Government Engineering College
Bartonhill,Thiruvananthapuram

P2/3463/17/GECBH 06/10/2017

Notice Inviting E-Tender

E-Tender No	: 07/2017-18 (P2/3463/17/GECBH)
Superscription	: Purchase of equipments for Concrete Technology Engineering Lab
Last Date & Time of Receipt of E- Tenders (online – www.etenders.kerala.gov.in)	13/11/2017 , 6 pm
Date & Time of opening of E-Tender	: 16/11/2017 , 11 am
Date up to which the rates are to be firm	180 days from date of opening tender
Cost of E-Tender	Rs.1180/-.(Tender fee Rs.1000+Rs.180 @ GST 18%) (Online remittance)
EMD Required	Rs.5016/- (Online remittance)
Address of the Officer to whom communications are to be sent	THE PRINCIPAL GOVT.ENGINEERING COLLEGE, BARTON HILL ,THIRUVANANTHAPURAM KERALA Ph-04712780121(Purchase Section) Ph-04712780120 (Purchase P2 Section) Email- purchase.gecbh@gmail.com
List of Items to be Supplied	Detailed specification enclosed below or visit www.etenders.kerala.gov.in http://www.gecbh.ac.in http://www.dtekerala.gov.in

Terms & conditions

1	**Hard copies of the tender documents shall be submitted before the date of opening of tenders. The bid will be rejected, if the bidders fails to produce hard copy of the agreement before the date of opening of tenders.Hard Copies are compulsorily required for tabulation in departments.**
2	The price quoted should be inclusive of all taxes, freight charges, transportation,loading, unloading charges, installation etc. The rates are to be firm for 180 Days from the date of opening E- tender
3	5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order
4	Delivery @ Concerned Department at Government Engineering College, Bartonhill,Thiruvananthapuram **with prior intimation of delivery to Department HOD/Purchase Section**
5	Payment –Only after the satisfactory supply and installation/commissioning
6	A preliminary Agreement as per NIT 2 shall be prepared in Kerala Stamp Paper worth Rs.200/- and produced along with Tender documents
7	All amount payable is through Online remittance only
8	Hard copies of the tender documents shall be submitted before the date of opening of tenders.
9	Date of Opening- If the opening date is declared as a holiday the tenders will be opened on the next working day.
10	Tender documents are to be up loaded through E- tendering system. Tender cost and EMD should be remitted through net banking(Electronics Transfer only)
11	Warranty/Guaranty- On site warranty/Guaranty shall be specifically mentioned.

Sd/-
Dr.Rajasree.M.S
Principal

Specification

SL NO	Articles with full description and accurate specification, etc.	Quantity
1.	Indian Standard Sieve of 300 mm diameter of effective sieving surface confirming to IS 460(Part 2):1985, made from Galvanized steel plate and Galvanized steel sheet frame confirming to IS 277:1972 with the following designations. a. 80-mm IS Sieve (C) b. 63-mm IS Sieve (C) c. 40-mm IS Sieve (C) d. 20-mm IS Sieve (C) e. 16-mm IS Sieve (C) f. 12.5-mm IS Sieve (C) g. 10-mm IS Sieve (C) h. 4.75-mm IS Sieve (C) i. Pan j. Lid	01
2.	Indian Standard Sieve of 200 mm diameter of effective sieving surface confirming to IS 460(Part 1):1985, made from Stainless steel wire cloth confirming to IS 6528:1972 and Brass sheet frame confirming to IS 410:1977 with the following designations. a. 4.75-mm IS Sieve b. 2.36-mm IS Sieve c. 2-mm IS Sieve d. 1.18-mm IS Sieve e. 1-mm IS Sieve f. 500-µm IS Sieve g. 600-µm IS Sieve h. 300-µm IS Sieve i. 150-µm IS Sieve j. 90-µm IS Sieve k. Pan l. Lid	01
3.	Digital Weighing Balance of 30 kg capacity and 1 g resolution, pan size 250 mm x 190 mm, with zero tracking, auto tare, overload warning, backlit display Power rating-230 V, 50Hz AC.	01
4.	Pycnometer of 1 liter capacity made from a glass jar with a brass conical screw top with a 6 mm diameter hole at its apex, locking ring and a rubber seal/washer as per fig. 1 of IS:2386(Part III)-1963.	02
5.	Concrete Slump Test apparatus confirming to the guidelines stipulated in IS:7320-1974 (Reaffirmed 2008)	01

6.	Cube mould of size 150 mm x 150 mm x 150 mm confirming to the guidelines stipulated in IS:10086-1982.	15
7.	Cylindrical mould 150 mm diameter x 300 mm height confirming to the guidelines stipulated in IS:10086-1982.	03

8.	Beam mould of size 100 mm x 100 mm x 500 mm confirming to the guidelines stipulated in IS:10086-1982.	03
9.	Cube mould of size 70.6 mm x 70.6 mm x 70.6 mm confirming to the guidelines stipulated in IS:10080-1982.	15
10.	Vibration Machine for casting standard cement mortar cubes confirming to the guidelines stipulated in IS:10080-1982 (Reaffirmed 2004) with built in digital timer with NABL certification consisting of 70.6 mm steel mould, side springs, supporting springs (4 no.), springs for fitting mould (2 no.), endless belt, belt guard, eccentric shaft with bearing and a poking rod. The machine shall be capable of vibrating the mix in moulds at a frequency of 12000+-400 cycles per minute as per specifications. The vibrator is mounted over coiled springs and the vibrations are developed by means of a revolving eccentric shaft. The centre of gravity of the vibrator including the cube and mould is either at the centre of the eccentric shaft or within 25mm below it.	01
11.	Rebound hammer for non-destructive testing of concrete with approximate impact energy of 2.25 Nm, measuring range of 10 MPa to 100 MPa	01
12.	Vibrating table for compaction of concrete in moulds having size of 1 m length and 1 m breadth and capacity 1 tonnes confirming to the guidelines stipulated in IS:2514-1963. Power rating 230 V, 50Hz AC	01

13.	Concrete vibrator- immersion type with standard nominal outside diameter of vibrating needle 40 mm confirming to the guidelines stipulated in IS 2505:1992 (Reaffirmed 2004) Power rating 230 V, 50Hz AC	01
14.	Tilting type batch type concrete mixer of capacity 30 litres confirming to the guidelines stipulated in IS:1791-1985 (Reaffirmed 2005). Power rating 230 V, 50Hz AC	01
15.	Vicat Apparatus as per the specifications stipulated in IS 5513:1996 (Reaffirmed 2005) consisting of Vicat mould, glass base plate, initial needle, final needle (in plastic case), consistency plunger, mild steel base plate, Vicat mould split type with clamping ring.	03