

Office of Chief Mechanical Engineer
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E-mail: mech.div.kpt@gmail.com



No. CME/Mech.Division/2578/HVACSVDPDA/2026

Date : 01.01.2026

To,

'Expression of Interest'

Sub: Supply, Installation, Testing & Commissioning of Tower ACs and HVAC system at Sardar Vallabhbhai Patel Auditorium, Gopalpuri Gandhidham including Operation & CAMC for Six years at DPA.

Sir,

Deendayal Port Authority (DPA) intends to install Tower ACs and HVAC system at Sardar Vallabhbhai Patel Auditorium, Gopalpuri Gandhidham including Operation & CAMC for Six years at DPA.

Kindly submit your Expression of interest along with budgetary-offer for the subject work on the basis of the scope of work enclosed Schedule-B herewith. Expression of Interest should include profile of your firm, technical brochure for the said supply of equipment, and your comments/suggestions (if any) regarding the proposal etc.

The rates quoted must be inclusive of all costs including but not limited to spare parts, consumables, manpower, tools, tackles, etc. along with transportation and other auxiliary charges required for successful work completion of work excluding GST.

Your EOI with budgetary offers for the above work should reach to the Office of Asst. Engr. (M) Room no. 11, A.O. Building, Gandhidham and in advance through email mech.div.kpt@gmail.com on or before 07.01.2026.

Thanking you

Yours faithfully,

**-SD-
XEN (M)
Deendayal Port Authority**

SCOPE AND GENERAL TERMS & CONDITIONS

1. Scope of Work:

1.1 The Scope of work is complete supply, Installation, testing & commissioning of Tower ACs and HVAC system and thereafter Operation and CAMC for next six years.

- i. The scope of work is indicative only and not limited, further the contractor has to ensure the completeness of the entire HVAC system and Tower ACs in all respect to the satisfaction of the employer by following all the amendments, codes & standards, acts & rules, certifications, safety requirements.
- ii. All the Electrical & instrumentation works including but not limited to wiring & cabling, safe light fittings including wiring & switch gears, Electrical panels along with switch gears & safety gears required for the system during trials, operation and maintenance purposes. for successful installations & commissioning of the HVAC system and Tower ACs to the satisfaction of employer in compliance with the all the relevant standards and norms including statutory norms.
- iii. The firm is advised to inspect & survey the site for assessment and clear understanding for the requirements, DPA will not entertain any claims in the regard. Contractor shall design the Plant/Equipment/Services consideration the Climatic conditions prevailing at Sardar Vallabhbhai Patel Auditorium, Gopalpuri Gandhidham site.
- iv. The supply, Installation, testing & commissioning of Tower ACs and HVAC system shall be completed within time period of 30 days. Operation and CAMC of complete HVAC and Tower ACs system for a period of 06 (Six) years, after successful commissioning of all the facilities. Wherein, first year shall be for comprehensive operation with defect liability period of one year and from second year shall be complete O&CAMC.
- v. **Tower ACs**
 - Work is intended to cover the entire area, by supply, Installation, testing & commissioning of Tower ACs of total capacity of Min 100 TR (tolerance of 0 to 10 %). Tower ACs units needs installed at Hall (i.e. 25 nos. of 4 TR or above capacity)
 - Tower ACs shall be of 4 TR or above capacity, e.g. Tower AC shall be of 4 TR or above capacity, so total of 25 Nos. of Tower ACs shall be installed at designated places inside the Sardar Vallabhbhai Patel Auditorium, Gopalpuri.
 - Make of tower ACs shall be Daikin, Blue star, Godrej, Panasonic, LG, Carrier, Samsung, Mitsubishi, Hitachi, Voltas, Tata, having service centre at Gandhidham/Adipur area.
 - The compressors and refrigerant tubing shall be of copper and all electrical wirings shall be copper with FRLS type with necessary ISI marks.
- vi. **HVAC (Heating, Ventilation, and Air Conditioning) system including Design:**
 - a) Further, total Capacity of min 100 TR (tolerance of 0 to 10 %) AHU units at Sardar Vallabhbhai Patel Auditorium, Gopalpuri, Gandhidham. 100 TR AHU units shall be in four parts, i.e. two units of 30 TR and two units of 20 TR.
 - b) Make of HVACs shall be Daikin, Blue star, Godrej, Panasonic, LG, Carrier, Samsung, Mitsubishi, Hitachi, Voltas, Tata having service centre at Gandhidham/Adipur area.
 - c) The compressors and refrigerant tubing shall be of copper and all electrical wirings shall be copper with FRLS type with necessary ISI marks.

- d) HVAC shall be equipped with Automatic temp. controllers with remote operations from inside the hall. Monitoring and alarms shall also be displayed inside the hall with power off & on.
 - e) Copper pipes of required sizes, conduits, water drain and other outlet units shall be installed outside the hall with precise cutting of small core cutting of minimum required size, there shall not be any damage or civil work allowed inside the hall. No damage to the wall of hall or covering tiles during installation and commissioning, any damaged to the property of DPA shall be rectified by the contractor at their cost.
 - f) Ducting of Galvanized steel sheet (minimum thickness of 1.6 mm/16 gauge) for inlet and outlet ducting with proper insulation shall be fabricated as per site requirement from AHU units to space available at about 35-foot height for suction and discharge air lines. Ducting shall have followings:
 - 1) Fabricated rectangular Flange GI ducting, fabricated out of prime quality minimum of 1.6 mm GI sheets. Complete with necessary supports, expansion fasteners, scaffolding to hang the duct, proper sealant at joints to restrict any leakages of air and moisture/water etc. required for satisfactory installation and commissioning of AHUs.
 - 2) Internal coating of duct shall be thermally effective glass flake coating with 800 microns thick. Glass flake coatings are primarily designed to create an impermeable barrier against corrosive chemicals, moisture.
 - 3) Closed cell Nitrile Rubber foam, fire retardant class "O", with factory laminated tough minimum 60 microns thick aluminium foil on outer side of the duct. The tough 60-micron aluminium foil shall be durable protective layer, shielding the soft foam from tears, punctures, and other physical damage during installation and throughout its service life.
 - 4) All type of civil work if any required to complete the work shall be in the scope of contractor. The work shall be executed to the satisfaction of the Engineer-in-charge. Supply & installation of all the required accessories for Tower ACs and AHU units shall be in the scope of the contractor. The contractor shall arrange spare parts, consumables and all types of tools, tackles, scaffoldings at his own cost for installation, testing & commissioning of the work. The contractor shall maintain the Tower ACs and AHU units properly as directed by Engineer-in-Charge.
- 1.2 Power source is available near to the Electrical substation at about 100 Metres and contractor has to tap the power from this location for all the AHUs and Tower ACs, necessary cable with cabling arrangements (armoured with Aluminium or Copper wire) with switchboard power distribution panes with all required items shall be in the scope of contractor. Wherever required underground cabling shall be provided by the contractor as per instruction of EIC. Minimum one no. of MCCB of suitable capacity shall be installed for each Tower ACs, if not fitted on the tower AC itself and two nos. of equal capacity for each AHUs units one inside hall & other on the machine. All the required Electrical items including but not limited to wires & wiring including fittings, switchgears, plugs & sockets, Supply and Installation of earthing system up to starter panel, power distribution panel with safety & protection gears shall be in the scope of the contractor.
- 1.3 Further, contractor has to visit the site for complete understanding of the scope of work and actual quantification of the proposed job and quantum of the work.
- 1.4 No damage or modification shall be allowed from inside the hall, only core cutting for pipelines & wires if extremely required with smaller sizes may be allowed. Same shall also be filled & repaired for closing of the cutting holes.

2. Comprehensive Operation & Maintenance of the complete systems:

- 2.1 The contractor shall provide at one year of Operation of all the tower ACs and HVAC system during the minimum one year of warranty period. Any parts or consumables shall be in the scope of contractor for this one-year period including but not limited to repair, maintenance, spares, refrigerants, tubing, pipes, cables, ducts, controllers, etc.
- 2.2 Further, the contractor shall provide five years of Operation and CAMC for all the tower ACs and HVAC system. Therefore, in total six years of Operation and CAMC for all the tower ACs and HVAC system.
- 2.3 The maintenance schedule shall be carried out as per the schedule & checklist of the OEM of the System. The Operation & Comprehensive Annual Maintenance service covers preventive & breakdown maintenance including required manpower, Spares, Critical spare, Consumables (i.e. filters, refrigerants, cleaning chemicals, and certain lubricants used during maintenance etc.) tools & tackles, equipments shall be in the scope of contractor for the entire period of six years of O&CAMC.
- 2.4 A logbook is to be maintained for keeping record of parts taken out / returned back for record purpose.
- 2.5 The contractor shall ensure that the reported fault/support request is attended to promptly and in any case within 4 hours from the reporting time and rectification thereof immediately. If the tower ACs is not repaired within the above period, standby equipment shall be provided.
- 2.6 System shall be operational for the entire period of contract, total of 12 days shall be permissible downtime days in any year. For major breakdown and major maintenance annually 06 days' additional permissible downtime shall be allowed to the contractor. i.e. total of 18 days of maintenance shall be permissible and shall be paid days allowed by DPA.
- 2.7 For any routine maintenance, contractor shall intimate DPA well in advance, without prior intimation non-working of any AC or HVAC shall be treated as non-operational and shall attract the penalties as per condition.
- 2.8 Any defective parts/items shall be make good by the contractor with cost for the entire period of contract.
- 2.9 For the operational purpose minimum of one AC operator and one helper for all days (365 days) from 08:00 to 22:00 hrs and for special official function timing shall be as per requirement of DPA.

3. Payment Terms:

- a) Part-A of Schedule B, after successful supply, Installation, testing and commissioning 95% payment shall be released after verification & certification by TPIA of DPA. Balance 5 % shall be released after successful completion of defect liability period of minimum one year.
- b) Part-B of Schedule B, Monthly payment shall be released after submission of bills by the contractor duly verified &certified by TPIA of DPA.

4. Penalty:

- a) Shortage in availability will attract penalty, i.e. penalty for each non-operational day 1.5 times of daily cost of the Operation & CAMC cost, for the entire period of six years for normal days. Downtime on the date of official occasions of DPA shall attract penalty @ 2 times of daily cost of Operation and CAMC cost.
- b) Shortfall in manpower during completer period of O&CAMC after successful commissioning shall attract penalty of Rs. 2000/- for each shift per person.

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**Sd/-
XEN (M)
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SCHEDULE – B

Sub: Supply, Installation, Testing & Commissioning of Tower ACs and HVAC system at Sardar Vallabhbhai Patel Auditorium, Gopalpuri Gandhidham including Operation & CAMC for Six years at DPA.

Sr. No.	Item Description	Unit	Quantity	Unit Rate (Rs.)	Total Cost (Rs.)
Part: A					
1	Design, Supply, Installation, testing and Commissioning of HVAC system, total Capacity of 100 Ton (tolerance of 0 to 10 %) in four parts two of 30 TR capacity and two of 20 TR capacity as per Scope of Work.	LUMPSUM TURNKEY (LSTK)	1 set		
2	Supply, Installation, testing and Commissioning of Tower ACs, total 100 TR (tolerance of 0 to 10 %) capacity in combination of 4 TR or above capacity Tower AC as per Scope of Work.	LUMPSUM TURNKEY (LSTK)	1 set		
3	All Electrical & Instrumentation works required for successful commissioning of HVAC & Tower ACs as per Scope of work.	LUMPSUM TURNKEY (LSTK)	1 set		
Total (Part-A)= Excluding of GST					

Part -B

Sir No.	System Component	Unit	Quantity	Unit Rate (Rs.)	Total Cost (Rs.)
1	Operation and Compressive AMC (including cost of materials for one year of defect liability period) for 1 st Year	Monthly	12		
2	Operation and Compressive AMC for 2 nd Year	Monthly	12		
3	Operation and Compressive AMC for 3 rd Year	Monthly	12		
4	Operation and Compressive AMC for 4 th year	Monthly	12		
5	Operation and Compressive AMC for 5 th year	Monthly	12		
6	Operation and Compressive AMC for 6 th year	Monthly	12		
Total (Part-B)= Excluding of GST					

Total (Part A + Part B) in words _____ Excluding of GST

Note:

1. This Expression of Interest is only for the purpose of budget estimation for the work.
2. Contractor has to visit the site for complete understanding of the scope of work and actual quantification of the proposed job and quantum of the work.
3. Make of tower ACs and HVACs shall be Daikin, Blue star, Godrej, Panasonic, LG, Carrier, Samsung, Mitsubishi, Hitachi, Voltas, Tata having service centre at Gandhidham/Adipur area.

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