



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No: AAI/NATS/E-E/SITC-DG/2019-20/W.O.- 15/1635 Date: 02.03.2020

To,

Mona Generators Services (P) Ltd.

1-A, Basement, 30-31, Raja House,

Nehru Place, New Delhi-110019

Email: monagenerators123@yahoo.com

Subject : Replacement of existing DG sets with new one of capacity 320 KVA, 62.5 KVA and 50 KVA with Microprocessor based AMF Panel in Operational Area at IGI Airport, New Delhi. (Tender ID: 2020_AAI_39735_1)

Sir,

1. Reference is made to Work Order No. AAI/NATS/E-E/SITC-DG/2019-20/ W.O.- 14/1626 dated 27.02.2020 for the subject work.

2. Following correction in the above work order may please be noted as under:

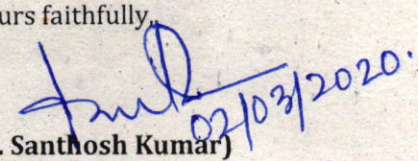
Sl. No.	Given in work order	'To be read as'
1	No: AAI/NATS/E-E/SITC-DG/2019-20/W.O.-14/1626 dated 27.02.2020	No: AAI/NATS/E-E/SITC-DG/2019-20/W.O.-15/1626 dated 27.02.2020

3. All other terms and conditions of work order no. AAI/NATS/E-E/SITC-DG/2019-20/ W.O.- 14/1626 dated 27.02.2020 remains unchanged.

4. This document also will be a part of the Contract Agreement.

Thanking You.

Yours faithfully,


(K. Santhosh Kumar)
Asstt. Gen. Mge. (E-E)
AAI, NATS Complex



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No: AAI/NATS/E-E/SITC-DG/2019-20/W.O.- 14/1626

Date: 27.02.2020

To,

Mona Generators Services (P) Ltd.

1-A, Basement, 30-31, Raja House,
Nehru Place, New Delhi-110019

Email: monagenerators123@yahoo.com

**Subject : Replacement of existing DG sets with new one of capacity 320 KVA, 62.5 KVA and 50 KVA with Microprocessor based AMF Panel in Operational Area at IGI Airport, New Delhi.
(Tender ID: 2020_AAI_39735_1)**

Reference : (i) Your E-tender opened on 10.02.2020

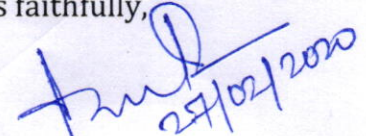
1. Your e-bid for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rate quoted by you totaling to **Rs. 6567132.00** (Excluding GST) which is **10.00%** below the Justified Cost of **Rs. 72,96,813.00** (Excluding GST).
2. Asstt. Gen. Mgr (E-E), AAI, New ATS Complex, shall be the Engineer-In-Charge of the work. You are requested to attend the office of Asstt. Gen. Mgr. (E-E), AAI, New ATS Complex, within 15 days from the stipulated date of start of the work to sign and complete the Contract Agreement. The Contract Agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit Rs. **5,10,777.00** (As EMD of amount Rs. 1,45,936.00 is already deposited) towards Security Deposit within 15 days from the date of issue of this letter, failing which, the same will be deducted from your running bills.
4. 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.
5. You are also directed to contact Manager (E-E), AAI, New ATS Complex, who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work shall be **Six Months** and same shall be reckoned from 15th day from the date of issue of this letter.

Cont'd2/

6. Any further correspondence in connection with the contract should normally be addressed to Asstt. Gen. Mgr. (E-E), Airports Authority of India, New ATS Complex, IGI Airport, New Delhi – 110037.
7. The rates are inclusive of all taxes, duties, Cess, fees, royalty charges etc. levied under any statute but exclusive of GST (as applicable). The agency has to submit the bill/ GST invoices along with all necessary documents for preparing bill by this office.
8. All the letters referred above shall form part of Contract.
9. The defects liability period is **One Year** from the date of completion of the work.

Thanking You.

Yours faithfully,

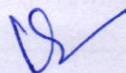

(K. Santhosh Kumar)
Asstt. Gen. Mgr. (E-E)
AAI, NATS Complex

Enclosure : Schedule of Quantities (Three Pages)

SCHEDULE OF QUANTITY

Name of work : Replacement of existing DG sets with new one of capacity 320 KVA, 62.5 KVA and 50 KVA with Microprocessor based AMF Panel in Operational Area at IGI Airport, New Delhi

S.No.	Description of item	Unit	Qty.	Rate	Amount	Remarks
1	S.I.T.C. of "Silent Type" DG set comprising of following :-					
(i)	1 No. Alternator suitable for generating 256 KW / 320 KVA power at 0.8 pf, 415 V, 3 phase, 50 Hz, 1500 RPM, self excited, self regulated & self ventilated with brushless excitation & conforming to IS 4722 & BS-2613 all complete as required as per approved make.					
(ii)	1 No. multi cylinder, 4 stroke, turbo charged water cooled diesel engine developing 380 BHP at 1500 rpm suitable for above alternator & complete with all accessories i.e. base frame, fly wheel, air cleaner, coupling, starting equipment, arm pads, radiator, speed governing mechanism to keep correct frequency at all operating conditions well within limits laid down in relevant to BS/IS for class A1 governing with amended upto date & anti-vibration pads etc. complete as required as per approved make.					
(iii)	1 no. AMF panel suitable for operation on 415 V, 3 phase, 50 Hz, AC supply in conjunction with 'Mains' & "Generating Set" for providing continuous power supply with a break not exceeding 15 sec. with microprocessor based control system. Supplying & Laying control cable (10 core x 2.5 sqmm copper conductor) connection and inter-connection etc. and having type Four Pole Contactor of 500 Amps for mains and alternator with HRC fuses and comprising of battery charger and relays, meters etc as per approved make.					
(iv)	1 No. in-built fuel tank complete with connecting pipe, valves, fuel level indicator device, base plate etc. & having capacity as per OEM standard complete as required.					
(v)	12 V/24 V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable nos. of batteries (25 plates, 180 Amp. hour capacity lead acid type as per approved make or as per OEM standard) complete as required.					
(vi)	Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air into the atmosphere as per specifications.					
		Set	2	2050000.00	4100000.00	
2	S.I.T.C. of "Silent Type" DG set comprising of following :-					
(i)	1 No. Alternator suitable for generating 50 KW / 62.5 KVA power at 0.8 pf, 415 V, 3 phase, 50 Hz, 1500 RPM, self excited, self regulated & self ventilated with brushless excitation & conforming to IS 4722 & BS-2613 all complete as required as per approved make.					
(ii)	1 No. multi cylinder, 4 stroke, turbo charged water cooled diesel engine developing 80 BHP at 1500 rpm suitable for above alternator & complete with all accessories i.e. base frame, fly wheel, air cleaner, coupling, starting equipment, arm pads, radiator, speed governing mechanism to keep correct frequency at all operating conditions well within limits laid down in relevant to BS/IS for class A1 governing with amended upto date & anti-vibration pads etc. complete as required as per approved make.					
(iii)	1 no. AMF panel suitable for operation on 415 V, 3 phase, 50 Hz, AC supply in conjunction with 'Mains' & "Generating Set" for providing continuous power supply with a break not exceeding 15 sec. with microprocessor based control system. Supplying & Laying control cable (10 core x 2.5 sqmm copper conductor) connection and inter-connection etc. and having Four Pole Contactor of 100 Amps for mains and alternator with 100 Amps MCCB and comprising of battery charger and relays, meters etc as per approved make.					
(iv)	1 No. in-built fuel tank complete with connecting pipe, valves, fuel level indicator device, base plate etc. & having capacity as per OEM standard complete as required.					

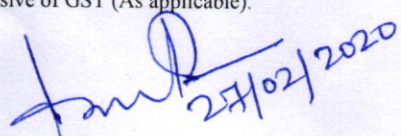


S.No.	Description of item	Unit	Qty.	Rate	Amount	Remarks
(v)	12V/24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable nos. of batteries (25 plates, 88 Amp. hour capacity lead acid type as per approved make or as per OEM standard) complete as required.					
(vi)	Accoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air into the atmosphere as per specifications.	Set	2	561162.50	1122325.00	
3	S.I.T.C. of "Silent Type" DG set comprising of following :-					
(i)	1 No. Alternator suitable for generating 40 KW / 50 KVA power at 0.8 pf, 415 V, 3 phase, 50 Hz, 1500 RPM, self excited, self regulated & self ventilated with brushless excitation & conforming to IS 4722 & BS-2613 all complete as required as per approved make.					
(ii)	1 No. multi cylinder, 4 stroke, turbo charged water cooled diesel engine developing 80 BHP at 1500 rpm suitable for above alternator & complete with all accessories i.e. base frame, fly wheel, air cleaner, coupling, starting equipment, arm pads, radiator, speed governing mechanism to keep correct frequency at all operating conditions well within limits laid down in relevant to BS/IS for class A1 governing with amended upto date & anti-vibration pads, etc. complete as required as per approved make.					
(iii)	1 no. AMF panel suitable for operation on 415 V, 3 phase, 50 Hz, AC supply in conjunction with 'Mains' & 'Generating Set' for providing continuous power supply with a break not exceeding 15 sec. with microprocessor based control system. Supplying & Laying control cable (10 core x 2.5 sqmm copper conductor) connection and inter-connection etc. and having Four Pole Contactor of 100 Amps for mains and alternator with 100 Amps MCCB and comprising of battery charger and relays, meters etc as per approved make.					
(iv)	1 No. in-built fuel tank complete with connecting pipe, valves, fuel level indicator device, base plate etc. & having capacity as per OEM standard complete as required.					
(v)	12 V/24 V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable nos. of batteries (25 plates, 88 Amp. hour capacity lead acid type as per approved make or as per OEM standard) complete as required.					
(vi)	Accoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air into the atmosphere as per specifications.	Set	1	500131.70	500131.70	
4	S.I.T.C. of calibrated HSD buffer/service tank, rectangular MS (IS:226) construction with 990 ltrs. capacity complete with flanged inlet & outlet, overflow, drain, vent, mechanical level indicator, 450 mm dia access hole on top with cover, flame arrestor. Tank will be made out of 3 mm MS sheet & will be provided with structural support to keep tank base at (2000 mm) above FFL with access ladder arrangement, painting etc. complete as required.	Each	5	35000.00	175000.00	
5	Supply of following size PVC/XLPE insulated, PVC sheathed heavy duty, armoured Aluminium conductor cable, 1.1 KV grade confirming to IS : 1554/part (1) with upto date amendments as reqd.					
(i)	3.5x95 sq. mm	Meter	75	367.00	27525.00	
(ii)	3.5x240 sq. mm	Meter	50	854.00	42700.00	
6	Supplying of Angle iron stand of size 1m x 1m x 2m with angle iron of size 50 mm x 50 mm x 6mm suitable for mounting 990 litres HSD tank of Size (1m x 1m x 1m)	Set	5	4000.00	20000.00	

S.No.	Description of item	Unit	Qty.	Rate	Amount	Remarks
7	Dismantling of 250 KVA, 50 KVA & 25 KVA DG set along with AMF Panel, HSD Buffer/ Service Tank, Cable etc. complete with all accessories, fitting etc. at sub-stations at runway 29/11 and shifting the DG set with AMF panel, HSD Buffer/ Service Tank, Cable etc. to NATS complex complete with transporting & crane for loading and unloading etc. as required as per the direction of EIC.	Set	5	20000.00	100000.00	
8	Laying of one number PVC insulated and PVC sheathed/XLPE power cable 1.1 KV grade of size exceeding 25 sq. mm but not exceeding 400 sq. mm in the existing masonry open duct as reqd.	Mtre	125	100.00	12500.00	
9	Supply & making end termination with brass compression grands and aluminium lugs for PVC insulated & PVC sheathed aluminium conductor cable of 1.1 KV grade of the following sizes as reqd.					
(i)	3.5 x 95 sq. mm	Set	6	800.00	4800.00	
(ii)	3.5 x 240 sq. mm.	Set	8	1500.00	12000.00	
10	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.	Set	10	5300.00	53000.00	
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.	Set	10	11955.00	119550.00	
12	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.	Meter	100	1274.00	127400.00	
13	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.	Meter	100	398.00	39800.00	
14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess (or sleeved in open space) for connections etc. as required.	Meter	100	990.00	99000.00	
15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	Meter	100	114.00	11400.00	
	Total				6567131.70	
	Say Rs.				6567132.00	

NOTE :

1. Rates are inclusive of all taxes, duties, Cess, fes, royalty charges etc. levied under any statute but exclusive of GST (As applicable).


Asstt. Gen. Mgr. Engg (E)
AAI NATS Complex