



DELHI POLLUTION CONTROL COMMITTEE
4thFLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06
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B.No DPEE(2)(5)(6)/L&Iw(2019/577)

Date 05/08/2019

Subject: invitation of sealed quotation for Toxicity Characteristics Leachate Procedure Extractor (TCLP).

Sir,

Sealed quotation are invited on behave of the Delhi Pollution Control Committee for Toxicity Characteristics Leachate Procedure Extractor (TCLP).

s.no.	Description of items	Qty.	Rate (Rs.)
1	Toxicity Characteristics Leachate Procedure Extractor (TCLP) with one rotatory agitator, one pressure vessel dispensing system and pressure pump.	1	
	Taxes if any		
	Total		

Terms and conditions:

1. The agency must produce/ enclose registration certificate of GST. The bidder has to submit copy of valid copy of PAN Card, GST registration and copy of registration with Govt. organization or documentary evidence of dealer
2. The Specifications mentioned in the quotation are fixed and no variation in the same shall be accepted.
3. The sealed envelope containing quotation shall be super scribed in the top of the envelope, quotation for the purchase of (Toxicity Characteristics Leachate Procedure Extractor).
4. The rates should quoted for each item in the category exclusive of taxes as applicable.
5. Any item supplied of inferior quality shall be replaced without any extra charge.
6. The material should be supplied on F.O.R. basis.
7. The payment shall be made after the receipt of material/ instruments.
8. Payment will be made after satisfactory completion of work after submission of bill along with copy of the GST challen deposited for this work. No advance payment will be made.
9. It may be noted that mere quoting the lowest rates will not entitle any firm to get the work order.
10. The quotations shall be valid for 01 months from the date of their opening.

Mishra
Scientist
Delhi Pollution Control Committee
5th Floor, ISBT Building,
Kashmere Gate, New Delhi-110006

11. The terms & conditions and taxes etc. should be clearly mentioned in the quotation.
12. The over writing and corrections, if any should be counter signed.
13. In the event of any dispute, the decision of the Component Authority, Delhi Pollution Control Committee shall be final and binding on both the parties.
14. Typographical & clerical errors are subject to correction.

15. Quotation must be reach the office latest by 16:00 hrs on 21.08.2019 at enquiry counter, N. Mitra
4th floor, ISBT Building, Kashmere Gate,
Delhi-06.

Dr. Nandita Moitra
(I/C Water Lab)

Dr. NANDITA MOITRA
Senior Scientist
Delhi Pollution Control Committee
5th Floor, ISBT Building,
Kashmere Gate, New Delhi-110006

Code no. 20.		
Equipment Name: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) EXTRACTOR		
Quantity: 1(One)Nos.		
S.No.	Specifications	Requirements
1.0	Composition:	<p>(i) Designated by USEPA as suitable for TCLP (ii) Allows automatic and manual venting for safety (iii) Cannot be pressurized unless completely assembled (iv) Entire construction of SS316, no welds, no joints (v) Unique wiper 'O' Ring continually wipes the barrel free of grit (vi) Double SS sieve mesh support for the filter to protect filter from rupture.</p> <p><u>Materials</u> a) 316 stainless steel, molded polypropylene hand wheels knobs with brass hand wheel inserts, Viton - A 'O' Rings and Wiper seal. Body smooth machined and electro polished. b) Dimension: 159mm dia, 285 mm height c) Shipping Weight: 8 Kgs. approx. d) Operating Pressure: 50 PSI max e) Filter size: 90mm f) Filtration Area: 63.6 cm² g) Piston break force: 5-10 PSI (0.35 – 0.7 kg / cm²)</p>
2.0	<u>For inorganic analysis</u> 142 mm Hazardous waste filtration system 142 mm	<p>(i) Designed for use in EP tox and non-volatile testing for TCLP (ii) All internal contact parts Teflon coated to eliminate heavy metal contamination, vent relief valve PTFE coated. (iii) Wide entry port for easy sample inlet and fully dismantlable</p> <p><u>Material:</u> 316SS, body Teflon coated, Inlet/outlet adaptors Teflon coated, SS legs, molded PP hand wheels knobs Teflon / Silicon 'O' Rings and gaskets. Body smooth machined an electro polished. Pressure: 125 psig (9 bars) inlet; 75 psi (5.5 bars) differential Filter size: 142mm dia</p>
3.0	Rotary Agitator	<p>Suitable for use in TCLP procedures both for vessel and bottle extraction protocols as per EPA, EP TOX Four place devices provides end over end rotation of upto 4 Millipore ZHE systems or extraction bottles for heavy metal work. Agitator incorporates safety shield over rotor as well as motor The rotor automatically stops when shield is opened.</p>

[Handwritten signatures and initials]

		<p>System provided with emergency brake stop. Electrical supply 220V / 50 Hz Motor rating: 1/15 HP System control box: Microprocessor control with LCD display and facility to programme runtime in hours / minutes, real time data of run time indicated on LCD panel. Facilities to restart operation / rotation from actual time of power interruption. Horse Power: 1/ 15 HP Speed 30 rpm + or – 2 rpm Safe Torque: 115 Kg-cm</p>
4.0	Pressure Vessel dispensing system for extraction fluid dispensing	<p>5 Litre internally electro polished SS pressure vessel for storage and dispensing of extraction fluid. <u>Material:</u> Type AISI 316L Stainless Steel with Stainless Steel fittings, Viton O – rings, Molded Styrene Butadiene rubber base. Pressure: 7 Kg/ cm² (100 psig) maximum with safety relief valve Pressure Vessel with built in Pressure gauge Temperature: 121 Deg C Connections: ¼" BSP Dimensions: 5 Litre capacity, 246mm dia, 245mm H. Shipping Weight: 4.5 Kg (approximately)</p>
5.0	Vacuum / Pressure Pump	<p>Powder coated die cast aluminium body and pump head; Neoprene diaphragm; Capable of providing 4 bar of pressure or 22" of Hg Pump internal surface Teflon coated Pump provided with stainless steel leaf valves and inlet filters Pump voltage 220V / 50 Hz AC, Power: 1/3 HP motor Connections: 3 pronged (grounded) cord and plug Hose Connector: Tapped 1/8 "BSP inlet and outlet hose connectors. Dimensions: 235mm L, 150mm W, 275mm H. Weight: 8 Kg Approx.</p>
6.0	Other Accessories included:	<p>a) Gas tight Syringe, PTFE plunger for leachate extraction from ZHE (b) Luer Ni- CR, 1/8 " NPTF to male connector (c) Tubing all pressure rated or all Inter connections with swag lock/quick release</p>

S. N. Mitra R. Chatterjee 09/