



A Joint Venture of Andhra Pradesh Gas Distribution Corporation Ltd. and
Hindustan Petroleum Corporation Ltd

REPLIES TO BIDDERS QUERIES

Date: 06.12.2024

Tender Document No: GGPL/C&P/SR 1000004/2024-25/04 dated 25.11.2024

**Subject: Tender for Supply and Installation of Gas Detectors at DRS and DCU in East
& West Godavari Districts.**

The following modifications to the subject tender is hereby authorized

S. No.	Description	Page No. / Clause No.	Amendment/Addition/Modification
1	REPLIES TO BIDDERS QUERIES	-	As per Annexure-I of this document

All other terms and conditions of tender document remain unchanged

Authorized Signatory

REPLIES TO THE QUERIES

Technical Specifications for Supply, Installation, Testing and Commissioning of FLP Gas Detectors (CH4) System at DRS / DCU/MRS in CGD GA : East & West Godavari Districts				
Sl. No.	REQUIRED TECHNICAL SPECIFICATION		BIDDER'S QUERIES	GGPL'S REPLY
A	FLP Gas Detector			
1	Accuracy	± 5% LEL through –out the range.	Industrial accuracy requirement is +/- 2% LEL over the entire range	± 5% LEL is required. Same is following our parent company GAIL.
2	Response Time	Less than 30 seconds or possible minimum	Response time is not clear whether it is T90 or T50. Industrial specs is typically less than 6 seconds	6 sec also acceptable
3	Display	128x64 pixel LED/LCD Graphic or possible size	LCD display (Built-in back light 2-Line, 16 characters) is our standard. Hope this is acceptable	Acceptable
4	Alarms	2 settable alarms, sensor fault, open, over etc.	2A@30VDC, 0.5A@125VAC (resistive load) / 3-SPST relay contact (2stage alarm, 1 trouble) is our standard. Hope this is acceptable	Acceptable

5	Status Indication	LED indication or Local Display. Separate indication for No gas leak, Low alarm, High alarm, optics failure and calibration in progress shall be available.	4-LED (Power, 2-stage alarm, 1-trouble) is our standard. Hope this is acceptable	Acceptable
6	Contact Rating	0.5 to 20A, 09 TO 24 vdc (Switch Mode Power Supply (SMPS) is in contractor scope to convert from the available AC supply to DC for 24V DC supply)	2A@30VDC, 0.5A@125VAC (resistive load) / 3-SPST relay contact (2stage alarm, 1 trouble) is our standard. Hope this is acceptable	Only Single Phase 230V supply is available at few stations, hence SMPS is mandatory to convert AC to DC supply.
7	Hazardous Area Certification	PESO / ATEX	SIL2 by Accredited third party agencies	PESO/ ATEX certification is required
8	Documentation	Quoted Make, model of gas detector/modem etc. shall be supplied along with material	No modem required as it is wired detector	Acceptable
9	Cable requirement from SMPS to Detector	Required Power Cables are in vendor's scope.	Distance between SMPS to Detector required. Also since you have asked for control panel SMPS shall be provided in control panel to power detector	Cable providing and laying is in GGPL scope.
B	REQUIRED TECHNICAL SPECIFICATIONS OF CONTROL PANEL			
1	Output	Transmitter signal for alarm and fault	What kind of output is required and where it shall be connected	Alarm and fault signal
2	Display	128x64 mm/possible size LED/LCD/GLAD, sensorfault alarm fault etc.	This shall be as per manufacturer standard	Acceptable

3	FLP Hooter	It will be provided with flashlight with sound for recognizing the alarm.	This is part of detector and not control panel. Please confirm	Yes, Part of detector
Note:				
<p>1. All installation Materials like stand, canopy (if required), clamp, wire etc. to be provided by the vendor at the time of installation of Gas Detector.</p> <p>2. Switch Mode Power Supply (SMPS) device/ AC to DC converter for 24V supply is in contractor scope.</p> <p>3. Control Panel installation is optional. Because one Gas Detector shall install at one location, So as to 15 detectors are to be installed at various locations Towns/ cities in East & West Godavari Districts.</p>		Distance between control panel and detector required		<p>Cable providing and laying is in GGPL scope.</p> <p>SMPS shall be covered with FLP JB and all fittings are FLP.</p> <p>Hooter acknowledges push button shall be provided with FLP JB.</p>

Sl. No.	SUBJECT	BIDDER'S QUERIES	GGPL'S REPLY
1	Required Power Cables are in vendor's scope	Kindly provide the tentative quantities for the following items: Cables, trays, Cable trenches (if required)	Cable Laying and cable providing is in GGPL scope
2	Control Panel installation is optional. Because one Gas Detector shall install at one location, So as to 15 detectors are to be installed at various locations Towns/ cities in East & West Godavari Districts	We can consider the SMPS, Hooter with acknowledge push button for achieving the tender terms and condition.	SMPS shall be covered by FLP JB and all are FLP fittings. The Hooter acknowledges push button shall be available in FLP JB. Hooter to JB between distance is around 1 or 2 Mtrs.
3	Audio-Visual resettable for LEL detection or Sensor Fault	Not available in our product , only LED indication and live reading Display is available for alarm 1&2 in our product (Gas detector)	Pilot lamp with buzzer is mandatory along with resettable option.
4	Note: The UPS power supply is available at 4 CNG Mother stations. However, UPS power supply is not available for remaining 11 stations, hence SMPS shall be provided for remaining 11 stations, whereas SMPS shall be covered by FLP JB and all are must be FLP fittings.		
5	As per Section – V, Scope of Supply, Required Technical Specification	As per Technical Specifications Sr. No. A.23, how much Cable do you Required from SMPS to the Gas Detector? Please specify the length for Cable & Cable Laying	Cable laying is in GGPL scope as well as cable shall be provided by GGPL
6		Do you required FLP Hooter Cum Flasher attach with Gas Detector? Or Separately to be wall mounted? If separately mounted then how much cable will be required for connection?	FLP hooter cum Flasher to be installed on wall separately for this cable shall be provided by GGPL