

BILL OF QUANTITIES (BOQ)

Supply, Installation & Commissioning of High-Speed PVC Rolling Curtain System (02 Gates N12 + 01 Turnstile Door)

1. OBJECTIVE

To install High-Speed PVC Rolling Curtain Systems at Gate N12 (02 locations) and 01 turnstile door to minimize HVAC cooling losses, reduce heat ingress, and maintain internal temperature in the facility.

2. SITE DETAILS & DIMENSIONS

Location	Description	Height	Width
Gate N12 – 01	Main Entry Gate	11.5 ft	16 ft
Gate N12 – 02	Secondary Entry Gate	10.9 ft	14 ft
Turnstile Door	Pedestrian Access	9 ft	7 ft

3. SCOPE OF WORK

The contractor shall perform:

- Site verification of all dimensions
- Design, supply, installation, testing & commissioning of high-speed PVC rolling curtains
- Fabrication and installation of complete supporting structure
- Provision of top and side sealing to prevent air leakage
- Minor civil works and modification of openings (if required)
- Integration of all accessories required for smooth operation
- Final testing and handover

4. TECHNICAL SPECIFICATIONS

4.1 High-Speed PVC Rolling Curtain System

- Heavy-duty transparent/reinforced PVC curtain sheet
- High-speed rolling mechanism (motorized where applicable)
- Opening/closing speed suitable for industrial use
- Wind-resistant guides with side sealing
- Bottom safety edge / sensor (if motorized)
- Low noise operation
- Suitable for high-temperature industrial environments

4.2 Structure & Frame

- MS Powder Coated / GI Steel frame
- Corrosion-resistant
- Heavy-duty mounting arrangement

4.3 Control System (for Gates)

- Push button / remote / sensor-based operation
- Emergency stop provision
- Manual override in case of power failure

4.4 Top & Side Closure

- GI Sheet / Sandwich Panel / PVC Sheet
- Proper sealing above and around curtain

5. BILL OF QUANTITIES

S. No	Description	Qty
1	Supply & Installation of High-Speed PVC Rolling Curtain System for Gate N12 – 01 (11.5 ft × 16 ft)	1 Job
2	Supply & Installation of High-Speed PVC Rolling Curtain System for Gate N12 – 02 (10.9 ft × 14 ft)	1
3	Supply & Installation of PVC Curtain System for Turnstile Door (9 ft × 7 ft)	1
4	Fabrication & Installation of Supporting Structure (MS/GI) for all openings	3
5	Closing of Openings Above Curtains (GI/PVC/Sandwich Panel)	3
6	Minor Civil Works & Modification of Openings (as required)	3
7	Testing, Commissioning & Handover	3

6. WARRANTY

- 01 Year Comprehensive Warranty for all systems, covering:
- Motor & control system (for high-speed gates)
- PVC material
- Structural components
- Installation workmanship

7. PROVISION FOR MODIFICATION

- Contractor shall include adjustment/modification of all openings (02 gates + 01 door)
- Includes resizing, alignment, and proper sealing to ensure performance

8. COMPLETION TIME

- 3–4 weeks (complete project including fabrication and installation)

9. KEY BENEFITS

- Significant reduction in HVAC cooling loss
- Fast operation minimizes air exchange
- Improved indoor temperature control
- Energy savings and operational efficiency
- Enhanced industrial workflow