



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No: AAI/CIA/AMED-VI/STP-BLOWER/2020-21/A- 02

Date: 27.04.2020

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To

M/s. Chennai Engineering Services,
Plot No.30, Door No.1-536,
Krishna Nagar 1st Street,
Manapakkam, Chennai-600 125.

Sub: Replacement of Blower for Sewage Treatment Plant at Chennai International Airport. **Sub Head: Replacement of Aeration Blower for STP and Fire Static Tank Pumps at Chennai Airport.**

Ref: Tender ID: 2020_AAI_43008_1

Tender Ref. No.: AAI/CHE/AMED-VI/2019-20/03.

Dear Sir(s),

1. Your E-Tender for the above mentioned work is hereby accepted by the Competent Authority on behalf of Chairman, Airports Authority of India, at the items rates quoted by you totaling to **Rs.23,18,008/-** (Rupees Twenty Three Lakhs Eighteen Thousand and Eight Only) which is 9.87% below the justified cost of **Rs.25,71,800/-** (Rupees Twenty Five Lakhs Seventy One Thousand and Eight Hundred Only) which is inclusive of all the taxes, duties, levies and octroi etc., except GST which will be paid extra as applicable.
2. Joint. General. Manager (Engg.-Elect)-I, AMED, Operational Office, Airport Authority of India, Chennai Airport, Chennai-600 016 shall be the Engineer-In-Charge of the work. You are requested to attend the office of Joint General Manager (Engg -Elect)-I, AMED, AAI, Chennai Airport by **08.05.2020** (i.e. with in fifth day after withdrawal of countrywide lockdown) to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. The Earnest Money Deposit amount of **Rs.51,436/-** (Rupees Fifty One Thousand Four Hundred and Thirty Six Only) received along with your tender will be treated and converted as part of Security Deposit. Please deposit the balance amount of **Rs.1,80,365/-** (Rupees One Lakh Eighty Thousand Three Hundred and Sixty Five Only) towards Security Deposit within 10 days from the date of issue of this letter failing which the same will be deducted as per Clause-1A of General conditions of contract.
4. You are also directed to contact the Joint General Manager (Engg-Elect)-I, Airport Maintenance Electrical Division, Operational Office, Airports Authority of India, Chennai Airport or his Authorised representative immediately for the execution of the above work.

फैक्स: 044 - 2256 0008 ईपीएबीएक्स: 2256 0551, चेन्नईहवाईअड्डे, चेन्नई - 600 016.

Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 016.

5. 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.
6. Please note that the time allowed for carrying out the work shall be **03 (Three) Months** which shall be reckoned from 10th day after withdrawal of lockdown enacted in view of corona pandemic as per Government of India/State Government.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
8. 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.



(G.N.D.Kennedy)
Joint General Manager (Engg - Elect)-I,
For and on behalf of the Chairman,
Airports Authority of India.

Encl: Schedule of Quantity. - 4 pages.

**AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT :: CHENNAI - 600 016**

Name of Work: Replacement of Blower for Sewage Treatment Plant at Chennai International Airport.

SH: Replacement of Aeration Blowers for STP and Fire Static Tank pumps at Chennai Airport.

SCHEDULE OF QUANTITIES

Sl.No:	Description of Item	Unit	Qty	Rate	Amount
1	Replacement of existing Submerged Packed Bed Reactor (SPBR) Air Blower of Capacity: 600 CFM, Pressure: 7.4 PSIG for 4700 mm wg and coupled drive motor of suitable capacity (mimum 40 HP) including standard accessories confirming to Technical Specifications and modification of interconnecting air pipe line, installation on existing CC bed, earth connection, testing, commissioning etc., complete as required.	Job	2.00	347,499.00	694,998.00
2	Replacement of existing Equalization Tank (EQT) Air Blower of Capacity: 385 CFM, Pressure: 7.1 PSIG for 3600 mm wg and coupled drive motor of suitable capacity (mimum 25 HP) including standard accessories confirming to Technical Specifications and modification of interconnecting air pipe line, installation on existing CC bed, earth connection, testing, commissioning etc., complete as required.	Job	2.00	292,719.00	585,438.00
3	Replacement of existing Aerobic Digester (AD) Air Blower of Capacity:191 CFM, Pressure: 7.1 PSIG for 4150 mm wg and coupled drive motor of suitable capacity (mimum 12.5 HP) including standard accessories confirming to Technical Specifications and modification of interconnecting air pipe line, installation on existing CC bed, earth connection, testing, commissioning etc., complete as required.	Job	2.00	176,859.00	353,718.00
4	Supply of Heavy duty exhaust fan of 18", 1400 RPM, 240V, 50Hz Single phase confirming to Technical Specifications etc., complete as required.	Nos	2.00	3,999.00	7,998.00
5	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. Group C	Point	2.00	599.00	1,198.00
6	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
	Upto 450 mm sweep	Each	2.00	299.00	598.00

Sl.No:	Description of Item	Unit	Qty	Rate	Amount
7	Making of wall cut-out for exhaust fan up to 50 cm dia making good, cement finishing matching the surface, emulsion painting including disposal of malba complete etc as required.	Job	1.00	1,499.00	1,499.00
8	Supply of Open well type submersible Pump Set of Suitable rating for discharge 33LPS @ 16 Mtr head with SS strainer,CED coated component , SS shaft using anti-friction bearing, energy efficient type operated on 3 Phase, 415V, 50Hz AC power supply with discharge outlet of of suitable dia with the specified minimum discharge capacity including loading, unloading at site etc complete as required.				
a)	15HP (Model: KOS-1537+, Make:Kirloskar) Location: 1. Old Fire Station & 2. New Fire Station	No	6.00	40,219.00	241,314.00
9	Supply of GI piping and plumbing accessories as per technical specification etc., complete as required.				
a)	100mm GI ' B' class Pipe (Make: TATA)	Mtr	54.00	1,399.00	75,546.00
b)	100mm GI Elbow Threaded	No	10.00	1,299.00	12,990.00
c)	100mm GI Pipe Nipple	No	2.00	889.00	1,778.00
d)	100mm Butterfly Valve	No	2.00	2,719.00	5,438.00
e)	100mm GI Threaded (SCREWED) Flange	No	14.00	659.00	9,226.00
f)	100 mm Bronze Screwed Check Valve	No	2.00	7,149.00	14,298.00
g)	100 mm GI Long Bend	No	8.00	719.00	5,752.00
h)	100mm Rubber Gasket	No	10.00	69.00	690.00
I)	Red Oxide Primer (Make: Berger, 421 or equivalent)	Ltr	5.00	139.00	695.00
J)	Red paint (Make: Berger, K70 Industrial Enamel or equivalent)	Ltr	5.00	259.00	1,295.00
10	Supply of 6 Core X 4 Sq.mm PVC Insulated, Round Sheathed, Un-Armoured, Multi Core Bright Annealed Bare Copper Conductor Heavy Duty Industrial Cables for Voltage Grade 1100 Volts as per IS: 694:1990 etc., complete as required. Make: Polycab	Mtr	200.00	249.00	49,800.00
11	Restoration of faulty LT MCC panel including cleaning, de-rusting, spray painting of cubicle panels, Supply, installation, tesing, commisioning of all damaged components of Starter panel cubicles for pumps (15HP) with associated control wiring, ferrules & terminal blocks there protection accesories,LED indication Lamps, push botton etc., as required for 3 phase, 4 wire, 50 Hz supply system with complete technical/quality/workmanship compliance to LT panel technical specifications including connections, interconnections etc complete as required. Location:1. Old Fire Station & 2. New Fire Station	Job	6.00	18,999.00	113,994.00

Sl.No:	Description of Item	Unit	Qty	Rate	Amount
12	Provision of cable junction box, bakelite terminal block, wall mounting L-angle clamp with accessories, cable termination works including erection, installation, testing, commissioning etc., complete as required.	Job	6.00	1,499.00	8,994.00
13	Replacement of old fire station static tank open well submersible pump of 15HP capacity including dismantling of existing pump and delivery line, erection of new pump along including delivery pipeline, pipe fittings, plumbing accessories, termination of cable, testing, commissioning etc complete as required.	Job	2.00	3,399.00	6,798.00
14	Dismantling of open well type submersible pump from existing Sump at cowl bazar pump room along with delivery pipe line, PCC column clearing malba including transport, loading, unloading and handover in dismantle store at Old WTP etc complete as required.	Job	4.00	9,999.00	39,996.00
15	Supplying and fixing of fabricated M.S. cable tray of size 300mm width using L-channel 50X50X5mm, Flat channel 25X5mm suspended on brick work column including painting, Conduit clamp holes confirming to technical specification etc., complete as required.	Mtr	20.00	849.00	16,980.00
16	Supplying and fixing of 40mm size medium class FRLS PVC conduit along with accessories in existing MS cable tray, using U-bolt clamps or surface/recess including cutting the wall/floor and making good the same in case of recessed conduit etc., complete as required.	Mtr	66.00	149.00	9,834.00
17	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
	Upto 35 sq.mm	R/M	188.00	9.00	1,692.00
18	Supply and erection of Fabricated Structural steel work column of approved design (using frame with minimum 5 mm thick MS-Channel and MS-Angle) with welded sections, truss, frame work of vertical height upto 3.5 mtr, frame width of 0.4 Mtr including hoisting, fixing in position, Anchor Fastener in welded base plates, painting with approved steel primer and two coat enamel paint for erection of 100 mm dia GI water pipe line which should be safe enough to handle vibrations of 15 HP pump water discharge pipeline etc complete as required. (Design should be pre-approved by Engineering-in-charge).	KG	325.00	99.00	32,175.00

Sl.No:	Description of Item	Unit	Qty	Rate	Amount
19	Installation, Testing and Commissioning of following capacity open well submersible pump in static tank (max depth of 5 Mtr) at including cable termination, drawing of cable along the pipe, erection of delivery pipe line, associated accessories, fixing of flanges, Elbows, couplings on existing MS frame structure rigidly using U-bolt clamps etc., complete as required.				
a)	Open well Submersible- 15HP	Job	4.00	5,819.00	23,276.00
TOTAL					2,318,008.00

(Rupees Twenty Three Lakhs Eighteen Thousand and Eight Only) (excluding GST)

Note: GST will be paid extra as applicable.



(G.N.D.KENNEDY)
Jt. Gen. Manager (Engg-Elect)-I