



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



संदर्भ सं/ Ref. No. AAI/RJY/ENGG(E)/400 KVA DG Set/2022-23/507-16 दिनांक Date: 23.11.2022

// स्पीड पोस्ट / ईमेल / Speed Post / Email //

सेवा में,
मेसर्स. मोना जेनरेटर सर्विसेस (पी) लिमिटेड,
सी-426, 3rd फ्लोर, निर्माण विहार,
ईस्ट दिल्ली - 110092.
ईमेल: monagenerators123@yahoo.com

To,
M/s. Mona Generator Services (P) Ltd.,
C-426, 3rd Floor, Nirman Vihar,
East Delhi - 110092.
Email: monagenerators123@yahoo.com

कार्य का नाम : SITC of 400 KVA DG Set with AMF Panel and Associated Electrical Works at
Name of Work : Rajahmundry Airport.
संदर्भ सं : 1) Tender ID: 2022_AAI_130759_1
Ref. No. : 2) Your e-tender (Envelope II – Financial bid) opened on 02/11/2022
3) Virtual Negotiation dated 16/11/2022

महोदय / Dear Sir,

- ऊपर उल्लिखित कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए गए मद पर आपकी राशि (जी एस टी रहित) ₹ 37,01,460/- (रुपए सैंतीस लाख एक हजार चार सौ साठ मात्र) है। जी. एस.टी. @ 18% जो कि निविदा की अनुमानित लागत राशि ₹ 33,31,467/- प्लस जी.एस.टी. @ 18% से 11.11% अधिक है।

Your 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 totalling to ₹ 37,01,460/- (Rupees Thirty Seven Lakhs One Thousand Four Hundred and Sixty Only) plus GST@ 18% which is 11.11% above the estimated cost put to tender of ₹ 33,31,467/- plus GST@ 18%.

- सहायक महाप्रबन्धक (अभि.-विद्युत), भा. वि प्रा, राजमंड्री एयरपोर्ट, कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप करारनामे पर हस्ताक्षर करने के लिए दिनांक 02.12.2022 तक सहायक महाप्रबन्धक (अभि.-विद्युत), भा. वि प्रा, राजमंड्री एयरपोर्ट के कार्यालय में उपस्थित हों तथा करारनामे को पूरा करें। ठेके का करारनामा ₹100.00 के गैर न्यायायिक स्टॉप पर निस्पादित किया जायेगा जिसका खर्च आपके द्वारा वहन किया जाएगा।

Asstt. General Manager (Engg-Elect), AAI, Rajahmundry Airport, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Asst. General Manager (Engg-Elect), AAI, Rajahmundry Airport by 02.12.2022 to sign and complete the agreement. The contract agreement shall be executed on a Non-Judicial stamp paper of value ₹100/- (Rupees One Hundred Only) and the cost of the stamp papers shall be borne by you.

Contd....2/.

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि पोस्ट, राजमंड्री - 533 102.

O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry - 533 102.

टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engg-E: 0883-2020171



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

75
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: 2 :

- कृपया सुरक्षा राशि ₹ 3,70,146/- (रुपये तीन लाख सत्तर हजार एक सौ छियालीस मात्र) को इस पत्र की जारी होने की तिथि से 10 दिन के अंदर जमा करने का कष्ट करें अन्यथा ठेका कागजातों की शर्त के अनुसार यह राशि आपके रनिंग बिल से काट ली जाएगी।
Please deposit ₹ 3,70,146/- (Rupees Three Lakhs Seventy Thousand One Hundred and Forty Six Only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from yours running bills as per condition of contract document.
- आपसे अनुरोध है कि ठेका श्रमिक (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रमिक (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और उसके नियमों के प्रावधानों का पालन करें।
You are requested to comply with the provision 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.
- आपको निर्देश दिया जाता है कि आप तुरंत प्रबन्धक (अभि-वि) -I / सहायक प्रबंधक (अभि-वि), भा.वि.प्रा., राजमंड्री एयरपोर्ट से मिलें वह आपको कार्य स्थल सौंपने की व्यवस्था करेंगे।
You are also directed to contact Manager (Engg-E)-I / Asst. Manager (Engg-E, AAI, Rajahmundry Airport immediately who will arrange to hand over the site to you.
- कृपया नोट करें कि काम करने का कुल समय 04 महीने है जो कि दिनांक 02.12.2022 से माना जाएगा।
Please note that the time allowed for carrying out the work shall be 04 (Four) Months and same shall be reckoned from 02.12.2022.
- इस ठेके के संबंध में आगे का पत्राचार प्रभारी अभियंता के पते पर किया जाये
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.
- भारतीय विमानपत्तन प्राधिकरण का आंध्र प्रदेश का GSTIN रजिस्ट्रेशन 37AAACA6412D1Z7 है।
The GSTIN registration no. of AAI is 37AAACA6412D1Z7 for Andhra Pradesh state.
- कृपया पावती भेजें तथा अपनी सहमती संलग्नित डुप्लिकेट प्रति पर हस्ताक्षर कर प्रेषित करें।
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.

भवदीय/Yours Faithfully,

अनुलग्नक/Encl: Schedule of Quantities.

(पी.नरेंद्र / P. NARENDRA)

सहायक महा प्रबंधक (अभि-वि)/ Asstt. General Manager (Engg-E)
भा वि प्रा. राजमंड्री हवाई अड्डा/AAI, Rajahmundry Airport
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India.

सहायक महा प्रबंधक (अ.वि.)
Asst. General Manager (Engg-Elect)

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि पोस्ट, राजमंड्री विमानपत्तन प्राधिकरण
O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry Airport, AAI, Rajahmundry
टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, राजमंड्री/Rajahmundry 533102



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

75
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NOO:-

को कॉपी /Copy to :

बाहरी/External

- 1) महाप्रबंधक (इंजीनियरिंग), भा. वि प्रा, एस/आर, चेन्नई एयरपोर्ट, चेन्नई
GM(Engg), AAI, S/R, Chennai Airport, Chennai
- 2) महाप्रबंधक (वित्त), एस/आर, चेन्नई हवाई अड्डा, चेन्नई
GM(Finance), S/R, Chennai Airport, Chennai
- 3) संयुक्त महाप्रबंधक (अ.वी.), भा. वि प्रा, विजयवाड़ा हवाई अड्डा, विजयवाड़ा
Jt.GM (Engg-E), AAI, Vijayawada Airport, Vijayawada.
- 4) संयुक्त महाप्रबंधक (सतर्कता), एएआई, एस/आर, चेन्नई हवाई अड्डा, चेन्नई
Jt.GM (Vigilance), AAI, S/R, Chennai Airport, Chennai
- 5) श्रम प्रवर्तन अधिकारी (केंद्रीय), सीनियर एसई / टेली। भवन, रेलवे स्टेशन परिसर, राजमंड्री-533101.
Labour Enforcement Officer (Central), Sr.SE/Tele. Building, Railway Station Premises, Rajahmundry-533101.

आंतरिक/Internal:

- 1) विमानपत्तन निदेशक, भा. वि प्रा, राजमंड्री हवाई अड्डा, राजमंड्री
Airport Director, AAI, Rajahmundry Airport, Rajahmundry.
- 2) प्रबंधक (एफएंडए), भा. वि प्रा, राजमंड्री हवाई अड्डा, राजमंड्री
Manager (F&A), AAI, Rajahmundry Airport, Rajahmundry.
- 3) प्रबंधक(अ.वी.)-I/ सहायक प्रबंधक (अ.वी.), भा. वि प्रा, राजमंड्री हवाई अड्डा, राजमंड्री
Manager(Engg-E)-I /Asst. Manager (Engg-E), AAI, Rajahmundry Airport, Rajahmundry.
- 4) संबंधित फाइल
Concerned File.

(पी.नरेंद्र / P. NARENDRA)

सहायक महा प्रबंधक (अभि-वि)/ Asstt. General Manager (Engg-E)

भा. वि प्रा, राजमंड्री एयरपोर्ट

सहायक महा प्रबंधक (अ.वि.)

Asst General Manager (Engg-Elect)

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

राजमंड्री हवाईअड्डा/ Rajahmundry Airport

राजमंड्री/Rajahmundry 533 102

SCHEDULE OF QUANTITIES

NAME OF WORK : SITC of 400 KVA DG set with AMF Panel and associated Electrical Works at Rajahmundry Airport.

Sl. No.	Description of Item	Qty	unit	Rate	Amount
1	DIESEL GENERATOR SET Supply, Installation, Testing and Commissioning of "Silent Type" Radiator Cooled, Diesel Generating Set along with having Prime mover power rating of 400 KVA at 0.8 lagging power factor, 415 volts, 50Hz, 1500 RPM, 3 phase system & for 0.85 load factor as per ISO 8528 and consisting of the followings: "(a) Diesel Engine: 4 stroke, electronic governor, power command control module, radiator cooled, electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 40 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. Engine mounted Instrument Panel fitted with and having digital display for Start-stop switch with key, Water temperature Indication, Lubrication Oil Pressure Indication, Lubrication Oil Temperature Indication, Battery Charging Indication, RPM Indication, Over Speed Indication, Low lubricant Oil trip Indication, Engine Hours Indication." (b) Alternator: Synchronous alternator rated for 400 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 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, terminal arrangement with other associated equipment conforming to IS:4722 / BS 2613 suitable for tropical conditions and with class F/H insulation. (c) 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 Existing cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer. (d) Fuel Tank: Day service fuel tank of 990 litres capacity fabricated out of 3 mm thick M.S. sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS class 'C' pipes of suitable dia. Complete with valves, level indications & accessories as required as per specifications. (e) Exhaust System: Dry Exhaust manifold with residential exhaust silencer and catalytic convertor. (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 etc. as required as per specifications. (g) Acoustic Enclosure : 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. (i) The work should be as per Central Electrical Authority / Pollution control board standards. DG set complete as described above and as per specifications	1	Job	2783525.10	2,783,525.10

[Handwritten Signature]

115

Sl. No.	Description of Item	Qty	unit	Rate	Amount
2	Supplying and fixing of Exhaust gas piping for 400 KVA D.G. Set of suitable dia. welded black MS, B (medium) 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 50 mm thick mineral wool / Rockwool, wiremesh & aluminium cladding etc. as required as per specifications.	12	Mtrs	9742.70	116,912.40
3	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, A.C. system complete with all accessories, interconnection, connection, earthing, painting etc. as required and comprising of following: 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. 02 Nos. of 630 A, 4P Power Contactors each for EB Supply and Gen Set Supply 02 Nos. of 630 A, 4P Change Over Switches for Bye-Pass Arrangements each for EB Supply and Gen Set Supply 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. 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 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. One Set of 5 mm, 3 LED Display for Performance of DG Set One Hooter to alarm the abnormality of DG Set and Annunciation Windows for Performance and Operation of DG Set etc. 01 set of 800 A TPN Al.Bus bar 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. 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. Space for spare compartments. All accessories such as fuses, auxillary contactors, auxillary switches etc.	1	Job	712800.00	712,800.00

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Sl. No.	Description of Item	Qty	unit	Rate	Amount
4	Supplying and making indoor end termination with brass single compression gland and copper lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required 3.5C x 300 Sqmm	13	set	2970.00	38,610.00
5	Supplying and Making end termination with brass compression gland and aluminium lugs for following PVC insulated and PVC sheathed / XLPE insulated 1.1KV grade cables as required. 3.5 Core x 400 Sq mm	5	Set	3850.00	19,250.00
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC Trench / HUME/ METAL/HDPE pipe as required. above 185 sq.mm upto 400 sq.mm	150	Mtr	115.50	17,325.00
7	Earthing with GI earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with CI cover plate with frame and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	1	Set	11055.00	11,055.00
8	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode at 0.5 meter below the ground including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	15	Mtrs	572.00	8,580.00
9	Providing masonry earth pit chamber (as per CPWD Pipe/Plate Earthing drawings) with CI cover plate with frame, watering funnel for existing earth pits including excavation up to 0.3 mtrs etc as required.	3	Set	4565.00	13,695.00
10	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required	15	Mtr	995.50	14,932.50
11	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	15	Mtr	165.00	2,475.00
12	Supply, Installation, Testing & Commissioning of 400A, 4P On-load Change over switch with extended operating handle in a wall mounting type 14 SWG sheet steel enclosure with powder coated, encloser suitable to receive 3 Nos. 3.5C x 400 Sq.mm armoured Aluminium Cables and suitable clearance for the cable end terminations by providing spreaders/busbars etc. complete as required.	1	Job	37,840.00	37,840.00

Total: Rs. 3777000.00

Less: Discount @ 2% on Total Quoted Amount, offered in negotiation meeting dated 16.11.2022 75540.00

Total : Rs. 3701460.00

Rupees Thirty Seven Lakh One Thousand Four Hundred and Sixty Only

A.G.M.(Engg-Elect)
AAI/Rajahmundry Airport

सहायक महा प्रबन्धक (अ.वि.)
Asst General Manager (Engg-Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
राजमंड्री हवाईअड्डा/ Rajahmundry Airport
राजमंड्री/Rajahmundry 533 102