



तेजपुरविश्वविद्यालय/ TEZPUR UNIVERSITY

(केंद्रीयविश्वविद्यालय/A Central University)

कुलसचिवकाकार्यालय/OFFICE OF THE REGISTRAR

तेजपुर-784028 :: असम/ TEZPUR-784028 :: ASSAM

CORRIGENDUM NOTICE

(ET-NIQ-.....318..... DT- 27-05-2020)

The Technical Specifications (TechSheet) mentioned/uploaded alongwith NIQ No. ET-NIQ-248; DT-18.05.2020 (Tender ID: 2020_TEZU_559988_1) has been replaced with a Revised Technical Specification (TechSheet).

The other contents of the NIQ remain unaltered.

*Opmt w
27/05/xx*

Assistant Registrar (GA)

Tezpur University

Memo No: TU/11-24/Pur/Qtn(ET)/2020-21/ 318

Dated:- 27-05-2020.

Copy Information to:

1. Webmaster, Tezpur University for uploading the notice in the website.
2. Dr. Tapan Kumar Gogoi, Department of Mechanical Engineering, Tezpur University
3. File

*Opmt w
27/05/xx*

Assistant Registrar (GA)

Technical Specification cum compliance Report
(To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Name of the Item	Specifications	Complied (Yes/No)	Remarks, If any;
<p>Six Sensors Flue gas analyzer with interfacing software and compatible six sensors ((Minimum probe length is 500 mm and maximum is 700 mm with minimum operating temperature minimum is 250 °C maximum operating temperature is 1000 °C</p>	<p>Analyze up to O₂, CO, NO, NO₂, CO₂, SO₂, with all compatible sensors / H₂S and CH₄(optional/additional). Graphic display with built in programme, Peltier cool gas preparation system, and special hose for error free SO_x and NO_x measurement. In addition for all six gases, appropriate sensors, interfacing window based computer software and calibration must be provided. Minimum 02 years onsite warranty.</p> <p>The detail technical specifications is mentioned in Annexure-I below.</p>		

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Detail technical specifications of Flue Gas Analyser

Name of the Item	Specifications	Complied (Yes/No)	Remarks, If any;
<p>Six Sensors Flue gas analyzer with interfacing software and with compatible minimum six sensors (Minimum probe length is 500 mm and maximum is 700 mm with minimum operating temperature minimum is 250 °C maximum operating temperature is 1000 °C)</p>	<p>1. Flue Gas O₂: Measuring range :0 to +25 Vol. % Accuracy: ±0.8% of fsv (0 to +25 Vol.%) Resolution: 0.01 Vol. % (0 to +25 Vol.%) Reaction time t :20 s (t95)</p> <p>2. Flue Gas CO(with H₂ – compensation) Measuring range : 0 to +10000 ppm Accuracy : ±5 % of mv (+200 to +2000 ppm) ±10 % of mv (+2001 to +10000 ppm) ±10 ppm (0 to +199 ppm) Resolution: 1 ppm (0 to +10000 ppm) Reaction time t : 40 s Reaction time t ; 30 s</p> <p>3. Flue gas NO Measuring range : 0 to +4000 ppm Accuracy : ±5 % of mv (+100 to +1999 ppm) ±10 % of mv (+2000 to +4000 ppm) ±5 ppm (0 to +99 ppm) Resolution : 1 ppm (0 to +4000 ppm) Reaction time t : 30 s</p> <p>4. Flue gas NO₂ Measuring range : 0 to +500 ppm Accuracy : ±5 % of mv (+100 to +500 ppm) ±5 ppm (0 to +99.9 ppm) Resolution : 0.1 ppm (0 to +500 ppm) Reaction time t : 40 s</p> <p>5. Flue gas SO₂ Measuring range : 0 to +5000 ppm Accuracy : ±5 % of mv (+100 to +2000 ppm) ±10 % of mv (+2001 to +5000 ppm) ±5 ppm (0 to +99 ppm) Resolution : 1 ppm (0 to +5000 ppm) Reaction time t: 30 s</p> <p>6. Flue gas CO₂ (NDIR) Measuring range: 0-50% (volume) Accuracy: ±0.3 Vol. % + 1 % of mv (0 to 25 Vol.%) ±0.5 Vol. % + 1.5 % of mv (>25 to 50 Vol.%) Resolution: 0.01 Vol. % (0 to 25 Vol.%) 0.1 Vol. % (> 25 Vol.%) Reaction time: 10s</p> <p>7. Methane (CH₄) Measuring range : 100 to 40000 ppm Accuracy : < 400 ppm (100 to 4000 ppm) < 10 % of mv (> 4000 ppm) Resolution : 10 ppm/100 ppm Min. O₂ requirement in flue gas : 2 % + (2 x mV methane) Reaction time t : < 40 s Response factor : 1</p> <p>8. Flue gas H₂S Measuring range : 0 to +300 ppm Accuracy : ±5 % of mv (+40 to +300 ppm) ±2 ppm (0 to +39.9 ppm) Resolution: 0.1 ppm (0 to +300 ppm) Reaction time t: 35 s</p>		

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