as required. (For 6 Mtr & 7 Mtr. Pole)	Job	200	3,541.10	7,08,220.00
12	Supplying and fixing 4 Nos. 25 mm. dia X 700 mm. long GI foundation bolt (EN8grade) with nuts, washer including 2 Nos. template of 3 mm. thick size 240 X 240 mm. with 4 Nos. 28 mm. dia holes, to match with PCD of Pole base plate as reqd (For 6 Mtr & 7 Mtr. Pole)	Job	200	1,283.23	2,56,646.00
13	Supply & Erection at site of GI pipe earthing complete with coal & salt as per specification of PWD/utility owning agency and as per approved drawing.	Job	150	2,492.05	3,73,807.50
14	Supply & Erection at site of 1500mm Single arm bracket made up of 48mm dia GI pipe suitable for 6/7/8/9/10 & 12 Mtr poles similar as provided at site by owning agency and as per site requirement.	Job	210	1,710.96	3,59,301.60
15	Supply & Erection at site of 1500mm Double arm bracket made up of 48mm dia GI pipe suitable for 6/7/8/9/10 & 12 Mtr poles similar as provided at site and specification of state PWD/applicable authority as per site requirement.	Job.	180	2,826.80	5,08,824.00
16	Supply & Erection at site of 2000mm Single arm bracket made up of 48mm dia GI pipe suitable for 6/7/8/9/10 & 12 Mtr poles similar as provided at site by owning agency and as per site requirement.	Job	60	2,208.95	1,32,537.00

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Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
17	Supply & Erection at site of 2000mm Double arm bracket made up of 48mm dia GI pipe suitable for 6/7/8/9/10 & 12 Mtr poles similar as provided at site by owning agency and as per site requirement.	Job	310	3,169.00	9,82,390.00
18	Supply 6 SWG dia G.I. Wire as per IS: 280 of (2006) on surface or in recess for loop earthing as required at site.	M	60000	14.88	8,92,800.00
19	Fabrication, Supplying, Installation, Testing & Commissioning of outdoor type cubical feeder pillar (IP55) Single door having 2 nos godown locks and 3 nos. hinges of high quality having extra frontprotection inside the panel with 2 mm polymer sheet (double leaf hinged type with shutter bolts) and heat ventilation arrangement i/c 15 mm projected top cover from all 4 sides and arrangement for protection from rain, dust complete with weather proof canopy, size of feeder pillar not less than 1100mm (W) x 1300mm (H) x 350mm (Deep) made out of CRCA sheet steel of 2mm thick (14 SWG) duly compartmentation to accommodate the energy meter and other accessories having 4 strip Aluminium busbars, duly fixed on M.S. angle iron of size 50 mm X 50 mm X 6 mm (NS) basis frame i/c making foundation of size 1200mm (L) x 450mm (W) x 1000mm (Deep, as 500mm in ground and 500mm above ground) cement concrete 1:2:4 (1 cement 2 sand :4 stone aggregate 20 mm) and reinforcement by minimum 12mm dia steel bars (minimum 35Kg) complete with 6 nos. 12mm dia 800mm long bolts and nuts to fix the feeder pillar in position. complete with 2 nos. 90mm (O.D) DWC HDEP Pipe for cable entry and exit of appropriate length i/c connection, inter connection with aluminum thimbles, earthing with two nos. earth studs duly painted with one coat of red oxide & two coats of superior quality enamel paint complete etc. as reqd. Supplying & Fixing of following accessories in the existing cubical panel board/feeder pillar including connection testing etc. as reqd. a) 125 amp. 25KA MCCB-4 pole - 1 no. b) 100 amp. 3Pole power contractor - 1 no. c) 100 amp. 16KA MCCB - 4 pole - 6 nos. d) KW Meter 96 mm 0-50 KW flush type - 1 no. e) Voltmeter 0-500V 96mm flush type with selector switch - no.1 f) Ammeter 0-100 AMP. 96mm flush type with selector switch and 100/5 Amp. CTs - 1 no. g) Indicator lamps (RYB) with control HRC fuse - 1 set. h) Astro Timer (three phase having compatibility with GCM modern) - 1 no. i) Danger plate - 1 no. j) space for installation of three phase CT operated energy metre for recording energy consumption and as all other accessories required at site.. h) Provision for space for Interface unit (SCADA Unit) i) Hooter with micro switch and necessary circuitry j) Auto / manual by pass arrangements	Jobs	18	81,954.60	14,75,182.80
20	Supply at site double walled corrugated (DWC) High Density poly ethylene (HDPE) pipe of following size having corrugation on the outer wall and plain surface on inner wall conforming to IS : 14930 (part I & II) and as required by utility owning agency.				
i	90 mm outer dia nominal size	M	30000	104.14	31,24,200.00
ii	120mm outer dia nominal size.	M	500	148.78	74,390.00
21	Supply of HDPE pipe as per IS 4984, NP - 4 class of following size.				
i	90 mm outer dia nominal size	M	1500	208.29	3,12,435.00



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Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
ii	120mm outer dia nominal size.	M	1200	308.72	3,70,464.00
22	Supply of HDPE pipe PE-63 grade, DN-160mm and PN-6 Class.	M	150	616.32	92,448.00
23	Supply & Laying in DWC/HDPE/Trench etc at site of XLPE insulated PVC sheathed AL. cond. Armoured cable of 1.1 KV grade conforming to IS: 7098 part - 1 of following size.				
i	4C x 25 sqmm	M	29000	282.68	81,97,720.00
ii	4C x 50 sqmm	M	2500	312.44	7,81,100.00
24	Supply laying testing Jointing complete at site of 3 core 2.5 sq. mm. Copper conductor FR PVC cable for power supply from MCB to fixture.	M	13000	58.02	7,54,260.00
25	Supply & Installation of 6mm thick laminated sheet with 4P, 63 Amp terminal block for suitable for 25 sq mm conductor - 4 nos. & shorting links on DIN channel i/c pdg and fixing DIN channel of suitable length - 2 nos. on the existing laminated sheet and including supplying and fixing 6 amp. SPMCB 'C' Characteristics curve - 2nos	Job.	310	788.00	2,44,280.00
26	Supply of GI strip size 25x6 mm.	M	750	104.14	78,105.00
27	Supply of GI strip size 25x3 mm.	M	100	66.95	6,695.00
28	Supply fixing fabrication and erection at site of Hot-dip Galvanized Steel Materials like channel, angles, flats, cross arms, clamps, hardware, nut-bolts etc. as per directions of Engineer.	Kg	400	72.40	28,960.00
29	Supply at site fixing and painting, of wire mesh fencing all around feeder pillar including cost of wire mess, angle, channel and flat etc. as per approved designs and site requirements.	Sq. Ft.	2200	178.33	3,92,326.00
30	Brick work with common burnt clay modular brick of class designation 7.5 in foundation & plinth in cement mortar 1:4 (1 cement and 4 coarse sand) for toe wall, plinth and foundation etc as per site requirement.	Cum.	100	4,575.52	4,57,552.00
31	Providing 1.0 mtr high temporary barricade including nailing and arrangement for traffic diversion such as traffic signals during construction at site for day and night as per requirement. During construction barricading & arrangement for traffic diversion has to be kept continuously and maintained properly till the completion of all the activities..	RM	400	1,115.84	4,46,336.00
32	Supplying, installation, testing & commissioning of following LED street light fixture with IP 66 & IK 07 protection pressure aluminium die cast housing capable of delivering following nominal system lumens output with a minimum ≥ 130 lumens /watt and a CRI greater than 70 . The luminaire shall have a life class of 50000 hours @L70 for a design ambient of 35 deg C . The inbuilt electronic driver shall operate at power factor > .95 of CCT 5700K minimum internal surge protection of 4 KV with toughened glass /polycarbonated cover LM 79/80 certification to be provided by the manufacturer for LED luminaire /LED chip complete with all accessories.				
i	Appx 250 watt - with Minimum 130 lm/watt	Job.	400	8,779.92	35,11,968.00



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Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
ii	Appx 200 watt -with Minimum 130 lm/watt	Job.	210	8,554.80	17,96,508.00
iii	Appx 180 watt -with Minimum 130 lm/watt	Job.	400	7,766.86	31,06,744.00
iv	Appx 150 watt -with Minimum 130 lm/watt	Job.	180	6,528.65	11,75,157.00
33	Supplying and fixing of light class-B G.I. Pipe of 50 mm dia. (nominal) 3 meter length along the pole for protection of under ground cable as required.	Each	30	2,126.84	63,805.20
34	Supplying and fixing of light class-B G.I. Pipe of 80 mm dia. (nominal) 3 meter length along the pole for protection of under ground cable as required.	Each	30	2,991.18	89,735.40
35	Supplying and fixing of light class-B G.I. Pipe of 100 mm dia. (nominal) 3 meter length along the pole for protection of under ground cable as required.	Each	20	4,070.36	81,407.20
36	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
i	4C X 25 sq. mm	Job.	15	1,257.39	18,860.85
ii	4C X 50 sq. mm	Job.	15	1,257.39	18,860.85
37	Providing and fixing of following rating and breaking capacity and pole MCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel. making connection, etc. as required.	Each	8	3,133.02	25,064.16
i	100 A, 16 KA, TPMCCB	Each	8	3,999.02	31,992.16
ii	125 A, 16 KA, TPMCCB				
38	Supplying & Fixing of Hot molded SMC (Sheet molded Compound) street light pole termination window cover of existing street light poles complete with rubber gasket. G.I. Mounting strip and bolt for mounting, locking arrangement, colour steel grey. Suitable for 5/8/10/12 mtr G.I. Pole (having thickness 3mm)	Jobs.	300	1,078.35	3,23,505.00
39	Fabrication, Designing, Supplying & Fixing of hot dip Galvanized arm bracket of suitable upto 2 meter each side length double over hang having minimum 30 cm length for pole top engagement, with tightening bolt etc. (Design approved by Engineer-in-Charge).	Jobs.	100	2,488.50	2,48,850.00
Schedule-B					
40	Survey and designing of lighting layout plan/location of poles & pole foundation designing etc. by professionals to achieve required lux level as per norms. For complete corridor.	Job	2	30,499.72	60,999.44
41	Centering and shuttering including strutting, propping etc. and removal of form work for street light Foundations.	Sqm.	200	162.96	32,592.00



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Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
42	Erection of old 6/7/8/9/10 & 12 Mtr GI octagonal pole and single/double overhang arms complete as required.	Job	350	1,339.01	4,68,653.50
43	Termination of incoming & outgoing cable in feeder pillar with gland and with proper size lugs etc as per approved drawing and site requirement.	Job	80	743.90	59,512.00
44	Digging of trench (0.75 meter width and 1 meter depth) in normal soil and laying of HDPE DWVC pipe for cable including disposal of material within 50 mtr lead as per directions of Engineer-In-charge.	M	25000	223.17	55,79,250.00
45	Back filling of trench after laying of cable/HDPE/DWVC pipe in trench as per requirement at site.	M	25000	74.39	18,59,750.00
46	Erection, testing and commissioning 6 SWG dia G.I. Wire used for loop earthing as required at site.	M	60000	5.95	3,57,000.00
47	Installation, testing & commissioning of old outdoor type cubical feeder pillar with foundation including cost of concrete and excavation etc and as per approved drawing.	Job	17	8,926.75	1,51,754.75
48	Crossing of Roads by Trenchless technology for HDPE / Metal Pipes of dia 90/ 120/ 160 mm dia. including jointing of pipes but excluding cost of pipe etc. as required at site.	M	700	825.22	5,77,654.00
49	Crossing of Roads by manual mauling for HDPE / Metal Pipes of dia 90/ 120/ 160 mm dia. including jointing of pipes but excluding cost of pipe etc. as required at site.	M	1500	472.82	7,09,230.00
50	Laying, connection, testing and commissioning of GI strip size 25x6 mm.	M	750	33.48	25,110.00
51	Laying, connection, testing and commissioning of GI strip size 25x3 mm.	M	100	31.25	3,125.00
52	Cutting bituminous road including disposal of material within 50 mtr lead as per directions of Engineer-In-charge.	Cum.	400	375.49	1,50,196.00
53	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 mtr lead as per directions of Engineer-In-charge.	Cum.	250	1,292.36	3,23,090.00
54	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material and stacking of serviceable material within 50 metre lead as per direction of Engineer-In-charge.	Sq. m.	1100	86.00	94,600.00
55	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and 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.	Sq. m.	1100	288.27	3,17,097.00
56	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum.	110	174.32	19,175.20
57	Shifting and erection 1.0 mtr high temporary barricade including nailing and arrangement for traffic diversion such as traffic signals during construction at site for day and night as per requirement. During construction barricading & arrangement for traffic diversion has to be kept continuously and maintained properly till the completion of all the activities..	RM	450	223.17	1,00,426.50
58	Conversion of double arm bracket / pole to single arm bracket / pole and painting etc.	Jobs.	150	663.60	99,540.00
59	Dismantling of Street lights pole 6M/7M/8M/9M/10M/12M embedded in cement concrete foundation etc. including removal of lamp fittings, accessories completely and transportation to designated store as per directions of Engineer-In-charge. (Including Use of Crane/Hydra/ Manlifter, and to cut the foundation bolts by welding machine or by grinder including breaking the foundation)	Jobs.	100	2,033.10	2,03,310.00



Signature

Contract : DEUD-09

Name of work:- Supply, Installation, Testing and Commissioning of Street Light Poles & High Mast from Keshopur to Derawal Nagar section of Janakpuri - RK Ashram Corridor and Majlis Park to Maujpur corridor under MRTS Ph-4.

Sr. No.	Description of item	Unit	Qty	Quoted Rate inclusive of taxes (Rs.)	Amount inclusive of taxes (Rs.)
60	Painting the nomenclature on poles/Feeder pillar as per PWD Standard	Jobs.	740	124.42	92,070.80
61	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas, including getting out and disposal of excavated earth lead upto 50 mtr. And lift upto 2 mtr, as directed by engineer-In-Charge.	Cum.	1000	163.25	1,63,250.00
62	Shifting of old Poles along with accessories complete from DMRC store to site/ agency's store by means of Transport including loading & unloading by mobile crane etc. minimum 50 Poles /lot.	Lot	7	9,500.27	66,501.89
High Mast System					
63	Supply of 30M high mast shaft totally hot dip galvanised and suitable for wind velocity as per IS 875PART 3. The mast shafts shall be in three finished sections. It shall also include accessories for 30M high mast including head frame, steel wire rope 6mm dia (7/19 construction) doubledrum winch, Galvanised Lantern carriage arrangement suitable for 12luminaires symmetrically and required all accessories.	Nos.	1	2,80,540.75	2,80,540.75
64	Supply Installation & Commissioning of 350W LED Flood Light with Extruded aluminium heat sink, designed to act as efficient heat dissipater, pressure die-cast aluminium cover on both sides for holding of extruded aluminium heat sink. Luminaire provided with heat resistant toughened glass. High Power LEDs are provided with secondary lens optics to get optimum optical performance. The driver used is specially designed to have built-in surge Protection (4kV), open/short circuit protections. In addition to built-in 4kV surge protection in driver, the LED Flood light is equipped with 10 kV external surge protection. The LED Flood light has separate LED and Driver compartment i.e. driver can be maintained without opening the LED compartment. The LED Flood light is provided with a mounting bracket fixed on pressure die-cast aluminium covers for aiming adjustment. The LED Flood Light has the system lumen efficacy of >=115lm/W. with complete in all respects.	Nos.	24	35,154.86	8,43,716.64
65	Supply of twin aviation obstruction lights of BJAOL 2 with lamps (1 fitting per mast is necessary if no taller structures are in the vicinity)	Nos.	4	2,525.38	10,101.52
66	Supply of control panel housing suitable control circuit for automatic switch ON and OFF of the mast. It shall also have suitable controls for operation of power tool.	Nos.	2	22,343.80	44,687.60
67	Dismantling the existing High Mast tower system 15M/20M/30M with all fitting accessories with modern equipment along with existing cables and with all accessories and keep in contractor's safe custody and restoration of central verge / Footpath and removal of surplus material.	Nos.	3	16,620.68	49,862.04
	Supply, Installation and commissioning of the High Mast System with help of modern engineering practices with existing light, Installation fitting after erection and as required.	Nos.	3	18,467.96	55,403.88
	Supplying at site of Steel reinforcement for R.C.C. work for High Mast foundation as per approved drawing including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	Kg.	2100	70.87	1,48,827.00
	Supply of 30mm diameter bars of grade Fe-500D or more.	Cum.	30	6,847.52	2,05,425.60
	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work of grade M-30 Approved drawing. (For High Mast, Road Restoration)				6,01,80,798.13

Rs. (including GST and other taxes) Rs.

Signature Not Verified
Digitally signed by Jugal Kishor Jain
Date: 2023.10.26 11:23:09 IST
Location: eProcure-EPROC

