



भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

No.AAI/ENGG/CAP/CC-II/VESTIBULES/2021/962-974

Date: 26.11.2021

To,

**M/s Shri Balaji Construction**  
B-19, Street No 2  
Chandu Nagar, Karawal Nagar Road,  
N-E Delhi, New Delhi - 110094  
E-mail : [shribalajiconstruction74@yahoo.com](mailto:shribalajiconstruction74@yahoo.com)  
Phone : 8447664317

**Name of Work-** Modernization of Chennai Airport, Phase-II

**SH: Providing vestibules, Automatic Sliding Doors, Spider Glazing, Glass Swing Doors and other glazing works.**

**Ref:** Financial E-Bid for the above work opened on 06.10.2021 (Tender Reference No.: AAI/ENGG/CAP/CC-II/VESTIBULES and Tender ID: 2021\_AAI\_86954\_1

Dear Sir,

1. Your e-tender 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. 6,87,71,291.00 (Rupees Six Crore Eighty Seven Lacs Seventy One Thousand Two Hundred Ninety One only) inclusive of all taxes, duties, cess, fee, royalty charges etc. levied under any statute but exclusive of GST (Goods & Service Tax). The quoted amount is 25.99% below the estimated cost put to tender of Rs. 9,29,27,500/- (excluding GST).
2. Deputy General Manager (Engg.- Civil)-II, AAI, Chennai Airport Project, Chennai shall be the Engineer -in-Charge for this work. You are requested to attend the office of Deputy General Manager (Engg-Civil)-II, AAI, Chennai Airport Project, Chennai - 600016 by 13.12.2021 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 34,38,565/- (Rupees Thirty Four Lacs Thirty Eight Thousand Five Hundred and Sixty Five only) towards security deposit within 15 days from the date of issue of this letter failing which, the same will be deducted as per condition of clause 1 A on page GCC-23 of GCC of contract document.
4. Within 30 days of issue of acceptance letter, you shall submit to AAI, a performance Guarantee as per condition of Clause 1 on page GCC-22 of GCC for an amount of Rs. 20,63,139/- (Rupees Twenty Lacs Sixty Three Thousand One Hundred and Thirty Nine only) in the form of a Bank Guarantee on the proforma appended at Appendix- XI & XI A on page GCC-158 to GCC-161 of GCC of the contract document.

Phone: GM (Engg-Proj) : (044) 2256 6121 / 3800  
GM (Engg-Elec) : 2256 6114 / 3802  
GM (Finance) : 2256 0515 / 4026  
Civil : 2256 3822 / 6151 / 6122 / 6159 Arch : 3843  
Electrical : 2256 6165 / 6120 / 6435  
Finance : 2256 4939 / 4951

चेन्नई विमानपत्तन परियोजना, चेन्नई - 600 016.  
Chennai Airport Project, Chennai - 600 016.  
Email: [gmprojchn@aai.aero](mailto:gmprojchn@aai.aero)  
Web: [www.aai.aero](http://www.aai.aero)



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, Child labour (Prohibition & Regulation) Act 1986, Construction workers (Regulation of Employment and Conditions of Service) Act 1996, Building and other Construction workers welfare cess Act 1996 as specified in clause 19 on page no. GCC-73 of tender document and rules of Central and State Govt.
6. You are also requested to contact Deputy General Manager (Engg Civil)-II, AAI, Chennai Airport Project, Chennai immediately who will arrange to handover the site to you.
7. You are requested to comply with the security norms as per clause 52 on Page SCC-23 & 24 of tender document to obtain AEP for staff, which is to be issued by BCAS through AAI. Police verification certificate has to be obtained for the staff/agency deployed at Airport. The expenditure towards this shall be borne by the agency.
8. Please note that the time allowed for carrying out the work shall be 21 months in two phases (3 Months for Phase-I + Lean period of 14 Months + 4 Months for Phase II) which includes 02 months for two monsoon seasons and same shall be reckoned from 15<sup>th</sup> day after issue of this letter.
9. Any future correspondence in connection with the contract should normally be addressed to the Engineer- in -Charge.
10. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

Yours Sincerely,

  
26/11/21

**Deputy General Manager (Engg.-Civil)-II,  
AAI, Chennai Airport Project  
For and on behalf of the Chairman,  
Airports Authority of India**

**Encl:** Schedule of Quantities



### SCHEDULE OF QUANTITIES

**Name of Work: Modernization of Chennai Airport Phase – II, Chennai. SH : Providing Vestibules, Automatic Sliding Doors, Spider Glazing, Glass Swing Doors and other glazing works.**

| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qty     | Unit | Rate      | Amount      |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|-----------|-------------|
| 1.00  | Toughened Laminated Glass with Sentry Interlayer (15.52mm Thick) for Automatic sliding doors fixed parking side shutters<br>Design, coordinate, Supply and fixing Double Leaf / single leaf Glass door shutters and fixed parking side shutters with all necessary SS U channels and SS fasteners, notches and holes (for fixing Auto mechanism fitting/Patch fitting holding) of 15.52 mm Thick glass consist of 8mm Fully Toughened (Heat Soaked) + 1.52mm Sentry Plus Interlayer + 6mm Fully toughened (Heat Soaked) Laminated Clear glass units as per dimension and specification as indicated in GFC drawings and technical matrix. All the glass edges to be machine grinded and edge polished. Glass make 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 as per architect intent. Rate inclusive of all materials, labour, lead and lift, transports, insurance, wastage, accessories, staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge.(Automatic Sliding door mechanism will be paid under item no 2) | 1158.00 | Sqm  | 7854.00   | 9094932.00  |
| 1.10  | Automatic Sliding Door Driver / Mechanism / Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |      |           |             |
| 1.20  | Design, Supply, fixing, coordinating Automatic sliding door operator/Mechanism/Driver to hold 15.52 mm laminated glass, 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, The system be suitable of 230V, 50Hz, AC power supply operation for various opening sizes all complete of the type and extend described in the drawing , specifications and schedule of work. The cost inclusive of Operator, light barrier, Softener seal, brush profile, floor guide, concealed handles, Bottom lock etc as per architect intent, complete excluding glass(Glass will be paid under item no.1). The work shall be executed as per technical specification and as directed by the Engineer in charge.                                                                                                                                                                                                                                                                                                                                                                            |         |      |           |             |
| 1.40  | Dimensions/Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |      |           |             |
| 2.00  | 2400 X 2400 Double leaf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |      |           |             |
| 3.00  | 2100 X 2400 Double Leaf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 92.00   | Each | 170760.00 | 15709920.00 |
| 4.00  | 1500 X 2400 Single leaf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.00    | Each | 165360.00 | 661440.00   |
| 4.10  | External Frameless Glass Swing Doors 15.52 mm thick with Sentry Plus Interlayer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16.00   | Each | 134760.00 | 2156160.00  |
| 4.20  | Design, Supply and fixing frameless glass swing doors with toughened laminated glass 15.52 mm Thick consist of 8mm Fully Toughened (Heat Soaked) + 1.52mm Sentry Plus Interlayer + 6mm Fully Toughened (Heat Soaked) Laminated Clear glass unit) using heavy duty approved make SS patch fittings such as top patch, bottom patch , Handles, Locks, seals and concealed floor mounted springs etc complete. Handle "C/D or H" type of 30mm dia , size & length as approved by the engineer in charge. Rate inclusive of all materials such as Patch fittings, Laminated Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc all complete as per technical specifications and the direction of engineer incharge.<br>Dimensions/Size                                                                                                                                                                                                                                                                                                                                                                                                                         |         |      |           |             |
| 5.00  | 2400mm X 2400mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12.00   | Each | 76986.00  | 923832.00   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7       | Each |           |             |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5       | Each |           |             |
| 6.00  | 1200mm X 2400mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.00    | Each | 40425.00  | 40425.00    |
| 6.10  | Internal Frameless Glass Swing Doors 12.52 mm with PVB Interlayer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |      |           |             |
| 6.20  | Design, Supply and fixing frameless glass swing doors with toughened laminated glass 12.52 mm Thick consist of 6mm FT(Heat Soaked) + 1.52mm PVB Interlayer + 5mm FT(Heat Soaked) Laminated Clear glass unit using approved make SS patch fittings such as top patch, bottom patch , Handles, Locks, seals and concealed floor mounted springs etc complete. Handle "C/D or H" type of 30 mm dia , size & length as approved by the engineer in charge. Rate inclusive of all materials such as Patch fittings, Laminated Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge.<br>Dimensions/Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |      |           |             |
| 7.00  | 2400mm X 2400mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 42.00   | Each | 60186.00  | 2527812.00  |
| 8.00  | 1200mm X 2400mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7.00    | Each | 31710.00  | 221970.00   |



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| 8.10  | Spider Glazing For Internal Lifts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |     |          |            |
| 9.00  | Design supply & installation of suspended Spider Glazing system for internal lifts, designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 13.52 laminated glass (6mm clear toughened glass heat soaked +1.52 clear PVB +6mm clear toughened glass heat soaked of saint gobain or approved equivalent make . The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (10 to 12mm) and gaps at the perimeter & in SS U channel of the assembly to be filled with clear weather sealant, so as to make the entire system fully water proof & dust proof. Rate inclusive of all materials such as SS Spider fittings, Laminated Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge.         | 700.00 | Sqm | 11730.00 | 8211000.00 |
| 9.10  | 2 Hours Fire rated partition for data centre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |     |          |            |
| 9.20  | Design, Supply and installation of tested Vetrotech Saint-Gobain VDS® or approved equivalent, fully glazed fire rated fixed partition with 120 minutes of integrity and radiation control (EW 120) with symmetrical (bi-directional) fire protection.. The frames are cold rolled from 1.5 mm thick steel sheet to form a profile of 50 mm x 50 mm on all sides. The system shall be tested as per EN 1364-1 in an international accredited laboratory. Rate inclusive of all materials such as fittings, Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge                                                                                                                                                                                                                                                                                                                                   |        |     |          |            |
| 10.00 | Fixed Partition System of size 3600mm x 1200mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 52.00  | Sqm | 31300.00 | 1627600.00 |
| 10.10 | Casement Windows for ESS Building                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |     |          |            |
| 11.00 | Designing, Supplying, fabricating, installation of Aluminium casement window system for ESS building, comprising the following<br>Glass : 6mm ET 155 HS heat soak tested of St. Gobain or approved equivalent make. System : Shall be designed to withstand wind pressure of 2.5 KPA[1/175 ASTM E 330], Water Tightness of 350 Pa [ASTM E 331 • 547], .<br>Grade of Aluminium Extrusions: Alloy 6063 T6 or BSH9 confirming to IS 63400 or equivalent<br>Finish: All exposed surface shall be coated with super durable powder coat exterior grade having DFT 60 to 80 microns. All concealed aluminium profiles such as cleats shall be treated with chrome free primer coating. Rate inclusive of all materials such as fittings, Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge.                                                                                                         | 25.00  | Sqm | 5600.00  | 140000.00  |
| 11.10 | Fixed Glazed partition for HVAC plant room                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |     |          |            |
| 12.00 | Designing, Supplying, fabricating, installation of fixed double-glazed window system for HVAC plant room, comprising the following with necessary lead, lift, scaffolding, labour, materials etc complete.<br>Glass : 6mm clear toughened +16mm air gap+6mm clear toughened both heat soak tested of St. Gobain or approved equivalent make<br>System : The four sided supported aluminium framing system shall be designed to withstand wind pressure of 2.5 KPA[1/175 ASTM E 330], Water Tightness of 350 Pa [ASTM E 331 • 547],<br>Grade of Aluminium Extrusions: Alloy 6063 T6 or BSH9 confirming to IS 63400 or equivalent<br>Finish: All exposed surface shall be coated with super durable powder coat (as approved by the architect) exterior grade having DFT 60 to 80 microns. Rate inclusive of all materials such as fittings, Glass, SS fasteners, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge. | 5.00   | Sqm | 5340.00  | 26700.00   |

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|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|---------|-------------|
| 12.10 | Aluminium Composit Panel cladding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |     |         |             |
| 13.00 | Design, Supply and fixing Aluminium composite panel for vestibules, shall be of approved makes and made out of 4mm thick aluminum composite panel comprising of Aluminum Skin of Minimum 0.5mm of 5005 Alloy, coated with KYNAR 500/Hylar 5000 PVDF based fluorocarbon resin and Lead free Coating of approved finish +3mm thick noncombustible mineral based polymer core compliance to A2, s1, d0 As per En13501-1, ASTM E119 and NBC Guidelines 2016 +0.5mm aluminum skin of 5005 Alloy with service coat bond with either Sandwich or co extrusion process. Overall weight of the panel shall not be less than 8 kg per sqm. Fixed using stainless steel 316 grade screws, nuts, bolts, washers, cleats, weather silicone non streaking sealant, backer rods etc. The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised finish with Nylon separators to prevent bi-metallic contacts.<br>Frame Work : Mild Steel hot dipped galvanized (60 microns) C brackets of size 75mm x 50 mm x 6 mm with slot of 8mm x 15mm are fixed to the existing RCC columns/walls or any other backing surface. Aluminium hollow section / tube of size 38mm x 50mm of 2mm thick shall be fixed to these brackets both vertically and horizontally by using M6 x 75mm stainless steel bolts and nuts. The framework can easily be aligned for plumb and straightness panel fixing. Aluminium as framing material and shall be anodized to 15 microns as specified. Rate inclusive of all materials such as aluminium framing, ACP, SS fasteners, Sealants, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and as directed by the Engineer in charge. | 6000.00 | Sqm | 4490.00 | 26940000.00 |
| 13.10 | Frosted Film for façade glass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |     |         |             |
| 14.00 | Supply and installation of frosted film (on site installation) 3M, Garware, Llummar or approved equivalent make on the inner pane of the façade glass as directed by the Engineer-in-charge. Rate inclusive of all materials such as frosted film, labour, lead and lift, transports, insurance, wastage, accessories , staging, scaffolding, power, water and overheads etc., all complete as per technical specification and the direction of engineer incharge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 550.00  | Sqm | 890.00  | 489500.00   |
|       | Total in Figures ( Excl GST)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |     |         | 68771291.00 |

  
26/11/21

DGM(E-C)-II  
AAI, Chennai Airport Project