

DIVISION OF GENETICS

ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE NEW DELHI-110012

Email id. arun.tripath@icar.gov.in

File No. ICAR/IARI/Gen/34/12-133/

Dated: 26/10/23

E-PROCUREMENT THROUGH GEM TENDER NOTICE

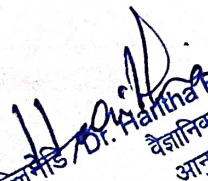
On behalf of Secretary, ICAR/Director, ICAR-IARI, PD/Head/In—Charge, Division of Genetics invites online e-tenders through Gem Portal under custom bid system for purchase of the ED-XRF at the DIVISION OF GENETICS , I.A.R.I., NEW DELHI-110012 , if necessary as per requirement in the interest of ICAR-IARI, subject to satisfactory performance of the Vendor and its willingness to continue on existing terms and conditions, as per requirements.

1. Tender Schedule:

Tender No.	Gem/2023/B/4129781
Date of release of tender through Gem portal	26/10/2023
Bid submission start date & time	26/10/2023 3:00PM
Last date & time for submission of bid	15/11/2023 4:00 P.M
Date & time for opening of technical bid	15/11/2023 4:30 PM
Cost of EMD value (in Rupees)	300000/-
Address for Communication	Asstt.Admn.Officer, Division of Genetics, IARI, Pusa, New Delhi.12

General Technical Specifications of ED-XRF

S.No	Item	Specification
1	Elements range for analysis	Sodium to Uranium
2	Detection system	2.1 Silicon Drift Detector 2.2 Peltier Cooling 2.3 Resolution 130-150 Ev or better
3	Excitation Source	3.1 End Window 3.3 Ag anode X-ray Tube 3.4 Excitation Voltage 5 to 50 Kv or more 3.5 upto 3mA current 3.6 12W or higher power 3.7 Automatic Primary Beam Filter changer 7 positions 3.8 X-ray tube-sample-detector Coupled Geometry
4	Sample Chamber	4.1 Automatic sample changer 4.2 minimum 15 position for min 32mm 4.3 Large Sample Chamber
5	Analysis Environment	Helium gas and air
6	Software, Display & Analysis	6.1 Fundamental Parameter based software package 6.2 Standard less Semi-quantitative & qualitative analysis of unknown samples
7	Two years comprehensive warranty from the date of satisfactory installation/commissioning inclusive of absolute free of charge unit delivery at our site in case of major problem or unit does not work to meet requirements. Free of cost service and application support during warranty period. Free of cost installation & replacement of parts/spares required if any during warranty period.	
8	Supplier should agree to install & commission the EDXRF successfully without extra cost. Should also provide free of cost training at site. Supplier to provide two copies of service/operation manual along with main equipment free of cost. If required Supplier /Indian Representative has to demonstrate and show the equipment capability for the required application at the nearest location within India.	
9	Supplier to provide operational consumables like Sample Cups (100 Nos), XRF film (2 rolls) and other consumables needed as per the features of instrument	
10	The system should include a suitable Online UPS with one hour backup for better health of the equipment.	
11	The system should include a desktop computer (with minimum i5 processor, 8Gb RAM, 5 USB ports and windows 10OS) and color printer cum scanner	
12	There should be minimum 3 installations of the instrument or similar instrument in Indian Public Sector or CGIAR research institutes. The list should be provided	
13	The bidder should be able to provide physical demonstration of the instrument and provide analysis of few test samples	


Dr. Haritha Bollinedi
 वैज्ञानिक/Scientist
 आनुवंशिकी संभाग
 Division of Genetics
 भा.कृ.अ.प.-भा.कृ.अ.सं, पुसा
 I.C.A.R.-I.A.R.I., Pusa
 नई दिल्ली/New Delhi-110012

Nedh

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