

Government of Kerala
Agricultural Development & Farmers' Welfare Department
State Pesticide Testing Laboratory
Parottukonam, Thiruvananthapuram – 695015
Phone: 0471 - 2530867,
Email: ddaptl.agri@gmail.com

No. PT(2)155/2016

Dated: 09-12-2016

Notice inviting e-tender for the Procurement of
PC Based Gas Liquid Chromatograph (GLC) with FID Detector

e-Tenders in two cover system are invited from competent dealers for the Procurement of PC Based Gas Liquid Chromatograph (GLC) with FID Detector under the scheme **Modernization of Departmental Laboratories 2016-17** to State Pesticide Testing Laboratory, Parottukonam, Nalanchira P.O Trivandrum Kerala Pin 695015 of the Agricultural Development & Farmers' Welfare Department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>.

Tender id

Tender No. with PAC

: 2016_AGRI_93176_1

: PT(2)155/2016/e-tender-2/GLC/16-17/SN
Rs.14.00 Lakhs

Document sale start date

: 14/12/2016

Document sale end date

: 04/01/2017

Bid Submission start date

: 14/12/2016

Last date & time of receipt of e-Tender

: **04/01/2017 – 5.00 PM**

Date & Time of opening of e-Tender

: **09/01/2017 -11.00 AM**

Cost of e-Tender (online submission)

: Rs. 2100+VAT @ 5%

Date up to which the rates are to remain firm for acceptance

: **31.03.2017.**

E.M.D.

Security Deposit

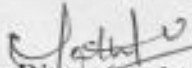
: **1 % of PAC in online payment.**

: **5% of total contract amount inclusive of E.M.D.**

Period of Supply

: **Within 30 days of receipt of supply order**




Deputy Director of Agriculture
Deputy Director of Agriculture
Senior Chemist
Pesticide Testing Laboratory
Parottukonam, Nalanchira P.O.
Thiruvananthapuram-15.

SPECIAL CONDITIONS

Detailed Specification of PC based Gas Liquid Chromatography (GLC) with FID Detector

SL No	Name of equipment	Quantity Required
1	PC Based Gas Liquid Chromatography (GLC) with FID Detector-	1 No
	Description	Details
	<ul style="list-style-type: none"> Column Oven 	Temperature Range <ul style="list-style-type: none"> ➤ 50° C to 400° C ➤ Column over heat protection ➤ Ramp range from 0° C to 50° C per minute; Maximum 3 Ramps, 4 Plateaus ➤ Oven Cooling 400° C to 50° C in Less than 5 minutes ➤ Temperature programme steps- Upto 20 steps
	<ul style="list-style-type: none"> Columns 	Columns required Packed Column Stainless Steel with adaptors and fittings <ul style="list-style-type: none"> ➤ 1.8m x 2mm dia – 3% OV-101 (1 No) ➤ 2m x 3mm dia 3% OV-17 (1 No) ➤ 100cm x 2mm dia 5% OV – 101 (1 No) ➤ 1.5m x 4mm dia 10% SE -30 (1 No) ➤ 2m x 3mm dia 10% OV – 101 (1 No) ➤ 2m x 2mm dia 5% SE – 30 (1 No) ➤ 90cm x 3mm dia 3% DEXIL – 300(1 No)
	<ul style="list-style-type: none"> Sample Injection Unit 	2 Nos <ul style="list-style-type: none"> ➤ Suitable for 1/4", 1/8", 1/16" packed column with Adaptor ➤ Temperature Range- 50° C to 400° C
	<ul style="list-style-type: none"> Performance Specification 	<ul style="list-style-type: none"> ➤ Typical Retention time Repeatability – 0.010 or better ➤ Typical peak area Repeatability – less than 0.5% RSD Carrier Gas Flow Controller – Flow rate setting range – 0 to 100 ml/min
	<ul style="list-style-type: none"> Detectors 	Flame ionization Detector – 2 Nos <ul style="list-style-type: none"> ➤ Compatible with 1/4", 1/8", 1/16" packed column ➤ Temperature – Maximum Temperature-400° C ➤ Flame Out Detection ➤ Flow Settings <ol style="list-style-type: none"> 1. Air – 0 – 400ml/min 2. Hydrogen – 0 – 150ml/min 3. Carrier Gas – 0 – 150 ml/min
	<ul style="list-style-type: none"> Integrating Software 	Dual Channel Data integrating suitable Software should be quoted. Software should have all the features required for audit trail under GLP with a password locking facility.
	<ul style="list-style-type: none"> PC & Printer 	<ul style="list-style-type: none"> ➤ The personal computer with latest processor/configuration with LCD monitor and Laser Jet Printer should be supplied along with 3

<ul style="list-style-type: none"> • Cylinder with double stage Regulator with SS Diaphragm 	<ul style="list-style-type: none"> ➤ Nitrogen (1 No), ➤ Air (1No), ➤ Hydrogen (1No)
<ul style="list-style-type: none"> • Gas Purification Panel 	For Nitrogen, Air, Hydrogen should be supplied
<ul style="list-style-type: none"> • Syringes 	Hamilton Liquid Syringe of 10µl Capacity - 8 Nos
<ul style="list-style-type: none"> • Septum 	Silicon Rubber Septum with 11.5 mm dia – 200 Nos
<ul style="list-style-type: none"> • Accessories 	<ul style="list-style-type: none"> ➤ Soap Bubble flow meter – 1 No ➤ Set of Fuses – 1 set ➤ Set of Tools – 1 Set ➤ Copper Tubing for Gas Connector – 1 Set ➤ Dust Cover – 1 No
<ul style="list-style-type: none"> • Other Special Conditions 	<ul style="list-style-type: none"> • The equipment should be delivered and installed at State Pesticide Testing Laboratory, Parottukonam, Nalanchira PO, Thiruvananthapuram - 695015
	<ul style="list-style-type: none"> • The availability of spares should be guaranteed for a minimum period of 10 years
	<ul style="list-style-type: none"> • Installation, commissioning, demonstrations, training on routine maintenance and Operation/analytical support should be provided by factory trained application Chemist and Engineer free of cost.
	<ul style="list-style-type: none"> • Original catalogue with specifications of the offered model, matching with specification of company website to be submitted along with the tender documents
	<ul style="list-style-type: none"> • All necessary operation manual and maintenance manual to be provided in hard and soft copies along with the equipment.
	<ul style="list-style-type: none"> • A detailed list of the model quoted satisfying the requisites Tender specifications should be supplied in compliance format along with proof as scanned copy in e-tender and hard copy to be submitted before the last date of submitting the tender without fail.
	<ul style="list-style-type: none"> • The rate quoted should include all expenditure including taxes, installation, Transport, loading and unloading at SPTL, TVPM
	<ul style="list-style-type: none"> • Comprehensive Warranty Period including replacement of spares and calibration– 5 years
	<ul style="list-style-type: none"> • Should be willing to undertake AMC/CMC with calibration for 5 years after the warranty period
	<ul style="list-style-type: none"> • The Service Engineer should be available to attend the breakdown call in less than 48 hours
	<ul style="list-style-type: none"> • All the necessary items needed for the complete installation of the equipment should be provided.