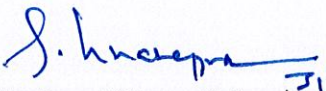


Pre-Bid Conference
Supply & installation of Quadrupole Inductively Coupled Plasma Mass Spectrometer
(ICP-MS) - under buy back option
against Tender No. 57(7)2C19-Pur/T-10, dated 16/05/2019

Consequent upon Pre-Bid Conference held on 30/05/2019, the following documents are attached.

1. Minutes of Pre-Bid conference and clarifications issued during the Pre-Bid Conference.
(Annexure-I)
2. Attendance sheet of the firms attended the Pre-Bid Conference. (Annexure-II)


- Controller of Stores & Purchase 31/5/19

Minutes of Pre-Bid Conference
held on 30/05/2019 at 11.00 a.m at CSIR-NGRI, Hyderabad
to give clarifications for issues raised by firms against
Tender No. 57(7)2019-Pur/T-10, dated 16/05/2019
for Supply & installation of Quadrupole Inductively Coupled Plasma Mass
Spectrometer (ICP-MS) - under buy back option

The following attended the conference.

From Purchase Committee:

Dr. Prantik Mandal, Ch. Sct.,	- Chairman
Dr. S. Prabhakar, FTAS, Pr. Sct., CSIR- IICT	- External Member
Dr. T. Vijay Kumar, Sr. Sct.,	- I.O. Member
Dr. B. Sreenivas, Pr. Sct.,	- Alternative I.O. - Member
Dr. Nimisha Vedanti, Pr. Sct.,	- Member
Smt. P. Rajyalakshmi, F.A.O.	- Member
Sri.S.Gnanaprakasam, COSP	- Member - Convener

From Firms:

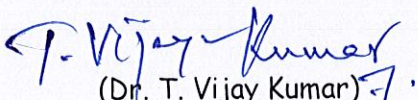
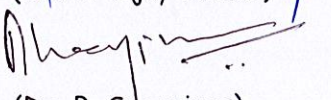
1. M/s. Agilent Technologies India Pvt. Ltd., Hyderabad, represented by Ms. Sangeeta Ramesan, Product Specialist.
2. M/s. Thermo Fisher Scientific India Pvt. Ltd., Hyderabad, represented by Mr. Chandragiri Rambabu, Application Manager

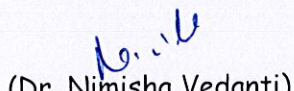
The TPC has also gone through the points raised by M/s. Agilent Technologies India Pvt. Ltd., Hyderabad, vide their email dated 28/05/2019 which was found received with in the stipulated time i.e., 28/05/2019 as stated in the tender. Further, the Committee had also gone through the points raised by M/s. Thermo Fisher Scientific India Pvt. Ltd., Hyderabad vide their letter dated 30/05/2019 submitted during the pre-bid meeting.

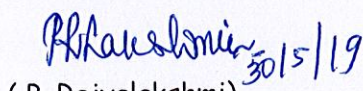
The TPC has given the clarifications to the points raised by above the firms. The clarifications given are stated in Annexure.

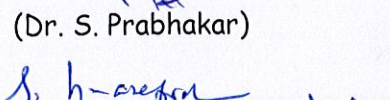
Further, the Arbitration Clause / Settlement of Disputes - Clause No. 2.32.3 of the Tender document stands amended as under:

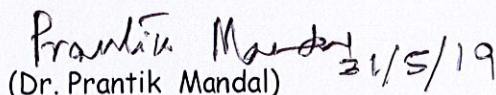
Any difference / dispute arising out of the agreement, shall be referred to Delhi International Arbitration Centre (DIAC), Delhi High Court New Delhi.


(Dr. T. Vijay Kumar)

(Dr. B. Sreenivas)


(Dr. Nimisha Vedanti)


(P. Rajyalakshmi) 30/5/19


(Dr. S. Prabhakar)

(S.Gnanaprakasam) 30/5/19

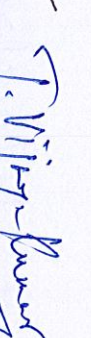
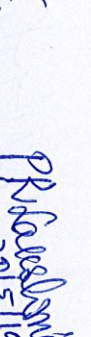

(Dr. Prantik Mandal) 31/5/19
Chairman

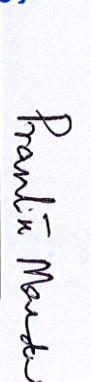
Points discussed and replied during Pre-Bid meeting on 30-05-2019 at CSIR-NGRI

Sl. No.	CSIR-NGRI Tender Specifications	M/s. Agilent's response	CSIR-NGRI RESPONSE
1	1) 1.29.6 Orders for imported stores need not necessarily be on FOB/FCA basis rather it can be on the basis of any of the INCOTERM specified in ICC Inco terms 2010 as may be amended from time to time by the ICC or any other designated authority and favourable to CSIR Labs/Institutes or Headquarters.	DDU Incoterm a specified in ICC Inco terms, (delivered duty unpaid) as Agilent can quote in INR, delivery upto Bangalore Airport which includes freight and insurance paid upto NGRI. The customs duties however as applicable/ exemptions to NGRI has to be paid to customs directly .	This clause is for placement of PO only. Evaluation will be done as per clause no. 1.29.3
2	2) GCC 2.16.2 Delivery: The Supply shall be completed within 4 weeks from the date of Purchase Order. Installation - Shall be completed within 1 week from the date of receipt material at CSIR-NGRI, Hyderabad.	The quoted delivery period is 16 weeks, as ICP MS delivery is subject to IVL licence,	The Supply to be completed within 8 weeks from the date of Purchase Order subject to obtaining IVL License.
3	3) Price on buy back of ICPMS in BOQ??	In case Agilent can not offer or accept competitor goods due to any compliance issue, rather we shall better the discount on main unit, will it be acceptable to NGRI for "NA" against this column .	ICPMS system has to be quoted under Buy Back scheme only.

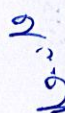
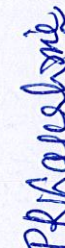
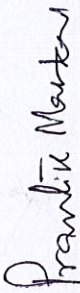
Dr. S. Prabhakar	Dr. Nimisha Vedanti	Dr. B. Sreenivas	Dr. T. Vijaya Kumar	Mrs. P. Rajya Lakshmi	Mr. S. Gnanaprakasam	Dr. Prantik Mandal
Principal Scientist CSIR-IICT External Expert	Principal Scientist CSIR-NGRI	Principal Scientist CSIR-NGRI	Senior Scientist & IO CSIR-NGRI	FAO, Member CSIR-NGRI	CoSP, Member, Convenor CSIR-NGRI	Chief Scientist, Chairman CSIR-NGRI





4	Payment for Goods supplied from abroad: Payment of foreign currency portion shall be made in () [currency of the Contract Price] in the following manner: (xxiii) On Shipment: 80% (Eighty percent) of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit opened in favor of the Supplier in a bank in its country, upon submission of documents specified in GCC Clause 2.16. (xxiv) On Acceptance: 20% (Twenty percent) of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security.	For our offer on DDU –Bangalore airport are purportedly imported goods quoted in INR, we trust the payment of 80% against inland LC with 20% against installation are accepted as per left column .pls advise	80% payment will be through LC against shipping documents. 20% payment will be only after installation, successful integration of LA system with ICPMS
5	(1) Providing a complete interfacing of ICPMS with existing Resolution 193 nm Excimer laser and New Wave Nd:YAG 213 nm systems.	The merchandise supplied here an ICP MS and payment is against the said supply. The demonstration with resolution 193 will be undertaken during installation. However the condition and working stability of the other supplies are not under the purview of ICP MS supply. The ICP MS also will be demonstrated for liquid samples as responsibility of Agilent.	Acceptable and Resolution 193 nm Laser Ablation system/New Wave UP213 will be kept ready at the time of installation for demonstration of interfacing between ICPMS and Laser Ablation System.

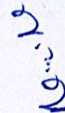
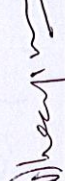
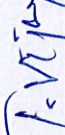
 Dr. S. Prabhakar Principal Scientist CSIR-IICT External Expert	 Dr. Nimisha Vedanti Principal Scientist CSIR-NGRI	 Dr. B. Sreenivas Principal Scientist CSIR-NGRI	 Dr. T. Vijaya Kumar Senior Scientist & IO CSIR-NGRI	 Mrs. P. Rajya Lakshmi FAO, Member CSIR-NGRI	 Mr. S. Gnanaprakasam CoSP, Member, Convenor CSIR-NGRI	 Dr. Prantik Mandal Chief Scientist, Chairman CSIR-NGRI
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6		LA part per ICP MS installation and demonstrating the working of unit should be on LA vendors & Agilent can offer required hardware and software as per LA vendor suggestion	LA system service Engineer(s) will be present during the demonstration and interfacing. All the required hardware and software will be indicated.
7	(2) Demonstration of in-situ U-Pb zircon age and in-situ trace element analysis utilizing the complete functionality of existing Glitter software. This shall include real time visualization of U-Pb-Th isotopic data of zircon grains on a concordia plot and trace elemental analysis from suitable international standard reference materials.	We trust the LA supplier also will be part of this aspect and present during the demonstration. Agilent can offer required hardware and software as per LA vendor suggestion	LA service engineer(s) will be present during demonstration.
8	Towards enhancing the current in-situ U-Pb zircon dating and in-situ trace elemental analytical capabilities, a new Quadrupole ICP-MS system is being procured that should be capable of (a) Acquiring online Time Resolved Analysis of selected isotope species when coupled with existing Resolution 193 nm ArF Excimer laser and/or New Wave UP 213 nm laser ablation system and (b) Online data acquisition and optimization through our existing Glitter software.	We trust the LA supplier also will be part of this aspect and present during the demonstration i.e a & b. Agilent can offer required hardware and software as per LA vendor suggestion	LA service engineer(s) will be present during demonstration.

Dr. S. Prabhakar	Dr. Nimisha Vedanti	Dr. B. Sreenivas	Dr. T. Vijaya Kumar	Mrs. P. Rajya Lakshmi	Mr. S. Gnanaprakasam	Dr. Prantik Mandal
Principal Scientist CSIR-IICT	Principal Scientist CSIR-NGRI	Principal Scientist CSIR-NGRI	Senior Scientist & IO CSIR-NGRI	FAO, Member CSIR-NGRI	CoSP, Member, Convenor CSIR-NGRI	Chief Scientist, Chairman CSIR-NGRI
External Expert						

9	Primary scope of supply of the instrument from a vendor shall include the following: (1) Providing a complete interfacing of ICPMS with existing Resolution 193 nm Excimer laser and New Wave Nd:YAG 213 nm systems. (2) Demonstration of in-situ U-Pb zircon age and in-situ trace element analysis utilizing the complete functionality of existing Glitter software. This shall include real time visualization of U-Pb-Th isotopic data of zircon grains on a concordia plot and trace elemental analysis from suitable international standard reference materials.	We trust the LA supplier also will be part of this aspect and present during the demonstration. Agilent can offer required hardware and software as per LA vendor suggestion	LA service engineer(s) will be present during demonstration.
10	It is essential that the bidder should provide evidence for successful implementation of in-situ U-Pb zircon geochronology in laboratories elsewhere with contact details of the individual scientists or research groups.		To fulfill the primary objective of our laboratory, we require to know information about this clause.
11	Warranty: During the period of warranty, the performance of the system, after any service, has to be demonstrated in both, in-situ Laser Ablation mode and Solution mode.	During the period of warranty, the performance of the system, after any service, has to be demonstrated in both, in-situ Laser Ablation mode and Solution mode. Responsivity of LA and ICPMS part will be with OEM.	Warranty of the system is expected for the supplied ICP-MS only. Our existing LA systems are under AMC.

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Principal Scientist CSIR-IICT External Expert	Principal Scientist CSIR-NGRI	Principal Scientist CSIR-NGRI	Senior Scientist & IO CSIR-NGRI	FAO, Member CSIR-NGRI	CoSP, Member, Convenor CSIR-NGRI	Chief Scientist, Chairman CSIR-NGRI

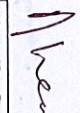
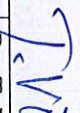
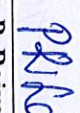
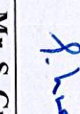
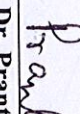







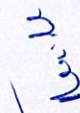
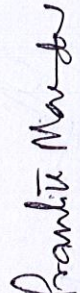

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M/s. Thermo Fisher Scientific Points

SL.NO	CSIR-NGRI Tender specifications	M/s. Thermo Fisher Scientific's Clarification	NGRI Response
1	Quadrupole Quadrupole rods preferably of "True hyperbolic" cross section for better peak shape and resolution. Minimum of 2.5 MHz for best abundance sensitivity with	Page no. 44: "True Hyperbolic" and 2.5 mHz	Quadrupole Quadrupole rods preferably Virtual/True hyperbolic cross section for better peak shape and resolution. 2.0-3.0 MHz for best abundance sensitivity with
2	(i) Instrument should have a provision to port as He Collision/Reaction Cell. Results of analysis of specific elements with interferences by these methods should be attached. (ii) Separate AMFCs for Reaction cell gases.	Page No. Collision/Reaction cell clarification for MFC	(i) Instrument should have a provision to port Helium carrier gas as well as other gases using Collision/Reaction Cell. Results of analysis of specific elements with interferences by these methods should be attached. (ii) Provision for additional AMFCs for Reaction cell gases for potential future upgradation.
3	• Pump oil – 5 liter	P.46: Pump Oil – 5 lts	• Standard PM Kits (2 Nos.) covering 2 years warranty period.
4	The manufacturer of the ICP-MS instruments should supply following items individually along with the main supply. • Ni Sample and Skimmer cones with 'O' rings – 1 sets • Pt Sample and Skimmer Cones with 'O' rings – 1 sets	Additional Cones – Number?	We need additional 1 set of (a) Ni sample and Skimmer cones with 'O' rings and (b) Pt Sample and Skimmer Cones with 'O' rings

 Dr. S. Prabhakar Principal Scientist CSIR-IICT External Expert	 Dr. Nimisha Vedanti Principal Scientist CSIR-NGRI	 Dr. B. Sreedivas Principal Scientist CSIR-NGRI	 Dr. T. Vijaya Kumar Senior Scientist & IO CSIR-NGRI	 Mrs. P. Rajya Lakshmi FAO, Member CSIR-NGRI	 Mr. S. Gnanaprakasam CoSP, Member, Convenor CSIR-NGRI	 Dr. Prantik Mandal Chief Scientist, Chairman CSIR-NGRI
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5	Onsite training during installation for about 5 Scientists for ten working days.	Training point 23 for Laser Ablation	NO CHANGE: Onsite training during installation for about 5 Scientists for ten working days.
6	Shield Torch Mechanism - Shield Torch mechanism capable of reducing the plasma ion energy spread and provide for efficient cool plasma operations.	Shield Torch should be changed to Suitable Torch mechanism	Changed to Shield Torch or suitable Mechanism - Shield Torch or suitable mechanism capable of reducing the plasma ion energy spread and provide for efficient cool plasma operations.
	a. Abundance sensitivity (at Cs/U)@ 5-560amu : - Low mass Low mass side: ≤ 5 or 1×10^{-6} & High Mass High mass side: ≤ 1 or 5×10^{-7} - High isotopic abundance sensitivity is desirable for the measurement of low-abundance isotopes in the presence of neighboring high-abundance isotopes. - Lower than 0.5 ppm at m-1 (^{238}U)		(a) Abundance sensitivity (at Cs/U)@ 5-560 u or better - High isotopic abundance sensitivity is desirable for the measurement of low-abundance isotopes in the presence of neighboring high-abundance isotopes. Better than values as mentioned below (preferably Lower than 0.5 ppm at m-1 (^{238}U)): A. Low mass side: minimum of $\leq 5 \times 10^{-7}$ B. High mass side: minimum of $\leq 1 \times 10^{-7}$

						
Dr. S. Prabhakar	Dr. Nimisha Vedanti	Dr. B. Sreenivas	Dr. T. Vijaya Kumar	Mrs. P. Rajya Lakshmi	Mr. S. Gnanaprakasam	Dr. Prantik Mandal
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CSIR - NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)
UPPAL ROAD, HYDERABAD-500 007, Telangana, INDIA

ATTENDANCE SHEET

Pre-Bid Conference for
Supply & installation of Quadrupole Inductively Coupled Plasma Mass Spectrometer
(ICP-MS) - under buy back option
against Tender No. 57(7)2019-Pur/T-10, dated 16/05/2019

The following Representatives have attended for the Pre-bid Conference held on
30/05/2019 - 10.30 a.m. at CSIR-NGRI, Uppal Road, Hyderabad.

Sl. No.	Company Name & Address	Representative's Name, Designation & Contact Telephone No. with e-mail	Signature of the Representative who attended pre-bid
1	Thermo Fisher Begumpet Hyderabad	Ch. Anubha Application Manager 7304505581 chandraanubha@yahoo.co.in	[Signature]
2.	Sangeetha & Rajwar. Agilent Technologies Hyderabad	Sangeetha Product Specialist 9910273075 sangeetha.narayan @agilent.com	[Signature]