RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS

DATE: 13th July 2021

Corrigendum 3

Tender No: RGIPT/JAIS/CRF/E-OPN/LAB/2020-21/04 (GC-FID-TCD-DHA)

Please refer to the above e-tender no. RGIPT/JAIS/CRF/E-OPN/LAB/2020-21/04 on rgipt.euniwizarde.com portal & institution website. The technical specification and dates of the bidding process for GC-FID-TCD-DHA is revised as follows;

- The revised technical specification of the above equipment is uploaded in the web-site.
- The revised date for the last date of submission of e-tender is 27th July 2021, 4 PM.
- The date of opening of technical bid is 27th July 2021, 5 PM.

Other terms and conditions remain unchanged.

Note: Please see www.rgipt.ac.in for more information in the bid.

U. Oiha

Chairman, CRF Purchase Committee

Technical Specifications	Bidders Specification	Compliance	Deviation
GC-FID-TCD-DHA			10-2
Fully automatic microprocessor based Gas	o - Andrew		TOTAL DESCRIPTION
Chromatography system with Auto Injector/Auto			
Sampler for Analysis by using FID and analysis of			
gaseous sample – CH_4 , CO , CO_2 , N_2 , H_2 and O_2 in a			
gaseous mixture by using TCD. The system should			
have automatic/Electronic gas control system			
and can be controlled from chromatography			
management software. User friendly operation to			
manage the work from touch screen display. The			
system should have capability to install three or			
more numbers of Injectors and Detectors. Auto			
Diagnostics: Checks, corrects, operations and			
status of GC control, RAM, ROM, CPU Sensor,			
Keyboard and live Auto Diagnosis while Starting and while Running			
Column Oven		1	
Column Oven Size should be 10 ltrs or more			
Operating Temperature range – Ambient +5 °C to			
450 °C or better		=	186
Temperature Set Point Resolution: 1 °C			
Number of Ramps/Plateaus: 7/8 or more			
Maximum Heating Rate: 100 °C/min or more			
Oven Cool-Down (22 °C ambient): 400 °C to 50 °C			1000
in < 4 min		L VE L	() ()
The system should be upgradable with cryogenic	220 - 19	2730	- 3
system			
Performance Specifications		1000	
Typical Retention Time Repeatability: 0.008 min	* XI V		- 30.000
or better			11 4770)
Typical Peak Area Repeatability: <2% RSD or			
better			
Automatic / Electronic Pressure Control			
Up to 10 channels or more of integrated			
electronic gas control			
Pressure Set Points Minimum Increments: 0.1 psi			
in all ranges			
Should be quoted Auxiliary electronic gas control			
for backflush - Qty 1			
Auto Injector /Auto Sampler (Optional Item)			
Minimum vial capacity 8 or more with pre & post wash facility	12		#10 c-1
Should be quoted 2ml vial – Qty 500	9		8
Carrier Gas Control for Capillary Column Injector			Alt II
Pressure Range: 0-100 psi or more			

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 Automatic heated 6 port column switching valve – Qty 1 	
 Automatic heated 10 port inject & backflush valve – Qty 1 	
 Additional separate valve oven to keep all gas sampling valves - Qty 1 	
 1ml loop with fittings – Qty 1 	
 Installation/Startup Kit – Qty 1 	
 1ml Gas tight syringe – Qty 1 	
 AGSV line filter with fittings – Qty 1 sets 	
Software	
Suitable Chromatography Management Software 32/64 bit windows 2000 / XP based	
chromatography integration software with PC,	
Printer to manage the entire work from software.	
Hydrocarbons analysis	
Suitable software for DHA	
Consumables & Spares	
All necessary consumables & spares like all Gases	
with regulators, Tubing, liners, Nut, syringe, &	6 85
ferrule to install the equipment.	
UHP grade Helium filled cylinder with double	
stage SS regulator - Qty 1	
UHP grade Hydrogen filled cylinder with double	
stage SS regulator – Qty 1	
UHP grade Zero Air filled cylinder with double	
stage SS regulator – Qty 1	
5KVA online UPS, 230VAC, 50Hz Single Phase I/P	
& O/P, 30min backup – Qty 1	
Startup/Installation Kit - Qty1	
Gas purification panel for Helium, Hydrogen &	
Zero Air – Qty 1set	
Calibration Standard	
DHA Calibration Standard upto C100- Qty 1	
Calibration Standard mixture for H ₂ , O ₂ , N ₂ , CO,	
CO2 & CH4 in balance Helium 0.5 ltrs WC- Qty 2	
Warranty Standard warrants above to	
Standard warranty - three year	

All the items/accessories shall be factory fitted and shall be able to operate with minimal manual intervention

On leave A. K. Choubey

M. S. Balathanigaimani

Ham? D. Panda

S. Biswas

J. Oiha

S. Arora