

# GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

Awasari(Khurd) Tal: Ambegaon, Dist.Pune-412 405

Tel. No.02133-230582

E-Mail – gcoeara@gmail.com

FAX No. 02133-230583

Website : www.gcoeara.ac.in

No. GCOEARA/Store/2016-17/ 2615

Date: 25 AUG 2016

To,  
HOD- Computer Engineering for display on College Website

Subject : Quotation for supply of Equipments ( Civil Engineering - Transportation Lab. )

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 **07.09.2016** at 5.00 pm.

Sr.No.	Specification	Qty.	Unit
1	Flash Point Test Apparatus	1	No.
2	Standard Tar Viscometer	1	No.
3	Softening Point Test Apparatus	1	No.
4	Standard Pentrometer Bitumen Penetration kit	1	No.
5	Bitumen Extraction Test Apparatus	1	No.
6	Los Angles Abrasion Test Apparatus	1	No.
<b>(Detail scope of supply will be as per enclosed sheet )</b>			

### Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
- 2 Delivery period –
- 3 Payment Terms –
- 4 Quotation Validity –
- 5 Warranty -
- 6 Guaranty-
- 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 Panchayat area.
- 13 Please attach copy of your shop registration certificate alongwith your quotation, without which your quotation will not be accepted.

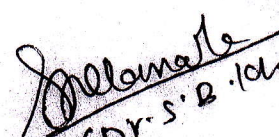
(Dr. A.S. Pant )

Principal

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

**GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH AVASARI (KD)**  
**DEPARTMENT OF CIVIL ENGINEERING**  
 List of equipments to be purchased at Institute Level

Sr. No.	Name of Equipments/Accessories/consumables with specifications	Quantity Required
<b>Transportation Engineering Lab</b>		
1	<b>Flash Point Test Apparatus:</b> This test apparatus should be suitable for test operation as per IS: 1209. Apparatus should consist of electrical heating system with gas test jet and electric heater, brass test cup with handle, removable cup cover with spring operated rotating shutter, stiner device, flame exposure device, energy regulator. Apparatus should be compatible to 220-230 Volt, 50 Hz, Single Phase, AC Supply. This test apparatus should be supplied with voltage variable temperature controller with digital temperature indicator as well as with a set of thermometers for temperature range IP 60 C and IP 61 C	1
2	<b>Standard Tar Viscometer:</b> This test apparatus should be suitable for test operation as per IS: 1206 (Part II). This viscometer should consist of a chrome plated copper bath, with a drain valve and a central tube to receive the test cup and to position the stirrer. It should be mounted on a stand with leveling feet. Stirrer should have a curved shield and need to be provided with an insulated handle, thermometer socket and swivel support for the valve. This test apparatus should be supplied with electrical heating system equipped with immersion heating elements and dimmerstat for controlling the temperature; 10 mm cup and valve. Apparatus should be compatible to 220-230 Volt, 50 Hz, Single Phase, AC Supply.	1
3	<b>Softening Point Test Apparatus:</b> This test apparatus should be suitable for test operation as per IS: 1205. The apparatus should consist of heat resistant glass beaker internal dia 8.5 cm X 12 cm depth (approx.); two steel balls each of 9.5mm dia; two tapered brass moulds; two ball guides, ring stand. It should be supplied with a heating unit designed to give temp. rise at 5 Degree Celcius per minute through an energy regulator; an electrically operated stirrer mounted on a stand with chuck and glass rod for stirring the water in the water bath; digital temperature indicator as well as a set of thermometers for temperature range IP 60 C and IP 61 C Apparatus should be compatible to 220-230 Volt, 50 Hz, Single Phase, AC Supply.	1

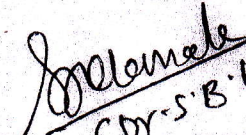
  
 CDR S.B. Dandekar  
 Head of Department,  
 Civil Engg. Department,  
 Govt. College of Engg. and Research,  
 Avasari, Khurd, Dist. Pundhri.

12016/285  
TG 24108606

**GOVERNMENT COLLEGE OF ENGINEERING AND RESEARCH AVASARI (KD)**  
**DEPARTMENT OF CIVIL ENGINEERING**

List of equipments to be purchased at Institute Level

Sr. No.	Name of Equipments/Accessories/consumables with specifications	Quantity Required
<b>Transportation Engineering Lab</b>		
4	<p><b>Standard Pentrometer: Bitumen Penetration Kit:</b> This test apparatus should be suitable for test operation as per IS: 1203. Standard pentrometer (manually operated) should consist of a vertical pillar mounted on a base provided with leveling screws. The head should be fitted with a two speed elevating mechanism for quick and precise positioning of the penetration tip. Penetration should be displayed on a 150mm dial, graduated 400 × 0.1mm increments, equipped with a slipping clutch pointer. Penetration Range: 0 to 400 Pen (40 mm). This apparatus should be supplied with 47.5g standard plunger, 50g and 100g plunger weights.</p>	1
5	<p><b>Bitumen Extraction Test Apparatus:</b> It should be electrically operated centrifuge type bitumen extraction apparatus of 1500gm capacity and supplied with pack of filter Paper (50 Circles). Electrically operating system should be equipped with dimmerstat for controlling speed from 2400 to 3600rpm</p>	1
6	<p><b>Los Angeles Abrasion Test Apparatus:</b> This test apparatus should be suitable for test operation as per IS: 2386. The apparatus should consists of a rolled steel drum having an inside dia. of 711 mm and internal length 508 mm. The drum should be mounted on a sturdy frame on ball bearings. The drum should driven by an electric motor (operable on 220-240 V, 50 Hz, Single Phase) at a speed of between 31 and 33 r.p.m. The machine should equipped with an automatic counter, which can be preset to the required number of revolutions of the drum or the total working time. The unit is supplied with abrasive charges consisting of 12 steel balls approximately 48 mm dia and each weighing between 390 to 450 g.</p>	1

  
**CDR-S.B. Karmale**  
**Head of Department,**  
**Civil Engg. Department,**  
**Govt. College of Engg. and Research,**  
**Avasari Khurd, Dist. Pune.**