e-tender No. CCET/DG/SPA/SK/2018/01

CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY (DEGREE WING), SECTOR 26, CHANDIGARH
(FAX No. 0172-2750872, Phone No. 0172-2750943)
E-TENDER NOTICE
College website: - www.ccet.ac.in

Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh invites e-tenders for purchase of Lab Equipments/Items for its Civil Engineering Department. The dates for opening and closing of e-tender are as given below:-

Start Date and Time of uploading of e-tender	End Date and Time of uploading of e-tender	Date and Time of opening of Online Bid (Technical Bid)	Earnest Money
14.06.2018 at 9.00 AM	**04.07.2018 at 3.00 PM**	**04.07.2018 at 3.30 PM**	**Detail of Earnest Money to be deposited is available in the e-tender document.**

Detailed Terms and Conditions including detail of Earnest Money are available in e-tender document.

The bid document can be downloaded from the website of Chandigarh Administration https://etenders.chd.nic.in however for general information, guidance and reference; the tenderer can approach to office of Principal, Chandigarh College of Engineering. & Technology (Degree Wing), Sector-26, Chandigarh (Phone No. 0172-2750943)

Principal

CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY,
(DEGREE WING),
SECTOR 26, CHANDIGARH
(Phone No. 0172-2750943)
E-TENDER NOTICE
College website: - www.ccet.ac.in

Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh invites tenders through e-tendering for purchase the Lab Equipments/Items for Civil Engineering Department:-

SCHEME CODE-I	**ENVIRONMENTAL LAB (CIVIL ENGINEERING DEPARTMENT)**			
	Item No.	**Name of Item**	**Qty.**	**Earnest Money (in Rs.)**
	1.	Sludge Volume Index (SVI) Kit	01	1000
	2.	UV Visible Spectrophotometer	01	20000
	3.	BOD Analyzer with BOD incubator	01	16250
	4.	Digital DO Meter (Bench Top)	01	3750
			Total	**41000**
SCHEME CODE-II	**GEOTECH/FOUNDATION LAB (CIVIL ENGINEERING DEPARTMENT)**			
	Item No.	**Name of Item**	**Qty.**	**Earnest Money (in Rs.)**
	1.	Permeability Apparatus	01	1400
	2..	Static Cone Penetrometer	01	2250
			Total	**3650**
SCHEME CODE-III	**RCC LAB (CIVIL ENGINEERING DEPARTMENT)**			
	Item No.	**Name of Item**	**Qty.**	**Earnest Money (in Rs.)**
	1.	Flow Table Test Apparatus	01	1750
			Total	**1750**
SCHEME CODE -IV	**SURVEY LAB (CIVIL ENGINEERING DEPARTMENT)**			
	Item No.	**Name of Item**	**Qty.**	**Earnest Money (in Rs.)**
	1.	Total Station	01	15000
			Total	**15000**
SCHEME CODE -V	**TRANSPORTATION LAB (CIVIL ENGINEERING DEPARTMENT)**			
	Item No.	**Name of Item**	**Qty.**	**Earnest Money (in Rs.)**
	1.	Benkelman Beam Apparatus	01	1950
	2.	Viscometer	01	750
			Total	**2650**

Start Date and Time of uploading of e-tender : 14.06.2018 at 9.00 AM
End Date and Time of uploading of e-tender : 04.07.2018 at 3.00 PM
Date and Time of opening of Online Bid (Technical Bid) : 04.07.2018 at 3.30 PM
Detailed Terms and Conditions are available in e-tender document.

NOTE:-

Note 1:-The tenderer will have an option to submit tender for individual item or scheme separately. Tender can be submitted after consolidating the schemes and items, as the case may be. The rates shall be compared item wise and supply order will be issued to the tenderer accordingly. Each item shall be treated as independent from the other under each scheme and the tenderer shall have to submit a consolidated bid for all the equipments/items under each scheme separately.

Note 2:-The sealed envelope of EMD should bear the Advertisement No.___ and should be clearly superscribed as "EMD for Purchase of Equipment/Items for Civil Engineering Deptt., with specific mention of Scheme Code such as "EMD for Scheme.-__, Item No.___".

NOTE 3. The bidder may note that no column of the BOQ shall be left blank. In case of items for which no bid is being made by the bidder, numeric value 0 (zero) shall be invariably mentioned for the validation of the BOQ.

The bid document can be downloaded from the website of Chandigarh Administration https://etenders.chd.nic.in However for general information, guidance and reference, the tenderer can approach to office of Principal, Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh (Phone No. 0172-2750943)

Principal

INSTRUCTIONS TO BIDDERS REGARDING E-TENDERING PROCESS

a. Tenders without Digital Signatures will not be accepted by the electronic tendering system. No tender will be accepted in physical form and in case it has been submitted in physical it shall be rejected.

b. Before submission of on line bids, bidders must ensure that scanned copies of all the necessary documents have been uploaded with the bid.

c. Principal, Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh will not be responsible for any delay in online submission of bids due to any reason whatsoever.

d. Bidders should get ready with the scanned copies of EMD as specified in the tender documents. The original instruments in respect of EMD in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft in favour of the Principal, Chandigarh College of Engineering and Technology (Degree Wing), Sector-26, Chandigarh should reach on or before **04.07.2018 at 3.00 PM.**

e. The details of EMD specified in the tender document should be same as submitted online (scanned copies). Otherwise tender will be rejected summarily.

TERMS AND CONDITIONS OF THE TENDER
CCET STANDS FOR CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY, (DEGREE WING), CHANDIGARH.

1. The last date and time for receipt of tenders is **04.07.2018 at 3.00 PM** through e-tendering only.
2. **The Tender will be two Bid Systems i.e. Technical Bid and Financial Bid.**

   i) The Technical Bid will contain technical specifications; and
   ii) The Financial Bid will contain rate per equipment/Item.
   a) If rates are quoted along with Technical Bid, it will be rejected straightway.
   b) The Financial Bid(s) of only those firms will be opened who are technically qualified and the date and time for opening of financial bid(s) will be conveyed after opening of the Technical Bid.
3. Each tender must be accompanied with Earnest Money Deposit as mentioned against each item in the tender document for which bid is being made, in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft in favour of the Principal, Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh, valid for three months payable at Chandigarh on any Scheduled Bank.

   Note:-The tenderer will have an option to submit tender for individual item or scheme separately or consolidated tender for all schemes and items, as the case may be. Each Scheme is independent of the other and the tenderer shall have to submit a consolidated bid for all the components under each scheme. Earnest Money has been mentioned / indicated in Col. 4 of the abstract of Equipments/items enumerated in the tender document. In case, the Earnest Money is found to be less than that mentioned in the tender document against the items for which bid has been submitted by the tenderer, the tender shall be straightway rejected.
4. The sealed envelope of EMD should bear the Advertisement No.____ and should be clearly **super scribed as "EMD for Purchase of Equipment/Items for Civil Engineering Department,** with specific mention of Item Name and Item No. due on **04.07.2018 at 3.30 p.m.** should be separately submitted in the office of Principal, Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh on or before **04.07.2018 upto 3.00 p.m.**
5. Any attempt direct or indirect, to cast influence, negotiation on the part of the tenderer with the officials/authority to whom he will submit the tender or the tender accepting official/authority before the finalisation of tenders will render the tenderer liable for exclusion from consideration.
6. Tender(s) received without earnest money as specified at Sr. No. 2 above shall be rejected straightway.
7. Earnest Money deposited with the Chandigarh College of Engineering & Technology, (Degree Wing), Chandigarh in connection with any other tender will not be considered against this tender.
8. The Public Sector undertaking of the Central / State Govt. are exempted from furnishing Earnest Money Deposit.
9. This tender is not transferable.
10. The tender i.e. Pre-qualifying-cum-Technical Bid shall be opened **on 04.07.2018** at **3.30 p.m.** at Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh.
11. Conditional offer shall be rejected.
12. The requirements of the Institute in terms of category of equipment/items, detailed specifications and quantity are given in **SCHEDULE OF TECHNCIAL SPECIFICATION/ REQUIREMENT (AS PER ANNEXURE-I)**. Principal, CCET (DG) reserves the right to change the quantity for any/all items without assigning any reason.
13. The tenders not accompanied by Earnest Money or incomplete in any respect will be rejected out rightly.
14. No advance payment will be made. Payment will be made after receipt of equipment/items, its inspection, installation and testing to the satisfaction of the Technical Purchase, Evaluation-cum-Inspection Committee.
15. ***The quoted prices must be mentioned showing Goods & Services Tax (G.S.T) separately***.
16. The Principal, CCET reserves all rights to accept or reject any tender without assigning any reason.
17. Rates should be quoted F.O.R. Chandigarh College of Engineering & Technology, Sector-26, (Degree Wing) Chandigarh including packaging, forwarding, postage and freight etc.
18. The Principal, CCET reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications.
19. In case of violation of any term and condition as mentioned, Earnest Money Deposit of the tenderer shall be forfeited in full or part at the entire discretion of the Principal, Chandigarh College of Engineering & Technology, Chandigarh.

20. Training for the operation of equipments/items, if any, shall be provided by the firm free of cost to the faculty / other staff of the college.

21. The defective equipment/items from the Store of Chandigarh College of Engineering. & Technology, Chandigarh will be lifted at the entire cost & risk of the firm. Chandigarh College of Engineering & Technology, Chandigarh will not bear any expenses on this account and the equipment/items lying in the CCET premises will be at tenderer's risk and cost.

22. The equipments/items will be maintained free of charges during the warranty period.

23. **PERFORMANCE SECURITY:-** Performance security @10% of the value of supply order covering the warranty period shall be furnished by the firm in the shape of Bank Guarantee duly pledged in favour of Principal, Chandigarh College of Engineering & Technology, Chandigarh before / along with supply of equipments/items. **The performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.**

24. The CCET would return the Earnest Money Deposit to the successful tendering firm on the submission of the Bank Guarantee. EMD of unsuccessful tenderer will also be returned.

25. Rates quoted in Indian Currency only shall be accepted irrespective of foreign make of equipment/items which should include all kinds of charges, taxes, duties etc. Financial bids showing the rates in other currency shall not be considered and deemed to be rejected automatically.

26. **PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN:-**

The tendering firms should keep their offers valid for acceptance up to **31-03-2019.** If the firms are unable to keep their offers open for the above said period, they should specifically state the period for which their offers would remain open but such a provision may result in the rejection of their offers.

27. Any conditional tender or any deviation from the terms and conditions of the tender document shall render the tender liable to rejection.

28. The equipments/items will be installed free of charge by the firm / agent at the designated premises. The cost of material required for installation shall be borne by firm. Material for experimental set up such as Table, Stand etc. should be provided by the firm at its own cost. CCET will not provide any material required for installation. Foundations of equipments wherever necessary shall be provided/constructed by the supplier free of cost.

29. **DELIVERY PERIOD:-** ***The Delivery period of the equipment/items shall be strictly 4-6 weeks from the date of supply order.*** The delivery period will be extended at the sole discretion of the Principal, CCET in special circumstances on written request from the firm***. Penalty @ 2.00% per month of the cost / price of equipment/items for actual period of delay after the due date of supply of equipments/items will be charged.***

30. Installation and demonstration will be done by the supplier to the satisfaction of Head of Department concerned.

31. ***Warranty period, where applicable, should be clearly specified but not less than 1-year in any case.***

32. After the receipt of equipment/items, any fault or deficiency in the equipments/items noticed should be rectified by the supplier within two weeks after intimation free of cost.

33. Instructional materials and **e-manuals** will be uploaded by the supplier free of cost.

34. The technical brochure for the equipments shall be uploaded along with Pre-qualifying – cum – Technical Bid.

35. **INSPECTION OF EQUIPMENT/ITEMS**

The equipments/items will be inspected only at CCET premises. However, the inspection of equipments/items at factory site or any other place, if any, shall be carried out at the risk and cost of the Tenderer / Bidder. The CCET will not bear any expenses on this account.

36. In the cases of failure or default in the performance or responsibilities or breach of terms and conditions of DNIT or MOU or any agreement of contract between the company / firm / agency / person or any legal entity and CCET, as the case may be, the said company / firm / agency / person or any legal entity shall be black listed in the light of notification issued by Chandigarh Administration vide their letter No. 1927-F&PO(3)-2009/1170 dated 27-02-2009 or any other instructions issued from time to time.

37. **The tenderer has to submit latest affidavit (as per Annexure II) regarding non black listing of individual/firm/company, as the case may be.**

38. **JURISDICTION**

The courts of Chandigarh alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no Court outside and other than Chandigarh Court shall have jurisdiction in the matter.

39. **Force majure:**- Any failure or omission or commission to carry out provision of this tender by tenderer shall not give rise to any claim by one party against the other if such failure or omission or commission arise from an Act of God; which shall include all Acts of natural calamities such as fire, flood, earthquake, hurricane, or any pestilence or from civil strikes, compliance with any status and / or regulation of the Government, look outs and strikes, riots, curfew, embargoes or from any political or other reason beyond the parties control including war (whether declared or not), civil war or stage of insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two week from the date of occurrence of such any event which could be attributed to force majure conditions.

Note 1:-The tenderer will have an option to submit tender for individual item or scheme separately. Tender can be submitted after consolidating the schemes and items, as the case may be. The rates shall be compared item wise and supply order will be issued to the tenderer accordingly. Each item shall be treated as independent from the other under each scheme and the tenderer shall have to submit a consolidated bid for all the components under each scheme separately.

Note 2:-The sealed envelope of EMD should bear the Advertisement No.____ and should be clearly super scribed as "EMD for Purchase of Equipment/Items for Civil Engineering Department, with specific mention of Scheme Code such as "EMD for Scheme.-___, Item No.___.

NOTE 3. The bidder may note that no column of the BOQ shall be left blank. In case of items for which no bid is being made by the bidder, numeric value 0 (zero) shall be invariably mentioned for the validation of the BOQ.

Annexure-I
Schedule of Technical Specification/Requirement

(CIVIL ENGINEERING DEPARTMENT)
(SCHEME I – V)

<table>
<tr><td colspan="2">Scheme –I</td><td colspan="3">ENVIRONMENTAL LAB</td></tr>
<tr><td>Scheme Code</td><td>Item No.</td><td>Name of Item</td><td>Specifications</td><td>Qty.</td><td>Amount (in Rs.)</td></tr>
<tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td></tr>
<tr><td>I</td><td>1</td><td>Sludge Volume Index (SVI) Kit</td><td>Sludge volume index kit should have acrylic material having volume of 1.4 liter; it should have dual scale of % solids and SSV both. Kit should be supplied with sludge volume kit, paddle and lid SVI kit should be as per USEPA method.
Company should have ISO Certification.</td><td>01</td><td></td></tr>
<tr><td>I</td><td>2</td><td>UV Visible Spectrophotometer</td><td>The Instrument – Specially designed for water analysis applications. The Instrument should be a microprocessor controlled Reference beam Technology UV visible range spectrophotometer provisioned with standalone operation with LCD Color display. The microprocessor should be able to store multipoint calibration curves, with facilities for baseline correction, peak area and other statistical calculations and should give absorbance, transmittance, multiple wavelength, Spectra, Kinetic as well as concentration readings. Wavelength scan function with the identification of the most sensitive wavelengths should be available in the instrument.
System should have inbuilt programme methods like Arsenic, Alkalinity, Aluminum, Ammonia, Chloride, chlorine, Cadmium, chromium, COD, iron, Lead, fluoride, Nitrate, Nitrite, silica, Sulfate, TOC ,Triazole, Urea, Zinc etc.
<table>
<tr><td>Measuring technology</td><td>Spectrophotometer with reference beam technology</td></tr>
<tr><td>Wavelength range</td><td>190 – 1100 nm</td></tr>
<tr><td>Lamp type</td><td>Xenon flash lamp</td></tr>
<tr><td>Measuring modes</td><td>Concentration, absorbance, transmission, multi wavelengths, spectra and kinetics in absorbance and transmission mode</td></tr>
<tr><td>Pre-programmed methods</td><td>140 methods (Water Analysis)</td></tr>
<tr><td>Programmability</td><td>500 user Programmes</td></tr>
<tr><td>Spectral bandwidth</td><td>4 nm or better</td></tr>
<tr><td>Wavelength reproducibility</td><td>± 0.5 nm</td></tr>
<tr><td>Wavelength accuracy</td><td>± 1 nm</td></tr>
<tr><td>Photometric range</td><td>± 3.3 Abs</td></tr>
<tr><td>Photometric resolution</td><td>0.001 Abs, Transmission: 0.1%</td></tr>
<tr><td>Display</td><td>7“ high contrast colour graphic-display</td></tr>
<tr><td>Cell size</td><td>13 mm round cell,16 mm round cells, 24 mm round cell, 10, 20 and 50 mm rectangular cells with automatic recognition</td></tr>
<tr><td>Storage</td><td>5000 Data Points</td></tr>
<tr><td>Power supply</td><td>100 -240V AC / 50-60 HZ</td></tr>
</table>
Company should have ISO Certification.</td><td>01</td><td></td></tr>
<tr><td>I</td><td>3</td><td>BOD Analyzer with BOD incubator</td><td>
<table>
<tr><td>BOD Range</td><td>0-4000 mg/l , 6 Bottles</td></tr>
<tr><td>Measurement principle</td><td>Manometric; mercury-free; electronic pressure sensor</td></tr>
<tr><td>Result display</td><td>BOD [mg/l]; 4 - digits;
7 - segment LED</td></tr>
<tr><td>Measurement parameter display</td><td>BOD-range, volume, duration, time of measurement</td></tr>
<tr><td>Measurement period</td><td>User-selectable, between 1 and 28 days</td></tr>
<tr><td>Auto result storage</td><td>Up to 28 results, depending on measurement period</td></tr>
<tr><td>Storage interval</td><td>hourly (1 day); - every 2 hours (2 days); - daily (3-28 days)</td></tr>
</table>
</td><td>01</td><td></td></tr>
</table>

<table>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>Power supply</td><td>3 alkaline-manganese batteries ("Baby" cells/size "C")</td></tr>
<tr><td>Battery life</td><td>1 year (normal use as BOD5 meter - max. one reading a day); early warning before battery fails</td></tr>
<tr><td>Interface</td><td>RS 232 for printer or PC connection</td></tr>
<tr><td>Clock</td><td>Real-time clock</td></tr>
<tr><td>Protection class</td><td>IP 54 (sensor head)</td></tr>
</table>
System should be Double walled inside made of stainless steel and outer of mild steel duly powder coated. Two air circulation fans are provided for uniformity of temperature inside the chamber. Refrigeration is done by CFC free compressor. Temperature from 5°C to 50°C (± 0.5°C) controlled by digital temp. Controller cum indicator fitted with unbreakable Acrylic inside door. To operate on 220/230 volts A.C size of the system should be 4CFT (455 x 610 x 410mm), 112 Liters should be compatible with Automatic BOD Analyzer.
Company should have ISO Certification.
</td><td></td><td></td></tr>
<tr><td>I</td><td>4</td><td>Digital DO Meter (Bench Top)</td><td>
Bench top Microprocessor Dissolve Oxygen meter should be unique designed & developed as a complete workstation must include Meter with DO electrode, Integral Sensor holder/stand, DO electrolyte Solutions, User manual for quick start up.
Meter should have polar graphic electrode to measures dissolved oxygen in water.
Meter should be supplied with DO Probe, Membrane Cap, Electrolyte Solution, Power Adapter & Instruction Manual.
<table>
<tr><td>Dissolved Oxygen Range</td><td>0.00 to 20.00mg/L</td></tr>
<tr><td>Resolution</td><td>0.01 mg/L</td></tr>
<tr><td>Dissolved Oxygen Accuracy</td><td>± 0.3mg/L</td></tr>
<tr><td>Saturation of Oxygen</td><td>0 to 200.0%</td></tr>
<tr><td>Accuracy</td><td>± 2 %</td></tr>
<tr><td>Temperature Range</td><td>0 to 50 ˚ C</td></tr>
<tr><td>Temperature Compensation</td><td>0 to 40˚ C, Automatic</td></tr>
<tr><td>Salinity Correction</td><td>0 to 35g/L</td></tr>
<tr><td>Barometric Pressure Correction</td><td>450 to 850 mm Hg, 60 to 112.5 kpa</td></tr>
<tr><td>Calibration Point</td><td>1 or 2 points (100% in air or 0% in zero oxygen solution)</td></tr>
<tr><td>Power supply</td><td>DC 9V, using AC Adaptor 220 VAC, 50 Hz</td></tr>
</table>
Company should have ISO Certification.
</td><td>01</td><td></td></tr>
<tr><td colspan="2">Scheme – II</td><td colspan="4">GEOTECH/FOUNDATION LAB</td></tr>
<tr><td>Scheme Code</td><td>Item No.</td><td>Name of Item</td><td>Specifications</td><td>Qty.</td><td>Amount (in Rs.)</td></tr>
<tr><td>II</td><td>1</td><td>Permeability Apparatus</td><td>It should have mould 100mm dia X 127.3mm height X 1000ml volume, with collar of 100mm dia X 60mm High and drainage base plate, Drainage cap, Mettalic clamping ring, two porous stone for base and cap, Dummy plate, air release valve. With a set of three glass stand pipes approx.6mm, 10mm and 20mm dia X 1meter length mounted on a wooden board, the end of the glass tube should be serrated to connect rubber tube of 3 meter length with pinch cock.</td><td>01</td><td></td></tr>
<tr><td>II</td><td>2</td><td>Static Cone Penetrometer</td><td>It should have a 6” dial graduated from 0-400 in one tenth millimeter sub division should be supplied complete with adjustable needle holder, penetration needle, sample container, transfer dish and weight of 50gm. Container 70mm X 45mm, consisting of a vertical pillar mounted on a base designed with the leveling screws, the head together with dial plunger rod & sides on a pillar that can be clamped at any desired height, a rack & pinion & pointer assembly. For testing</td><td>01</td><td></td></tr>
</table>

			bituminous product and one each of 50g, 100g weight and for soil test cone with 30 deg angle, total weight of cone and plunger is 80gm. The unit should be compact with in-built timer too control duration of penetration preset in factory to 5 second.		
Scheme-III			**RCC LAB**		
Scheme Code	**Item No.**	**Name of Item**	**Specifications**	**Qty.**	**Amount (in Rs.)**
III	**1**	**Flow Table Test Apparatus**	• Conforming to IS-1199:1959 • Motorized Flow Table with steel table top 76.2 cm (30 inch dia.), • Hardened steel cam to lift and drop the table by 12.5 mm at a speed of 15 times in 15 seconds. • With one conical mould with handles, 12 cm height having 17 cm top internal diameter and 25 cm internal diameter at the base. • Supplied with one tamping rod: 6 mm dia × 600 mm long one end rounded. • Suitable to run on: Power: 750 W Voltage: 220-380V, 50 H_Z	**01**	
Scheme-IV			**SURVEY LAB**		
Scheme Code	**Item No.**	**Name of Item**	**Specifications**	**Qty.**	**Amount (in Rs.)**
IV	**1**	**Total Station**	**DOS based total station** Magnification: 30 X Angular accuracy: 5 Sec. Least count: 1 Sec. **Distance measurement** With prism: 4000m or better Without Prism: 350m or better **Compensator** Dual – axis compensator Range – 6' or better **Memory** Internal Memory: 5000 points or more **Accuracy** Distance accuracy with prism: 2 mm ± 2ppm or better. Distance accuracy without prism: 3 mm ± 2ppm or better **Display:** Single Side **Measuring Time** Fine: 0.9sec Rapid: 0.7sec Tracking: 0.3sec **Dust and Water Protection: IP66** **Battery Backup: 15 hours or better** **ACCESSORIES** – Battery (rechargeable) - 1 Nos, Battery charger - 1 No, USB Data Down loading cable - 1 No, Fiber Heavy duty tripod - 1 No, Prism - 1 Nos, Range Pole - 1 No, Data Downloading software.	**01**	
Scheme-V			**TRANSPORTATION LAB**		
Scheme Code	**Item No.**	**Name of Item**	**Specifications**	**Qty.**	**Amount (in Rs.)**
V	**1.**	**Benkelman Beam Apparatus**	As per Standard The equipment should consist of: Benkelman Beam: Beam Ratio: 2:1,Length of the probe arm from pivot to probe point 244cm, Length of measurement arm from pivot to dial 122cm. Distance from pivot to front legs 25cm. Distance from pivot to rear legs 166cm and latest spacing of front support legs 33cm. Dial Gauge 0.01 x25mm Spirit Level,Light weight construction in wooden case.	**01**	

V	**2.**	**Viscometer**	Instrument should be with energy regulator, should consists of bath with cup of 10 mm orifice and sleeve stirrer with ball lifting clip and ball. The bath should be fitted with an immersion heater to take the water to the required temperature and a drain valve. The temperature should be controlled by energy regulator. Power- 230V, AC single phase,Thermometer IP 8C/9C/ 10C Silver plated orifice cup 4mm. Measuring Cylinder 100ml./ Digital Stop Watch.	**01**	

ANNEXURE-II

I/We (Name)_____

Contractor / partner / sole proprietor (strike out word which is not applicable) or (Firm)/Company _____ do hereby solemnly affirm and declare that the individual firm / companies are not black-listed by the Union or State Government or any autonomous body.

DEPONENT

Address _____

_____

_____

I/We do hereby solemnly affirm and declare that the above declaration is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated:

DEPONENT

CHECK LIST DULY FILLED IN TO BE ATTACHED WITH PRE-QUALIFYING-CUM-TECHNICAL BID FOR THE EQUIPMENTS/ITEMS FOR CIVIL ENGINEERING DEPARTMENT IN CHANDIGARH COLLEGE OF ENGINEERING AND TECHNOLOGY (DEGREE WING) CHANDIGARH

1.	Whether EMD in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft valid for three months, for the asked-for amount attached?	Yes/No
2.	Whether tender documents duly signed by authorized signatory attached?	Yes/No
3.	Whether affidavit duly attested by Notary / Executive Magistrate regarding non-black listing of firm Attached?	Yes/No
4.	Whether a list of institutions / organizations where your firm has supplied this item / equipment / instrument recently, is attached.	Yes/No
5	If you are an authorized agent / dealer / distributor of the firm / company / manufacturer and whether authority letter as issued by them in your favour attached?	Yes/No
6.	Whether Technical broucher of the equipments attached?	Yes/No

Signature of authorized signatory
with seal of the firm