



संदर्भ सं.: भाविप्रा/प.क्षे./स.म.प्र (इंजी-विद्युत)/भुज/सीडब्लू-04/2023-24/ 955
Ref. No: AAI/WR/AGM(E-E)/BHU/CW-04/2023-24/

दिनांक: 12.01.2024
Date: 12.01.2024

सेवा में/ To,

मेसर्स गिरनार इलेक्ट्रिकल्स / M/s Girnar Electricals,
10/A सौराष्ट्र पटेल सोसाइटी / 10/A SAURASTRA PATEL SOCIETY,
यागनिक हाल, एनआर, भिडभंजन, बापुनगर / YAGNIK HALL, NR, BHIDBHANJAN, BAPUNAGAR,
अहमदाबाद - 380024 / AHMEDABAD-380024

विषय/ Sub: भुज हवाई अड्डे पर मौजूदा टर्मिनल भवन का पुनर्निर्माण . SH: 400 के वी ए डीजी सेट की एस आई टी सी और संबंधित विद्युत कार्य ।
Reconfiguration of Existing Terminal Building at C.E. Bhuj. SH: SITC of 400 KVA DG Sets and associated electrical works at Bhuj Airport.

संदर्भ: आपकी ई-निविदा नं. 2023_AAI_175332_1 दिनांक 27.12.2023 को खोला गया ।

Your E-tender ID 2023_AAI_175332_1 opened on Dated 27.12.2023.

महोदय,/ Dear Sir(s),

1. उल्लेखित कार्य हेतु आपके द्वारा बताए गये मद मूल्यों पर आपकी ई-निविदा राशि कुल रु. 1,03,81,650/- (रुपए एक करोड़ तीन लाख इकव्यासी हजार छे सौ पचास मात्र) + जीएसटी है, जो कि ई-निविदा की उचित लागत राशि रु. 1,10,90,218/- से 6.39 % नीचे है, उसे अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है, । आपके द्वारा वैध टैक्स इन्वॉइस प्रस्तुत करने पर जीएसटी अदा किया जाएगा । गुजरात राज्य के लिए जीएसटी क्र. GSTIN:- 24AAACA6412D1ZE 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. 1,03,81,650/- (Rupees One Crore Three Lakh Eighty One Thousand Six hundred and Fifty only) which is 6.39 % below the Justified cost of Rs.1,10,90,218/-. GST will be paid against valid Tax invoice from the agency. For Gujarat state AAI GST no. is GSTIN:24AAACA6412D1ZE

2. सहा.महाप्रबंधक (इंजी-विद्युत), भाविप्रा, प.क्षे., क्षेत्रीय मुख्यालय, विलेपार्ले (पुर्व), मुंबई-400099, कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आपकी ओर से एक विश्वसनीय प्रतिनिधी प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 22.01.2024 तक सहा.महाप्रबंधक (इंजी-विद्युत), भाविप्रा, परिचालन कार्यालय भवन, न्यु एअरपोर्ट कालोनी, विलेपार्ले (पुर्व), मुंबई-400099 के कार्यालय में उपस्थित हो तथा करारनामे को पुरा करें । ठेके का करारनामा रु. 100/- के नॉनजुडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जाएगा ।

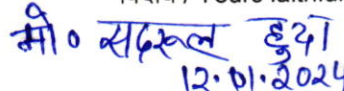
Asstt.GM (ENGG. - ELECT.), RHQ (WR), Vile Parle (E), Mumbai - 400 099 shall be the Engineer-In-Charge of this work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office to the Asstt.GM (ENGG- ELECT.), RHQ (WR), Operational office building, New Airport Colony, Vile Parle (E), Mumbai-400 099 by 22.01.2024 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- and the cost of the stamp paper shall be borne by you.

P.T.O



3. कृपया रु. 10,38,165.00(रुपये दस लाख अद्तीस हजार एक सौ पैसठ मात्र) प्रतिभूति जमा के रुप में यह पत्र जारी करने के तारीख के 10 दिन के अंदर जमा किजियो। जमा करने की असफलता में वह राशि बिल से ठेके की शर्तों के अनुसार काट दी जायेगी।
Please deposit **Rs.10,38,165.00 (Rupees Ten Lakh Thirty Eight Thousand One Hundred & Sixty Five only)** towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your bill as per contract conditions.
4. आपसे निवेदन है कि आप केंद्रिय और राज्य सरकारों 1970 के अधिनियम अनुबंध श्रम नियम (नियम तथा उन्मुलन) 1971 के केन्द्रीय नियम श्रम नियम (नियमन तथा उन्मुलन) एवं केन्द्र तथा राज्य सरकार के न्युनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।
You are requested to comply with provision of contract labour (Regulation and Abolition Act 1970 and contract labour Regulation & Abolition) Central rule 1971 and minimum wages Act & rules thereof central and safe Govt.
5. आपको यह निर्देश दिया जाता है कि आप सहायक प्रबंधक(इंजी-विद्युत), भुज हवाईअड्डा से संपर्क करें जो आपको साईट सौंपने की व्यवस्था करेंगे।
You are directed to contact Asstt. Mgr. (E-E), Bhuj Airport immediately who will arrange to handover the site.
6. कृपया आप से अनुरोध है की दिनांक **22.01.2024** से काम शुरू करें। कृपया ध्यान दे की कार्य को पूरा करने के लिए दिनांक **21.05.2024** तक का समय दिया गया है।
You are requested to start the work from **22.01.2024**. Please note that time allowed for completion of work is up to **21.05.2024**.
7. इस ठेके के संबंध में आगे का कोई भी पत्राचार सहा.महाप्रबंधक (इंजी-विद्युत), भाविप्रा, प.क्षे., क्षेत्रीय मुख्यालय, एकीकृत प्रचालन कार्यालय भवन, विलेपार्ले (पुर्व), मुंबई-400099 के पते पर किया जाए।
Any further correspondence in connection with the contract should normally be addressed to Asstt.GM(E-E), RHQ (WR), Integrated Operational office building, Vile Parle (E), Mumbai - 400099.
8. कृपया पावती भेंजें तथा इस आदेश की दोहरी प्रति आपके हस्ताक्षर के पश्चात इस कार्यालय में भेंजें जो कि स्वीकृती टोकन समझा जाएगा।
Please acknowledge the receipt and return the duplicate copy of this order enclosed herewith after signing to the undersigned as a token of acceptance.
9. यदि अंग्रेजी और हिंदी पाठ में कोई अंतर पाया जाता है तो अंग्रेजी विवरण सही माना जायेगा।
If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.
धन्यवाद/ Thanking You,

Encl: 1. SOQ

भवदीय / Yours faithfully,

12.01.2024
(मो. सदरुल हुदा)/(Md. Sadrul Huda)
सहा.महाप्रबंधक (इंजी-विद्युत),
Asstt.GM (Engg.-Elect.)

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण,
For and on behalf of Chairman, Airports Authority of India

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Asst.General Manager (E-E)

Name of Work: "Reconfiguration of Existing Terminal Building at C.E. Bhuj,SH: SITC of 400 KVA DG Sets and associated electrical works at Bhuj Airport."

Tender ID: 2023_AAI_175332_1

Name of the Bidder/
Bidding Firm /
Company :

M/S GIRNAR ELECTRICALS

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 #	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
1	2	4	5	13	53	55
1	Diesel Generating Sets Providing, Installing, Testing and Commissioning of 'Silent Type' Diesel Generating set (CPCB4+ complaint) alongwith having Prime Power Rating 400 KVA, 415 volts at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase system & for 0.85 Load Factor and consisting of the followings: a) Diesel Engine: Diesel engine 4 stroke water cooled, electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 45 degree C, 50% RH & at 1000 meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour after 12 hours of continuous operation. The engine will be fitted complete with all the required accessories. b) Engine mounted Instrument Panel fitted with and having digital display for following: (i) Start-stop switch with key (ii) Water temperature indication (iii) Lubrication oil pressure indication (iv) Lubrication oil temperature indication (v) Battery charging indication (vi) RPM indication (vii) Over speed indication (viii) Low lub. Oil trip indication (ix) Engine Hours indication c) Alternator: Synchronous alternator rated at 400 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 45 Degree C, 50% RH & at 1000 meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty, self excited and self regulated through AVR conforming to IS: 4722/BS 2613 suitable for tropical conditions and with class -F/H insulation.	2.00	Job	3755000.00	7510000.00	INR Seventy Five Lakh Ten Thousand Only
1.01	d) Base Frame & Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement which shall be installed on suitable cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer. e) Exhaust System: Dry exhaust manifold with Residential exhaust silencer and catalytic converter. f) Starting System: 24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable nos. of batteries with MS battery stand (25 plates, 180 Amp. Hour capacity lead acid type) as required as per specifications. g) Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per specifications. The work should be as per Central Electrical Authority / Pollution control board standards & as per tender condition.					

NUMBER #	TEXT #	NUMBER #	TEXT #	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
1	2	4	5	13	53	55
2	AMF Panel Fabricating, Supply, Installation, Testing and Commissioning of MV Switch Panel board - Automatic Mains Failure (AMF) Control Panel made of 14 SWG CRCA sheet steel, dust tight, vermin proof, totally enclosed, cubicle type, floor mounting, free standing, suitable for 400 KVA DG Set, 3 phase, 4 wire, 50 Hz, AC system complete with all accessories, control cabling from AMF panel to diesel engine and elsewhere if required, interconnection, connection, earthing, painting etc. as required and comprising of following: a) 02 Nos. of 630 A, 50KA, 4P MCCBs with microprocessor based releases for OC/SC/EF Protection, C.T. operated Digital Meter [EM 6400 of Conserve/Equivalent], each for EB Supply and Gen Set Supply, ON/OFF/TRIP Indication, and Phase Indication Lamps. b) 02 Nos. of 630 A, 4P Power Contactors each for EB Supply and Gen Set Supply. c) 02 Nos. of 630 A, 4P Change Over Switches for Bye-Pass Arrangements each for EB Supply and Gen Set Supply. d) 24 V Battery Charger consisting of transformer, rectifier, DC Ammeter, DC Volt Meter and charge rate selector switch with position ON/Trickle/OFF/Boost for charging capacity of suitable for 24 Volts, 180 AH lead acid batteries etc. e) 01 Set of Timers and Contactors/AMF Relay for Start with Condition to take load within 15 Sec. in 3 Attempts/Stop/Delay Time of DG Set with Selector Switch for Time Delay, Contactors for Auto/Manual/Interlock/Time Delay etc.as required f) 01 Set of Selector Switches for Auto/Manual/Test/Off Operation, One Set of LVM, One Set of Push Button for Start/Stop/Reset etc. g) One Set of 5 mm, 3 LED Display for Performance of DG Set. h) One Hooter to alarm the abnormality of DG Set and Annunciation Windows for Performance and Operation of DG Set etc. i) 01 set of 800 A TPN Aluminium Bus bar j) 02 Nos. out goings of 400 A, 36KA, 4P MCCBs with microprocessor based releases for OC/SC Protection, C.T. operated Digital ammeter for each outgoing of MCCB, ON/OFF Indication Lamps. k) 01 No. out going of 250 A, 36KA, 4P MCCBs with microprocessor based releases for OC/SC Protection, C.T. operated Digital ammeter for each outgoing of MCCB, ON/OFF Indication Lamps.	2.00	set	477000.00	954000.00	INR Nine Lakh Fifty Four Thousand Only
2.01	l) Audio/Video annunciation for: (i) High water temperature (ii) Low lubricating oil pressure (iii) Engine over speed (iv) Engine fails to start (v) Full load/maximum load warning m) Space for spare compartments. All accessories such as fuses, auxiliary contactors, auxiliary switches etc.					
3	Supplying and fixing exhaust gas piping for 400 kVA D.G. set with 150mm dia. (or as per OEM) welded black MS pipe (Class-B) conforming to IS: 1239 (part-I, 2004) cut to required lengths and installed with necessary bends, supports and clamps, anti-vibration mountings, SS Expansion Joints, insulation of exhaust system with mineral wool/Rockwool, 50 mm thick wiremesh & aluminum cladding etc., complete as required as per specifications.	25.00	metre	2700.00	67500.00	INR Sixty Seven Thousand Five Hundred Only
4	Supplying and Laying of fuel piping between fuel tank and each diesel engine with MS class 'C' pipes of 25mm dia. (or as per OEM) on floors complete with valves, flanges, gaskets, joints, nutbolts, unions, level indications on Fuel tank & all accessories etc complete as required as per the site condition.	20	metre	325.00	6500.00	INR Six Thousand Five Hundred Only
5	Dismantling of Existing 160 KVA acoustic enclosure type DG sets along with AMF panels, removing terminations, cable connections, Diesel Tanks including shifting to store or as directed by E-I-C complete as required.	2	Job	9000.00	18000.00	INR Eighteen Thousand Only
6	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	4	cum	8500.00	34000.00	INR Thirty Four Thousand Only

NUMBER #	TEXT #	NUMBER #	TEXT #	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
1	2	4	5	13	53	55
7	SITC of LT Panel (Essential) Supplying, installation, testing & commissioning of cubical, floor mounted, indoor type, dust and vermin proof and having IP 42 protection LT panel suitable for 415V, 3 phase, 4 wire 50 Hz AC supply system fabricated in totally enclosed and compartmentalized design from CRCA sheet steel of 2 mm thick for load bearing members & 1.6 mm thick for doors, 3 mm thick for gland plates i/c cleaning & finishing complete with powder coating in approved shade, TPN Aluminium Alloy bus bars of high conductivity, DMC/ SMC bus bar supports, suitable angle /channels frame in the bottom. Fabrication shall be done in transportable sections, connections from main bus bars to switch gears with required size of copper/aluminium solid conductors/bus bars and control wiring with 2.5 sq. mm PVC insulated copper conductor, cable alleys, cable gland plates in two half, Control MCBs etc. as required as per technical specifications i/c providing following switch gears and accessories: Incomer and Bus coupler (2+1) 630 Amp 4 pole (50 KA, Ics = 100% Icu) MCCB with Microprocessor release, Overcurrent/Short circuit/ Earth Fault protection, shunt trip coil, Auxiliary contact, Extended Direct Rotary Handle, Spreaders, etc - 3 sets which shall be mutually mechanical & electrically interlocked by control key system between Two incomers and Bus coupler for safe operation. Bus Bars 800 Amp. TPN bus bars of aluminium alloy of suitable size as per technical specifications. Outgoings A) 400 Amp. 4 Pole, 50 KA, (Ics=100%Icu) MCCB with spreaders, ROH -1 Nos. B) 250 Amp. 4 Pole, 50 KA, (Ics=100%Icu) MCCB with spreaders, ROH -3 Nos C) 160 Amp. 4 Pole, 50 KA, (Ics=100%Icu) MCCB with spreaders, ROH -2 Nos D) 100 Amp. 4 Pole, 35 KA, (Ics=100%Icu) MCCB with spreaders, ROH -8 Nos. Instrumentation A) 2 Nos. VAF + PF Meter having class 0.5 Accuracy with suitable CTs/PTs, Class 0.5 accuracy. B) 12 Nos. Three phase Digital Ammeter having class 0.5 Accuracy with suitable CTs, Class 0.5 accuracy. C) 03 nos LED phase indicating lights (RYB) with protection MCB/fuses for each incomer. D) 03 nos ON/OFF/TRIP LED indicating lamps for each I/C and Buscoupler; & 01 no ON indicating lamp for each O/G MCCB.	1	set	860000.00	860000.00	INR Eight Lakh Sixty Thousand Only
8.0	Supply of heavy duty XLPE insulated PVC sheathed aluminium conductor armoured power cable of 1.1KV grade conforming to IS 7098, Part-I 1988 with up to date amendments of following size and confirm to technical specifications enclosed.					
8.1	3.5C X 400 Sq.mm	270	metre	1800.00	486000.00	INR Four Lakh Eighty Six Thousand Only
8.2	3.5C X 240 Sq.mm	60	metre	1150.00	69000.00	INR Sixty Nine Thousand Only
9.0	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.					
9.1	750 mm width X 62.5 mm depth X 2.0 mm thickness.	65	metre	1450.00	94250.00	INR Ninety Four Thousand Two Hundred & Fifty Only
9.2	375 mm width X 62.5 mm depth X 2.0 mm thickness.	65	metre	900.00	58500.00	INR Fifty Eight Thousand Five Hundred Only
10.0	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.					
10.1	750 mm width X 62.5 mm depth X 2.0 mm thickness	4	each	1450.00	5800.00	INR Five Thousand Eight Hundred Only
10.2	375 mm width X 62.5 mm depth X 2.0 mm thickness	2	each	900.00	1800.00	INR One Thousand Eight Hundred Only
11	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required. 750 mm width X 62.5 mm depth X 2.0 mm thickness.	4	each	1450.00	5800.00	INR Five Thousand Eight Hundred Only
12	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Reducer" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required. 750 mm width X 62.5 mm depth X 2.0 mm thickness	4	each	1450.00	5800.00	INR Five Thousand Eight Hundred Only
13	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Above 185 Sq. mm and upto 400 Sq. mm (clamped with 40 x 3 mm MS flat clamp).	270	metre	120.00	32400.00	INR Thirty Two Thousand Four Hundred Only

NUMBER #	TEXT #	NUMBER #	TEXT #	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
1	2	4	5	13	53	55
14.0	Supplying and making end termination with brass compression gland and aluminium lugs for following size of XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required.					
14.1	3.5C X 400 sq. mm (82mm)	12	set	900.00	10800.00	INR Ten Thousand Eight Hundred Only
14.2	3.5C X 240 sq. mm (62mm)	4	set	750.00	3000.00	INR Three Thousand Only
15	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.	4	set	11000.00	44000.00	INR Forty Four Thousand Only
16	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	set	8000.00	32000.00	INR Thirty Two Thousand Only
17	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	30	metre	1350.00	40500.00	INR Forty Thousand Five Hundred 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.	20	metre	450.00	9000.00	INR Nine Thousand Only
19	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	20	metre	950.00	19000.00	INR Nineteen Thousand Only
20	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	80	metre	175.00	14000.00	INR Fourteen Thousand Only
Total in Figures					10381650.00	INR One Crore Three Lakh Eighty One Thousand Six Hundred & Fifty Only
Quoted Rate in Words						INR One Crore Three Lakh Eighty One Thousand Six Hundred & Fifty Only

मो. सदरुल हुदा / 12.01.2024
 मो. सदरुल हुदा / Md. Sadruil Huda
 सहायक महाप्रबंधक (अभि.-विद्युत) / Asst. General Manager (Engg-Elect.)
 भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
 प. क्षे. मुख्यालय, मुंबई / WR, Mumbai - 400 099.