



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No: AAM/ENGG/ELEC/AMED-II/ASD /2021-22/ **A-02**

Date: 04.01.2022

To,
M/s. Door Systems and Beyond
J-101, Kalkaji,
New Delhi – 110019.

Name of Work: Replacement of Automatic Sliding doors at different locations of Domestic (T1) Terminal, Chennai Airport.

Ref: 1. Tender ID: 2021_AAI_96807_1

2. Your E-Tender Opened on 16.12.2021

Dear Sir (S),

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. 30,87,000.00 (Rupees Thirty Lakh Eighty Seven Thousand only). Which is 35.11% below the Estimated cost put to tender of Rs. 47,57,526.00 (Rupees Forty Seven Lakh Fifty Seven Thousand Five Hundred and Twenty Six Only) Excluding GST.
2. Joint General Manager Engineering (Elec.), 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 the Joint General Manager Engineering (Elect.), EMD, AAI, Chennai Airport by 17.01.2022 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 Hundred Only) and the cost of the stamp paper shall be borne by you.
3. Please deposit the amount of Rs.3,08,700.00 (Rupees Three Lakh Eight Thousand Seven Hundred Only) towards Security Deposit within 10 days from the date of issue of this letter failing which the same will be deducted as per conditions of clause 1A of the contract document.
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 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.



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6. Please Note the time allowed for carrying out the work shall be 03 (Three) Months and same shall be reckoned from 7th day of issue of work order.
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,

[Signature]
4.1.22

(S. NATARAJAN)
Jt. General Manager (Engg. -Elect.)-III,
AAI Chennai.

Encl.: Schedule of Quantities (04 pages)



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AIRPORTS AUTHORITY OF INDIA
चेन्नै एयरपोर्ट:: चेन्नै 600 016
CHENNAI AIRPORT:: CHENNAI 600 016
SCHEDULE OF QUANTITIES

Name of the Work: Replacement of Automatic Sliding doors at different locations of Domestic (T1) Terminal, Chennai Airport.

S. No.	Description	Qty	Unit	Rate	Amount
1	Toughened clear Glass with frame / Polycarbonate sheet with frame for Automatic sliding doors moving leaf				
1(a)	Supply and fixing Double Leaf moving Glass with frame with all necessary SS U channels, SS fasteners, notches and holes for fixing auto mechanism fitting/Patch fitting holding of 12 mm Toughened Clear glass with frame . All the glass edges to be machine grinded and edge polished. . Glass make of St.Gobain or approved equivalent. Grade of SS shall be SS 316. Necessary brackets and supports shall be finished with GI/ Super durable powder coating external grade of approved RAL colour . 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. (Make: Dorma Kaba, Model :ST Flex Frame or equivalent)	40.00	Sq.mtr	7,800.00	3,12,000.00
1(b)	Supply and fixing Double Leaf moving polycarbonate sheet with frame with all necessary SS U channels, SS fasteners, notches and holes for fixing auto mechanism fitting/Patch fitting holding of 10mm thick polycarbonate sheet with frame . Grade of SS shall be SS 316. Necessary brackets and supports shall be finished with GI/ Super durable powder coating external grade of approved RAL colour . 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. (Make: Dorma Kaba, Model :ST Flex Frame or equivalent)	50.00	Sq.mtr	8,600.00	4,30,000.00

S. No.	Description	Qty	Unit	Rate	Amount
2	Automatic Sliding Door Driver / Mechanism/Operator Supply, fixing, coordinating automatic sliding door operator/Mechanism/Driver to hold 12 mm toughened clear glass with frame/10mm thick polycarbonate sheets with frame, Micro processor control panel with adjustable parameters for opening and closing speed, self-learning, reversing when obstruction is encountered, hold open time and opening and closing force. Clause of protection IP 20,TUV design tested for 1 Million Cycle of operation 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 system be suitable of 230V, 50Hz,AC power supply operation for various opening sizes all complete of the type, specifications and schedule of work. The cost inclusive of Operator, light barrier/Nemo sensor, Softener seal, brush profile, floor guide, concealed handles, Bottom lock etc ., complete excluding glass. Rate inclusive of all materials, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water,etc all complete as per the direction of the Engineer in charge. Note:12 mm toughened clear glass with frame will be measured in BOQ Item no.1(a) / 10 mm thick polycarbonate sheets with frame will be measured in BOQ Item no.1(b). Automatic sliding door driver/Mechanism/operator confirming to Indian or international standards shall be supplied and fixed with the following features. (Make: Dorna Kaba ,Model :ES200EASY or equivalent)				
2.1					

S. No.	Description	Qty	Unit	Rate	Amount
2.2	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, One pair of light barriers and release device between sliding and fixed panels 3. Electro magnetic locks, two Infrared detectors with a range of operating, control options and safety devices 4. Product used should comply with ISO 9000:2000 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. Microprocessor: 16 bit - Intelligent Door. 9. Automatic Lock : Bi-Stable electromechanical for safety and security. 10. Safety stop/reverse. 11. Automatic compensation of friction. 12. Adjustment of all basic parameters via integrated push button/display programme switch. 13. Sleek SS/Anodized aluminium Header frame and hinged operator cover. 14. Two trolleys/roller sets per sliding leaf 15. Insulated and modular track rail, track profile separate from main profile. 16. UVV accident prevention and VDE electrical engineering compliance. 17. Five position programme selective switch & interior notification panel (digital).				

S. No.	Description	Qty	Unit	Rate	Amount
2.3	Mechanical Features: 1. Max. Clear width : 3000 mm 2. Min clear width : 1100 mm 3. Max Clear Height : 2400 mm 4. Max Sliding leaf weight: 150 Kg Performance : 1. Opening speed: 10-70 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 back up : 30 minutes 6. Independent adjustment of speed and force: Yes Electrical Features: 1. Power consumption during operation : not to exceed 230 W 2. Ambient temperature during operation : 0 to 50 Deg Celsius				
2.4	Dimensions/Size:				
2.41	2500 X 2000 Clear opening (HXW) Location : T1D1,T1D2, T1D3, T1 D4)-10mm Polycarbonate	8.00	Nos.	1,60,000.00	12,80,000.00
2.42	2500 X 2000 Clear opening (HXW) (Location : T1A2)- 12mm toughened glass	2.00	Nos.	1,60,000.00	3,20,000.00
2.43	2330 X 2780 Clear opening (HXW) (Location : T1- Mezzanine floor)-12mm toughened glass	4.00	Nos.	1,60,000.00	6,40,000.00
3	Dismantling and removal of existing automatic operator and sliding door panels etc. and shifting the same to AAI store	14.00	Nos.	7,500.00	1,05,000.00
Total (Excluding GST) Rs.					30,87,000.00

(Rupees Thirty Lakh Eighty Seven Thousand only) Excluding GST


 (S.NATARAJAN)

Jt. Gen. Manager (E-E)-III