



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

रजिस्टर्ड ए.डी. दवारा/By Regd. A.D.

सं.सं. भाविप्रा/भोपाल/उप.म.प्र.(अभि.-वि.)/का.आ.-23/2023-24 / 1958 / 108
Ref. No: AAI/BPL/DGM(E-E)/WO-23/2023-24
सेवा में,

दिनांक: 09.01.2024

Date: 09.01.2024

मेसर्स रास कांटेक्टर एंड इंजिनियर्स,
302, तीसरे फ्लोर, देविका चैम्बर, राजनगर,
गाज़ियाबाद - 201001
ई-मेल: rass.engineer@gmail.com

M/S RASS CONTRACTOR AND ENGINEERS,
302, 3rd Floor, Devika Chamber, Rajnagar,
Ghaziabad - 201001
E-mail: rass.engineer@gmail.com

विषय : “राजा भोज विमानतल भोपाल, में नए एम.एस.एस.आर भवन का निर्माण। उपशीर्ष: सबस्टेशन और अलाइड कार्य।”

Subject: “Construction of New MSSR Building at R.B. Airport, Bhopal. SH: Substation and Allied Works.”

संदर्भ : 1) दिनांक 28.12.2023 को खोली गई आपकी निविदा
Ref.: 1) Your tender opened on dated 28.12.2023

महोदय/Dear Sir

- उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल रू. 1,28,59,750/- (रू. एक करोड़ अट्ठाईस लाख उनसठ हजार सात सौ पचास मात्र) की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि ई-निविदा की अनुमानित लागत रू. 1,63,14,193/- (रू. एक करोड़ त्रैसठ लाख चौदह हजार एक सौ तिरानवे मात्र) से 21.17 % कम है।
Your E-Tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 1,28,59,750.00 (Rupees One Crore Twenty Eight Lakh Fifty Nine Thousand Seven Hundred Fifty only) which is 21.17% Below the estimated cost put to E-Tender of Rs. 1,63,14,193.00 (Rupees One Crore Sixty Three Lakh Fourteen Thousand One Hundred Ninety Three Only)
- उप. महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे निवेदन है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु 02.02.2024 तक उप. महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, भोपाल विमानपत्तन के कार्यालय में उपस्थित हो। संविदा करार रू 500/- (पाँच सौ रुपये) के न्यायिकेतर (नॉन - ज्युडिशियल) स्टॉप पेपर पर बनाया जायगा तथा स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।


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Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal by **02.02.2024** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 500/- (Rupees Five Hundred only)** and the cost of the stamp paper shall be borne by you.

- 3- कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में रु. **9,59,690/- (रु. नौ लाख उनचास हजार छह सौ नब्बे मात्र)** की राशि इस कार्यालय में जमा करा दें अन्यथा करारनामों की संविदा की सामान्य शर्त के पृष्ठ संख्या - 15 पर दी गई शर्त 1ए के अनुसार उक्त राशि आपके बिल से काट ली जाएगी ।

Please deposit **Rs. 9,59,690/- (Rupees Nine Lakh Fifty Nine Thousand Six Hundred Ninety 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 Clause 1A on page 15 of the contract document.

- 4- आपसे अनुरोध है कि आप ठेका श्रमिक (विनियम एवं उन्मूलन) अधिनियम 1970 के उपबंधों का अनुपालन करें । साथ ही ठेका श्रमिक (विनियम एवं उन्मूलन) केन्द्रीय नियमावली 1971 एवं केन्द्रीय एवं राज्य सरकारों के न्युनतम वेतन तथा उससे संबंधित अन्य नियमों का पालन करें ।

You are requested to comply with the provisions of contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages Act and rules thereof Central and State Governments.

- 5- आपको सहायक महाप्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा किया जाएगा ।

You are also directed to contact Asstt. Gen. Manager (Engg.-Elect.), AAI, Bhopal Airport immediately who will arrange to hand over the site to you.

- 6- कृपया नोट करे की कार्य पूरा करने के लिए आपको 09 (नौ) माह का समय प्रदान किया जाता है। यह समय इस पत्र के जारी करने की तिथि के 10वें दिन से माना जाएगा ।

Please note that the time allowed for carrying out the work shall be **09 (Nine) Months** to complete the work. The same shall be reckoned from 10th day from date of issue of this letter.

- 7- इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए उप. महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., राजा भोज विमानतल भोपाल - 462036 को संबोधित करें ।

Any further correspondence in connection with the contract should normally be addressed to the Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, R. B. Airport, Bhopal - 462036.

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- 8- कृपया इस पत्र की प्राप्ति की सूचना दें तथा इसके साथ अनुलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें।

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

- 9- यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

भवदीय / Yours Faithfully

(प्रमोद कुमार ठाकरे / Pramod Kumar Thakre)

उप. महाप्रबंधक (अभि.-विद्युत)

Dy. Gen. Manager (Engg.-Elect.)

भा.वि.प्रा., राजा भोज विमानतल, भोपाल - 462036

AAI, Raja Bhoj Airport, Bhopal - 462036.

कृते तथा ओर से, अध्यक्ष,

For and on behalf of Chairman,

भारतीय विमानपत्तन प्राधिकरण.

Airports Authority of India.

Office No.: 0755-264073

Mob No.: 9748327209



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N.O.O. / मूल प्रतिलिपि पर नहीं

Copy to/ प्रतिलिपि प्रेषित :-

1. संयुक्त महाप्रबंधक (सतर्कता), भा.वि.प्रा.
पश्चिमी क्षेत्र, सी.एस.आई. एयरपोर्ट, मुंबई-99. (निविदा प्रपत्र के शेड्यूल 'A' की कॉपी सहित)
Jt. General Manager (Vigilance) AAI.
Western Region, C.S.I. Airport, Mumbai-99 (Along with copy of Schedule 'A' of tender document)
2. आयकर आयुक्त
आयकर कार्यालय, होशंगाबाद रोड,
मैदा मिल के सामने, भोपाल।
Commissioner of Income Tax,
Income Tax office, Hoshangabad Road, Opposite Maida Mill, Bhopal.

आंतरिक/ INTERNAL

1. विमानपत्तन निदेशक, भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु।
Airport Director, AAI, R. B. Airport, Bhopal – 462036 for information please
2. सहायक महाप्रबंधक (वित्त), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु।
Asstt. Gen. Manager (Finance), AAI, R.B. Airport, Bhopal – 462036 for information please
3. सहायक महाप्रबंधक (अभि- विद्युत), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 कार्यस्थल सौंपने
करारानुसार हेतु।
Asstt. Gen. Manager (Engg.-Elect.), AAI, R.B. Airport, Bhopal – 462036 To handover the site
As per contract agreement
4. प्रबंधक (अभि- विद्युत), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 कार्यस्थल सौंपने एवं
ठेका करारानुसार कार्य निष्पादन हेतु।
Manager (Engg.-Elect.), AAI, R.B. Airport, Bhopal – 462036 To Supervise the work as
per contract agreement
5. करार प्रति/Agreement Copy.
6. कार्य फाईल/Works File.

(प्रमोद कुमार ठाकरे / Pramod Kumar Thakre)

उप. महाप्रबंधक (अभि.-विद्युत)
Dy. Gen. Manager (Engg.-Elect.)

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: AGM(E-E), AAI, R.B. Airport, Bhopal

Name of Work: Construction of New MSSR Building at R.B. Airport, Bhopal. SH: Substation and Allied Works.

Contract No: AAI/BPL/ENGG(E)/NIT-08/2023-24

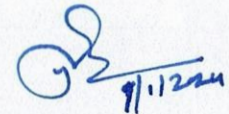
Name of the Bidder/
Bidding Firm /
Company :

RASS CONTRACTOR & ENGINEERS

PRICE SCHEDULE

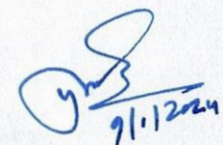
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.00	Supply, Installing, Testing and Commissioning of 'Silent Type' Diesel Generating set alongwith having Prime Power Rating of 125 KVA, 3 Phase, 50 Hz, 415 V AC System, comprising of Diesel Engine, Alternator, Engine Mounted instrument panel, Sound Attenuated Acoustic and weather proof enclosure as per CPCB-IV as required complete with all other accessories as per specifications and as required.					
1.01	Diesel Engine: Diesel engine 4 cylinder, in-line 4 stroke, water cooled, with engine driven or electrical motor driven radiator, turbo charged - after / inter cooled with charged air cooling, vaccume indicator, lube oil system, electronic governor, electric start, of suitable BHP at 1500 RPM for above output of alternator at 46 Degree C, and conforming to BS 5514, BS 649, IS 10000. The engine shall be fitted with all required accessories as per specifications.					
1.02	Alternator Synchronous alternator rated at 125 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 degree C. The alternator shall be having SPDP enclosure, brushless excitation, continuous duty, self-excited and self-regulated through AVR conforming to IS: 4722 / BS 2613 suitable for tropical conditions and with class - "H" Insulation.					
1.03	Base Frame : Both the engine and alternator shall be mounted on common base frame made of MS channel with vibration isolation arrangement and shall be installed on existing cement concrete foundation as per recommendations of manufacturer.					



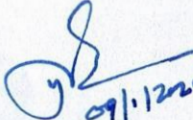
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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1.04	Exhaust System: Residential / Hospital type silencer, SS braided rubber expansion bellows/ joints, exhaust piping upto silencer etc. as required.					
1.05	Starting System: 12 / 24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable 01 or 02 Nos. of batteries (12 / 24 V, 100 / 180 AH capacity) as required as per specifications.					
1.06	Engine mounted Instrument panel with microprocessor based fully integrated generating set controller (PS0602 / KG640C / WOODWARD / DEIF or equivalent) having digital display & Control devices for safety and monitoring alongwith indicators as required as per specifications.					
1.07	All the above housed in an Accoustic and weather proof enclosure of thickness not less than 1.4 / 1.5 / 1.6 mm CRCA sheet steel with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air into the atmosphere complying to CPCB-IV norms etc. complete as required.					
1.08	Diesel Generating set (125 KVA) as described above.	1.00	Set	1425000.00	1425000.00	INR Fourteen Lakh Twenty Five Thousand Only
2.00	Supply, Installation, Testing and Commissioning of cubicle type LT panel, as per 61439-1 & 61439-2, suitable for 415V+/-10%, 3 Phase, 4 wire 50 Hz AC supply system, fabricated in compartmentalized 4b modular design IP 42 for indoor & IP 65 for outdoor application, from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland, plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium alloy bus bars for high conductivity, SMC bus bar supports, with short circuit withstand capacity of 50 KA for 1 sec, Internal arc withstand capacity 50 KA for 0.3 second, minimum impact resistance IK10 with each compartment front & back sheet steel metal door, bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common GI earth bar of size 50 mm x 6 mm at the rear with 2 Nos. earth stud, solid / flexible connections from main bus bar to switchgears and from switchgear output to cable termination in cable alley with required size of AL conductors / bus bars and control wiring with 2.5 sqmm PVC insulated copper conductor cable (FRLSH), cable alleys, cable gland plates in two half, data logger for monitoring of power supply characteristics i/c providing following switchgears / accessories as per specifications.					

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.01	MAIN L.T. PANEL (SWICH ROOM) INCOMING- I & II (FROM ESS BLOCK ATC CUM TECHNICAL BLOCK) 2 Nos ACB 630 A, 50 kA, 4 Pole, Microprocessor release Horizontal drawout type of fault breaking capacity 50KA (Ics=Icu=Icw) Electrical Draw Out Motorised operated, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/isolated position indicators and frame earthing contact, conforming to IS-13947-2 1993 as amended up-to-date complete with Independent Electrical & manual spring closing mechanism, Microprocessor release (EMI & EMC certified) for over current, earth fault & short circuit protection, Shunt trip coil 24V D.C / 220V A.C, Breaker Control Switch - 16A, Test terminal block set, circuits as per standard practice, auxiliary contactors with contacts (minimum 4NO+4NC) for positive interlocking of the breakers, necessary interlocking with PLC auto controls with all protection i/e Earth fault, Under/Over Voltage, Under/Over Frequency, Current Unbalance, etc. and Real-time on-line display of measurements, Current : phase / neutral / earth, average, max, % loading, Voltage : Phase, Line and with communication port facility etc.					
2.02	INCOMING- III & IV (FROM 125 KVA DG SET) 2 Nos ACB 630 A, 50 kA, 4 Pole, Microprocessor release Horizontal drawout type of fault breaking capacity 50KA (Ics=Icu=Icw) Electrical Draw Out Motorised operated, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/isolated position indicators and frame earthing contact, conforming to IS-13947-2 1993 as amended up-to-date complete with Independent Electrical & manual spring closing mechanism, Microprocessor release (EMI & EMC certified) for over current, earth fault & short circuit protection, Shunt trip coil 24V D.C / 220V A.C, Breaker Control Switch - 16A, Test terminal block set, circuits as per standard practice, auxiliary contactors with contacts (minimum 4NO+4NC) for positive interlocking of the breakers, necessary interlocking with PLC auto controls with all protection i/e Earth fault, Under/Over Voltage, Under/Over Frequency, Current Unbalance, etc. and Real-time on-line display of measurements, Current : phase / neutral / earth, average, max, % loading, Voltage : Phase, Line and with communication port facility etc.					


9/1/2024

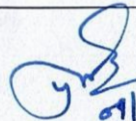
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.03	Each Incoming shall have one set of the following items: Intelligent multi function digital meter to read V,A,kVA, KW, MDI,kVAR, PF, Hz etc with communication facility (RS485 port) and LED display with required Nos CTs, 630/5, 15 VA, class 0.5 and control circuit wiring with 2 Amp MCB for controlling % THD and individual order Harmonics upto 15th order. 1 Set of Indication Lamps, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. 1 Set of Indication Lamps, LED type for breaker 'ON' , 'OFF' , 'TRIP' & spring charged lamps with 2 Amp MCB for controlling. Digital Voltmeter of suitable range (to measure 0-500V), for 3 phase 4 wire operation with LED display and in built-in-selector switch control with 2 Amp MCB 240 V AC Shunt trip coil. - 1 Set 1 Set of Zone selective interlocking with necessary ZSI module, power supply and wiring connectors etc. 1 Set of Phase Reversal relay indicating LED lamps controlled by 2 amp MCB for trip and hooter for alarm.					
2.04	AMF Logic Panel with AMF Relay, PLC, On, Off Indicating Lights, Phase Indicating Lamps for Transformer & DG Supply, Transformer & DG breaker on, off, trip indicating lamps, Auto / Manuals selector switch, Auto/Manual indicating lamps, Battery Charger, 12 W Annunciator for DG, Hooter with Test Accept, Reset Push Button.AMF can be operated in "AUTO","QAUTO" (Quick Auto) or "MANUAL" mode. The unit shall features a non-erasable incremental "DG run hour" and "maintenance hour. The "CT ratio" should site selectable. Self powered by a wide input (9-36VDC) power supply and ON/OFF delay site configurable timers. include with 3Nos. Resin cast CTs, Class-1					
2.05	1 Set of automatically controlled constant voltage constant current, 24V DC battery charger with battery charging indication, battery charged indication, Over charged battery protection, low battery protection, High Voltage protection, charger on - AC, DC Ammeter, DC Voltmeter, 8 window fault annunciator with inbuilt P.B and Hooter, trip alarm and reset etc. The Panel shall be complete in every respect to meet the functional requirement as required. Both Incoming cable connection suitable to receive 4 Nos 3.5core 500sqmm Al.Ar. XLPE Cable. PLC based arrangement required for electrical interlocking among as per drawing. Accessories for Electrical Interlocking & mechanical interlocking					

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.06	BUSCOUPLER 1 Nos 630 A, 50 kA, Air Circuit Breaker Horizontal drawout type of fault breaking capacity 50KA (Ics=Icu =Icw upto 433V) Electrical Draw Out Motorised operated,Independent Electrical / manual spring closing mechanism fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/isolated position indicators and frame earthing contact, conforming to IS-13947-2 1993 as amended up-to-date complete with neccessary Auxillary contact & MCB as per Drawing/specification 1 Set Indication Lamps, LED type, for RYB with 2 Amp control MCB. 1 Set Breaker 'ON' , 'OFF' , & spring charged indication lamps with 2 Amp MCB for controlling.					
2.07	BUSBARS SECTION-I & II 4P aluminium bus bars of 800A capacity with heat shrinkable coloured sleeves i/c SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 50 KA for 1 sec. The Bus bars will be electrolytic grade E91 Aluminium. Panels will be powder coating (60-80micron as per IS:13871 for indoor and 90-100 micron for outdoor), include one size higher terminal block in cable alley and interconnecting wires between bus bars and terminals via MCB. All Bus-Bar alley and relay compartments shall be provide fully automatic control thermostat with strip heater. Each Bus Section with 1 No Surge protection device Type 1 (Class B),true status indication, 7 Mode, spark gap type suitable for 10/ 350µs surge, Voltage Protection level Up < 4.0kV, Operating Temperature -40 deg 'c' - +80 deg 'C', Connected Between 3Nos. phase to neutral & 3Nos. phase to earth and 1Nos. neutral to earth with discharge Current I_{max} ≥ 50KA Per mode & I_n ≥ 25kA per Mode. SPD with 125A 4P HRC fuses of 100kA breaking capacity. For connecting SPD minimum 16sqmm FRLSH copper wire must be used & length of connecting leads shall not be more than 500mm for per mode connection with each busbar including all necessary accessories. The SPD shall compliance with IEC 61643-11					
2.08	OUTGOING SECTION-I & II 4 Nos., 100 A, 4P, 36 kA (Ics = Icu = 36 KA) MCCB with adjustable setting, microprocessor release with O/L, S/C & inbuilt E/F protection. 6 Nos., 63 A, 4P, 36 kA (Ics = Icu = 36 KA) MCCB with adjustable setting, microprocessor release with O/L, S/C & inbuilt E/F protection.					


09/11/2024

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
2.09	Each outgoing shall have one set of the following items: Each outgoing with digital MFM meter and 3 nos. Cast resin CTs of ratio as required, Class 0.5 accuracy and 10 VA burden. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor, Measurement of both KVA/KW/kVAH/MDI, Max. Demand with RS-485 port. 1 Set of 'ON', 'OFF', 'TRIP' LED lamps controlled by 2 amp MCB with each MCCB outgoing. 1 Set of 'ON', 'OFF', 'TRIP' & TCH (Trip circuit healthy) LED lamps controlled by 2 amp MCB with each ACB outgoing. 1 Set Rotary operating mechanism and terminal extension spreaders for all the ACBs/MCCB's. Note- All MICROPROCESSOR based ACB and MCCBs shall be provided with inbuilt O/L, S/C & E/F protection, PLC Based Interlocking & Load Management & AMF Control Electrical & Mechanical interlocking between each Incomers and buscouplers, Auto D.G. selection and Start/Stop, Load management including PLC Expansion Module, Shield wire, NC01 cable, PLC restart/refresh, Power Supplies, Necessary arrangements, Software and Hardwares need to be provided for interlocking. 1kVA online UPS with minimum 15 minutes backup, built in battery for PLC system. MIMIC Diagram & SLD in SS on panel front door (may be back side of incomer)					
2.10	MAIN L.T. PANEL (MSSR SWITCH ROOM)	1.00	Set	1875000.00	1875000.00	INR Eighteen Lakh Seventy Five Thousand Only
3.00	Supply of 3.5 Core X 240 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	5000.00	Meter	1050.00	5250000.00	INR Fifty Two Lakh Fifty Thousand Only
4.00	Supply of 4 Core X 25 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	1500.00	Meter	165.00	247500.00	INR Two Lakh Forty Seven Thousand Five Hundred Only
5.00	Providing, fixing & pasting in position 1000 mm wide, Electrical Insulating Mats as per IS 15652:2006, 3mm thick, suitable for 3.3 KV, fire retardant, no effect of acids, alkalies and transformer oils, moisture proof, high tensile strength and (Anti slip, marking on top).	30.00	RM	1850.00	55500.00	INR Fifty Five Thousand Five Hundred Only

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6.00	Supply of 90 Watt LED street light with Epoxy polyster powder coated pressure die cast Aluminium housing with toughened glass with integral constant current driver input operating voltage range 140V – 270V 50Hz AC supply, prewired upto the terminal block. System lumen output ≥ 9900 lumens with luminaire efficacy ≥ 110lm/W, lumen maintain of 70% at the end of 50000 burning hours, PF≥0.95, CRI≥70, THD<10%, IP≥65, protected with separate optics and control gear compartment, toughened glass protector, mechanical impact protection IK7, permanently sealed and a removable control gear plate, mounting spigot suitable for horizontal mounting (Ø 62mm) with tilt flexibility of (+)(-) 10 degrees. LM 79 report to be submitted for luminaire from NABL accredited photometry lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection and meeting tender specification.	70.00	Each	3850.00	269500.00	INR Two Lakh Sixty Nine Thousand Five Hundred Only
7.00	Installation, testing and commissioning of pre-wired, 90 watt LED street light fitting on existing street light pole, complete with all accessories etc.	70.00	Each	200.00	14000.00	INR Fourteen Thousand Only
8.00	Supply and installation of Hot dip galvanised 9 Mtr octagonal pole made of 3mm thick HT Sheet with Top dia 70mm A/f (min) & bottom dia 155 mm (min), base plate 250x250x16mm, weatherproof reinforced door opening suitable for inbuilt MCB, Mica sheet and Stud Terminal. It's includes single arm 1.50 Mtr long customised bracket with 45 degree tilting angle made of 50mm dia and 4Nos J-Type M-24X750mm long EN8 grade foundation Bolts with 3mm thick Template and all complete as per approved drawing by EIC. It's also includes Single pole 6A MCB. (Excluding foundation civil work)	70.00	Each	14500.00	1015000.00	INR Ten Lakh Fifteen Thousand Only
9.00	Erection of metallic pole of 09 meter length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) RCC foundation of size 0.60 X 0.60 X 1.50 Metre deep with proper size of foundation bolts including excavation, refilling and fixing of bracket etc. as required. (Including foundation civil work) including excavation & refilling, including positioning of template & foundation bolts (supplied with pole to match with pole base plate) complete as required.	70.00	Each	4200.00	294000.00	INR Two Lakh Ninety Four Thousand Only
10.00	Supplying and drawing of 3 Core X 1.5 sq. mm sizes of FRLS Round Sheathed multi core Bright annealed bear copper conductor heavy duty flexible cable, PVC insulated, for voltage grade 1100 Volt confirming to IS 694:2010 in Street Light poles complete etc as required.	840.00	Meter	115.00	96600.00	INR Ninety Six Thousand Six Hundred Only
11.00	Supplying and installing of 150 mm width X 50 mm depth X 1.6 mm thickness size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	50.00	Meter	850.00	42500.00	INR Forty Two Thousand Five Hundred Only


01/12/20

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
12.00	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. i) 3½ X 240 sq. mm (62 mm)	8.00	Each	1500.00	12000.00	INR Twelve Thousand Only
13.00	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) 3½ X 240 sq. mm	4.00	Set	6500.00	26000.00	INR Twenty Six Thousand Only
14.00	Supplying and laying of 120 mm dia (OD-120 mm & ID-103 mm nominal) 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.	5000.00	Meter	285.00	1425000.00	INR Fourteen Lakh Twenty Five Thousand Only
15.00	Supplying and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) 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.	1500.00	Meter	175.00	262500.00	INR Two Lakh Sixty Two Thousand Five Hundred Only
16.00	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/DWC pipe as required. i) Above 185 sq. mm and upto 400 sq. mm	5000.00	Meter	65.00	325000.00	INR Three Lakh Twenty Five Thousand Only
17.00	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/DWC pipe as required. i) Upto 35 sqmm	1500.00	Meter	25.00	37500.00	INR Thirty Seven Thousand Five Hundred Only
18.00	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 as required. Above 185 sq. mm and upto 400 sq. mm	100.00	Meter	65.00	6500.00	INR Six Thousand Five Hundred Only
19.00	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	4.00	Set	6500.00	26000.00	INR Twenty Six Thousand Only
20.00	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	2.00	Set	14500.00	29000.00	INR Twenty Nine Thousand Only

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21.00	Earthing with G.I. earth pipe 4.5 metre 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.	7.00	Set	3500.00	24500.00	INR Twenty Four Thousand Five Hundred Only
22.00	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	1400.00	Meter	25.00	35000.00	INR Thirty Five Thousand Only
23.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	35.00	Meter	650.00	22750.00	INR Twenty Two Thousand Seven Hundred & Fifty Only
24.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	80.00	Meter	135.00	10800.00	INR Ten Thousand Eight Hundred Only
25.00	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	40.00	Meter	815.00	32600.00	INR Thirty Two Thousand Six Hundred Only
Total in Figures					12859750.00	INR One Crore Twenty Eight Lakh Fifty Nine Thousand Seven Hundred & Fifty Only
Quoted Rate in Words		INR One Crore Twenty Eight Lakh Fifty Nine Thousand Seven Hundred & Fifty Only				


 (Pramod Kumar Thakre)
 Dy. Gen. Manager (Engg.-Elect.)
 AAI, R.B. Airport, Bhopal