Response to Tenderers Queries

ROOF PLANT HEAT EXTRACTION – VENTILATION SYSTEM FOR THE ROOF OF CDR's BUILDING

The following represents the clarifications requested and the actions.

Query1: Request for a formal extension of time for submission to ensure adequate opportunity for technical and accurate pricing.

Reply1: **The last day for bid submission is extended till 18 November 2026.**

Query2: Please advise if a control panel is needed for the four existing fresh air fans

Reply2: No additional control panel is required for the four existing fresh air fans. Control shall be through the fire alarm system via the associated control modules

Query3: Low-voltage cables — Electrical BOQ, Part 4, Section 2 and Item 2.1.1: The section heading mentions acceptable cable insulation types as Cu/PVC/PVC, Cu/XLPE/PVC or Cu/XLPE/LSZH. However, item 2.1.1 specifically lists Cu/XLPE/PVC. Please clarify whether Cu/PVC/PVC cables are acceptable alternatives for item 2.1.1 or if Cu/XLPE/PVC is strictly required.

Reply3: Cu/XLPE/PVC cables are required under Item 2.1.1. Cu/PVC/PVC cables are not accepted as an alternative for this item.

Query4: Cable routing and supports — Electrical BOQ, Part 4, Item 2.1 states that unit rates for cables shall include cable pulling, routing, supports, conduits and cable trays where required. Please clarify whether existing containment systems (cable tray) on site can be utilized for routing, or if contractors must allow for entirely new containment/ routing infrastructure.

Reply4: Existing cable trays may be reused provided they are in good condition and have sufficient spare capacity for the additional cables. Where these conditions are not met, the contractor shall provide new containment and supports as required, included in the cable unit rates under Item 2.1. The local conduit arrangement at the fans shall be priced as clarified below.

Query5: Disconnect switch cables — Electrical BOQ, Part 4, Section 3.1 and Item 3.1.1: Please confirm whether cables feeding the 16A TPN IP65 isolating switches should be priced under item 3.1.1 or measured separately under the cable feeder items (item 2.1.1.1)

Reply5: Cables feeding the 16A TPN IP65 isolating switches shall be measured and priced separately under Item 2.1.1.1. They shall not be included in the isolating switch unit rate under Item 3.1.1

Query6: Conduit type — Electrical Specifications, Section 2, and Drawing E-001: ask for galvanized steel conduit on the vertical support connecting the Disconnected Switch to the horizontal cable tray, this specific detail drawing appears to be intended for a pump installation. Please clarify whether rigid heavy-duty PVC conduit is acceptable for the scope (involving exhaust fans installation)

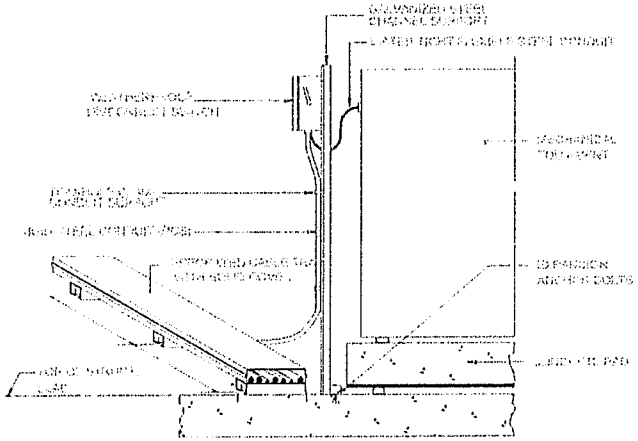
Reply6: Rigid heavy-duty PVC conduit is not accepted for this installation. Refer to the updated detail, E-001 which shows rigid metal conduit from the cable tray on the inclined roof to the disconnecting switch, and flexible metal conduit from the switch to the exhaust fan. No separate galvanized steel vertical support is required under this detail

Query7: you are kindly requested to provide a soft copy of the drawings

Reply7: Soft copy in pdf format are available on CDR page. Dwg format will be provided at a later stage

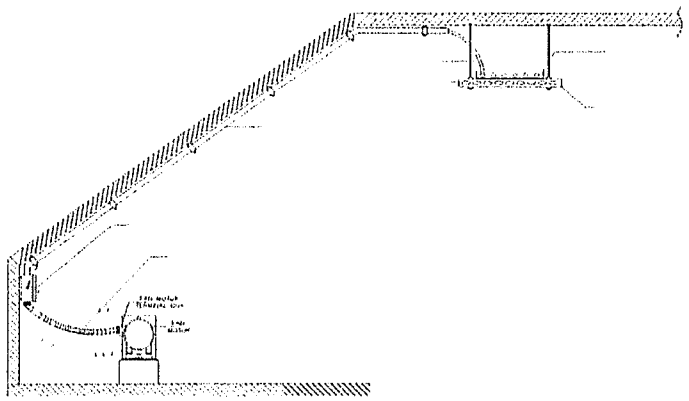
Query8: Vertical supports for exhaust fans — Drawing E-001 and Mechanical BOQ, Part 3, Item 2.1.2: Please confirm whether the supply and installation of these vertical supports for all eleven exhaust fans should be included in the disconnect switch price item rate.

Reply8: Refer to the updated attached electrical installation detail E-001 Titled "DETAIL OF CABLE INSTALLATION FROM CABLE TRAY TO DISCONNECTING SWITCH OF FAN". The separate galvanized steel vertical supports shown in the previous detail are no longer required. The local conduit installation from the cable tray to the isolating switch and from the switch to the fan, including the necessary fittings and fixings, shall be included in the respective isolating switch unit rate.

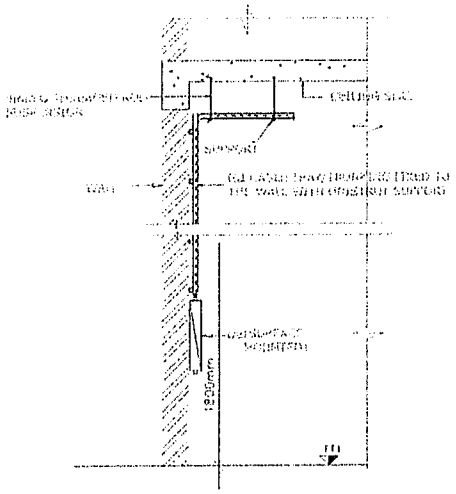


ELECTRICAL SUPPLY TO ROOF MOUNTED

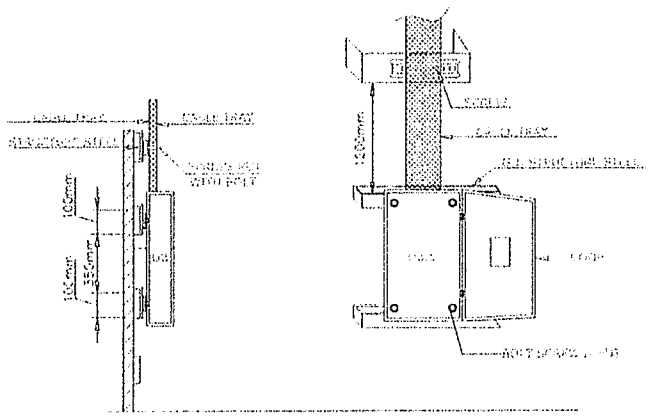
MECHANICAL EQUIPMENT(CABLE TRAY SYSTEM)



DETAIL OF CABLE INSTALLATION FROM CABLE TRAY TO
DISCONNECTING SWITCH OF FAN



TYPICAL DB INSTALLATION AND CABLE ENTRY
FROM TOP/BOTTOM TO SURFACE MOUNTED DB



SMDB'S & DB'S & ISOLATOR INSTALLATION

CONCEPT DESIGN

A.CHEHAB

E-001 | 02