



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
मैसूरु हवाई अड्डा / MYSURU AIRPORT
(A Public Sector Undertaking Miniratna Category-1)

No. AAI/MYS/ ENGG(E)/CW-04/2024 / 1841 - 1843

Date: 14.02.2024

To

M/s Mankha Electrotech Private Limited,
Shop No. 54, GF DDA Commercial Shop,
Block 6, Mangolpuri Industrial Area,
Ph-I, Delhi-110083
Email id: sales@mankha.in & info@mankha.in

कार्य का नाम/Name of work: मैसूरु में डीजीसीए की वार्षिक निगरानी निरीक्षण रिपोर्ट वर्ष 2023 के लिए हवाई अड्डा। एसएच: हाई मास्ट लाइटिंग का प्रावधान और मैसूरु हवाई अड्डे पर हवाई क्षेत्र मार्गदर्शन साइनेज। /

“Annual Surveillance Inspection Report of DGCA at Mysuru Airport for year 2023. SH: Provision of High Mast Lighting and Airfield guidance signage's at Mysuru Airport.”

संदर्भ / Ref : आपकी ई-निविदा संख्या: 2024_AAI_181242_1 /

Your e-tender no.: 2024_AAI_181242_1

आपकी ई-निविदा दिनांक 29.01.2024 को खुली /

Your Tender opened on 29.01.2024

महोदय / Dear Sir (s),

- उपर्युक्त कार्य के लिए आपका ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार किया जाता है, आपके द्वारा उद्धृत आइटम दरें कुल ₹ 17,61,368.00 (सत्रह लाख इकसठ हजार तीन सौ अड़सठ रुपये मात्र) (छोड़कर) हैं। जीएसटी जो कि निविदा में लगाई गई उचित लागत ₹ 28,53,290.00 (जीएसटी को छोड़कर) से 38.27% कम है। / Your E-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, item rates quoted by you totaling to **₹ 17,61,368.00 (Rupees Seventeen Lakhs Sixty One Thousand Three Hundred and Sixty Eight Only)** (Excl. GST) which is **38.27 % below** the justified cost put to tender of ₹ 28,53,290.00 (Excl. GST).
- सहा. महाप्रबंधक (इंजीनियरिंग-ई), एएआई, मैसूरु हवाई अड्डा, मैसूरु, कार्य के प्रभारी अभियंता होंगे। आपसे अनुबंध समझौते पर हस्ताक्षर करने और पूरा करने के लिए 23.02.2024 के भीतर एजीएम (इंजीनियरिंग-ई), एएआई, मैसूरु के कार्यालय में उपस्थित होने का अनुरोध किया जाता है। अनुबंध अनुबंध रुपये के मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा। 100/- (रुपए- सौ मात्र) और स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी। / Asst. General Manager (Engg-E), AAI, Mysuru Airport, Mysuru, shall be the Engineer-in-charge of the work. You are requested to attend the office of AGM (Engg-E), AAI, Mysuru within **23.02.2024** to sign and complete the contract agreement. The Contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees- hundred only) and the cost of stamp paper shall be borne by you.

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3. कृपया रुपये जमा करें. इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के रूप में 1,76,137/- (एक लाख छिहत्तर हजार एक सौ सैंतीस रुपये मात्र) का भुगतान किया जाएगा, अन्यथा जीसीसी क्लॉज 1 की शर्तों के अनुसार इसे काट लिया जाएगा। ए) पेज नं. अनुबंध दस्तावेज़ के 21/ Please deposit Rs. **1,76,137/-** (Rupees One Lakh Seventy Six Thousand One Hundred and Thirty Seven only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per condition of GCC Clause 1 (a) page no. 21 of contract document.
4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम १९७० और अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम १९७१ बाल श्रम (निषेध और विनियमन) अधिनियम १९८६, निर्माण श्रमिकों (रोजगार और सेवा की स्थिति का विनियमन) अधिनियम के प्रावधानों का अनुपालन करें। १९९६, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम १९९६ जैसा कि खंड संख्या में निर्दिष्ट है। पृष्ठ संख्या १९ पर। निविदा के जीसीसी के ६२ और केंद्रीय और राज्य सरकार के न्यूनतम मजदूरी अधिनियम और उसके नियम केंद्रीय और राज्य सरकारों के नियम। / You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Act 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction workers (Regulation of Employment and condition of Service) Act 1996, building and other construction workers welfare Cess Act 1996 as specified in Clause no. 19 on page no. 62 of GCC of Tender and rules of central and state Government minimum wages act & Rules thereof central and state Governments.
5. आपको प्रबंधक (इंजीनियरिंग-ई) भारतीय विमानपत्तन प्राधिकरण, मैसूर हवाई अड्डे से तुरंत संपर्क करने का निर्देश दिया जाता है, जो आपको साइट सौंप देंगे। / You are also directed to contact Manager (Engg-E) Airports Authority of India, Mysuru Airport, immediately who will hand over the site to you.
6. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय 03 महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन से की जाएगी। / Please note that the time allowed for carrying out the work shall be 03 Months and same shall be reckoned from 10th day of issue of this letter.
7. अनुबंध के संबंध में कोई भी आगे का पत्राचार आम तौर पर प्रभारी अभियंता, भारतीय विमानपत्तन प्राधिकरण, मैसूर हवाईअड्डा, मैसूर को संबोधित किया जाना चाहिए। / Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge, Airports Authority of India, Mysuru Airport, Mysuru.

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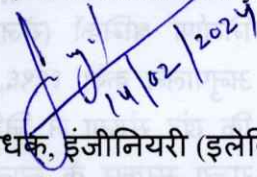
8. कृपया पावती और स्वीकृति की निशानी के रूप में अधोहस्ताक्षरी को यह प्राप्त करने के बाद इसके साथ संलग्न इस पत्र की दूसरी प्रति, हस्ताक्षर कर अधोहस्ताक्षरी को वापस भेजें।

Please acknowledge receipt and return the duplicate copy of this letter enclosed herewith after signing it to the under signed as a token of acceptance.

Thanking you

Encls: Schedule of Quantities

भवदीय/Yours faithfully,



सहायक महाप्रबंधक, इंजीनियरी (इलेक्ट्रिकल),

Asst. General Manager (Engg-E)

अध्यक्ष, भाविप्रा के लिए एवं उनकी ओर से

For and on behalf of the Chairman
Airports Authority of India.

सहायक महाप्रबंधक (इंजी-वि)
Asst. General Manager (Engg - Elect)

प्रतिलिपि/Copy To :

1. एयरपोर्ट डायरेक्टर, एएआई, मैसूर एयरपोर्ट
Airport Director, AAI, Mysuru Airport
2. उप। महाप्रबंधक (इंजीनियरिंग-ई), एएआई, आरएचक्यू, एसआर, चेन्नई।
Dy. General Manager (Engg-E), AAI, RHQ, SR, Chennai.
3. मैनेजर (इंजीनियरिंग-ई), एएआई, मैसूर एयरपोर्ट।
Manager (Engg-E), AAI, Mysuru Airport.
4. वर्क ऑर्डर फाइल। / Work order file.
5. समझौते की फाइल। / Agreement file.

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Asst. General Manager (Engg-E), Airports Authority of India, Mysuru.

Name of Work: Annual Surveillance Inspection Report of DGCA at Mysuru Airport for year 2023.

SH: Provision of High Mast Lighting and Airfield guidance signages at Mysuru Airport.

Contract No: 2024_AAI_181242_1

Name of the Bidder/
Bidding Firm /
Company :

Mankha Electrotech Private Limited

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER	TEXT #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words	TEXT #
1	SH:1 APRON HIGH MAST SITC of 25 Mtr LED High mast, hot dipped galvanised, in three sections made from high tensile Steel suitable for wind speed as per IS 875 part (3), with raising and lowering system, comprising head frame, luminaire carriage suitable to install LED flood light luminaries as per detailed design in asymmetrical arrangement including counter weight loads/load balancing. The system shall also include provision of outdoor stand mounted feeder pillar with 32A TPN MCB incomer, single dial time switch, 25A TP contractor for automatic switching of luminaries, power tool control with 2 no. 9A contactors and raise lower push button, incoming 35sqmm and outgoing 16 & 2.5 sqmm terminals and all accessories like headframe, winch mounting bracket, integral motor powered winch for raising and lowering of lantern carriage mechanical tripping facility, 6mm diameter SS wire rope, ERP insulated trailing cable of size 10cx 2.5sqmm, junction box with suitable connector, manual handle, Lighting finial, Luminaries carriage, etc complete as required.	1	Each	480000.00	480000.00	INR Four Lakh Eighty Thousand Only	

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
2	Construction of shallow foundation with M25 grade concrete for the highmast considering the safe soil bearing capacity at site as 10 T/sqmr at 2 metre depth with all materials and labour suitable for the following mast.					
2.01	For 25 m High mast	1	Job	80000.00	80000.00	INR Eighty Thousand Only
3	Supply of foundation bolt of M24 / 850 x 6no's (For 25m High mast) size manufactured from special steel along with nuts, washers, anchor plate and common template completed as required.	1.00	Set	4200.00	4200.00	INR Four Thousand Two Hundred Only
4	Supply of LED flood light luminaires having rated power of 350W , with 42000 lumen with 5 year warranty designed with long life LEDs, integral driver with surge protection, with minimum IP-65 protection frame including all accessories. (Make : Bajaj, Model no :Praze F 420L WH NB-A5 TG SD or Equivalent)	6.00	Each	12000.00	72000.00	INR Seventy Two Thousand Only
5	Supply of LED flood light luminaires having rated power of 400W with 48000lm with 5 year warranty designed with long life LEDs, integral driver with surge protection, with minimum IP-65 protection frame including all accessories(Make : Bajaj, Model no :Praze F 480L WH NB-A3 TG SD or Equivalent)	8.00	Each	13500.00	108000.00	INR One Lakh Eight Thousand Only
6	SITC of LED Type red aviation Double dome obstruction light fitting suitable for operation on 230V ,50Hz AC single phase power supply with all accessories complete as required	3.00	Each	4800.00	14400.00	INR Fourteen Thousand Four Hundred Only
7	Installation, testing and commissioning of 250/300/350/640 W LED Flood lights or as per site requirements on the existing lantern carriage including fixing the fittings with M10 Stainless Steel Nuts & double bolts,with all wiring materials like PVC insulated PVC sheathed flexible 3Cx 2.5 sq. mm Copper Cable from Junction box of Lantern Carriage to individual light fittings, lugs, mounting accessories and all labour etc complete as required.	10.00	Job	600.00	6000.00	INR Six Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
8	Providing and fixing of MS C Channel fencing of size 100mm x 50mmx5mm (Thickness) running along the length of fencing at a height of 1.00 mtr from ground and width of 3.00mtr, including cutting, hoisting, fixing in position and applying paint of two coat epoxy primer and two coat epoxy paint with Red & White shade etc complete as required.	4.00	Job	35280.00	141120.00	INR One Lakh Forty One Thousand One Hundred & Twenty Only
9	Supply of following sizes of XLPE insulated and PVC Sheathed Armoured Aluminium conductor cable of 1.1 KV grade as per IS 7098 (Part 1) with upto date amendments.					
9.01	3.5C x 35 Sqmm	200	Meter	238.00	47600.00	INR Forty Seven Thousand Six Hundred Only
10	Supply and laying of following sizes of copper conductor cable flexible cable of 1.1 KV grade for high mast interconnection as per IS 7098 (Part 1) with upto date amendments.					
10.01	4Cx10 Sqmm	50	Meter	585.00	29250.00	INR Twenty Nine Thousand Two Hundred & Fifty Only
11	Supply of 63mm dia (OD) HDPE pipe, ISI marked conforming to IS 4984 : 2016 with upto date amendments, PE 80 grade, PN6 rating complete as required as per specifications.	200	Meter	120.00	24000.00	INR Twenty Four Thousand Only
12	Laying of following size of HDPE pipe along with all accessories like socket, bend, couplers etc. direct in ground (75cm below ground level) including cutting, jointing, excavation, refilling the trench (after laying of pipes) but excluding sand cushioning and protective covering etc., complete as required.					
12.01	63 mm Dia (OD)	100.00	Meter	160.00	16000.00	INR Sixteen Thousand Only
12.02	40 mm dia (OD)	175.00	Meter	150.00	26250.00	INR Twenty Six Thousand Two Hundred & Fifty Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
13	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV/5 KV grade of following size in the existing RCC/ HUME/ HDPE/ DWC/ METAL PIPE/CABLE DUCT as required.					
13.01	Upto 35 sq. mm	280	Meter	60.00	16800.00	INR Sixteen Thousand Eight Hundred Only
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct / trench as required.					
14.01	Upto 35 sq. mm	10	Meter	58.50	585.00	INR Five Hundred & Eighty Five Only
15	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.					
15.01	Upto 35 sq. mm (clamped with 1mm thick saddle	75.00	meter	60.00	4500.00	INR Four Thousand Five Hundred Only
16	Supplying and making end termination with Brass compression gland and aluminium lugs for 3.5C x 35 Sqmm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	4.00	Set	600.00	2400.00	INR Two Thousand Four Hundred Only
17	Earthing with G.I. "B" Class earth pipe 3.0 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.	2.00	Set	7000.00	14000.00	INR Fourteen Thousand Only
18	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	15.00	Meter	618.00	9270.00	INR Nine Thousand Two Hundred & Seventy Only
19	Providing and fixing 25mm x 5mm G.I strip on surface or in recess for earth connections etc.. as reqd.	15.00	Meter	589.50	8842.50	INR Eight Thousand Eight Hundred & Forty Two and Paise Fifty Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
20	SH:II AIRCRAFT STAND IDENTIFICATION Supply of SNI (Stand Number Indicator) boards (Fascia 1220 X 1220) to indicate Aircraft parking stand and WGS 84 (World Geodetic System in Apron, fabricated with central split type opening for easy maintenance made of reinforced 2mm thick anodized aluminum profile with suitable support. The rear panel shall be made of 1.2 mm with ready to install fitting for mounting on pole or façade. The long-life fascia shall be UV stabilized polycarbonate face sheet of 4mm thickness with special adhesive and vinyl pasting from inside of polycarbonate face fixed from inside of fascia with changing arrangement from inside. The board shall have hinged front face to allow easy access for maintenance. Light distribution shall be made even provided with LED array. The boards shall be internally uniformly illuminated with LED lamp/modules) and all other accessories including having individual LED drivers to work on 230V AC supply complete with all internal wirings, connectors. The board shall be in grey colour or any other colour as decided by EIC.	5	Each	50000.00	250000.00	INR Two Lakh Fifty Thousand Only
21	Supply of 7 Mtr height Stepped MS Pole fabricated from MS Pipes of sizes 200mm dia x 4 mm thick upto 2 Mtrs from Bottom, 125 mm dia x 4 mm thick from 2 Mtr to 7 Mtr with 1 Mtr inside overlap in the 200 mm dia pipe with Stepped Flange. 750 X 750 X 19 MM Thick base plate for erection shall also be provided. The Pole shall be PU painted in desired grey color or any other colour approved by EIC.	5	Each	9600.00	48000.00	INR Forty Eight Thousand Only
22	Erection of 7 Mtr height Stepped MS Pole including providing , civil foundation of minimum size 1000mm (L) x 1000 mm (B) x 1000mm (Height) with re-inforced cement concrete of ratio 1:2:4 including excavation work and supply & fixing of suitable sized J-Bolts in the foundation for erection of pole, providing G.I Nuts/ washers etc. complete as required. The rates includes hiring of Hydra/ Crane etc for erection.	5	Each	5500.00	27500.00	INR Twenty Seven Thousand Five Hundred Only
23	Installation of SNI & WGS 84 Boards (under S.No.1 above) on the existing MS pole of 7mtr height with necessary fabrication of MS flat/angles/ complete as required as per site condition. The rates includes hiring of Hydra/Crane etc for erection.	5.00	Each	15000.00	75000.00	INR Seventy Five Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
24	Providing and erecting MS barricade using MS 'C' (ISMC) Channel of size 150 x 75 mm thick around MS Mounting pole /electrical installation with required riveting, welding, anchor fastening on the floor including providing primer coat and painting with synthetic enamel paint of approved colour etc. complete as required. (Note: The Qty is in Running Meter)	10.00	meter	660.00	6600.00	INR Six Thousand Six Hundred Only
25	Supply of 3Core x 6sqmm XLPE insulated and PVC Sheathed Armoured Copper conductor cable of 1.1 KV grade as per IS 7098 (Part 1) with upto date amendments.	200	mtr	286.00	57200.00	INR Fifty Seven Thousand Two Hundred Only
26	Supply of 40mm dia (OD) HDPE pipe, ISI marked conforming to IS 4984 : 2016 with upto date amendments, PE 80 grade, PN6 rating complete as required as per specifications.	200	mtr	156.00	31200.00	INR Thirty One Thousand Two Hundred Only
27	Laying of following size of HDPE pipe under bitumenous road/concrete surface(75cm below ground level) including cutting, chiselling, excavation, refilling the trench (after laying of pipes) finishing and making good the top surface with 1:2:4 cement concrete of minimum 150mm thickness etc complete as required.					
27.01	40 mm dia (OD)	10	Meter	130.00	1300.00	INR One Thousand Three Hundred Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
28	SH:III OPERATIONAL GUIDANCE SIGNAGES Supply, Installation, Testing and Commissioning of Internally Illuminated LED based operational guidance signages complying with the latest ICAO standards, made out of 4mm thick glare free poly carbonate sheet at front and body made out of 2mm thick powder coated aluminium profile, supported at back by 50mm dia (Nominal size) die cast aluminium / GI pipe at a separation as required, frangible coupling and base plate/flanges. All the signage shall have letters and symbols made by computerised cutting of vinyl and pasting on the polycarbonate sheet from inside/outside of the sign face of required colour as per ICAO standards. The boards shall be internally illuminated with high luminous, long life LED's with proper heat dissipation mechanism. All the accessories shall be suitable for operation on series circuit at variable current from 2.8A - 6.6A and shall give constant brightness for all current variation. Boards shall be complete with cement concrete foundation of 1:2:4 for mounting legs and cement concrete hard stand of 1:3:6 around the sign board of size & thickness as per specifications, foundation bolt/anchor fasteners, required length of 2X4 Sqmm copper conductor secondary lead cable with male connector protected with PVC medium duty pipe from CI box upto sign board, connections with series cable, secondary leads and departmentally supplied isolating transformers etc complete as per technical specifications and as required	2.50	Sqm	30000.00	75000.00	INR Seventy Five Thousand Only
29	Supply of 5 kV grade, 50 Hz Isolating transformers suitable for LED signages series type encapsulated in polyester resin finally moulded in neoprene tube rubber with primary and secondary connections as per specifications and as required.					
29.01	200W 6.6/6.6Amp	5	Each	6500.00	32500.00	INR Thirty Two Thousand Five Hundred Only
30	Supply of 5 kV grade plug and receptacle (Male & Female Esna connector) suitable for 1 x 6sqmm Unarmoured Copper Conductor Cable of 5KV grade	3	Each	450.00	1350.00	INR One Thousand Three Hundred & Fifty Only
31	Installation of cylindrical type cast iron transformer housing boxes in soil by providing 150mm thick cement concrete 1:2:4 (1 cement: 2 Sand : 4 graded stone 20mm size) around and bottom of the CI boxes after making suitable pit, making rectangular/ round cement pedestal of 1mtr x 1mtr in cement concrete 1:2:4, finishing the surface with cement plaster etc. as required.	2	Nos	20000.00	40000.00	INR Forty Thousand Only

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
32	Making field connections by crimping 6 sq.mm. plug and receptacle with the existing 6 sqmm single core PVC copper conductor PVC insulated and PVC sheathed AFL cable of 5KV grade including connecting the isolating transformers, applying HT insulation tape and over which PVC tape on the connections etc. as required.	3	Each	1000.00	3000.00	INR Three Thousand Only
33	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	250	Meter	30.00	7500.00	INR Seven Thousand Five Hundred Only
Total in Figures						INR Seventeen Lakh Sixty One Thousand Three Hundred and Sixty Seven
Quoted Rate in Words					1761367.50	INR Seventeen Lakh Sixty One Thousand Three Hundred & Sixty Seven and Paise Fifty Only
Quoted Rate in Words						INR Seventeen Lakh Sixty One Thousand Three Hundred and Sixty Seven and Paise Fifty Only

14/02/2024
 राहायक महोदय (इंजी-वि)
 Asst. General Manager (Engg - Elect)

Signature Not Verified

Digitally signed by JAYAN J
 Date: 2024.02.15 12:09:23 IST
 Location: eProcurement System for Central PSUs