



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No: AAI/CIA/AMED-VI/DE-WATERING/2020-21/A-28

Date: 15.12.2020

To

M/s. Chennai Engineering Services,
Plot No.30, Door No.1-536,
Krishna Nagar 1st Street,
Manapakkam, Chennai-600125.

Sub: Provision of FRP grating, level sensor, flow meter, non-contact level sensor, pump controllers, scissor lift, industrial trolley, filter media for WTP & STP at CIA. **Sub Head: Replacement of De-Watering Pumps Installed in Basement Area of Terminal Buildings at Chennai Airport (Phase-II).**

Ref: Tender ID: 2020_AAI_60529_1
Tender Ref. No.: AAI/CHE/AMED-VI/2020/01.

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.57,71,001.00** (Rupees Fifty Seven Lakhs Seventy One Thousand One Only) which is 16.99% below the Justified cost of **Rs.69,52,367/-** (Rupees Sixty Nine Lakhs Fifty Two Thousand Three Hundred Sixty Seven 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 on or before **24.12.2020** 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.1,39,050/-** (Rupees One Lakh Thirty Nine Thousand Fifty Only) received along with your tender will be treated and converted as part of Security Deposit. Please deposit the balance amount of **Rs.4,38,050/-** (Rupees Four Lakhs Thirty Eight Thousand Fifty 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.

Continue.....

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 **05 (Five)** Months and same shall be reckoned from the 10th day after issue of this letter.
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.

Yours faithfully,



(G.N.D.KENNEDY)

Jt. Gen. Manager (Engg - Elect)-I
For and on behalf of the Chairman,
Airports Authority of India

Encl: Schedule of Quantity (Page No.1 of 4).

AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT :: CHENNAI 600 016

Name of work: Provision of FRP grating, level sensor, flow meter, non-contact level sensor, pump controllers, scissor lift, industrial trolley, filter media for WTP & STP at CIA.

Sub Head: Replacement of De-Watering Pumps Installed in Basement Area of Terminal Buildings at Chennai Airport (Phase-II).

SCHEDULE OF QUANTITY

Sl. No.	Description of Item	QTY	Unit	Rate	Amount (Rs.)
1	Supply of dewatering submersible pump set of rating minimum 1.5KW/2HP suitable for 415 V, 50 HZ, AC power supply, non-sealed construction with discharge of 15 Cum/Hr @ 12 Meter Head, Insulation class 'F', non-clog, pump housing cast iron with all metal surfaces and suitable for continuos/intermittent operation in submerged condition, particle handling size of minimum 40mm and standard accessories i.e. discharge elbow including gaskets nut bolts, screws, washer etc. supplied by OEM or fabricated as per OEM specifications complete as required.	39.00	Set	62,999.00	24,56,961.00
2	Supply of sewage submersible pump set of rating minimum 1.8KW/2.5HP suitable for 415 V, 50 HZ, AC power supply, non-sealed construction with discharge of 15 Cum/Hr @ 15 Meter Head, Insulation class 'F', non-clog, grinder system impeller, pump housing shall be cast iron with all metal surfaces for sewage submersible pump suitable for continous / intermittent operation in submerged condition, standard accessories i.e. discharge elbow including gaskets nut bolts, screws, washer etc. supplied by OEM or fabricated as per OEM specifications complete as required.	16.00	Set	70,999.00	11,35,984.00
3	Supply of dewatering submersible pump set of rating minimum 1.5KW/2HP suitable for 415 V, 50 HZ, AC power supply, non-sealed construction with discharge of 15 Cum/Hr @ 12 Meter Head, Insulation class 'F', non-clog, pump housing shall be cast iron and impeller stainless steel only with all metal surfaces and suitable for continuos/intermittent operation in submerged condition, particle handling size of minimum 40mm and standard accessories i.e. discharge elbow including gaskets nut bolts, screws, washer etc. supplied by OEM or fabricated as per OEM specifications complete as required.	2.00	Set	75,999.00	1,51,998.00
4	Supply of MS stand for submersible pump set supplied by OEM/fabricated as per OEM recommendation for fixed floor mounting in the sump alongwith all fastener clamps nut bolts etc, painting with approved primer and two coat enamel paint as per the specification complete as required.	570.00	Kg	99.00	56,430.00
5	Supply & fixing of following motor Starter Panel spares including dismantling of faulty spare from the existing panel as per technical specification etc., complete as required.				
a	LED Indication lamp -RED/GREEN/YELLOW/BLUE- 22.5mm-(L&T, EIL)	126.00	Each	189.00	23,814.00
b	Push Button RED/GREEN with modular contact block (L&T-HD15C & HC61A2)	72.00	Each	139.00	10,008.00

Sl. No.	Description of Item	QTY	Unit	Rate	Amount (Rs.)
c	Three Phase LED Ammeter/Volt meter with accuracy class 1.0 (L&T, WL1320100000)	46.00	Each	899.00	41,354.00
d	MCCB extended handle (Suitable to DU 100H, L&T Make)	18.00	Each	899.00	16,182.00
e	Selecter switch, Auto - Manual switches 6A with center OFF (60 degree) (L&T-SAB)	18.00	Each	159.00	2,862.00
f	MN- 2 OLR Directly operated relay (3 - 5A range) (Make:L&T)	36.00	Each	849.00	30,564.00
g	Power contactors 3 pole, MNX 18 (1 NO) (Make: L&T-CS94100)	18.00	Each	689.00	12,402.00
h	MX 0 , 22 E Auxiliary contactor (2 NO +2NC) (Make: L&T)	18.00	Each	699.00	12,582.00
i	MNX-A1, front mounting Add-on Auxiliary contactor block (4 NO) (Make:L&T)	18.00	Each	399.00	7,182.00
j	MX-A1, 11E front Add on Aux contact block (1 NO +1 NC) (Make:L&T)	18.00	Each	299.00	5,382.00
k	Current Transformer, 2.5 VA with Class of 1	18.00	Each	2,499.00	44,982.00
6	Supply of float switch with at least 3 meter wire (make: damor or equivalent) and fixing it in the appropriate location in the sump including drawing of cable through concealed pipe, flexible conduit to the panel, control wiring modification for dual mode (auto & manual) operation of submersible pump as per specification etc., complete as required. (Note: SITC of one float switch for one motor is consider as 01 job)	56.00	Each	599.00	33,544.00
7	Supply of UPVC plumbing materials as per technical specification etc., complete as required.				
a	3 inch inner dia UPVC pipe (SCH 40).	145.00	Mtr	449.00	65,105.00
b	3 inch UPVC Flange with Gasket - End Cap Open (SCH 80)	280.00	Each	309.00	86,520.00
c	3 inch UPVC Elbow 900 (SCH 80)	168.00	Each	269.00	45,192.00
d	3 inch UPVC TEE (SCH 80)	28.00	Each	399.00	11,172.00
e	3inch to 4 inch upvc socket reducer (SCH 80)	8.00	Each	419.00	3,352.00
8	Supply of following GI plumbing materials as per technical specification complete as required.				
a	3 inch MS Slipon Weldable Flange	84.00	Each	139.00	11,676.00
b	3 inch butterfly valve (flange type) - CI, SS 304 disc-EPDM, PN 10, cast iron lever, short pattern.	84.00	Each	1,999.00	1,67,916.00
c	3 inch NRV wafer type (flange type), SS 304 disc, PN-10	56.00	Each	1,249.00	69,944.00
9	Supply of 3C X 1.5 Sq.mm PVC insulated and PVC Sheathed industrial cable, 1100 Volt, conforming to IS 694 for submersible pump motor etc complete as required.	300.00	Mtr	59.00	17,700.00

Sl. No.	Description of Item	QTY	Unit	Rate	Amount (Rs.)
10	Erection, Installation, Testing and Commissioning of 2 Nos dewatering submersible pump set including MS stand, discharge elbow by levelling of concrete floor & Replacement of damaged GI piping including removal of GI delivery piping in sump, cutting of GI pipe, welding of flange, scrapping, cleaning, painting of remaining GI pipe with approved primer and marine grade paint and Fixing of UPVC piping including cutting of pipe, fixing of plumbing accessories i.e., flanges, elbow, tee etc., using UPVC adhesive, nut bolts, gasket, 2 Nos butterfly valve and 2 Nos NRV etc., in existing de-watering sump as per the specification etc., complete as required.	20.00	Job	7,239.00	1,44,780.00
11	Erection, Installation, Testing and Commissioning of 2 Nos of sewage submersible pump set including MS stand, discharge elbow by levelling of concrete floor & Replacement of damaged GI piping including removal of GI delivery piping in sump cutting of GI pipe, welding of flange, scrapping, cleaning, painting of remaining GI pipe with approved primer and marine grade paint and Fixing of UPVC piping including cutting of pipe, fixing of plumbing accessories i.e., flanges, elbow, tee etc., using UPVC adhesive, nut-bolts, Gasket, 2 No butterfly valve & 2 No NRV, etc. in existing sewage sump as per the specification etc., complete as required.	8.00	Job	8,729.00	69,832.00
12	Fixing of new butterfly valve in common Delivery GI pipe line including cutting of existing 80 mm pipe and welding GI flanges etc. as per specification complete as required.	19.00	Job	999.00	18,981.00
13	Supply and laying of 50 mm dia UPVC Pipe (Sch-40) in concrete for cable laying by cutting the concrete of dimension 25cm depth X 10cm width for laying the pipe, threading, cutting, joining of pipe & filling the gaps with PCC 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size and making good the surface matching with original finish etc. as required and as per the instruction of Engineer-in-charge.	100.00	Mtr	499.00	49,900.00
14	Painting of de-watering sump MS cover plate with Enamel paint (black)-2 coats including anticorrosive metal primer red oxide of approved brand to give an even shade complete etc as required.	100.00	Sq.Mtr	169.00	16,900.00

Sl. No.	Description of Item	QTY	Unit	Rate	Amount (Rs.)
15	Supply and fixing of non-corrosive Fiberglass Reinforced Plastic (FRP) molded grating walkway of Mesh size 38mm X 38mm , Height: 38 mm, 3 mm thickness Chequered plate molded onto FRP Grating, With Rib thickness 5/7 mm on existing dewatering sump and supported by FRP tray of 100mm width at 500mm span embedded below the grating across the sump opening including dismantling of existing bottom frame (MS), fixing of newly fabricated bottom Frame using MS L-Channel 50mm X 50mm X 5mm, MS/GI hooks for lifting and civil modification works (CC chipping, filling, finishing) for proper insertion & seating etc. complete as required.	200.00	Sq.Mtr	4,749.00	9,49,800.00
Total Rs.					57,71,001.00
Say Rs.					57,71,001.00

(Rupees Fifty Seven Lakhs Seventy One Thousand One Only) (Excluding GST)



(G.N.D.KENNEDY)
Jt. GENERAL MANAGER(E-E)-I