



No: AAM/ENGG/ELEC/AMED-II/ASD/ 2022-23/A-32

Date: 21.09.2022

To

M/s. Technocrats Security Systems Pvt. Ltd.
Unit-2, Model Industrial Colony,
Vishweshwar Nagar, Off Aarey Road,
Goregaon(E), Mumbai – 400 063.

Name of the Work: “Replacement of Automatic Sliding doors at Chennai Airport - Phase-II”

1. Ref: - Tender ID. 2022_AAI_123614_1.
2. Your E-Tender Opened on 27.07.2022.

Dear Sirs,

1. 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 totaling to **Rs. 41,65,200.00 (Rupees Forty-One Lakhs Sixty-Five Thousand Two Hundred Only) Excluding GST** Which is 23.18% Below the Estimated Cost put to tender Rs.54,21,680.00 (Rupees Fifty-Four Lakhs Twenty-One Thousand Six Hundred and Eighty Only) Excluding GST.
2. Joint General Manager Engineering (Elec)-II EMD, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600016 shall be the Engineer-in charge of the work. You are requested to attend the office of Joint General Manager Engineering (Elec)-II, AAI, Chennai Airport on or before 30.09.2022 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. 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 there of Central and State Governments.
4. You are also directed to contact Manager Engineering (Electrical) Airport Maintenance Electrical Division II, Operational Office, Airports Authority of India, Chennai Airport immediately who will arrange to hand over the site to you.
5. Please note that the time allowed for carrying out the work shall be **04 (Four) Months** and same shall be reckoned from 7th day of issue of work order.

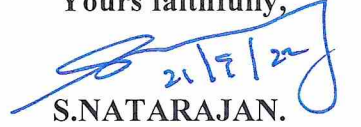
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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

6. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in charge.
7. 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,


21/6/20

S.NATARAJAN.

Jt. General Manager (Engg. -Elect.)-II
AAI Chennai.

Encl: Schedule of Quantities (02 Pages)

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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
चेन्नै एयरपोर्ट:: चेन्नै 600 016
CHENNAI AIRPORT:: CHENNAI 600 016
SCHEDULE OF QUANTITY

Name of the Work: Replacement of Automatic Sliding doors at Chennai Airport - Phase-II

S. No.	Description	Qty	Unit	Rate	Amount
1	Toughened clear Glass with frame for Automatic sliding doors moving leaf				
1(a)	Supply & fixing of Glass make of St.Gobain or approved equivalent of 12mm thickness. All the glass edges to be machine grinded and edge polished. Rate inclusive of all materials, labour, lead and lift, transports, insurance, wastage, accessories, staging, scaffolding, power, water and overheads etc complete as per the direction of engineer in charge.	80	Sq.mtr	7,500.00	6,00,000.00
2	Automatic Sliding Door Driver / Mechanism/Operator				
	Supply and installation of Automatic Sliding door operator ,4150mm opearator suitable for glass thickness 8-12 mm and double Sliding of 2x1000mm panel size and compliant with European standards and produced according to the guidelines for power-operated windows, doors and gates, BGR 232, the UVV and the VDE regulations. TÜV design tested for 1 Million Cycle of opeartion in accordance with low voltage guidelines of IEC /EN 60335-2-103 and fulfils EN 16005 and DIN 18650-1 / DIN 18650-2 standards. The Profile Finish should be Silver Anodized EVI finish. Automatic doors Operators should be with very sturdy design , Self balancing Panel suspension system and with Anti-Jump fitting. The track profile should be separate from the main profile for enabling reduction in vibration insulation, With Optional backplate for easy Installation. 16 bit intelligent Microprocessor-controller unit should be handled without any external handheld unit , Self-learning, with adjustable parameters for opening and closing speed with an incremental value of 10cm/sec , Max. 30 Sec. hold-open time and opening and closing force, reversing when obstruction is encountered, Class of protection IP 20. The Max. opening and close force by the opearator should not exceed 150N and Max. Power consumption doesnot exceed 180W during opeartion mode. The operator is used with Optional Electro Mechanical failsecure lock. The optional activators are via Motion and Presence sensors with 2x Microwave for activation and double rows of 24 spots failsafe Safety infra curtains without the need of Photocell. Program Switch with Knob, Max Panel Weight Carrying Capacity of 1 X 120 Kgs / 2 x 120 kgsThe system shall have constant power supply 230V+ 5%, 50Hz, AC.				
	Aluminium Profile :				
	The Opearator is combined with sleek aluminium profile suitable to hold 8-12mm Toughned Glass with correct size of rubber gaskets without using any local sealants. The Profiles should provide for an interlocking arrangement to close out gaps between the sliding panel and fixed panel ,also having F Type Interlock seal on the closing edge of the 2 moving panels. These interlockings should be provided with seals. The profile size not exceeding Vertical Profile (30-40)mm and Horizontal Profile (60-75)mm and has Valid Environmental Product Declartaion (EPD) Certification as per ISO 14025 and 15804 standards. The Operator assembly / production units must fulfill valid quality management systems of ISO 9001: 2015 and also have Environmental Management System of ISO 14001: 2015 Certifications for product approval				
	Automatic sliding door driver/Mechanism/operator confirming to Indian or international standards shall be supplied and fixed with the following features.				

	1. A Pair of bi- parting doors between fixed side glasses as specified in "Glass" in BOQ item no.1 2. The system should be equipped with floor guiding system, 3. Two sensors(combination of motion and presence sensors) with a range of operating, control options and safety devices 4. Product used should comply with ISO 9001:2015 certification and fulfils European standards and regulations. 5. TUV type tested compliance with EU low voltage directives 6. Motor: Permanent magnet DC motor with a sealed integral gear box 7. Drive: Variable speed Geared Transmission through timer belt system 8. Automatic Lock : Bi-Stable electromechanical for safety and security				
	9. Safety stop/reverse 10. Adjustment of all basic parameters via integrated push button/display programme switch 11. Sleek SS/Anodized aluminium Header frame and hinged operator cover 12. Two trolleys/roller sets per sliding leaf 13. Insulated and modular track rail, track profile separate from main profile 14. UVV accident prevention and VDE electrical engineering compliance 15. Five position programme selective switch & interior notification panel (digital)				
	Mechanical Features				
	1.Max. Clear width : 2000 mm 2.Min clear width : 1000 mm 3. Max Clear Height : 2400 mm 4. Max Sliding leaf weight: 120 Kg / leaf				
	Performance				
	1. Opening speed: 10-30 cm/s (Incremental Setting) 2. Closing speed : 10-50 cm/s (Incremental Setting) 3. Max opening and closing force: 150 N 4. Hold open time: 0 to 180 seconds 5. Battery Pack - fitted in transom, for emergency opening or Emergency Closing 6. Independent adjustment of speed and force: Yes				
	Dimensions/Size:				
a)	2450 X 2000 Clear opening (HXW) Location : T1 Domestic)-12mm toughened glass	2	Nos.	1,65,150.00	3,30,300.00
b)	2350 X 1030 Clear opening (HXW) (Location : T1- Domestic)- 12mm toughened glass	12	Nos.	1,45,000.00	17,40,000.00
c)	2450 X 2000 Clear opening (HXW) (Location : T4- International)-12mm toughened glass	6	Nos.	1,65,150.00	9,90,900.00
d)	2350 X 1030 Clear opening (HXW) (Location : T4- International)- 12mm toughened glass	3	Nos.	1,45,000.00	4,35,000.00
3	Dismantling and removal of existing automatic operator and sliding door panels etc. and shifting the same to AAI store	23	Nos.	3,000.00	69,000.00
Total Rs.				41,65,200.00	

(Rupees Forty One Lakhs Sixty Five Thousand Two Hundred Only)

(Excluding GST)


(S.NATARAJAN)
Jt. Gen. Manager (E-E)-II

Signature Not Verified

Digitally signed by RAGHURAMA REDDY DODDA
Date: 2022.11.19 16:08:17 IST
Location: eProcurement System for Central PSUs