



संदर्भ सं.: भाविप्रा/प.क्षे./स.म.प्र (इंजी-विद्युत)/कांड/सीडब्लू-04/2022-23/ 849
Ref. No: AAI/WR/AGM(E-E)/KAND/CW-04/2022-23/

दिनांक: 03.04.2023
Date: 03.04.2023

सेवा में/ To,
मेसर्स मोना जेनेरेटर सर्विसेस प्राइवेट एलटीडी. / M/s. Mona Generator Services Pvt. Ltd.,
1-A, बेसमेंट / 1-A, BASEMENT,
30-31, राजा हाउस / 30-31, RAJA HOUSE,
नेहरू प्लेस / NEHRU PLACE,
नई दिल्ली-110019 / NEW DELHI-110019.

विषय/ Sub: एल.टी. से एच.टी. पावर सप्लाय परिवर्तन से संबंधित विद्युत कार्य । उपशीर्ष: कांडला हवाईअड्डा में
200 के.वी.ए. डी.जी सेट्स का प्रावधान । ।

Augmentation of power supply including conversion from LT to HT including provision of DG set at C.A. Kandla. SH : SITC of 200 kVA DG sets and associated works at Kandla Airport

संदर्भ: आपकी ई-निविदा नं. 2023_AAI_145245_1 दिनांक 14.03.2023 को खोला गया ।

Your e-tender id. 2023_AAI_145245_1 opened on Dated 14.03.2023.

महोदय,/ Dear Sir(s),

1. उल्लेखित कार्य हेतु आपके द्वारा बताए गये मद मूल्यों पर आपकी ई-निविदा राशि कुल रु. 40,97,000.00 (रुपए चालीस लाख सत्तान्चे हजार मात्र) + जीएसटी है, जो कि ई-निविदा की उचित लागत राशि रु. 45,86,296/- से 10.67 % 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. 40,97,000.00 (Rupees Forty Lakh and Ninety Seven Thousand only) + GST** which is **10.67 % below** the Justified cost of **Rs.45,86,296/-** . 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 12.04.2023 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 नॉनज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जाएगा ।

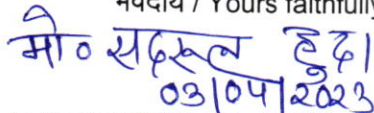
Asstt.GM (Engg. - Elect.), RHQ (WR), Vile Parle (E), Mumbai - 400 099 shall be the Engineer-In-Charge of this work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office to the Asstt.GM (ENGG- ELECT.), RHQ (WR), Operational office building, New Airport Colony, Vile Parle (E), Mumbai-400 099 by 12.04.2023 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.4,09,700.00 (रुपये चार लाख नौ हजार सात सौ मात्र)** प्रतिभूति जमा के रूप में यह पत्र जारी करने के तारीख के 10 दिन के अंदर जमा कीजिये। जमा करने की असफलता में वह राशि बिल से ठेके की शर्तों के अनुसार काट दी जायेगी।
Please deposit **Rs.4,09,700.00 (Rupees Four Lakh Nine Thousand and Seven Hundred 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 केंद्रीय 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 न्यूनतम 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 सहा.प्रबन्धक (इंजी-विद्युत),कांडला हवाईअड्डा से संपर्क करें जो आपको साईट सौंपने की व्यवस्था करेंगे।
You are directed to contact Asstt.Mgr. (E-E), Kandla Airport immediately who will arrange to handover the site.
6. कृपया आप से अनुरोध है की दिनांक **12.04.2023** से काम शुरू करे। कृपया ध्यान दे की काम को पूरा करने के लिए दिनांक **11.07.2023** तक का समय दिया गया है।
You are requested to start the work from **12.04.2023**.Please note that time allowed for completion of the work is up to **11.07.2023**.
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 भेजें तथा इस आदेश की दोहरी प्रति आपके हस्ताक्षर के पश्चात इस कार्यालय में भेजें 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,

03/04/2023
(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

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Item Rate BoQ

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

Name of Work: Augmentation of power supply including conversion from LT to HT including provision of DG set at C.A. Kandla. SH: SITC of 200 kVA DG sets and associated works at Kandla Airport

Contract No: 2023_AAI_145245_1

Name of the Bidder/ Bidding Firm / Company :		M/s Mona Generator Services Pvt. Ltd.				
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 Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supply , Installation, Testing and Commissioning of ‘Silent Type’ Diesel Generating set having Prime Power Rating of 200 KVA, 415 volts at 1500 RPM, 0.8 lagging power factor suitable for 50 Hz, 3 phase system and consisting of the following: (a) Diesel engine 4 stroke , radiator cooled, electric start , 248 HP (required power at rated KVA) at 1500 RPM , designed for ambient temperature 50 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 shall be fitted complete with all the required accessories. (b) Engine mounted Instrument Panel fitted with and having digital display for following: (i) Start stop 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 Hour indication (c) Alternator: Synchronous alternator rated at 200 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor , designed for 50 deg. C ambient temp. , 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. (d) Base Frame: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement and vibration isolation arrangement as per recommendation of manufacturer. (e) Exhaust System: Dry Exhaust manifold with hospital exhaust silencer and catalytic converter. (g) Starting System: 12V/24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable no. of batteries (25 Plates, 180 Amp. hour capacity lead acid type) as required as per specification. (h) Accoustic 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.	2.00	Job	1432000.00	2864000.00	INR Twenty Eight Lakh Sixty 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
2	Supply, installation, testing and commissioning of cubicle type, IP-42 indoor AMF LT panel (SUITABLE FOR 200 KVA DG SET as per Item no 1), floor mounting, free standing, suitable for 415V+/-10%, 3 Phase, 4 wire, 50 Hz AC supply system, fabricated in compartmentalized modular design from CRCA sheet steel of 1.6 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 400 A capacity TPN Aluminium alloy bus bars of high conductivity, SMC / DMC bus bar supports, with short circuit withstand capacity of 50 KA for 1 sec, 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 Al. earth bus bar of suitable size at the rear end 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 Copper conductors / Aluminium bus bars and control wiring with 2.5 sq mm PVC insulated copper conductor cable (FRLS), cable alleys, cable gland plates in two half, complete with all accessories, interconnection, earthing i/c providing following switchgears / accessories as per specifications.: a) 320 A, 36 KA, 4 Pole MCCB (Ics = 100% Icu), Microprocessor Based Release with O/C & S/C Protection - 2 Sets. b) 315 / 325 A, 4 Pole Power Contactor with Aux. Contacts - 2 Nos. c) 315 A, 4 Pole Bypass Changeover Switch to bypass Mains / DG supply - 01 No. e) Protection Relays - Over Current + Earth Fault, Over Voltage, Under Voltage (Each - 2 Nos.), Reverse Power (1 No.) with CTs of suitable range - 15VA, CL SP10 accuracy for protection as applicable.. f) LED Indication lamps for RYB (3 Sets), Load on Mains, Load on DG, DC Control ON, Battery Charger ON etc. with 2 Amp MCB for protection. g) Intelligent Digital Multi Function Meter to read V, A, kVA, KW, kVAR, PF, Hz, THD and individual order harmonics up to 31st Order etc. with communication facility (RS-485 port), CL-1.0, LED display - 2 Nos. + Digital Ammeter, RS 485, CL-1.0, with in-built selector switch, 3 Nos. CTs, 300/5, 15 VA, Class 1.0 and control circuit wiring with 2 Amps MCBs for controlling and protection. h) Microprocessor Based Advanced AMF Control Logic Relay with Built-In DG Protection - 1 No. i) 12/24 V DC Control Circuit, Voltage Monitoring Relay (2 Nos), Cranking Relay, Engine Starting Relay, Aux. Relays, Timers, Aux. Contactors, Selector Switches, Push Buttons, Emergency Stop Push Button, 2 A Control MCBs as required for control / interlocking / protection & Accessories etc. as required. - 1 Set. j) 24 VDC Battery Charger, complete with transformer / rectifier, DC Voltmeter and DC Ammeter, Selector Switch for Trickle / Off / Boost with current adjustment - 1 Set k) 8 Window Annunciator with Push Button for Test/Accept/Reset + Hooter for indication of High Water Temperature, High/Low Lube Oil Pressure, Engine Overspeed, Engine Fails to Start, Over Current, Under / Over Voltage, Reverse Power & Earth Fault Etc. as required. - 1 Set	2.00	Job	276015.00	552030.00	INR Five Lakh Fifty Two Thousand & Thirty Only
3	Supplying, installation, testing & commissioning of 500 ltrs day oil fuel steel tank made out of 5 mm thick M.S. sheet with stand of suitable height The tank shall be with all accessories such as oil level indicator, inlet pipe connection, and outlet pipe connection, valves, drain pipe with plug, trough to collect spill over oil, air vent pipe, man hole with cover, interconnections between tanks and painting. The tank shall be provided with suitable calibration scale.	2.00	Each	24000.00	48000.00	INR Forty Eight Thousand Only
4	Supply of heavy duty XLPE insulated PVC sheathed aluminium conductor armoured power cable of 1.1KV grade confirming to IS 7098, Part-I 1988 with up to date amendments of following size and confirm to technical specifications enclosed. 3.5 X 300 Sq. mm	100.00	Metre	1133.00	113300.00	INR One Lakh Thirteen Thousand Three Hundred Only
5	Supply of Power/Control Copper Cables, Stranded Copper, XLPE Insulated, cores laid up, PVC Innersheathed, Armoured, extruded PVC Type ST2 Outer Sheathed, 650/1100 V grade as per IS 7098 Part-I 1988. 10 C x 2.5 Sq. mm	30	Metre	290.00	8700.00	INR Eight Thousand Seven Hundred Only
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following on existing cable tray as required.					
6.01	Up to 35 Sq. mm (clamped with 1 mm thick saddle).	30	Metre	25.00	750.00	INR Seven Hundred & Fifty Only
6.02	Above 185 Sq. mm and upto 400 Sq. mm (clamped with 40x3 mm MS flat clamp).	100	Metre	165.00	16500.00	INR Sixteen Thousand Five Hundred Only
7	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 DG set etc. as required.	4	Cum.	6600.00	26400.00	INR Twenty Six Thousand Four Hundred Only
8	Supplying and Laying fuel piping between fuel tank and each diesel engine with MS class 'C' pipes of suitable dia.(min 25mm dia / OEM standards) on floors with valves, flanges, gaskets, joints, nutbolts, unions etc complete as required.	20.00	Metre	500.00	10000.00	INR Ten 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
9	Supplying and fixing exhaust gas piping of suitable dia.(min dia 150mm/ as per OEM standard) welded black MS, B Class pipe conforming to IS:3589 cut to required lengths and installed with necessary bends, supports and clamps, anti-vibration mountings, insulation of exhaust system with mineral wool/Rockwool, 50 mm thick wiremesh & aluminum cladding etc., as required as per specifications.	16	Metre	4850.00	77600.00	INR Seventy Seven Thousand Six Hundred Only
10	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. 3.5 X 300 Sq.mm	12	Set	1160.00	13920.00	INR Thirteen Thousand Nine Hundred & Twenty Only
11	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 metre long etc. with charcoal/ coke and salt as required.	4	Set	13500.00	54000.00	INR Fifty Four Thousand Only
12	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 metre long etc. with charcoal / coke and salt as required.	2	Set	7100.00	14200.00	INR Fourteen Thousand Two Hundred Only
13	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.	60	Metre	1290.00	77400.00	INR Seventy Seven Thousand Four Hundred Only
14	Providing and fixing 25 mm X 5 mm GI 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.	20	Metre	460.00	9200.00	INR Nine Thousand Two Hundred Only
15	Providing and fixing 25 mm X 5 mm Copper strip on surface or in recess for connections etc. as required.	20	Metre	965.00	19300.00	INR Nineteen Thousand Three Hundred Only
16	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. as required.	20	Metre	135.00	2700.00	INR Two Thousand Seven Hundred Only
17	Dismantling of Existing AMF Panel after removing termination, control cable and placing it with in the lead of 50 meters as per the directions of Engineering in charge.	2	Job	12000.00	24000.00	INR Twenty Four Thousand Only
18	Dismantling of Existing 125 kVA DG set including acoustic enclosure, removing termination and placing it with in the lead of 50 meters as per the directions of Engineering in charge.	2	Job	24000.00	48000.00	INR Forty Eight Thousand Only
19	Supply & Fixing of synthetic insulation Mat conforming to IS 15652 : 2006, Class - A up to 3.3 KV along with suitable adhesive etc complete as required.	20	sq.mtr	750.00	15000.00	INR Fifteen Thousand Only
20	Supply of 3HP Three Phase single stage cast iron monoblock pump set having suction pipe size 65mm and discharge pipe size 50mm, head range up to 26 meter.	2	Each	51000.00	102000.00	INR One Lakh Two Thousand Only
Total in Figures					4097000.00	INR Forty Lakh Ninety Seven Thousand Only
Quoted Rate in Words			INR Forty Lakh Ninety Seven Thousand Only			

मो. सदरुल हुदा
 03/04/2023
 मो. सदरुल हुदा / Md. Sadrul 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.