

**QUOTATION**

Ref. No. ED/HE(TE)/2016/187

Datd:17.08.2016

Last date of submission:- 2pm of 15<sup>th</sup> September'2016

Name of Lab.:- Water and Waste Water Engineering

Sl. No.	Item	Model & Make	Rate per unit	
			in figure	in words
1.	Digital pH Meter with temperature compensation and combination pH electrode. 3½ digit LED display.			
2.	Digital Turbidity meter : • 0 to 1000 NTU/JTU in two ranges, • 0.1 NTU Resolution,			
3.	Digital Nephelometer 3½ digit LED display. Range up to 200 NTU. Table Model. Optional accessories 1. Test tube set of 2. Spare lamp 6.8V, 0.3Amp			
4.	<b>Jar Test Apparatus:</b> Six Jar Apparatus along with all accessories Fitted with D.C. MOTOR But to work on 220 Volts A.C with Variable Speed from 20 R.P.M to 100 R.P.M approx.: SECOR Jar Test Apparatus allows efficient and economical flocculation matter and collides in general and also has been specially designed for use in water treatments to correctly estimate the dosing of alum and such other coagulants for treatment of Water sewage and floc formation test in Water Treatment plants. Heavy duty structural construction for rigidly and vibration-free base consists of flourocent tube mounted below translucent plastic plate to provide diffused cold light to floc Samples: The gear chain for multiple spindle Drive gives same speed for all the stainless steel stirring paddle approx. 1" x 3" are attached to the rod having 10" long approx.: with lighting knob at top permit adjustment of paddle height spacing of approx.: 6" in between rods permits use to 1000 ml glass Beaker which rest directly on bench. Cap. 1 liter to 2 liter			
5.	<b>BOD Incubator with Cooling &amp; Heating: 4 Cubic Feet with stabilizer, 90 Lit., digital temp. Controller Temp. Range: 5°C to 60°C, Inner chamber: SS</b>			
6.	Measuring cylinders 100ml capacity, Borosilicate glass			
7.	Measuring cylinders 50ml capacity, Borosilicate glass			
8.	Sludge Volume Index Apparatus: Imhoff Cone With Stand			
9.	<b>Standard &amp; Modified Proctor Compaction test apparatus:</b> Proctor Compaction mould, M. Steel 150mm dia127.3 mm ht. X 2250 cc. Collar and base plate, Rammer 2.5 kg x 450mm controlled fall and Rammer 5.54 Kg with controlled fall			
10.	<b>Field Density Kit:</b> <b>CORE CUTTER (Cylindrical):</b> To use for determination of in-situ dry density of natural or compacted fine grained soil, free from aggregates. Cylindrical core cutter made up of steel 100 mm dia			

	<p>x 127.3 mm high and wall thickness 3 mm beveled at one end.</p> <p><b>STEEL DOLLY:</b> 25 mm high and 100 mm diameter, wall thickness 7.5 mm Fitted with a clip to enable it to be located on top of core cutter.</p> <p><b>STEEL RAMMER:</b> With solid mild steel foot 140 mm dia. And 75 mm height with a concentrically screwed 25 mm dia. Solid mild steel staff. The overall length of the rammer including the foot as well as the staff should be approximately 900 mm. Should weigh approximately 9 Kg.</p>			
11.	<p><b>Shrinkage Limit Apparatus:</b> Set consists of one each :</p> <ol style="list-style-type: none"> <li>1. Porcelain evaporating Dish</li> <li>2. Shrinkage Dish</li> <li>3. Glass Cup</li> <li>4. Perspex plate with three metal prongs</li> <li>5. Perspex plate, plain</li> <li>6. Flexible Spatula</li> <li>7. Glass Cylinder 25 ml x 0.5ml supplied <b>without mercury</b> packed in nicely polished teak wood box.</li> </ol> <p>OPTIONAL Required Mercury (500gm)</p>			
12.	Digital Weighing Balance: Capacity : 1000gm, Accuracy : 0.01gm			
13.	Lid & Pan: 200 mm Dia, Brass			
14.	<b>Pycnometer: As per IS: 2386 (PART III):</b> With brass cone, Plastic locking ring with rubber seal, Cap. about 2 lbs.			
	<p>Test Sieves:</p> <ol style="list-style-type: none"> <li>a) 75 Micron, Brass, Dia 200 mm</li> <li>b) 150 Micron, Brass, Dia 200 mm</li> <li>c) 212 Micron, Brass, Dia 200 mm</li> <li>d) 300 Micron, Brass, Dia 200 mm</li> <li>e) 425 Micron, Brass, Dia 200 mm</li> <li>f) 600 Micron, Brass, Dia 200 mm</li> <li>g) 425 Micron, Brass, Dia 200 mm</li> <li>h) 4.75 mm, Brass, Dia 200 mm</li> <li>i) 10 mm, Brass, Dia 200 mm</li> <li>j) 20 mm, Brass, Dia 200 mm</li> <li>k) 40 mm, Brass, Dia 200 mm</li> <li>l) 80 mm, Brass, Dia 200 mm</li> <li>m) 100 mm, Brass, Dia 200 mm</li> </ol>			
15.	Permeability Test Apparatus (Jodhpur Type)			
16.	Sand Pouring Cylinder Apparatus (Complete set)			

Dated signature & Seal of the  
Quotationer