


No:- CIMFR/PUR/14(15)2008
21st^H Nov, 2008

To,
The Times of India (All edition)
204, Trilok complex,
Hazaribag Road,
Ranchi
FAX:- 0651 2213620/2213612

Sub:- Publication of Corrigendum.

Please arrange to publish the following below mentioned corrigendum in display pattern with a size of 2 Column x 4 cm latest by 21st & 22nd Nov, 2008 positively against the NIT No:- CIMFR/PUR/14(15)2008 for publication in your National Daily (**ALL EDITION**).

	
Central Institute of Mining & Fuel Research (CSIR, Ministry of Science & Technology, Govt. of India) HQ, Barwa Road Campus, Dhanbad- 8260015	
NIT No: CIMFR/PUR/14(15)2008	Dated:-21.11 2008
<u>CORRIGENDUM</u>	
The Technical specifications of item no-9 file no. 13(1)/CIMFR/40/08-09 (Microwave Digestion System) of our above referred NIT dated 15 th Nov. 2008 published in Times of India (all edition) & Hindustan Times (all edition) has been revised and displayed separately in the website.	
All the other terms & conditions of above NIT remain unchanged. Interested firms may visit our Website: www.cimfr.nic.in for details.	
Fax No -0326-2296030/2381210	Stores & Purchase Officer

The advertisement may be published once in your newspaper under DAVP Rates under intimation to us.

Your bill duly pre-receipted on the revenue stamp along with three copies of each publication copies of certified current rate of DAVP for each publication may please be submitted to this office to enable us to take necessary action for payment.

Thanking you,

Yours faithfully

(Debaraj Rath)
Section Officer (S&P)

File No. 13(1)/CIMFR/55/PUR/08-09		
Sl. No.	Description	Qty.
1.	MICROWAVE DIGESTION SYSTEM	
	A. General	Capable of sample (soil, fly ash, plant materials) preparation including acid digestion and solvent extraction.
	B. Microwave System	<ol style="list-style-type: none"> 1. Microwave power output 1400 W or greater supplied through two magnetron or single magnetron with power protection system. 2. Minimum 5 years free warranty for magnetron. 3. Compatible for both acid digestion & solvent extraction. 4. Should have advanced control for temperature & pressure along with separate in-situ sensors for each rotor. 5. Suitable windows based software. 6. IR sensor for remote temperature monitoring.
	C. Acid digestion rotor & vessels	<ol style="list-style-type: none"> 1. Rotor (which hold min 14 vessels) along with all the complete vessel sets. 2. PTEF/TFM based HF resistant vessels of volume 75ml or more; Temperature 200^oC or more/working pressure 30 bars or more. 3. In-situ temperature sensors in reference vessel. 4. In-situ pressure sensor in reference vessel. 5. One spare reference vessel liner plus two ordinary liners. 6. On extra set of insitu temperature and pressure sensors for digestion vessels.
	D. Solvent extraction rotor & vessels	<ol style="list-style-type: none"> 1. Separate exclusive rotor and vessel sets delineated by the principal for extraction purpose and supported by the brochure only should be quoted. 2. Rotor(which hold min 14 vessels) along with all the complete vessel set. 3. PTEF/TFM based vessels; min volume 75ml; temperature 200^oC or more. 4. In-situ temperature sensors in reference vessel. 5. In-situ pressure sensor in all/reference vessel. 6. Solvent sensor/accessory for detecting any solvent leakage in the microwave cavity. 7. One spare reference vessel liner plus two ordinary liners. 8. On extra set of insitu temperature and pressure sensors for extraction vessels.
	E. Accessories and consumables	<ol style="list-style-type: none"> 1. All essential accessories and consumables including tubes, fittings, exhaust, Indian plug tops, fuse etc. required to install the system. 2. Magnetic Stirrer. 3. Diagnostic & trouble shooting, and operational manuals, application notes etc.(both soft and hard copy). 4. 5 KVA Online UPS with 60 min. power back up (APC, Tata, Libert).
	F. Installation & training	The Firm should successfully install and train the staff members for method development and instrument uses.
	G. Warranty	Comprehensive onsite warranty for 5 years.
	H. Optional	<ol style="list-style-type: none"> 1. Consumables for 5 years operation: vessel liners, covers, fuse, tubes etc. 2. Solvent evaporation accessory including vacuum pump and scrubber. 3. Balance: 0.1mg accuracy analytical balance, with internal calibration. 4. P4 core duo Desktop Computer, 2GB RAM, 160 GB Hard Disk, TFT Monitor.
	The firm should supply a summary table consisting of point by point justification to all the above specifications along with the the quoted part number.	
Note.: The instrument should be installed at CIMFR (Erstwhile CFRI), Digwadih Campus, P.O.: FRI, Dhanbad (Jharkhand), India		