



27.10.2025

Name of Work: Supply and Installation of Electrical & Instrumentation works for Construction of Phosphoric Acid Storage Tanks at Q10 berth, Willingdon Island.

E-Tender ID No: 2025\_FACT\_878899\_1

## **Corrigendum(Technical)**

CLARIFICATIONS ON PRE-BID QUERIES RAISED BY BIDDERS ARE ATTACHED.

ALL OTHER TERMS AND CONDITIONS SHALL REMAIN UNCHANGED.

Amrutha Terence  
Officer(Des)Mat-C

**Name of Work: Supply and Installation of Electrical & Instrumentation works for Construction of Phosphoric Acid Storage Tanks at Q10 berth, Willingdon Island.**

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**Queries raised by bidders**

| SL NO | QUERY DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                          | CLARIFICATION TO QUERY                                   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 1     | In the datasheet for the pushbutton station, CTs are mentioned for all types of pushbutton stations. However, for the second type of pushbutton station, the ammeter is mentioned as "Not Required." Kindly confirm whether CTs are still required to be supplied for the Type-2 pushbutton station.                                                                                                                                       | CT's are not required for the Type-2 pushbutton station. |
| 2     | Kindly provide additional information on the following items:<br><br>2.1 Item No. 2 – Details of Lighting DB, circuits, and lights.<br>2.2 Item No. 5 – Details of Earthing and lightning protection.<br>2.3 Item No. 6 – Quantity details of cable trays.<br>2.4 Item No. 7 – Quantity details of excavation work.<br>2.5 Item No. 8 – Quantity details of miscellaneous items.<br>2.6 Item No. 18 – Quantity details of FRP cable trays. | Attached                                                 |
| 3     | <b><u>Item No.1</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |
| 3.1   | Does the unit mentioned as LS indicate a single quantity or the total quantity?                                                                                                                                                                                                                                                                                                                                                            | Single Quantity                                          |
| 3.2   | Kindly specify whether the cable entry is from the top or the bottom.                                                                                                                                                                                                                                                                                                                                                                      | The cable entry is from the top.                         |
| 3.3   | Is it a single panel or an extended panel?                                                                                                                                                                                                                                                                                                                                                                                                 | Single Panel                                             |
| 4     | <b><u>Item No.2</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |
| 4.1   | Does the unit mentioned as LS indicate a single quantity or the total quantity?                                                                                                                                                                                                                                                                                                                                                            | Single Quantity                                          |
| 4.2   | Lighting DB — is it vertical or horizontal, and IP43 or IP52?                                                                                                                                                                                                                                                                                                                                                                              | Horizontal DB with IP 52                                 |

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|     |                                                                                                                    |                                                                                 |
|-----|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 4.3 | What are the Incomer details ?                                                                                     | Refer Cl.6 of 32644-13-DA90601                                                  |
| 4.4 | What are the outgoing details ?                                                                                    | Minimum 6Nos required                                                           |
| 4.5 | What are the Circuit wire details ?                                                                                | 3Cx4Sq.mm Copper wire shall be used for circuit wiring                          |
| 4.6 | What are the Point wiring details ?                                                                                | 3Cx2.5C armoured copper wire shall be used for wiring of lights                 |
| 4.7 | Welding socket details - wattage, phase, type (industrial or other), and whether it is flameproof or weatherproof. | 32A Weatherproof with cast Al. Enclosure                                        |
| 4.8 | Light details - tubelight, flood light, street light, or downlight (weatherproof or flameproof), and wattage.      | 45W LED, weather proof type well glass lighting fixtures<br>120W LED Floodlight |
| 5   | <b><u>Item No.3</u></b>                                                                                            |                                                                                 |
| 5.1 | Does the unit mentioned as LS indicate a single quantity or the total quantity?                                    | Total Quantity Refer 32644-13-DA-90601.(5 Nos)                                  |
| 6   | <b><u>Item No.4</u></b>                                                                                            |                                                                                 |
| 6.1 | Does the unit mentioned as LS indicate a single quantity or the total quantity?                                    | Total Quantity.                                                                 |
| 6.2 | Kindly confirm whether the cable details mentioned in the TPS are accurate.                                        | Sizing is accurate but length need to be verified from site.                    |
| 6.3 | Please specify the gland details - weatherproof or flameproof, and whether it is single or double compression.     | Flameproof Double Compression Ni plated Brass cable glands                      |
| 6.4 | Kindly clarify the cable mentioned in TPS as 10 Cx 2.5 sqmm — whether it is aluminium or copper.                   | Copper Cable. Refer 32644-13-DA-906-01                                          |
| 7   | <b><u>Item No.5</u></b>                                                                                            |                                                                                 |
| 7.1 | Please specify total no. of earth station                                                                          | 6 Nos(Indicative)                                                               |
| 7.2 | Type of earthing — plate or pipe, and size of the earth plate/pipe.                                                | 17.2mm Copper Bonded Electrode                                                  |

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|     |                                                                                 |                                                                                                                 |
|-----|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 7.3 | Kindly specify the type of strip or wire being used.                            | Strip/ wire can be used as per the requirements. Sizes shall be as per IS                                       |
| 7.4 | Total length of the strip/wire required.                                        | Total Length to be taken from site.                                                                             |
| 7.5 | Kindly specify the number of lightning protection points.                       | As per IEC 62305                                                                                                |
| 7.6 | Lightning earth — strip size, length, and material (aluminium or copper).       | Aluminium to be considered                                                                                      |
| 8   | <b><u>Item No.6</u></b>                                                         |                                                                                                                 |
| 8.1 | Does the unit mentioned as LS indicate a single quantity or the total quantity? | Total Quantity. Refer Slno:2.3                                                                                  |
| 8.2 | Kindly specify the length of the FRP/GRP cable tray.                            | To be verified from site.                                                                                       |
| 8.3 | Kindly specify the size of the FRP/GRP cable tray.                              | 450mm&150mm                                                                                                     |
| 8.4 | Kindly provide the details of the structural items.                             | Envisaged for the installation of cable tray, DB, LPBS, Welding sockets etc as required                         |
| 9   | <b><u>Item No.7</u></b>                                                         |                                                                                                                 |
| 9.1 | Length and size of excavation required                                          | To be verified from site.                                                                                       |
| 9.2 | Length and size of the GI pipe.                                                 | To be verified from site.                                                                                       |
| 9.3 | Length and size of the Hume pipe.                                               | 300mm Hume pipe<br>Length to be verified from site.                                                             |
| 9.4 | Length and Size of insulation mat                                               | 1.1 kV grade insulation mat as per IS 15652:2006 of thickness not less than 2.5mm and 1000 mm wide<br>Length-5M |
| 9.5 | Quantity and Size of danger board                                               | 3 Nos Standard type                                                                                             |
| 9.6 | Quantity and Size of reusication chart                                          | 1 No                                                                                                            |

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|      |                                                                                 |                                                               |
|------|---------------------------------------------------------------------------------|---------------------------------------------------------------|
| 9.7  | Number of testing motors and type of test                                       | Tests required for commissioning of 5 Nos of motors           |
| 9.8  | Cable route marker - size and quantity                                          | 100mmx100mmx5mm CI plate with inscription thereon.<br>5 Nos   |
| 9.9  | Cutting of roads — concrete details                                             | To be verified from site.                                     |
| 10   | <b><u>Item No.15</u></b>                                                        |                                                               |
| 10.1 | Does the unit mentioned as LS indicate a single quantity or the total quantity? | 1 No JB with accessories                                      |
| 10.2 | Size of the junction box.                                                       | Refer 32644-14-DA-00004 of TPS no.32644-14-TS-001 for details |
| 11   | <b><u>Item No.18</u></b>                                                        |                                                               |
| 11.1 | Size of the cable tray.                                                         | Refer Sl no:2.6                                               |

Note: The above quantity is indicative only. Before ordering , successful bidder shall verify actual quantity from site.

With Reference to Letter No: LTS/E632/01/2025-26 dated 09/10/2025

**Reply to Query – Supply and Installation of Electrical & Instrumentation Works for  
Construction of Phosphoric Acid Storage Tanks at Q10 Berth, Willingdon Island Tender No:04026/2025-2026/E32204**

| Sl No | Query                                                      | Item                                                                | Quantity |       |
|-------|------------------------------------------------------------|---------------------------------------------------------------------|----------|-------|
| 2.1   | Item No. 2 – Details of Lighting DB, circuits, and lights. | LDB                                                                 | 1        | Nos   |
|       |                                                            | 45W LED Flameproof, weather proof type well glass lighting fixtures | 31       | Nos   |
|       |                                                            | 120W LED Floodlight                                                 | 9        | Nos   |
| 2.2   | Item No. 5 – Details of Earthing and Lightning protection. | Copper Bonded Type Earth Pits                                       | 6        | Nos   |
|       |                                                            | 1CX150,1CX120,1CX16 sqmm Al Cable                                   | 400      | metre |
| 2.3   | Item No. 6 – Quantity details of Cable trays.              | 450 mm wide GRP Cable tray                                          | 150      | metre |
|       |                                                            | 150 mm wide GRP Cable Tray                                          | 400      | metre |
| 2.4   | Item No. 7 – Quantity details of excavation work.          | Details to be taken from Site.                                      |          |       |
| 2.5   | Item No. 8 – Quantity details of miscellaneous items.      | Danger Notice plates                                                | 3        | Nos   |
|       |                                                            | 4.5Kg CO2 fire extinguishers                                        | 1        | Nos   |
|       |                                                            | Resuscitation charts with glass covers                              | 1        | Nos   |
|       |                                                            | Stand with round bottom bucket                                      | 4        | Nos   |
|       |                                                            | 1.1 kV grade insulation mat                                         | 5        | Nos   |
|       |                                                            | Cable route marker                                                  | 5        | Nos   |
| 2.6   | Item No. 18– Quantity details of FRP cable trays.          | 100mm Tray                                                          | 150      | metre |
|       |                                                            | 50mm tray                                                           | 150      | metre |

**Note:**The above quantity is indicative only.Before ordering ,successful bidder shall verify actual quantity from site.