



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

स0न0: भाविप्रा/एसएपी/इंजी.(वि.)/विविध/डब्ल्यू ओ-202/2025-26/6455-62 दिनांक:23.09.2025
Ref. No. AAI/SAP/ENGG.(E)/ Misc. /W.O-202/2025-26/ Date 23.09.2025

24

सेवा में,

मेसर्स सिनर्जी लाइटिंग सॉल्यूशंस, 101,
ब्लॉक-क्यूपी पीतमपुरा,
दिल्ली - 110088

M/s Synergy Lighting Solutions,
101, Block-QP Pitampura, Delhi -
110088

विषय:— सफदरजंग हवाई अड्डे, नई दिल्ली में विविध विद्युत कार्य।

Subject:- Misc. Electrical works at Safdarjung Airport, New Delhi.

संदर्भ i) आपकी खोली गई ई-निविदा दिनांक 30.07.2025. (Bid Invitation No: 2025_AAI_238100_1)

Ref: Your e-bid opened on 30.07.2025.

महोदय,

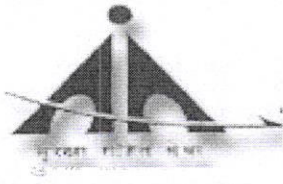
1. उपरोक्त कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल **रु0 1,29,22,195/-** (मात्र एक करोड़ उनतीस लाख बाईस हजार एक सौ पंचानवे रुपये) है जो कि अनुमानित/उचित लागत राशि **रु0 1,39,28,791/-** से **7.23%** कम है (जी.एस.टी. को छोड़कर)।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 1,29,22,195/-** (Rupees One Crore Twenty-Nine Lakhs Twenty-Two Thousand and One Hundred Ninety-Five Only) which is **7.23%** below from the estimated/Justified cost of **Rs. 1,39,28,791/- (excluding GST)**.

2. वरिष्ठ प्रबंधक अभियांत्रिकी (विद्युत), भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली 110003, इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु **08.10.2025** तक वरिष्ठ प्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली-110003 के कार्यालय में उपस्थित हों। संविदा करार **रु0 100/-** (मात्र सौ रुपये) के गैर न्यायिक (नॉन-जूडिशियल) स्टॉप पेपर पर बनाया जाएगा तथा स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

Sr. Manager Engg (Electrical), Safdarjung Airport, New Delhi, shall be the Engineer-in-charge of the work. You are requested to attend the office of the Sr. Manager Engg (Elect), AAI, Safdarjung Airport, New Delhi by **08.10.2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of **Rs.100/-** (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.

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3. आपकी निविदा के साथ प्राप्त Rs. 4,17,864/- (मात्र चार लाख सत्रह हजार आठ सौ चौसठ रुपये) की अग्रिम धन राशि को संविदा दस्तावेज के पृष्ठ ई एन आई टी निविदा -3 पर एन.आई.टी. के खण्ड-16 के अनुसार प्रतिभूति जमा के रूप में प्रयुक्त तथा संपरिवर्तित किया जाएगा। कृपया इस पत्र के जारी होने की तिथि से 30 दिनों के भीतर शेष प्रतिभूति जमा के रूप में Rs. 8,74,356/- (मात्र आठ लाख चौहत्तर हजार तीन सौ छप्पन रुपये) जमा करें अन्यथा इस राशि की कटौती संविदा कागजात के पृष्ठ जी सी सी- 16 पर जी सी सी के खण्ड-1A के अनुसार आपके चालू बिलों से कर ली जाएगी।

The earnest money amount **Rs. 4,17,864/-** (Rupees Four Lakh Seventeen Thousand Eight Hundred and Sixty-Four Only) received along with your tender will be treated and converted as part of security deposit as per conditions at clause no. 16 on page no. E-NIT Tender - 3 of contract document. Please deposit **Rs. 8,74,356/-** (Rupees Eight Lakhs Seventy-Four Thousand Three Hundred and Fifty-Six Only) towards security deposit within 30 days from the date of issue of this letter failing which, the same will be deducted from your running bill as per condition of clause no.- 1A at page no. GCC- 16 of the contract document.

4. आप से अनुरोध है कि आप संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 तथा संविदा श्रम (विनियम एवं उन्मूलन) केन्द्रीय नियम 1971 एवं न्यूनतम मजदूरी अधिनियम के प्रावधानों और केन्द्रीय व राज्य सरकारों के तदसंबंधी नियमों का अनुपालन करें।

You are requested to comply with the provision of contract labour (Regulation & abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules 1971 and minimum wages Act and Rules there of Central and state Govt.

5. आपको प्रबंधक (विधुत) भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा ही किया जाएगा।

You are also directed to contact Manager (Engg.-E), Airports Authority of India, Safdarjung Airport, New Delhi, immediately who will arrange to hand over the site to you.

6. कृपया नोट करें कि कार्य पूरा करने के लिए आपको **06 (छह)** महीने, का समय प्रदान किया जाता है। जोकि दिनांक **03.10.2025** से प्रारम्भ माना जाएगा।

Please note that the time allowed for carrying out the work shall be **06 (Six)** months and same shall be reckoned from **03.10.2025**.

7. ई-निविदा में उठाए गए सभी प्रश्न, स्पष्टीकरण इत्यादि तथा उनका भा.वि.प्रा द्वारा दिया गया उत्तर भी अनुबंध का भाग होगा।

All queries, clarifications etc. raised during e-tendering process and replies there of shall also form part of the agreement.

8. संविदा के सम्बन्ध में भविष्य में किसी भी प्रकार का पत्र व्यवहार इंजीनियर-प्रभारी के नाम से किया जाएगा।

Any further correspondence in connection with the contract should be addressed to the Engineer In-Charge.

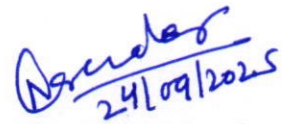


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9. कृपया पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप विधिवत् हस्ताक्षर करके हमें वापस भेजें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.
10. ठेके की दोष दायित्व अवधि 12 (बारह) महीने है जोकि कार्य समाप्ति की तिथि से गिना जाएगा।
The defect liability period is 12 (Twelve) Months after actual date of completion.
11. जीएसटी प्रावधानों का अनुपालन न करने और किसी इनपुट क्रेडिट के अवरुद्ध होने की स्थिति में एएआई की क्षतिपूर्ति करना आपकी जिम्मेदारी होगी।
In case of non-compliance of GST provisions and blockage of any input credit, it shall be your responsibility to indemnify AAI.
12. जीएसटी को छोड़कर दरों में सभी कर शामिल हैं। हालांकि, जीएसटी, जैसा लागू हो, अनुबंध के नियमों और शर्तों के अनुसार वैध जीएसटी चालान के खिलाफ एजेंसी द्वारा एएआई को प्रदान की गई किसी भी कर योग्य आपूर्ति/सेवाओं/निर्माण के लिए ठेकेदार को भुगतान किया जाएगा।
The rates are inclusive of all taxes but excluding of GST. However, GST, as applicable, shall be paid to the contractor for any taxable supply/ services/ construction rendered by the agency to AAI against a valid GST invoices as per terms and conditions of the contract.
13. सभी इनपुट क्रेडिट आपके द्वारा एएआई को दिए जाएंगे।
All input credits will be passed on to AAI by you.
14. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।
In case of any discrepancy, English version will be taken as correct.

भवदीय

Yours faithfully


24/09/2025

(नरेन्द्र कुमार) / (Narender Kumar)

वरिष्ठ प्रबन्धक अभि. (वि.) Sr. Mgr. Engg (E)

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से
For & on behalf of Chairman, Airports Authority of India

संलग्न: शडयूल ऑफ कुएंन्टिटीज
Encl: Schedule of Quantities



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1. विमानपत्तन निदेशक, एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
2. उप महाप्रबंधक (अभि०-विद्युत), एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
3. उप महाप्रबंधक (अभि०-सिविल), एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
4. सहायक महा प्रबंधक (वित्त), एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
5. संबंधित फाइल।
6. कार्य आदेश।
7. एग्रीमेंट फाइल।

Narender
24/09/25

(नरेन्द्र कुमार) / (Narender Kumar)

वरिष्ठ प्रबन्धक अभि.(वि.) Sr. Mgr. Engg (E)

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से

For & on behalf of Chairman, Airports Authority of India

Schedule of Work

Name of Work: Misc. Electrical works at Safdarjung Airport, New Delhi.

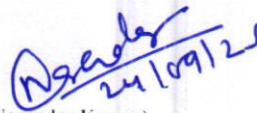
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Supply, Installation, testing and commissioning of MONO Linear wallwasher LED Light made of aluminium extrusion, exterior-rated linear luminaire (1000mm), Input Power 36W, Rated input supply of Input Voltage 24V DC, Luminaire luminous flux Minimum range 2160Lm. IP protection rating : IP67. The luminaire should have multiple beam angle: 10°, 20, 40, 60°, 10X20° (as per site requirement) complete as required. Manufacturer should submit proper BIS certificate.	28.00	Nos.	19500.00	546000.00
2.00	Supply, Installation, testing and commissioning of RGBW linear wallwasher LED Light , made of aluminium extrusion, exterior-rated linear luminaire (1000mm), Product input Power 24 Watt , Product should be equipped with inbuilt DMX 512 decoder with Same Ingress protection of Product for individual addressing and programming , Rated input supply of Input Voltage 24V DC, Luminaire luminous flux Minimum range 960Lm. IP protection rating : IP67. The luminaire should have multiple beam angle: 10°, 20, 40, 60°, 10X20° (as per site requirement) complete as required. Manufacturer should submit proper BIS certificate.	60.00	Nos.	20000.00	1200000.00
3.00	Supply, Installation, testing and commissioning of MONO Linear wallwasher LED Light made of aluminium extrusion, exterior-rated linear luminaire (1000mm), Input Power 24W, Rated input supply of Input Voltage 24V DC, Luminaire luminous flux Minimum range 1440Lm. IP protection rating : IP67. The luminaire should have multiple beam angle: 10°, 20, 40, 60°, 10X20° (as per site requirement) complete as required. Manufacturer should submit proper BIS certificate.	60.00	Nos.	19200.00	1152000.00
4.00	Supply, Installation, testing and commissioning of RGBW linear wallwasher LED Light made of aluminium extrusion, exterior-rated linear luminaire (1000mm), Input Power 15W, Product should be equipped with inbuilt DMX 512 decoder with Same Ingress protection of Product for individual addressing and programming, Rated input supply of Input Voltage 24V DC, Luminaire luminous flux Minimum range 600Lm. IP protection rating : IP67. The luminaire should have multiple beam angle: 10°, 20, 40, 60°, 10X20° (as per site requirement) complete as required. Manufacturer should submit proper BIS certificate.	97.00	Nos.	18900.00	1833300.00
5.00	Supply, Installation, testing and commissioning of RGBW linear wallwasher LED Light made of aluminium extrusion, exterior-rated linear luminaire (1000mm), Input Power 18W, Product should be equipped with inbuilt DMX 512 decoder with Same Ingress protection of Product for individual addressing and programming. Rated input supply of Input Voltage 24V DC, Luminaire luminous flux Minimum range 720Lm. IP protection rating : IP67. The luminaire should have multiple beam angle: 10°, 20, 40, 60°, 10X20° (as per site requirement) complete as required. Manufacturer should submit proper BIS certificate.	55.00	Nos.	19040.00	1047200.00
6.00	Supply, Installation, testing and commissioning of LED linear flexible fully diffused module strip made of Silicon with RGBW LEDs, 15Watts per mtr, Product should be programmable with inbuilt decoder, CRI > 80(for white), 600lumens per mtr. The entire led should be IP67 protected with sealed ends customized as per the various site requirement . Strip to be supplied with Aluminium channel. Manufacturer should submit proper BIS certificate.	86.00	Mtr.	4240.00	364640.00
7.00	Supply, Installation, testing and commissioning of IP67 rated LED Driver for luminaries with Constant Voltage Output 24V DC. Power consumption should be 200W. BIS approved with the same make.	50.00	Nos.	5620.00	281000.00
8.00	Supply, Installation, testing and commissioning of 120W image projector gobo light with IP65 rated with forced cooling system. Gobo should have input voltage- 100-240V AC. Product should be equipped with high power LED with efficacy 100Lm/W. Products lens coated with broadband green film and made of high temperature resistant schott glass. Body of the product made of Aluminium housing with adjustable lens mechanism. Manufacturer should submit proper BIS certificate.	2.00	Nos.	185000.00	370000.00
9.00	Supply, Installation, testing and commissioning of 5M tubular Pole suitable for mounting of Image projector, Pole made up of MS pipe of 114.3 mm (OD) diameter, 3.6 mm thickness and MS Base plate of 225 x 225 x 12 mm and a top plate bracket with dimension of 250 x 250 x 10 mm thick, suitable for mounting one number of projector /GOBO. The post fabricated pole with bracket shall be Hot dip galvanized, minimum 60 micron from inside and outside as per IS 4759/ IS 2629, Pole & bracket with PU paint shall have 3 layer coating of minimum DFT level is 60 Microns. The pole fabricated using MIG welding process. The service door shall be provided at bottom section of pole to accommodate a built in connection box. (With MCB, Connectors) with 4nos of M16X450 long 'J' type EN 8 grade foundation bolts along with common template.	2.00	Nos.	32140.00	64280.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
10.00	Supply, Installation, testing and commissioning of BIS approved 100W RGBW Square shaped Post top light based on DMX512 technology, design and aesthetic appearance providing a high IP 65 for tough environmental conditions, along with beautiful screwless design complementing the geometry of the area with heritage touch. Product should be equipped with DMX 512 decoder with same ingress protection. It should consists of pressure die cast aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistant. Suitable for mounting on pole with OD of 76mm. Clear PC/ PMMA diffuser is used for high lumen, glare free light output, 360° light emission. Powered by BIS certified, built-in, potted electronic LED driver in ABS/ Metal housing with APFC (SMPS based constant current supply) with lower THD, Output Short / Open Circuit protection, Over Voltage protection, Surge Voltage protection 4.0 kV (CM & DM) & other safety test as per IS 15885 Part-2/Sec 13.	26.00	Nos.	54050.00	1405300.00
11.00	Supply, Installation, testing and commissioning of Poly-Steel 3M Post Top Marine Class decorative FRP , 3M pole made from marine-grade fiberglass with UV-stabilized Class-1 polyester composites and 750 GSM glass fiber reinforcement. The inner frame consists of a hot dip galvanized 60 mm OD mild steel pipe (B Class) as per IS: 1161 or IS: 1239 standards, with a base plate conforming to IS 2062:2011, galvanized to average 65 microns post-fabrication for enhanced structural strength against high wind speeds. The poles feature a selfcolored, textured surface finish with scratch-resistant aliphatic grade UV-stabilized PU paint. Suitable for mounting with M14mm x 90mm anchor fasteners (SS 304 grade), This includes an access door at the base for MCB and power cable connections, supporting up to 4Cx16 sq. mm cables. The pole shall be suitable to mount Post top luminaire of 63 ID pipe.	26.00	Nos.	55260.00	1436760.00
12.00	Supply, Installation, testing and commissioning of Signal Booster/Splitter with 8-Way output for spreading and amplifying the DMX Data signals in multiple directions, Input-220-240V AC. BIS approved with the same make.	5.00	Nos.	18500.00	92500.00
13.00	Supply, Installation, Testing and Commissioning of BIS approved DMX 512 Controller for the system including all other accessories. Controller should have Input Power 5-5.5V DC 0.6A and Output Protocol DMX512 with 4 universe. 2 universe should work in Stand Alone Mode and 2 universe should work in live mode with laptop/ tablet/computer. The universe should be expandable from 2 to 4 DMX512 universes. DMX controller should have network controllability feature to control the scene remotely through LAN and triggered via UDP packets on port 2430. Its must have Connections Type C USB, XLR3. There should be provision for Memory microSD card. Device should have Intuitive backlit keyboard with 10 presets and also have provision of keypad on device for changing scene manually from device. Device should be capable to work on Extended triggering possibilities (TCA) & also have a Smart Upgrade Technology (SUT). It is an IP 20 unit and has an Operating Temperature of 0°C to 50°C. OS Requirements for the controller is Mac OS X 10.8-10.12, Windows 7/8/10 64bit Standards ROHS, EMC, BIS approved with the same make	1.00	Nos.	194590.00	194590.00
14.00	Supply, Installation, testing and commissioning of DMX Special cable DMX cable (single pair) having one 22AWG pair stranded (7x30) tinned copper conductors, Datalene (FHDPE) insulation, twisted pairs, overall Beldfoil shield (100% coverage) plus tinned copper braid, PVC jacket Cable.	1850.00	Mtr.	275.00	508750.00
15.00	Programming, Testing, Troubleshooting and synchronization of DMX control system. The addressing of fixtures with the multiple scenes (atleast 20 Themes) as per instruction of engineer in charge.	1.00	Job	50000.00	50000.00
16.00	Supply, Installation, testing and commissioning of enclosure for Power Supply, Splitter, DMX Controller : Plain sides, grey cover, Degree of protection: IP 66/ IP 67, Impact strenght: IK 08, Material, base: Fiberglass reinforced polycarbonate, Material, cover: Polycarbonate, Material, cover screws: Polyamide, Material, gasket: Polyurethane, Colour: RAL 7035	33.00	Nos.	8370.00	276210.00
17.00	Supply, Installation, testing and commissioning of Poly-Steel 3.8M Single arm Marine Class decorative FRP Pole , 3.8 M pole made from marine-grade fiberglass with UV-stabilized Class-1 polyester composites and 750 GSM glass fiber reinforcement. The inner frame consists of a hot dip galvanized 60 mm OD mild steel pipe (B Class) as per IS: 1161 or IS: 1239 standards, with a base plate conforming to IS 2062:2011, galvanized to average 65 microns post-fabrication for enhanced structural strength against high wind speeds. The poles feature a selfcolored, textured surface finish with scratch-resistant aliphatic grade UV-stabilized PU paint. Suitable for mounting with M14mm x 90mm anchor fasteners (SS 304 grade), This include an access door at the base for MCB and power cable connections, supporting up to 4Cx16 sq. mm cables. The pole shall be suitable to mount Post top luminaire of 63 ID pipe.	10.00	Nos.	62140.00	621400.00
18.00	Supply, Installation, testing and commissioning of 45 W LED drop down light fixture made up of aluminum housing optical grade clear injection moulded PC diffuser, High pressure die cast aluminum heat sink, IP 66, IK 08 of impact resistance diffuser protection, CCT 5700K / 3000 K, CRI >70.	10.00	Nos.	14270.00	142700.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
19.00	SITC of Wall/ Floor mounted CPRI tested Timer Based Light Control Panel (Feeder Pillar) with rated Al. Bus Bar suitable for 415V, 3 phase, 4 wire, 50 Hz, power supply distribution system. The panel shall be double door conforming to IP 54. The painting process shall conform to relevant IS code for out door application. I/C: 63A FP MCB - 1 No. + Indication Lamp + 63A FP CONTACTOR (AC-1 duty) + A/M Selector switch + Time switch including making connection, etc. as required O/G : 20A FP MCB - 5 Nos. Complete Set of Feeder Pillar as above	1.00	Set	110000.00	110000.00
20.00	Supply of following sizes of 1.1kv grade multicore Aluminium conductor XLPE insulated PVC sheathed armoured cable (as per IS : 7098:1988 with upto date amendments) complete as required as per specifications.				
20.01	4C x 25 Sqmm Al. LT XLPE Cable	150.00	Mtr	465.00	69750.00
20.02	4C x 10 Sqmm Al. LT XLPE Cable	700.00	Mtr	330.00	231000.00
21.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/ HDPE pipe as required.				
21.01	Upto 35 sq. mm	600.00	Mtr	55.00	33000.00
22.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
22.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	200.00	Mtr	110.00	22000.00
23.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
23.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	50.00	Mtr	110.00	5500.00
24.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
24.01	4C X 10 sq. mm (25mm)	2.00	Each	270.00	540.00
24.02	4C X 25 sq. mm (28mm)	2.00	Each	405.00	810.00
24.03	3.5C X 35 sq. mm (32mm)	1.00	Each	540.00	540.00
25.00	Supply & laying of following sizes P.V.C. insulated & P.V.C. sheathed cable of 1.1 KV grade flexible copper conductor conforming to IS:694 in existing pipe/ conduit including making necessary connection, testing etc. as required.				
25.01	5C x 4.0 Sqmm Copper Flexible Cable	175.00	Mtr	610.00	106750.00
25.02	3C x 2.5 Sqmm Copper Flexible Cable	75.00	Mtr	225.00	16875.00
25.03	2C x 1.5 Sqmm Copper Flexible Cable	300.00	Mtr	100.00	30000.00
26.00	Supplying and laying of following size 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 direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
26.01	63 mm dia (OD-63 mm & ID-51 mm nominal)	800.00	Mtr	160.00	128000.00
27.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
27.01	20 mm	400.00	Mtr	100.00	40000.00
27.02	25 mm	300.00	Mtr	120.00	36000.00
28.00	Supplying and fixing of following sizes of PVC flexible conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
28.01	20 mm	300.00	Mtr	50.00	15000.00
28.02	25 mm	300.00	Mtr	70.00	21000.00
29.00	Junction Box & Accessories Supply & fixing of outdoor type cable Junction Box with terminals/ Connector IP65/66 suitable for Terminating/ Loop-in Loop-out of 4.0/2.5 sqmm Cu flexible cable including all accessories	5.00	Nos.	4320.00	21600.00
30.00	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal/ coke and salt) as required.	4.00	Set	5500.00	22000.00
31.00	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	20.00	Mtr	400.00	8000.00
32.00	Providing and laying in position 1:2:4 reinforced cement concrete foundation (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) made out of M-20 grade concrete of size 350 mm (L) x 350 mm wide and 900 mm deep including excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12mm dia and suitable length - 04 nos. and reinforcement ring of cold twisted bar of 8mm dia and suitable length - 06 nos. (with suitable spacing) as required with positioning of foundation bolt set and providing 63 mm. diameter (O.D) DWC, HDPE Pipe for cable entry & exit etc complete as required.	38.00	Each	7000.00	266000.00

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
33.00	Supply and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting, cutting, jointing etc. through moling at a depth of 75 cms including excavation and refilling as required.	20.00	Mtr	160.00	3200.00
34.00	Feeder pillar SITC of outdoor cubicle type, totally enclosed, free standing, dust free, damp and vermin proof, floor mounted distribution feeder pillar of suitable size on cement concrete foundations on suitable MS angle base frame i/c grouting the stand with concrete mortar (As per standard or directed by EIC) nut bolts etc as required, conforming to IS 5039 & IP 54 and to withstand rough usage and weather. The panel shall be fabricated with 14 SWG M.S. sheet with suitable flat iron frame work complete with hinged door on front with locking arrangement, doors/covers for individual inside compartments, suitable angle/channels frame in the bottom, legs for grouting in foundation, painting etc. including supplying and fixing of following accessories and making inter connections, earth connection etc. as required. The feeder pillar shall comprising of followings: INCOMER 1 No.125 Amp, four pole Moulded Case Circuit Breaker (Ics = Icu = 20KA) with built in thermal magnetic release unit with O/L,S/C as per specification Incomer shall have one set of the following items: 0 - 500 Volt Digital voltmeter, 96 mm square flush pattern, with selector switch, and back up 2 Amp MCBs - 1 Set 1 No. Digital Ammeter (0-125Amp) with selector switch and one set of 3 nos. CTs of ratio 125/5A , Class I accuracy and 15 VA burden- 1set. 3 Nos.phase indicating LED lamps each with 2 amp back up MCB. BUSBARS TPN aluminium bus bars of minimum 200 Amps capacity with heat shrinkable coloured sleeves and i/c, SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 20Ka for 1 sec. OUTGOING 63 Amps 4 pole, 10kA, C-curve MCB - 2 sets 32 Amps 4 pole, 10kA, C-curve MCB - 6 sets	1.00	Job	148000.00	148000.00
				Total Rs.	12922195.00

(Rupees One Crore Twenty-Nine Lakhs Twenty-Two Thousand and One Hundred Ninety-Five Only)


(Narender Kumar)
Sr. Manager Engg.(E)
Safdarjung Airport