



Rajasthan Medical Services Corporation Limited, Jaipur

Gandhi Block, Swasthya Bhawan, Tilak Marg, C-Scheme, Jaipur - 302005

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F-8() RMSC/EPM/M-4/20-21/NIB-443/ 4329

Dated: 29/06/2020

Order for Rate Contract

Bidder Status : Importer
Indicative Qty : 01

S. No.	Item	Detail
1.	Name of Equipment / Item	Atomic Absorption Spectrophotometer (AAS) with Graphite Furnace and Hydride System
2.	Name & Address of Firm	Chetan Biotech and Digital Devices, CF/S-34, Nehru Place, Tonk Road, Jaipur Rajasthan-302015, Email: sales@chetanbiotech.com , narendra.tanwar@chetanbiotech.com
3.	Make	Thermo
4.	Model	Ice 3500
5.	Packing Unit	Each
6.	R/C No. & Validity	(R.C. No 600 /Valid upto 30.06.2022)
8.	Net Rate Per packing Unit (Rs.)	4692969.00 (In words Rs. Forty Six Lac Ninety Two Thousand Nine Hundred Sixty Nine Only) HSN Code 90273010
9.	RMSC Surcharge @5%	Rs. 234648.45
10.	Rates for Supply to RMSC from Suppliers	
(i)	New Basic Rate (In Rs.)	4692969.00
(ii)	IGST @ % (In Rs.)	0.00
(iii)	CGST @ 9% (In Rs.)	422367.21
(iv)	SGST @ 9% (In Rs.)	422367.21
(v)	Approved Rate for Suppliers From RMSC {(i)+(ii)+(iii)+(iv)} (In Rs.)	5537703.42

(Signature)



Rate for Supply To Consignee From RMSC	
(i) New Basic Rate (In Rs.)	4692969.00
(ii) RMSC Surcharge @ 5% on (In Rs.)	234648.45
(iii) CGST @9% {On (i)+(ii)} (In Rs.)	443485.57
(iv) SGST @ 9% {On (i)+(ii)} (In Rs.)	443485.57
(v) Approved Rate for Consignee From RMSC {(i)+(ii)+(iii)+(iv)} (In Rs.)	5814588.59

11.

12. **Technical Specifications of Item:- Atomic Absorption Spectrophotometer (AAS) with Graphite Furnace and Hydride System as below:-**
The fully PC controlled AAS System with integrated Graphite furnace required to analyse maximum elements in periodic table in low concentration in various types of samples. The system should be equipped with all the required accessories.

1. Wavelength Range: 190 –900 nm with PMT Detector
2. The system should have integrated furnace and flame atomizer.
3. Optics: Double beam optics and the system should have Echelle/holographic monochromator.
4. Lamp Turret: The system should be fitted with six/eight lamp carousel preferably with individual power supply and should be auto aligned and optimized through software.
5. Background Correction: The system should have Zeeman and D2 background correction in graphite furnace and D2 in flame mode to correct background signals.
6. Slit: The system should have slit width in steps of 0.2nm, 0.5nm, 1nm (or better) It should be automatic controlled or selectable through PC.
7. The Gas control box should be fully automatic It should have all necessary safety interlocks. The burner adjustment should be through software The system should have safety features like automatic flame ignition, software control automatic fuel gas boost on oxidant change over, automatic flame shut down, and burner type sensor spray chamber overpressure protection.
8. The system have burner with slot design giving high solid handling and low carbon build up. The burner height is automatically adjustable.
9. The inert nebuliser with a PT/IR capillary and PTFE ventury in standard.
10. Graphite Furnace: Graphite Furnace should have 20 ramps temp range ambient to 3000°C in 1°C increments. The furnace should come with furnace auto sampler with 60 or more sample position. Water chiller for graphite furnace should be supplied through the manufacturer and not through local source. Furnace vision system to provide visual feedback for auto sampler alignment, injection depth and events occurring within cuvette.
11. Mercury Hydride System: Automated Continuous Flow Vapour Generation Mercury hydride system for the high sensitivity determination of Mercury and Metallic hydride forming elements such as Bi, As, Sb, Sn, Se, and Hg.
12. The system should have provision for data coded lamps.



13.	<p>Coded Hollow Cathode Lamps: Mercury (Hg), Arsenic (As), Selenium (Se), Sodium (Na), Aluminium (Al), Chromium (Cr), Copper (Cu), Tin (Sn), Antimony (Sb), Zinc (Zn), Iron (Fe), Lead (Pb), Manganese (Mn), Potassium (K), Strontium (Sr), Calcium (Ca), Magnesium (Mg), Cadmium (Cd), Phosphorus (P) and Lithium (Li) Total: Hollow cathode 20 lamps.</p>
14.	<p>Element Standards: 1000ppm concentration, 100 ml for all the above mentioned elements.</p>
15.	<p>Software: To control, acquisition, display and reporting AAS data suitable software should be provided. Data reports, online help and other wizards should be available. Complete user help facility to provide a comprehensive cook book for all elements. Export of data to other applications should also be possible. Facility for data security, audit trails and electronic signatures etc. should be available for GLP and 21 CFR compliance.</p>
16.	<p>Accessories:</p> <ul style="list-style-type: none">a) Suitable fume hoodb) Air acetylene, Argon and N₂O cylinder with suitable regulators.c) Imported Oil free Air compressord) PC & Printer with suitable UPS of 2 Hr. Back up for complete instrument/setup of reputed brands specification as under <p>Computer Specifications (Higher configuration will be preferred) are follows:</p> <ul style="list-style-type: none">a) Make: HP/Dell/IBMb) Form factor: All-in-Onec) Processor: Intel i5 (latest generation)d) Chipset: Q 67 or better on OEM motherboarde) Display Size: 21" diagonal widescreenf) Memory: 8 GB DDR3g) Hard Drive: 1 TB SATAh) Optical Drive: DVD recordablei) Wireless: Wi-Fi 802.11 b/g/nj) Ethernet: 10/100/1000 Ethernetk) Graphics: Intel HD Graphicsl) Connectivity: USB and Serial port required for instrument connectivity, cordless multimedia keyboard and optical mouse with mouse padm) Printer: Heavy duty coloured Laser Printer.n) Operating System: Genuine Windows 10 / Windows 8 with media and documentation and certificate of Authenticity.o) Preloaded latest Licensed Antivirus Software
17.	<p>Documents / Training and other notes:</p> <ul style="list-style-type: none">a) The equipment should be certified by European CE marking or UL marking.b) Should have safety certificate from a competent authority like CE/Equivalent or valid detail of electrical and functional safety test. Copy of the certificate/test report shall be produced along with the technical bid.c) Comprehensive guarantee period with spare parts for at least three years from the date of installation.d) Instruction Manuals (Hard Copy or Soft copy as applicable) along with standard Operation Procedures (SOP) and appropriate Dust cover for the instrument.



	<p>e) Installation qualification (IQ), Operational Qualification (OQ) and Performance Qualification (PQ) documents should be provided at the time of supply of the instrument.</p> <p>f) Satisfactory technical and application training to the personals at the site after installation.</p> <p>g) CMC will be given @5% of net rate-inclusive of GST (as applicable) & yearly escalation of 5% on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion guarantee period.</p> <p>h) Minimum of two routine maintenance services/inspections to be provided annually and any number of breakdown emergency calls should be attended during the guarantee period.</p> <p>i) Price quoted should be inclusive of their complete installation in all respects at site as per purchase order.</p> <p>j) Final technical approval only after demonstration of the quoted product.</p> <p>k) Any other prerequisite required (if any) with specifications should be included with the instrument to run and complete the installation.</p>
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Executive Director (EPM)
Rajasthan Medical Services Corporation Ltd.,
Jaipur

Dated: 29/6/2020

No F-8() RMSC/EPM/M-4/2019-20/NIB-443/ 4329

Copy forwarded to the following for information & necessary action:

1. P.S. to Mission Director NHM Jaipur.
2. Director, (PH)/(Aids)/(FW)/(RCH)/(IEC)/(ESI).
3. Principal, Medical College, Ajmer, Bikaner, Jaipur, Jodhpur, Kota, Jhalawar & Udaipur.
4. Superintendent Japuriya Hospital Jaipur (Associated with RUHS College of Medical Sciences, Jaipur).
5. Director, Medical & Health Services (ESI), Mobile Surgical Unit, Raj. Jaipur.
6. All P.M.O's.
7. All CM&HO's.
8. Executive Director (Logistics/Finance)
9. AGM (IT), RMSC, Jaipur
10. All DPC's DDW Rajasthan.
11. Chetan Biotech and Digital Devices, CF/S-34, Nehru Place, Tonk Road, Jaipur Rajasthan-302015, Email: sales@chetanbiotech.com, narendra.tanwar@chetanbiotech.com
12. Guard file.

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