

# GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2015-16/ 2005

Date: 8 JUL 2015

To,  
HOD- Computer Engineering for display on College Website

Subject : Quotation for supply of Equipments, Glassware & Chemical ( for Civil Engineering )

Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **27.07.2015** at 5.00 pm.

Sr.No.	Specification	Qty.	Unit
<b>Environmental Engineering - II</b>			
1	<b>Analytical Balance</b> – 0.1 mg accuracy Weighing Range – 0- 120 gm	1	No.
2	<b>Filtration Assembly</b> – Comprising of Oil free , diaphragm type vacuum pump , filtration flask , Buchner funnel , rubber tubing , filter paper etc etc	1	No.
3	<b>High Alumina Crucibles</b> cap – 100 ml	24	No.
4	<b>Chemical Oxygen Demand Assembly</b> for 4 flask of 250 ml with boss head , screws ,and and condensers for water circulation, rubber tubing for that and in built heating mantla of 250ml capacity with net .	1	No.
5	<b>B O D incubator</b> – Temp range-10 deg Cto 60 deg C.,uniformity - +/-1.0 deg C,control microprocessor based P I D control with 3.5 digital display.Resolution – 0.1 deg C,temp sensor- Cooling – good quality compressor using 134A refrigerant with condenser,relay and motor of std makeonly.Air circulation – Flange motor with impellar. .Construction-double wall with PUF insulation outer door lock &inner transparent door.chamber illumination – Fluroscent light.,material of construction- inner chamber S S 304 with mirror finish and outer material m s with duly powder coated.power -230 v 15 amp. Dimention- internal-30 x30 x 30 cm W D H x 55 x 100 cm capacity in ltr.-4 cu ft (120 ltrs),no of shelves - 2	1	No.
<b>Glassware- Make- Borosil</b>			
<b>BEAKERS</b>			
1	100 ml	24	No.
2	250 ml	18	No.
3	500 ml	24	No.
4	1000 ml	12	No.
5	REAGENT BOTTLES 500 ml	10	No.
6	1000 ml	5	No.
7	WASH BOTTLES PLASTIC 500 ml	2	No.
8	PETRIDISHES 100 x 17	10	No.
9	Erlenmeyer flask 100 ml	12	No.
10	250 ml	6	No.
11	BURETTES- 25ml	4	No.
12	50 ml	2	No.
13	CYLINDERS 10 ml	5	No.
14	50 ml	4	No.




15	100 ml		4	No.
16	250 ml		2	No.
17	500 ml		4	No.
18	1000 ml		3	No.
19	VOLUMETRIC FLASK	50 ml	4	No.
20		100 ml	6	No.
21		250 ml	6	No.
22		500 ml	6	No.
23	FUNNEL DIA	65 mm	4	No.
24		100 mm	4	No.
25	SEPERATING FUNNEL	250 ml	4	No.
26		500 ml	2	No.
27	TESTUBES	18 x150	10	No.
28		25 x 150	5	No.
29	Silica crucibles	cap – 50 ml	24	No.
30	PIPETTES	1 ml	6	No.
31		2 ml	6	No.
32		5 ml	6	No.
33		10 ml	6	No.
34		25 ml	2	No.
35	DESSICATOR-	with ceramic plate inside 250mmdi	1	No.
36	Imhoff cone	graduated	3	No.
37	Kjhedral	Appratus	1	No.
	<b>Miscellaneous Items</b>			
1	GLASS BEEDS		500	Gram
2	BURETTE STAND		3	No.
3	PIPETTE STAND		1	No.
4	SEPARATING FUNNEL STAND		1	No.
5	TESTUBE STAND	(Five Tubes)	1	No.
6	NON ABSORBENT COTTON		500	Gram
7	FILTER PAPER -RIM		100	No.
8	WHATMAN 41		5	Box
9	RUBBER BULB	SMALL	5	No.
10		LARGE	5	No.
11	CONDENSOR TUBING		10	Mt.
12	SPATULAE		5	No.
	<b>Chemical Grade Analytical Reagents</b>			
1	MnSO <sub>4</sub>		500	Gram
2	NaOH		500	Gram
3	Sodium Azide		100	Gram
4	Sodium Iodide		250	Gram
5	H <sub>2</sub> SO <sub>4</sub> (conc.)	1bottle	5	Ltr.
6	Starch		500	Gram
7	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		500	Gram
8	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>		500	Gram
9	Ag <sub>2</sub> SO <sub>4</sub>		25	Gram
10	H <sub>2</sub> SO <sub>4</sub> (conc.)	1bottle	2.5	Ltr.
11	Ferrouin indicator	1 bottle	100	ml
12	Ferrous ammonium sulphate		500	Gram
13	HgSO <sub>4</sub>		25	Gram
14	Potassium Hydrogen Pthalate KHP		500	Gram



15	HCl 1 bottle	2.5	Ltr.
16	N – Hexane, 500ml * 5 No.	2.5	Ltr.
<b>Transportation Engineering Lab</b>			
1	<b>Marshall Stability Test Apparatus</b> capacity 5000kgf Fixed speed of 5.08cm per minute. Operated on 230 Volts A.C., Compaction pedal with specimen mould holder., Compaction Rammers, 4.5kg weight and free fall 45.7cm., Specimen mould 10.16cm I.D. x 7.6cm high with base plate and extension collar.	1	No.
2	<b>Softening Point Apparatus</b> Conforms to the specifications of: ASTM D36, E28; AASHTO T53; IP 58, 198; Maximum Temperature: 477°F (250°C) Microprocessor Based Temperature Control Unit Temp. Range 0.1deg C To 9.9 Deg C. Dimensions In Inches:- 11" X8" X31" Power Supply: 230v Ac, 50 Hz, 10 Amp.	1	No.
3	<b>Film Stripping Apparatus</b> The apparatus required for this experiment are: 1. Thermostatically controlled water bath. 2. Oven to heat aggregate. 3. Sieves of sizes 20 mm and 12.5 mm. 4. Beaker of 500 ml capacity. 5. Mixer to mix aggregate and bitumen.	1	No.
4	<b>Flash &amp; fire Point Apparatus</b> With Oil Cup ,Air Bath ,Electric Heating Arrangement Energy Regulator Box ,Top Plate Cover Assembly Having Cover ,Shutter ,Stirring Device , Flame Exposure Device ,Thermometer Socket <b>Thermometers:</b> IP 15C -7*c TO 100*(LOW) IP 16C 90*c TO 370*c(HIGH)	1	No.
5	<b>Ductility Testing Apparatus</b> • With Stainless steel bath • Temperature controller ,Immersion electric heater • Constant speed Pump cum stirrer • Carriage holding up to three standard briquette moulds • Electric motor with gear mechanism • S S scale and pointer ,Control Panel	1	No.
6	<b>Bitumen/ Extractor</b> capacity 1500 gms. with a cap and tightening nut. The bowl assembly is mounted	1	No.
7	<b>Penetrometer Apparatus</b> • With Penetration Needle, Penetration solid cone • Penetration brass hollow cone,Grease worker hand operated • Grease cutter as per IP 50 ,Transfer Dish	1	No.
8	<b>Specific Gravity Appratus -</b> Comprising of pycnometer , Metal cap , cylinder , etc etc .	1	No.
9	<b>Los Angeles Abrasive test Machine –</b> Consists of a hollow steel cylinder, closed at both ends, having an inside Accessories:. Extra (Optional) • Laboratory Oven. • Test Sieve 1.7mm • Electronic Balance of 15 kg x 1 gm • Spare Abrasive charge.	1	No.

### Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
  - 2 Delivery period –
  - 3 Payment Terms –
  - 4 Quotation Validity –
  - 5 Warranty -
  - 6 Guaranty-
- } Mention clearly
- 7 Delivery Charges – Free / if extra mention clearly.
  - 8 The part supply and its bill will strictly not be entertained.
  - 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
  - 10 The material will be accepted subject at approval(after inspection of the material),If rejected it will be returned to you at your cost.
  - 11 The material to be supplied should be strictly according to the specification only.
  - 12 Octroi is not applicable since Institute is located in Gram Panychayat area.
  - 13 Please attach copy of your shop registration certificate alongwith your quotation, without which your quotation will not be accepted.

  
(Prof. S.V. Joshi )  
I/c Principal

Govt.College of Engineering & Research Awasari  
Awasari(khurd)