

Office of the Principal

Government Polytechnic, Bhagalpur

E-mail ID –bhag.gp@gmail.com, Website-www.gpbgp.org/

NIT NO. – GPB- 05/2024-25

NOTICE INVITING TENDERS

(Through e-procurement mode only – www.eproc2.bihar.gov.in)

1. Government Polytechnic, Bhagalpur has been established under the Department of Science, Technology and Technical Education, Government of Bihar to cater to the needs of technical education. The institute is providing technical education as per the norms set by the All-India Council for Technical Education (AICTE). The Government Polytechnic, Bhagalpur intends to invite bids from eligible entities supply of Machines and Equipments for Civil Engineering Lab from eligible entities/vendors through the two-bid system as per the requirements and terms and conditions mentioned in the tender document.
2. The contract will be offered by Government Polytechnic, Bhagalpur to the successful agency/bidder.
3. To participate in the e-tendering process, the bidder/agency should be registered with eproc2.bihar.gov.in.

4. **Schedule of Events:**

Sn.	Event Description	Timeline
3.1	Bid Submission Start Date	30/09/2024 at 10:00 AM on www.eproc2.bihar.gov.in
3.2	Last date & time of downloading the RFP	Till 21/10/2024 up to 5:00 PM, on eproc2.bihar.gov.in
3.3	Pre-bid meeting	08/10/2024 at 12:00 PM
3.4	Submission (upload) of online bidding document.	21/10/2024 till 5:00 PM, on eproc2.bihar.gov.in
3.5	Submission of EMD	Till 21/10/2024, 5:00 pm ONLINE through DD to Government Polytechnic Bhagalpur
3.6	Opening of Technical Bid	23/10/2024 on the eproc2.bihar.gov.in
3.7	Opening of Financial Bid	After Evaluation of Technical Bid.
3.8	Pre-bid meeting venue	Government Polytechnic Bhagalpur, AT+PO: Barari, Bhagalpur (Bihar)-812003
3.9	Contact person	Principal Government Polytechnic Bhagalpur Mobile No.: 9608007335 Email id: bhag.gp@gmail.com
3.10	Method of Selection	Least Cost Selection (LCS)

For further details please visit : www.state.bihar.gov.in/prdbihar

Principal

Government Polytechnic Bhagalpur

PR. No. 009513 (Sci. & Tech.) 2024-25

नशे से बचने का है एक ही उपचार, दृढ़ संकल्प और परिवार से प्यार।



REQUEST FOR PROPOSAL

RFP for Supply of Machines and Equipments for
Civil Engineering Lab at Govt. Polytechnic,
Bhagalpur.

RFP Number: 05/2024-25

Issued on 27/09/2024

Government Polytechnic, Bhagalpur

AT + Post Barari, Bhagalpur Bihar – 812003

Department of Science Technology and Technical Education

Government of Bihar

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1. Abbreviations and Definitions

Abbreviations	Descriptions
AP	Access point
DSTTE	Department of Science, Technology and Technical Education
DSC	Digital Signature Certificate
EMD	Earnest Money Deposit
FAT	Final Acceptance Test
GST	Goods & Service Tax
INR	Indian Rupees
LOI	Letter of Intent
NIT	Notice Inviting e-Tender
PBG	Performance Bank Guarantee
PAN	Permanent Account Number
PSU	Public Sector Undertaking
SLA	Service Level Agreement
UOM	Unit of Measures

2. Name of Work: Supply of Machines and Equipment for Civil Engineering Lab at Government Polytechnic, Bhagalpur

With reference to the above subject tenders are invited from Government Polytechnic, Bhagalpur, Vill + Post:- Barari Bhagalpur Bihar - 812003 for Supply of Machines and Equipments for Civil Engineering Lab. The tender must meet the following minimum requirements to qualify.

1. The Bidders/OEM are requested to go through the tender documents carefully and ensure exact compliance with all specifications/instruction-herein.
2. Bidders/OEM should have wide network of branches, associates and authorized dealers in India having sufficient number of expertise manpower and deep experience in the similar job, so that they can provide successful operation, maintenance, emergency repair as and when required at the site of Government Polytechnic, Bhagalpur.
3. Bidders/OEM must have record of supplying machines in institution of India & the same record should be attached. The manufacturers/suppliers who have supplied the items to IIT/NIT/Government Engineering Colleges/Govt. Polytechnic/such type of other Govt. Institute.
4. (a) Bidders/OEM should be the manufacturer/authorised dealer. Letter of authorization from original equipment manufacturer on the same & specific to the tender should be enclosed.

(b) An undertaking from the original manufacturer is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well
5. The bid should be valid for 180 days only from the date of opening of financial bid.
6. The machine should be delivered and installed, within the period as specified in the purchase order unless otherwise as prescribed.
7. Bidders/OEM must give the comprehensive onsite warranty as required from the date of successful installation of machine, equipment and associated accessories against any Manufacturing defected and also give the warranty declaration that "Everything to be supplied by us here under shall be from all defects and in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender documents".
8. All costs incurred by the bidder in preparation of the tender shall be at entire expense of the Bidders/OEM and includes all taxes.
9. Compliance of Specifications as per BOQ must be strictly followed.

3. Notice Inviting Tenders

1. Government Polytechnic, Bhagalpur has been constituted under the Department of Science, Technology and Technical Education, Government of Bihar to cater to the needs of technical education. The Government Polytechnic, Bhagalpur intend to invite bids from eligible entities supply of Machines and Equipments for Civil Engineering Lab.
2. The contract will be offered by Government Polytechnic, Bhagalpur to the successful agency/bidder.
3. To participate in the e-tendering process, the bidder/agency are required to get themselves registered with eproc2.bihar.gov.in.

4. Schedule of Events:

Sn.	Event Description	Timeline
4.1	Bid Submission Start Date	30 September 2024 at 10:00 AM on the www.eproc2.bihar.gov.in
4.2	Last date & time of downloading the RFP	Till 21 October 2024 up to 05:00 PM, on www.eproc2.bihar.gov.in
4.3	Pre-bid meeting	08 October 2024 at 11:00 AM
4.4	Submission (upload) of online bidding document.	21 October 2024 till 05:00 PM, on www.eproc2.bihar.gov.in
4.5	Submission of EMD	Offline by 21 October 2024 to "Principal office Government Polytechnic, Bhagalpur"
4.6	Opening of Technical Bid	23 October 2024 on the www.eproc2.bihar.gov.in
4.7	Opening of Financial Bid	After Evaluation of Technical Bid.
4.8	Pre- bid meeting venue	Government Polytechnic, Bhagalpur, Vill + Post Barari Bhagalpur Bihar - 812003
4.9	Contact person	Principal, Government Polytechnic, Bhagalpur Mobil no : 8340244983 Email ID: bhag.gp@gmail.com
4.10	Method of Selection	Least Cost Selection (LCS)

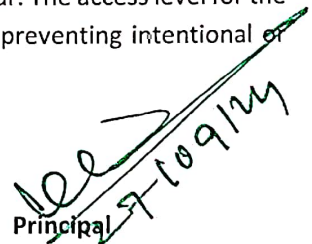
Note

- i.) Interested bidders may obtain further information about this Notice Inviting Tender (NIT) from the office of Government Polytechnic, Bhagalpur
 - ii) No tender will be accepted after closing date and time in any circumstances.
5. Bidder may also download the tender document available from eproc2.bihar.gov.in and submit the tender by using the downloaded document.
 6. The Government Polytechnic, Bhagalpur will select the bidder based on Least Cost Selection (LCS) method for supply of Machines and Equipments for Civil Engineering Lab.
 7. The tender shall be accompanied by Earnest Money Deposit (EMD) of Rs 75000/- (Seventy-five thousand rupees only) in the shape of Demand Draft from any Schedule Bank in favour of Principal, Government Polytechnic, Bhagalpur
 8. The technical and financial bids must be submitted through www.eproc2.bihar.gov.in before the date and time specified in the tender document. The Government Polytechnic, Bhagalpur doesn't take any responsibility for the delay / Non-Submission of Tender / Non-Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic/ Holidays, or any other reason.
 9. The bidders shall submit their eligibility and qualification details, Certificates as mentioned in the tender document, in the online standard formats given in eproc2.bihar.gov.in at the respective stage(s) only.

10. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids and other certificate /documents in the eproc2.bihar.gov.in.
11. The bids must be uploaded (e-mode/online) at the eproc2.bihar.gov.in.
12. All prospective bidders may attend the Pre-Bid meeting. The venue, date and time are indicated in Schedule of Events as in above **section 4**.
13. The Earnest Money should be deposited on or before the closing date & time indicated above in the Government Polytechnic, Bhagalpur, failing which the tenders will be treated as late tender and would be summarily rejected. Proof of the same shall be uploaded on the eproc2.bihar.gov.in during the bid submission.
14. In the event of any of the above-mentioned dates being declared as a holiday/ closed day for the Government Polytechnic, Bhagalpur the tenders/EMD will be opened/received on the next working day at the scheduled time.
15. Government Polytechnic, Bhagalpur reserves the right to accept or reject any or all tender or change the terms and condition of NIT or cancel the NIT without assigning any reasons at any stage and time.
16. For further enquiry and information, contact Er. Manoj Kumar, HOD-Civil Engineering, Mobile No: +91-9801339980 during office hours 10:00 AM to 05:00PM.
17. All further notifications/Corrigendum/Addendum if any shall be posted on eproc2.bihar.gov.in.
18. When reading this document if you identify any errors or omissions, please advise Government Polytechnic, Bhagalpur in writing, in 7 calendar days from the date of publication of the tender by giving a brief description of the problem, its location within document and your contact details.

Confidentiality

This document contains privileged and confidential information pertaining to the "Supply of Machines and Equipments for Civil Engineering Lab" at Government Polytechnic, Bhagalpur. The access level for the document is specified above. The addressee should honour access rights by preventing intentional or accidental access outside access scope.


Principal

Government Polytechnic, Bhagalpur

4. Instruction to Bidders

- a. Government Polytechnic, Bhagalpur invites Proposals from experienced and eligible for supply of Machines and Equipments for Consultancy Works for Civil Engineering work department.
- b. The bidder shall submit his bid/tender on eproc2.bihar.gov.in.
- c. The bidder may use their Digital Signature Certificate (DSC) if they already have. They can also take Digital Signature Certificate (DSC) from any of the authorized agencies.
- d. For user-id they must get registered themselves on eproc2.bihar.gov.in and submit their bids online. Offline bids shall not be entertained by the Tender Inviting Authority (TIA).
- e. Bids not submitted, as per the above Performa / Instructions mentioned in this RFP document, will be summarily rejected.
- f. The bidders shall submit their eligibility and qualification details, technical bid, financial bid, etc., in the online standard formats given on eproc2.bihar.gov.in.
- g. The bidders shall upload the scanned copies of all the relevant certificates, documents etc. with indexing and paging, in support of their eligibility criteria / technical bids and other certificates /documents on the eproc2.bihar.gov.in.
- h. The bidder shall digitally sign the supporting statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity. The bidder shall attach all the required documents for the specific tender after uploading the same during the bid submission as per the tender notice and bid document.
- i. The rate quoted by the bidder shall remain same throughout the contract period including any extension thereon. No increment in rates would be permitted in any circumstances.
- j. The Bidder is obliged to work closely with Government Polytechnic, Bhagalpur, act within its own authority and abide by directives issued by Government Polytechnic, Bhagalpur from time to time.
- k. All the required documents should be attached at the proper place and with proper nomenclature (as mentioned in the e-forms) otherwise the tender of the bidder will be rejected.
- l. The bid (technical and financial details of the bidder) shall be submitted on or before the last date of submission in online mode only. Tenders submitted after the stipulated date & time (closing date and time for uploading the tender and submission of EMD as mentioned in Clause 3, Notice Inviting Tender (NIT)) shall not be considered and would summarily be rejected.
- m. The decision of Government Polytechnic, Bhagalpur in regard to interpretation of the Terms & Conditions and the Agreement shall be final and binding on the bidder.
- n. In case of any disputes, the decision of the principal, Government Polytechnic, Bhagalpur shall be binding and final, agreeable in full by both the parties. Any legal disputes shall be subject to Bhagalpur jurisdiction.
- o. Any change/corrigendum/extension of closing/ opening dates in respect of this RFP shall be issued through website only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit Government Polytechnic, Bhagalpur website for updates.
- p. All available technical literature, catalogues, and other data in support of the specifications and details of the items should be furnished along with the offer.
- q. Samples of any product, if called for, should be submitted free of all charges by the tenderer and Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expenses.
- r. Machines and Equipments offered should strictly conform to the specifications. Also provide catalogues, technical literature, and sample, whatever necessary along with the quotation. Test certificates wherever necessary should be forwarded along with supplies.
- s. The bidder will be liable to replace if any hardware/parts found faulty during the contract period without any extra cost during the warranty period.
- t. The bidder has to arrange necessary insurance coverage to the workmen/machines/equipment's etc deployed by him and shall arrange necessary safety measures before starting the work.

- u. In the case of more than one Bidder has quoted same minimum price the bid shall be evaluated through a lottery system and the videography of the complete process shall be kept as a record (as per order no 2988, dated 24.03.2023 of the Department of Finance, Government of Bihar – Annexure -5).
- 5. **Tendering Expense**
The bidder shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and subsequently processing the same. The Government Polytechnic, Bhagalpur shall in no case be responsible or liable for any such cost, expenditure etc. regardless of the conduct or outcome of the tendering process.
- 6. **Right to Accept Any Offer and to Reject Any or All Offers**
Government Polytechnic, Bhagalpur reserves the right to accept or reject any tender offer, and to terminate the tendering process and reject all tenders at any time prior to award of contract, without thereby incurring any liability to the affected vendor(s) or any obligation to inform the affected vendor(s) of the grounds for such action.
- 7. **Language of the tender**
The tender submitted by the bidder and documents relating to the tender shall be written in the English language only.
- 8. **Taxes**
The Bidders shall fully familiarize themselves about the applicable domestic taxes (such as GST, income taxes, duties, fees, levies, etc.) on amounts payable by the Purchaser under the resultant Agreement. All such taxes must be included by Bidders in the financial proposal.
- 9. **Concessions permissible under statutes**
Government Polytechnic, Bhagalpur while quoting against this tender, must take cognizance of all concessions permissible, if any, under the statutes and ensure the same is passed on to the Purchaser, failing which it will have to bear extra cost. In case Bidder does not avail concessional rates of levies like customs duty, excise duty, Cess etc. Government Polytechnic, Bhagalpur will not take responsibility towards this.
- 10. **Amendments to Tender Documents**
At any time prior to the deadline for submission of tenders, the Government Polytechnic, Bhagalpur may, for any reason deemed fit by it, modify the tender document/s by issuing suitable amendment(s) to it. Such an amendment will be notified on Government Polytechnic, Bhagalpur (<https://gpbgp.org>) website and the same shall be binding to all prospective bidders. Government Polytechnic, Bhagalpur will not issue any separate communication in this regard.
- 11. **Pre-Bid Meeting**
To provide response to any doubt regarding terms and conditions, scope of work and any other matter given in the tender document, a pre-bid meeting has been scheduled to be held in the office of Principal, Government Polytechnic, Bhagalpur. The clarification sought by representative of prospective bidders shall be responded appropriately. However, they shall clarify and will be asked to submit their written request by close of office next working day. The Government Polytechnic, Bhagalpur shall upload written response on the Government Polytechnic, Bhagalpur (<https://gpbgp.org>) website to such requests for clarifications, without identifying its source. In case required, amendments issued, shall be binding on all prospective bidders. Further, the issue raised having been clarified shall be final. Bidders are advised to visit the Government Polytechnic, Bhagalpur (<https://gpbgp.org>) website regularly for any updates/ corrigendum/ amendments etc.

12. Earnest Money Deposit (EMD)

- a) The tender shall be accompanied by **Earnest Money Deposit (EMD) of Rs 75,000/- (Seventy Five thousand rupees only)** in the shape of Demand Draft from any Schedule Bank in favour of Principal, Government Polytechnic, Bhagalpur must be submitted offline, as per the terms and conditions mentioned in this document. EMD should not have been issued on a date later than the last date for submission of bidding document i.e.21/10/2024)
- b) The EMD of unsuccessful bidder will be returned to them without any interest, after execution of the contract. The EMD of the successful bidder will be returned without any interest, as per the terms of contract.
- c) The EMD shall be forfeited by Government Polytechnic, Bhagalpur hereunder or otherwise, under the following conditions:
 - If a bidder engages in a corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice.
 - If a bidder withdraws its bid during the period of bid validity as specified in this Tender and as extended by the Government Polytechnic, Bhagalpur from time to time.
 - In the case of selected bidder, if it fails within the specified time limit:
 - i. to sign the contract and/or
 - ii. to furnish the Performance Security (PS), before signing the contract agreement, within the period prescribed in the Letter of Intent (LoI).

13. Signing of the Contract

The Contract document/Agreement between Government Polytechnic Bhagalpur and selected bidder should be executed within 21 days of the issue of the Letter of Intent (LoI). The selected bidder will have to submit the Performance Security (PS), as applicable before signing of the agreement. Non-fulfilment of this condition will result in cancellation of the award and forfeiture of the EMD with consequential action if so desire.

14. Duration

The contract, if awarded, shall be valid for a period of one year from the date of award. In case of breach of contract or in the event of not fulfilling the minimum requirements/ statutory requirements, Government Polytechnic Bhagalpur shall have the right at any time to terminate the contract forthwith in addition to forfeiting the Performance Security amount deposited by the bidder and initiating administrative actions for blacklisting, etc.

15. Modification to Contract

The contract when executed by the parties (Government Polytechnic Bhagalpur and the bidder) shall constitute the entire contract between the parties (Government Polytechnic Bhagalpur and the bidder) in connection with the services and shall be binding upon the parties (Government Polytechnic Bhagalpur and the bidder). Modification, if any, to the contract shall be in writing and with the consent of both the parties (Government Polytechnic Bhagalpur and the bidder) and not otherwise.

16. Performance Security

- a. The successful bidder shall have to furnish a performance security equivalent 2% of the Project cost, in the shape of a Bank Guarantee issued by a scheduled Bank in favour of Principal, Government Polytechnic Bhagalpur. The Bank guarantee shall be as per proforma at "Annexure 3" and remain valid for a period, which is six months beyond the date of expiry of the contract. The Performance Security will be returned to the bidder, upon validation of completion of all contractual obligations including warranty.
- b. The performance security should be submitted before executing the contract /signing of the contract document positively.

c. If the bidder violates any of the terms and conditions of tender document of this Notice Inviting Tender/Tender in any manner, the Performance Security shall be liable for forfeiture, wholly or partly, as decided by the Government Polytechnic Bhagalpur and the contract may also be cancelled/terminated. Further, the bidder may be blacklisted for a reasonable period as decided by the Department of Science, Technology and Technical Education/ Government Polytechnic Bhagalpur.

17. Bid Validity

The submitted bids shall remain valid for a period of 180 days after the date of submission.

18. Payment Schedule

Payment will be done after installation & satisfactory demonstration.

19. Technical Evaluation criteria

The technical bid will be evaluate as per all mentioned Terms & Conditions (S. No-26), ATC (Sn.No-27) and Annexure-1

20. Financial Evaluation (As per Annexure 2)

Financial bids shall be opened only for the vendors whose bids are found to be Technically fit/ substantially responsive and complying with minimum eligibility criteria.

- i) Government Polytechnic, Bhagalpur will open the financial bids of only Technically Qualified bidders as per eproc2.bihar.gov.in.
- ii) Discrepancy in the financial bid, it will be dealt as per the following:
 - a. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail, and the total shall be corrected.
 - b. If there is a discrepancy between words and figures, the amount in words shall prevail.
 - c. If there is gross price not quoted for each and every machines & equipments the gross amount shall prevail.
- iii) Of all the Financial Bids opened, the bidder whose financial bid is lowest (hereby referred to as L1 bidder) will be considered eligible and award of contract.
- iv) In the case of more than one Bidder has quoted same minimum price the bid shall be evaluated through a lottery system and the videography of the complete process shall be kept as a record (as per order no 2988, dated 24.03.2023 of the Department of Finance, Government of Bihar – Annexure -5).

21. Bill of Quantity

NAME OF LAB-SURVEYING				
S. No.	Name	Specification	UOM	Quantity
1	Direct reading transit theodolite 2" with tripod	Angular accuracy- 2" Telescope. Min magnification- 30 X Min objective aperture -45 mm. Minimum focusing vial 30"(/2mm) or better, Sensitivity of circular level vial 8(/2mm) or better. Display LCD both side. Lummet-laser/optical	No's	5

2	Dumpy level with tripod	Min Telescope length- 228mm, Min diaphragm Etched on glass with stadia 1:100, Screw Focusing eye piece, Highly sensitive spirit bubbles, aperture not less than 3.76cm . Min Magnification 38 X, Magnetic compass, longitudinal bubble	No's	5
3	Prismatic compass with tripod	Aluminium ring, Magnetized needle, automatic lifter and prism readin, hinged coloured shades and reflector, tripod stand, Aluminium Stand.	No's	10
4	Cross Staff	Cross Staff Wooden 4"x4"x2" with steel Pole	No's	2
5	Optical Square	Optical Square PWD Pattern	No's	10
6	Ranging Rod (Steel) 4m	Socket type (30mm Dia.) : : made of Steel conduit pipe alternatively painted black and White or red and white. Fitted with Strong shoe at the bottom, Size 4 Mtr	No's	20
7	Ranging Rod (Steel) 3m	Socket type (30mm Dia.) : : made of Steel conduit pipe alternatively painted black and White or red and white. Fitted with Strong shoe at the bottom, Size 3 Mtr	No's	20
8	Leveling Staff (4m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	No's	10
9	Leveling Staff (5m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	No's	10
10	Leveling Staff (6m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	No's	10
11	Engineers Measuring Chain 30m	10 arrows made of 8 SWG Wire (Size Dia. 4mm & L. 30cm)	No's	5
12	Metallic Tape 30m,	Measuring Metallic Tape	No's	5
13	Arrows (Metal)	Arrows made of 8 SWG wire	No's	20
14	Mallet and pegs (wooden)	Wooden peg and Mallet	No's	5
15	Spirit Level	BRASS MADE SIZE 6"	No's	5
16	Invar Tape 30m	FIBER GLASS TAPE of Length 30M	No's	2
17	Surveyor compass	Surveyor compass with all accessories	No's	2
18	Stand	standard stand	No's	3

19	Chain	Engineers Measuring chain 30m made of SWG Nos. 8 with 100 links Size 30m Long with 150 links 15 arrows	No's	
20	Metallic Tape 10m,	Measuring Metallic Tape	No's	5
21	Pegs	Pegs (wooden)	No's	50
22	Hammer	Hammer (1 kg)	No's	5
23	Plane Table and its accessories	Plane table with accessories Size (750*600)mm * 15mm Thickness. Sight vane, Size 600mm, made of brass of 2mm thickness, in wooden box magnetic compass, size 150mm, made of aluminium alloy, in wooden box. Plumb Bob made of Steel with suspending cord plumbing Fork, Made of Aluminium. Spirit Level made of aluminium in wooden box strong canvas carrying case This plane Table set is supplied along with aluminium telescopic Stand	No's	
24	Metallic Tape 5m,	Measuring Metallic Tape	No's	5
25	Prism Square	To lay off right angles that are multiples of 90 degree or of 45 degree	No's	5
26	Clinometer	This manipulative is to measure angle of elevation or depression of any objected. This model can be used to find height and distance of a building etc. Provided in durable box. Optical adjustment for reading	No's	2
27	Tachometer	Specification : 5 digit 18 mm (0.6") white backlight LCD accuracy $\pm(0.05\% + 1\text{digit})$ Sampling time : 0.5sec(over 120RPM) Range Select : Auto-switch Memory : Max. Value. Min. Value, last value can store 96s data time base. 6MHz Quartz crystal Detecting Distance : 50-50mm Power Consumption : Approx. 55mA Measuring range : 2.5-99999RPM Resolution 0.1RPM (2.5-999.9RPM) 1RPM(over1000RPM) Total Test Range : 1-99999 Frequency Range: 1-1666.6Hz Resolution: 0.01Hz time Base Accuracy 10x10-6(0-50degree C.) Power: 3x1.5V AA battery	No's	2

Concrete Technology Lab.

1		Material of Construction: Special quality low carbon mild steel.		2
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	Compaction Factor Apparatus	Paint quality:-Powder coating 70-80 micron thick for determination of workability determination of concrete mixes of very low workability such as those normally used with concrete, compacted by vibration. Concrete mix having maximum size of aggregate not exceeding 38 mm, can be tested for workability. Compaction Factor Apparatus is complete with hoppers and receiver assembly, Tamping Rod of 16 mm dia x 60 cm long having a Hooper and two trowels. As per IS- 1199, 5515 & BS 1881-103	No's	
2	Slump Test Apparatus	Slump Test Apparatus with testing rod and base plate, consisting of Slump Cone, Base plate (200mm and height 300mm) with swivel handle, Tamping rod steel, 16 mm dia x 600 mm length as per ISI 7320	No's	5
3	Vee bee Consistometer	Material of Construction:Special quality low carbon mild steel with good paint quality Vibrator Table : Min 380*260. Four rubber shock absorbers with A.C. supply motor 415 volts, 3 phase, One metal pot, One slump cone, One swivel arm with metal cone, One graduated rod, One perspex disc. One tamping rod as per IS 1199	No's	2
4	Cement Mortar Moulds	Cement Mortar Mould, Steel, for 70.6mm cube with ISI certification mark, IS:10086, machined with a permissible variation of 0.15mm and finished within tolerances of +0.15mm - 0.10mm	No's	20
5	Cylindrical Moulds	Cast Iron, Split Lengthwise 150mm dia x 300mm high with baseplate and top plate	No's	10
6	Cube Moulds	Cast Iron, for 150mm Cube with ISI Certification IS:10086 Angle between adjacent interior faces and between interior faces and top and bottom plates of mould-90+/-0.5Deg length of base plate -Min. 280mm Width of base plate -Min. 215mm Machined flat to +/- 0.02 mm of accuracy and finished to within +/- 0.2 mm of specified dimensions. Approx wt minimum 14kg	No's	25
7	Le Chatelier Flask	Le-Chatelier Flask, determination of specific gravity of hydraulic cement as specified in IS:4031-1968.	No's	5
8	Le-Chatelier Apparatus	Le-Chatelier Mould with IS 269, 712 6392 Part-IX. This unit comprises of a metal sleeve with a hook and set of screw to fit over one of the mould pointers and a clamp to fit on to the other pointer of the mould.	No's	5

9	Le-Chatelier Water Bath	Le-Chatelier Water Bath with Controller Min. size 12"x9"x12".made of stainless steel, complete with removable rack to hold min. 6 moulds.	No's	1
10	Standard Vicat's Apparatus	Vicat Apparatus with ISI Certification Mark, IS:5513.	No's	5
11	Flexure Strength Testing Machine	Flexure Testing Machine Electrically Operated, Material of Construction: Weight of the Load Frame: Min. 130kg Hydraulic System: With Min. 15 liters, hydraulic oil feed and fuel pump separately, 0.5 hp, 1 Ph, 220V AC motor driven two-speed hydraulic pump. Standard confirm to:- Conforms to IS 516 and IS : 14858, Machines conforming to ASTM C39.	No's	1
12	Cement Tensile Testing Machine	Testing Machine: Ref. standard - EN-196-1 Loading speed of the double lever system: 50 +/- 10 N/Sec, Flexure jaw diameter of the loading roller: 10mm Supporting roller diameter: min. 10mm Baffle plate span: 46mm	No's	1
13	Needle Vibrator	Immersion Type Needle Vibrator, Electrically Operated, Motor-Single Phase 2HP, Needle Dia-40mm Length (including Needle) 4-5 Mtrs.	No's	1
14	Digital Weighing Balance	Electronic Balance, Capacity Min: 20kg \pm 2g	No's	1
15	Digital Platform Balance	Electronic Balance, Capacity Min: 100kg \pm 10g	No's	1
16	Cement autoclave	As per IS:4031 (Part - 3) Suitable for conducting accelerated soundness tests on Cement or the Autoclave expansion test. Stainless Steel Pressure Vessel with insulated outer shell. Pressure controled through micro processor based PID controller. Equipped with spring loaded safety valve pressure gauge, PID controller with RTD for control of Heater unit. • Three fold safety mechanism • Reliable silicon rubber lid sealing gasket Working Pressure : 21 \pm 1kg / cm at 215° C Pressure Vessel : ID 150mm X Depth 500 mm Weight : 70 Kg Heater : 2000 Watts Supply : 220V, 50Hz, 1 phase Machine supplied with :- Rubber Gasket, Viton 1 No.	No's	1

		Pressure Gauge, 0-42kg/cm Temperature Controller with Sensor Shrinkage Bar Mould, four compartments with smooth reference point, Length Comparator Digital		
17	Trowel	made of iron, standard size	No's	10
18	spatulla	100mm, 150mm, 200mm blade of iron	No's	10
19	guinia	made of iron, 200mmx 100mm metallic	No's	10
20	spirit level	digital, made of brass	No's	10
21	Floor Tile testing machine (Flexure and abrasion) with all accessories	Size: 280×150×100mm: Voltage 220 V: Displacement measurement error ≤0.01mm, Temperature record value error: ±1%	No's	1
22	Weight	2kg, 1kg, 100g, 200g, 50g, 500g	Set	1
23	Weight Hanger	Provided with hook, made of steel	No's	1
24	steel scale	300mm size	No's	5
25	Micrometer	0.25mmX0.1mm	No's	2
26	Thickness and Length Gauge for Flakness and Elongation Index	material - SS, Application Thickness & Length Gauge	No's	5
27	I.S. Sieves Set	Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36 mm, 1.18mm, 600 micron, 300 micron, 150 micron and 75 micron as per IS 460	No's	2
28	Rebar Detector	cover Range (upto 170 mm) body material Plastic, Power 2 pcs AA Batteries	No's	1
29	Enfflorscence Test apparatus	Material Plastic, shape (Round) Temp (20 - 30 degree C), Length (150 mm diameter and Glass dish containing 25 mm Depth)	No's	1
30	Automatic Mortar Mixer,	Automatic/Manual Mortar Mixer, 4.75 litre nominal capacity (Bowl)	No's	1

	Digital, Capacity 5 L	<p>Application: Preparation of standard prisms with Automatic/Manual mixing procedure in accordance with IS:10890, EN 196-1 & EN 196-3 This apparatus has specially been designed to prepare cement mortar for strength determination as specified in IS:4031. It can also be used in mixing lime with pozzolonic materials for determination of lime reactivity (as per IS: 1727) and for uniform mixing of soils with additives such as lime, cement, etc.</p> <p>Special Features :</p> <ul style="list-style-type: none"> • Water Burette • Choice of automatic mixing cycles as per EN Standard • Automatic or Manual modes • User defined Mixing cycle • Microprocessor Control • Sand Dispenser <p>The mixer is designed to mix mortars and cement pastes primarily to the requirements of EN 196. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by means of a soft touch button, without switching off the motor. In the automatic mode any one of the pre-set mixing programmes may be selected.</p> <p>It has been designed to prepare cement mortar for strength determination as specified in IS: 4031. It can also be used in mixing lime with pozzolonic materials for determination of lime reactivity (as per IS: 1727) and for uniform mixing of soils with additives such as lime, cement.</p> <p>Standard Supply includes:</p> <p>Basic unit with stainless steel mixing bowl and stirrer, Program controller with status indicators to run the Mixer in fully Automatic or Manual mixing mode.</p> <p>Low Speed 140\pm5 , 62\pm5 High Speed 285\pm10, 125\pm10 Suitable for operation on 220V, 50Hz, single phase, AC supply.</p>		
31	Rebar Locators, Diameter and	COVERMETER WITH STANDARD SEARCH HEAD Operating temperature 0 to 50°C (32 to 120°F)	No's	1

	Cover Meters with software	<p>Power supply 7.4V battery pack provides up to 32 hours of continuous use (20 hours if backlight is on).</p> <p>Rechargeable in 4 hours, using an external charger, either inside or outside the gauge.</p> <p>Dimensions 230 x 130 x 125mm (9 x 5.1 x 4.9")</p> <p>Weight 1.6kg</p> <p>Range 40mm / 1.6" bar 15mm to 95mm / 0.6" to 3.75"</p> <p>8mm / 0.3" bar 8mm to 70mm / 0.3" to 2.75"</p> <p>Dimensions 155 x 88 x 42mm / 6.1 x 3.5 x 1.65"</p> <p>Sensing area 120 x 60mm / 4.72 x 2.36"</p> <p>Elcometer 331B Covermeter, standard search head & search head connecting cable, rechargeable</p> <p>battery pack & charger (UK, US & EU), earphone, shoulder strap, plastic carry case & operating instructions.</p>		
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PHE (Public Health Engineering) Lab

1	pH meter	20 x 2 line back lighted LCD display., pH Meter complies to USP and DIN standards, alphanumeric splash waterproof polyester keyboard with soft keys., Range 0° to 150° C.	No's	1
2	Turbidity meter	0 - 10,000 NTU , ± 2% of reading plus 0.01 NTU (0 to 1000 NTU) ± 5% of reading (1000 to 4000 NTU) ± 10% of reading (4000 to 10,000 NTU) , Response Time: less than 6 seconds, Sample Size: 30ml, Operating Temperature: 0° - 50°C	No's	1
3	Test tube	Glass Test Tube - 150 mm tall x 16 mm with 14 mm inside diameter. Approximate volume is 22 mL. Borosil	No's	24
4	MAGNETIC STIRRER WITH HOT PLATE	<p>Number of stirring Positions: 1</p> <p>Calibration: Automatic Calibration</p> <p>Type of Drive Motor: Motorless magnetic coil type Display Option/Output Read out Option: Digital</p> <p>Magnetic stirrer is: with a hot plate or some other means for heating the liquid</p> <p>Controller type: Electronically controlled and Programmable Speed Control Accuracy of set speed (+/-) (RPM): 0 Maximum Stirring capacity per position: 2000 milliliter</p> <p>Ceramic Top Plate Material, Digital Front Panel, Last run memory</p> <p>CE certified Product (seller to furnish supporting document to Buyer on demand)</p> <p>SPEED</p>	No's	1

		<p>Speed Mode: Variable Speed Minimum Speed Possible (RPM): 50</p> <p>Maximum Speed (RPM) of variable speed mode equipment: 1600</p> <p>DIMENSIONS</p> <p>External Dimension: (Height)200 millimeter</p> <p>External Dimension: Width 200 millimeter</p> <p>External Dimension: Depth: 50 millimeter Body Material: Stainless Steel</p> <p>Finish of Body material: Powder coated Top plate Finish: Ceramic coated</p> <p>STIR BAR</p> <p>Stir bar cover material: PTFE QUOTED ALNICO MAGNET Stir Bar length: 200 millimeter</p> <p>TOP PLATE</p> <p>Top plate area shape: Circular</p> <p>Circular Top plate diameter: 1000 millimeter</p> <p>Top plate Finish: Ceramic coated</p>		
5	Burette	50 ml, made of Borosil	No's	6
6	Burette. stand with rod,clam & boss head	Base 8" x 5", Rod 2411 long, 1.1tree finger clamp	No's	10
7	Conical Flask	250 ml, made of Borosil	No's	6
8	Pipette,	25 ml, made of Borosil	No's	10
9	Rubber gloves,	Nitrile rubber (L Size)	Box	4
10	Apron	White Cloth Lab Apron (M size)	No's	5
11	Fluoride Ion Meter (with Fluoride electrode)	<p>TYPE / NOMENCLATURE / PROTECTION</p> <p>Type of Meter / Analyzer: Bench Type</p> <p>Functional nomenclature: Multi Parameter Water Quality Analyzer Ingress Protection (Main Unit): IP 56</p> <p>Calibration: Automatic</p> <p>COMPENSATION / CORRECTION</p> <p>Temperature correction: Automatic Salinity Correction: Automatic</p> <p>DISPLAY / STORAGE</p> <p>Type of Display: LCD with Backlight Display Digit Size: 30 millimeter Number of Digits in Display: 5</p> <p>Number of parameters displayed simultaneously: 3 Memory (in Data Sets): 500</p> <p>Internal memory (GB): 64</p> <p>Date /time Stamp in Entries: Yes Connectivity interface: USB, RS 232</p>	No's	1

		Power Source: Alkaline Batteries (Non-Rechargeable), Mains (230 \pm 10 Volts / 50 Hz AC) Battery Size, if Non Rechargeable Battery: AA Battery Chemistry, if Rechargeable Battery: Li-ion Voltage of each Battery 1.5 Volt Number of Batteries required for operation: 4 Number of Batteries Inclusive in the Scope of Supply: 4 Battery Capacity (mAh): 800 Battery Life: 800 hour Suitable Adapter to be supplied to make the equipment Work on 230 V \pm 10 %, 50 Hz: Yes		
12	Prestaltic pump	Flow range – 0.1 ml/hr to 1000 ml/hr Accuracy – \pm 2% Digital display of functions and time Auto-stop with audible alarm Battery back-up stores memory in case of power failure.	No's	1
13	High Volume Air Sampler	Flow Rate 39 to 60 cfm for MFC; typically 42 to 45 cfm for VFC; Volumetric Flow Control Accuracy \pm 1% deviation over 24-hr period; Power Requirements 110/220 \hat{A} \pm 10V, 100W; Precision of Pressure Stabilization 0.05 Mpa; Flow/pressure recorder with circular charts, 4" (10 cm) dia.; range 10 to 65 cfm	No's	24
14	Nessler Tube	Borosil glass, 3.3mm thick, and 100ml capacity	No's	6
15	Glass test tubes	Glass Test Tube - 150 mm tall x 16 mm with 14 mm inside diameter. Approximate volume is 22 mL. made of Borosil	No's	24
16	Laboratory hot air oven	Digital laboratory oven (18"x18"x18"), Hot oven 450mm digital	No's	1
17	Thermometer	Digital display, accuracy \pm 1°C	No's	3
18	Vertical Autoclave	Product: Vertical Autoclave. Pressure: 10-20 Psi, Usage: Laboratory, Power Rating: 1.5 KW, Size: 22L, Outer Material: Mild Steel, Inner Material: Stainless Steel	No's	1
19	Filtration Assembly With Oil Free Vacuum Pump	filtration assembly consisting of suspended solids filter holder with filter support for 47 mm dia and borosil glass filtration flask, capacity 1 ltr vacuum pipe, oil free vacuum pump, 1. Oil free vacuum pump 25 ltr, 2. ss holder 47 mm, 3 glass flask 1000ml	Set	1
20	Petri Dish	Borosilicate Glass Petri Dish 90mm	No's	10
21	Silica Crucible (50ml)	Heat Resistant, Strong build quality {10 piece of each}. can be used in muffle furnace at high temperature up to 1000 degree celcius	No's	10
22	Silica Crucible (100 ml)	Heat Resistant, Strong build quality {10 piece of each}. can be used in muffle furnace at high temperature up to 1000 degree celcius	No's	10

23	BOD Bottle	300ml bottle , made of borosil	No's	30
24	Digital COD Digester (for 10 ml COD vials)	Digestion capacity 10-16 vials Vial volume Maximum 10ml Vial dimension 16 x 100 mm Digestion temperature 20°C- 200° C	No's	1
25	Chloroscope	Square unbreakable test tube - 2 Nos, glass dropper with rubber test-1 No, O-Toluidine reagent-125ml, packed in thermocol box, to check chlorine in drinking water from 0.25ppm to 2ppm	No's	6
26	Porcelain dish	80mm dia, 40 ml	No's	6
27	Measuring cylinder	250 ml made of Borosil	No's	6
28	Beaker	250 ml made of Borosil	No's	6
29	Filter Paper	42 & 45 no.	No's	12
30	Funnel	made of Borosil	No's	6

Geo Tech. Engg

1	I.S. Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36mm, 1.18mm, 600micron, 300 micron,150 micron and 75 micron as per IS 460	Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36 mm, 1.18mm, 600 micron, 300 micron,150 micron and 75 micron as per IS 460	Set	2
2	Pycnometer	As per IS:2386 (Part 3) Consist of a 1 kg Glass Jar with Brass Cone	No's	6
3	Liquid Limit Device	Casagrande grooving tools and gauge block with AC Supply Compliance with IS:2720 (Part 5), IS:9259 Consists of a hard rubber base Casagrande Grooving Tool Gauge Block	No's	6
4	Plastic Limit Set	Glass plate, Flexible Spatula, Brass / SS rod, Moisture Dish & Porcelain Dish.	No's	6
5	Core Cutter	As per IS:2720 (Part 29), Min. 100 mm dia x 130 mm long, Steel Dolly 25 mm high and 100 mm dia,Rammer with Steel Rod.	No's	4
6	Density bottle	100 ml, made of borosilicate	No's	5
7	Density bottle	50 ml, made of borosilicate	No's	5

8	Proctor Test Apparatus for heavy compaction	Proctor Test Apparatus for heavy compaction, Material - Mild Steel as per the IS:2720 (Part 8), Rammer and Base Plate, made of Mild steel 150 mm dia, 127.3 mm height 2,250 ml volume. Rammer:- 4.9 kg	No's	1
9	Direct shear apparatus . motorised with 12 speed . As per IS : 2720 (part XIII)	Ref. Standards IS :11229, 2720 (Part 13) Type of Shear : Direct / Residual Measurement Operation : Motorised Rates of Strain (mm/min) : 1.25, 0.625, 0.25, 0.125, 0.05, 0.025, 0.01, 0.005, 0.002, 0.001, 0.0004, 0.0002 Specimen Size : 60 x 60 x 25 mm Digital Indicator, Load Cell 2KN, Displacement Sensor Range : 0-20mm. Shear Box Assembly, This assembly comprises of : Halves of the Shear Box 2 Nos. Plane Gripper Plate - 2 Perforated Gripper Plate - 2 Porous Stone - 2 Top Loading Pad - 1 Base Plate - 1 Specimen Cutter - 1 Min normal stress - 3 kg/cm ² Operation : Motorised	No's	1
10	Laboratory Vane Shear Apparatus	As per the IS:2720 (Part 30) with special motor, Rotation 0.10/sec. Rate of rotation : 1/60 rpm Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply. Container 1 No.Set of 4 Springs, (one each of capacity 2 kg-cm, 4 kg-cm, 6 kg-cm and 8 kg-cm min)	No's	1
11	Triaxial shear test Apparatus	Speeds between 0.0005 mm/min and 6.00 mm/min. Maximum Platen dia :- 130mm Tri-axial Cell , Stationary Bushing, 38mm dia:- Ref Standard: IS : 2720 (Part XII) For testing specimen of size 38mm dia x 76mm long. • Triaxial Cell consists of Perspex chamber with anvil and loading plunger • The cell is easily split by releasing four type rods. • It is leak proof upto 10 bar (10 kg/cm ²) fluid pressure.	No's	1

		<ul style="list-style-type: none"> • An oil plug and an air vent are provided for introducing a thin layer of oil over water. This provides effective sealing at the plunger for long duration tests. • The cell is fitted with four sleeve packed valves of no volume change type of base. <p>Cell Consisting of followings: -</p> <ul style="list-style-type: none"> • Top loading pad, Perspex, 38 mm dia. 1 No. Plain Perspex disc 38mm dia x 6 mm thick 1 pair. Porous Stone 38mm dia x 6 mm thick. 1 pair. Sheath stretcher for 38 mm dia specimen 1 No. Two way split former for 38 mm dia specimen 1 No. Rubber sheath for 38 mm dia specimen 12 Nos. Drainage tube (short), 38 mm 4 Nos. Drainage tube (long), 38 mm 4 Nos. “O” rings for 38mm dia specimen 4 Nos. Split Mould, 38mm dia 1 No. Top loading pad 38mm (plain) 1 No. Max Pressure - 12kg/cm² . oil pump - 1 variable pressure - 16 bar pressure Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply. • Pressure Transducer, 20 bar (20 kg/cm²) capacity, an LVDT (Displacement Sensor) having a range of 0-20mm mm and a 3 - Channel Digital Indicator Digital Indicator :- Mode of Display : Micro controller multi line alpha numeric VFD display for all simultaneous channel Power supply Voltage : 220V, 50Hz, Single Phase Load cell:- Capacity : 10 kN Load Cell excitation : 5 V, DC 		
12	Consolidation Apparatus	<p>As per IS:2720 (Part-XV), Analogue Should Consolidation Cell Assembly - min 3 Nos Fixed ring with Guide ring— Min 3 Nos Channelled base with water inlet— 3 Nos Water Jacket — 3Nos Different Set of weights Water Tank with assembly,</p>	No's	1

13	Sieve Shaker	<p>Sieve Shaker, Motorized, with Built-in Digital Timer, • A digital timer adjustable from 0-99 minutes is incorporated as an integral part of the equipment.</p> <p>• The Sieve Shaker can carry up to 8 sieves of 20cm diameter, also supplied with 30cm adaptor. It is driven by a ¼ HP geared motor.</p> <p>• The Sieve Table is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyratory motion of the table, there is a tapping motion as well.</p> <p>Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.</p>	No's	1
14	Electronic Balance	Upto 500g, and 5 kg	No's	1
15	Glass measuring cylinder	1000 ml	No's	5
16	Stop Watch	Accuracy : 0.01 Seconds	No's	2
17	Hydrometer Apparatus	Hydrometer, Range: 0-20, 20-40, 40-60, 60-80, & 80-100	No's	5
18	Metre scale	300 mm length, steel made	No's	2
19	Shrinkage Limit Set	As per IS : 2720 (Part 6), Porcelain Evaporating Dish, Shrinkage Bath, Glass Cup, Min. Three Metal Prongs, Perspex Plain Plate Spatula, Glass Cylinder, 25 ml x 0.5 ml, Mercury.	No's	2
20	Sample Extractor	application - soil Extractor, Capacity - 5 Ton, Automation Grade Manual	No's	1
21	Infra - Red Moisture Metre	<p>As per the IS: 2720 (Part 2)</p> <p>The speed of drying (about 30 min), The infrared radiation is controlled by a voltage regulator. The instrument is provided with an indicator lamp. The balance scale (drum) is divided in terms of moisture percentage on wet weight basis, which are read directly from it. Graduations are from 0 to 100% in 0.2 % divisions.</p> <p>Suitable for operation on 220 V, 50 Hz, Single phase, AC Supply.</p> <p>Capacity: min 5g approx.</p> <p>Sensitivity : min 10 mg approx.</p> <p>Range : 0 to 100% moisture content on wet weight basis.</p> <p>Reading accuracy : min $\pm 0.20\%$</p> <p>Probable error : min $\pm 0.25\%$ in the lower range upto compared to 25% and $\pm 1\%$ for moisture contents</p>	No's	1

		Oven methods : above 50% Equipment consisting of :- Infra Red Lamp Thermometer (L-shaped)		
22	Unconfined Compression Test	Digital Load Frame with LCD 50 kN Capacity with 4 Speed variations. <ul style="list-style-type: none"> • Horizontal Clearance - 265 mm • Vertical clearance - 700 mm • Maximum Platen dia - 130 mm • Maximum Platen Travel - 100mm • Ram Dia - 50mm • Suitable for operation on 220 V, 50 Hz, single phase, AC supply. • Ring capacity - 2 kN • Dial Gauge - 25 mm, 0.01 mm least count. • Mould - 38 mm dia × 76 mm long • Rubber Sheath - 38 mm dia specimen 	No's	1
23	Sand bath	Device with tray, stove, palet, knife, steel top with powder coated, 230V, single phase	No's	1
24	Non Corridible air tight container or can	100 ml, 200 ml, 500 ml, 1000 ml Set of 6 for each	No's	24
25	Thermometer	0.5'c - 60'c	No's	2
26	Water bath	15 Litre capacity, temperature controlled, LED water bath	No's	1

MOM Lab.

1	Beam deflection Apparatus structural lab	A mild steel beam 2.5 cm x 3 mm in cross section and 100 cm long is pinned to two supports 70 cm apart situated symmetrically. One of the ends can be fixed or given a known slope by applying a known moment at the end with the help of suspended loads. At the other end also a known moment can be applied at various points along the span of the beam.	No's	1
2	Abrasion Testing Machine for Glezed Tile	voltage 230, Power 100 Watt, 50 Hz, single Phase AC Supply	No's	1
3	Flexure Strength Testing Machine	Flexure Testing Machine Electrically Operated, Material of Construction: Weight of the Load Frame: Min. 130kg Hydraulic System: With Min. 15 liters, hydraulic oil feed and fuel pump separately, 0.5 hp, 1 Ph, 220V AC motor driven two-speed hydraulic pump. Standard confirm to:- Conforms to IS 516 and IS : 14858, Machines conforming to ASTM C39.	No's	1

22. Warranty Services

The bidders will provide comprehensive warranty details for all the Machines and Equipments for minimum three years .

23. Indemnity

The supplier shall indemnify, protect, and save Government Polytechnic Bhagalpur against all claims, losses, costs, damages, expenses, action suits and other proceedings resulting from infringements in respect of all Machines and Equipments supplied to Government Polytechnic Bhagalpur. Government Polytechnic Bhagalpur also stand indemnified from any compensation arising out of accidental loss of life or injury sustained by any manpower while working on the project.

24. Termination, Dispute Resolution & Other

24.1. Termination of Contract

- a) If bidder found to be involved in fraudulent practices (misrepresentation or omission of facts or suppression/hiding of facts or disclosure of incomplete facts), in order to secure eligibility to the bidding process during the submission of bid or after release of Letter of Intent (LoI) or agreement formalization after signing of contract, shall be liable for punitive action amounting to blacklisting of the bidder, including the forfeiture of concerned EMD and/or Performance Security also, whatever it relates.
- b) Notwithstanding contained here, the Government Polytechnic Bhagalpur prejudice to any other contractual rights and remedies available to it, shall by written notice of any default in service / installation/ testing /commissioning etc. sent to the bidder, terminate the contract in whole or in part, if the bidder fails to supply , commission and install Machines and Equipments as specified in the present contract read with the terms of the contract agreement or any other contractual obligations within the time period specified in the contract and the firm may be blacklisted, consequently the performance security may be forfeited.
- c) **Termination for Insolvency** - If the bidder becomes bankrupt or otherwise insolvent, it will inform to the Government Polytechnic Bhagalpur within 30 days written notice to terminate the contract. Government Polytechnic Bhagalpur reserves the right to terminate, without any compensation, whatsoever, to the bidder, and may forfeit the performance security.

24.2. Force Majeure

- a) For purposes of this clause, Force Majeure means an event beyond the control of the bidder and not involving the bidder's fault or negligence, and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, earthquake, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.
- b) If a Force Majeure situation arises, the bidder shall promptly notify the Government Polytechnic Bhagalpur in writing of such conditions and the cause thereof within 7 days of occurrence of such event. Unless otherwise directed by the bidder in writing, the bidder shall continue to perform its obligations under the contract as far as reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- c) If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding thirty days, either party may at its option terminate the contract without any financial repercussion on either side.

24.3. Notices

Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or e-mail or by post. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract between the Government Polytechnic Bhagalpur and the bidder.

24.4. Resolution of Disputes

- a) Any dispute, difference, or claim arising out of or in relation to this Agreement, will be settled by reaching a mutual understanding between the parties.
- b) If any further dispute arises between the parties thereupon, the same will be settled as per the extant law of land through the competent court of law under the territorial jurisdiction of Bhagalpur only.

24.5. Applicable Law

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

25. Documentation

The Bidder shall provide the following documentation. The content and format of the documentation will be discussed and agreed with Government Polytechnic, Bhagalpur prior to development/delivery of the documentation.

- a) Manuals of all Machines and Equipments.
- b) A comprehensive calibration/test reports for the equipment (wherever required).

26. TERMS AND CONDITIONS

- 26.1 The financial bid must include the cost of machines, equipment's and its accessories with installation and commissioning.
- 26.2 The rates should be quoted in figures as well as in words.
- 26.3 The supplier will be responsible for three years of trouble-free operation of machines and equipment's from the date of handing over of commissioned machines & equipment's.
- 26.4 The supplier will provide three-year onsite warranty of machines & equipment's and all other items. All associated consumables and spares of supplied machines & equipments during three years of warranty period will be provided by the supplier.
- 26.5 The supplier must have to give full specifications against the items supplied by them.
- 26.6 The supplier must have to ensure that the items supplied by them are fully covered with their specification submitted.
- 26.7 The technical bids will be opened before the tender committee and after thorough verification of technical bids, the tender committee will then prepare a detailed comparative statement in the light of terms & conditions laid down in the tender document and after full satisfaction of the committee for the technical qualification the financial bids of the technically qualified tenders will be opened.
- 26.8 The successful & qualified Bidders/OEM must have to give the letter of acceptance of order within five days by email from the date of placement of order by the Institute.
- 26.9 No interest will be payable on EMD amount deposited by the Bidders/OEM.
- 26.10 In case of any dispute, the legal jurisdictions will be at Bhagalpur.
- 26.11 All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the Bidders/OEM shall be summarily rejected.
- 26.12 Number of items may increase or decrease by the Institute.
- 26.13 Machines, Equipments and other items will be delivered at Govt. Polytechnic Bhagalpur, At+PO – Barari, Bhagalpur, Bihar-812003.

27. Additional Term and Condition For BID

- 27.1 The bidder/OEM Should 3 years of experience in manufacturing such equipment in their manufacturing facility.
- 27.2 The bidder/OEM should have not been debarred black listed by any state Government/Central Government institution/department for any reason. An affidavit in this regard on stamp paper should be submitted by the bidder/OEM.
- 27.3 Copies of acknowledgement of GST returns for the latest quarter of Financial Year 2024-25 are to be submitted.
- 27.4 EMD in favour of The Principal, Government Polytechnic Bhagalpur should be submitted before BID opening.
- 27.5 Bidder/OEMs must produce a work order for a minimum amount of 50 lacs of which 80% payment must have been received.
- 27.6 Bidder/OEMs must provide the details (Name of OEM (Make) and Model Number) of all the equipment to be supplied by them. Bidder/OEMs are also required to submit the OEM's product catalogue/brochure indicating the specifications of offered equipment for technical suitability.
- 27.7 OEM Should have its own manufacturing facility & should enclose Original photos, Images of the Manufacturing Plant as proof of OEM.
- 27.8 Bidder/OEM must have a Solvency Certificate of amount 80% of bid value issued by Scheduled/Nationalize Bank. The same should be submitted along with the bid. The issue date should not be more than 6 months old from the date of last day of submission of bid.
- 27.9 Copies of acknowledgement of Income tax returns for the Financial Year 2021-22, 2022-23 and 2023-24 are to be submitted.
- 27.10 Sample product/online product tutorial of product can be demanded from any bidder during technical evaluation to ascertain quality & specification as per discretionary of buyer. Bidder has to provide sample within 10 days **or online product within 2 days of demand otherwise bid may be rejected.**
- 27.11 The OEM must submit MSME & NSIC Certificate, if applicable.
- 27.12 Factory License of OEM, Process of Manufacturing in the Factory and List of Plant & Machinery should be submitted by the bidder.
- 27.13 Payment will be released only after satisfactory delivery, installation, foundation, demonstration and acceptance of goods at the institute.
- 27.14 All bid submitted shall also include the following information or documents in the technical bid.
 - i The bidder must submit the copy of PAN Card.
 - li The bidder must submit copies of their GST registration certificate from the competent authority.
- 27.15 The bidder/OEM average annual turnover in india should be at least Rs. 10 Cr (Ten Crores) for the Financial Years (FY 2020-21, FY 2021-22 and FY 2022-23). The same should be supported by Balance sheet audited by CA.
- 27.16 Bidder/OEM must have active service support and required to furnish contact details of **Service Executive**. Details to be furnished on bidder letter head.
- 27.17 Bidder should submit valid ISO 9001, ISO 45001 and ISO 14001 certificate of OEM.
- 27.18 OEM must have NABL Calibration Facility on Own or through its Sister Concern Documents in support should be submitted with the bid. Calibration certificate and documents in support must be attached along with the bid.

- 27.19 **Bidders who do not** meet the criteria given above are subject to be disqualified, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, any false declaration etc.
- 27.20 All products should carry a three – year onsite warranty.
- 27.21 Details of Comprehensive Annual maintenance Contract (CAMC) after the warranty period may be clearly mentioned in the Financial Bid Documents (as applicable).
- 27.22 The Prices must be inclusive of GST, packing, freight, unloading, installation & foundation etc.
- 27.23 **Principal Govt. Polytechnic Bhagalpur reserves the right to cancel the bid at any time without assigning any reasons thereof.**
- 27.24 The bidder must provide the hard copies of detailed manuals/brochures with each item/equipment.
- 27.25 In case of any conflict of term and condition, the ATC will be accepted.


Principal

Govt. Polytechnic, Bhagalpur

<Company Letter head>
TECHNICAL DATA SHEET

Details of Bidder/Contractor

SI No.	Description	Information	
1	Name of Tenderer & Contact person with complete address, email & mobile No: -		
2	Status of the Tenderer (attach documents if registered company/partnership/ proprietorship/LLP) with year of establishment.		
3	Statutory details (photocopy to be attached) a) Registration No. of the Firm- b) PAN- c) GST Reg. No.-		
4	Turnover of the company for the financial year		
	FY 2020-21	FY 2021-22	FY 2022-23
5	The bidder must have at least 3 years' experience in supply of Machines and Equipments for Civil Engineering Lab, with a Central / State Government Organization / Public Sector Unit (PSU)/ Private University Recognized /affiliated to UGC/ AICTE in India.		
	Name of the Project/Work	Client Name & Contact information	Duration (Year)
	1.		
	2.		
	3.		
6	Declaration that the bidder has not been debarred / blacklisted by any Government/Semi-Government/ PSU (As per Annexure 4)		
7	Self-declaration as per the clauses mentioned in Land Border Clause		

Note: Attach necessary documentary evidence to substantiate information mentioned in Terms & Conditions (S.No-26) and ATC (S.No-27).

< Authorised Signature>

Name:

Designation:

ANNEXURE-2

<Company Letter head>
FINANCIAL BID FORMAT (In Rs.)

To,

The Principal
 Govt. Polytechnic, Bhagalpur

Government Polytechnic, Bhagalpur							
Department of Civil Engineering							
NAME OF LAB-SURVEYING							
S. No.	Name	Specification	Quantity	Unit Price	Total Amount (A)	GST /Tax amount (B)	Gross Amount (C=A+B)
1	Direct reading transit theodolite 2" with tripod	Angular accuracy- 2" Telescope. Min magnification- 30 X Min objective aperture -45 mm. Minimum focusing vial 30"(/2mm) or better, Sensitivity of circular level vial 8'(/2mm) or better. Display LCD both side. Lummet-laser/optical	5				
2	Dumpy level with tripod	Min Telescope length- 228mm, Min diaphragm Etched on glass with stadia 1:100, Screw Focusing eye piece, Highly sensitive spirit bubbles, aperture not less than 3.76cm . Min Magnification 38 X, Magnetic compass, longitudinal bubble	5				
3	Prismatic compass with tripod	Aluminium ring, Magnetized needle, automatic lifter and prism readin, hinged coloured shades and reflector, tripod stand, Aluminium Stand.	10				
4	Cross Staff	Cross Staff Wooden 4"x4"x2" with steel Pole	2				
5	Optical Square	Optical Square PWD Pattern	10				
6	Ranging Rod (Steel) 4m	Socket type (30mm Dia.) : : made of Steel conduit pipe alternatively painted black and White or red and white. Fitted with Strong shoe at the bottom, Size 4 Mtr	20				
7	Ranging Rod (Steel) 3m	Socket type (30mm Dia.) : : made of Steel conduit pipe alternatively painted black and White or red and white. Fitted with Strong shoe at the bottom, Size 3 Mtr	20				

8	Leveling Staff (4m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	10				
9	Leveling Staff (5m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	10				
10	Leveling Staff (6m)	Made of aluminium Channel. Screen printed figures in four five section and six respectively. Packed in canvas cover	10				
11	Engineers Measuring Chain 30m	10 arrows made of 8 SWG Wire (Size Dia. 4mm & L. 30cm)	5				
12	Metallic Tape 30m,	Measuring Metallic Tape	5				
13	Arrows (Metal)	Arrows made of 8 SWG wire	20				
14	Mallet and pegs (wooden)	Wooden peg and Mallet	5				
15	Spirit Level	BRASS MADE SIZE 6"	5				
16	Invar Tape 30m	FIBER GLASS TAPE of Length 30M	2				
17	Surveyor compass	Surveyor compass with all accessories	2				
18	Stand	standard stand	3				
19	Chain	Engineers Measuring chain 30m made of SWG Nos. 8 with 100 links Size 30m Long with 150 links 15 arrows					
20	Metallic Tape 10m,	Measuring Metallic Tape	5				
21	Pegs	Pegs (wooden)	50				
22	Hammer	Hammer (1kg)	5				
23	Plane Table and its accessories	Plane table with accessories Size (750*600)mm * 15mm Thickness. Sight vane, Size 600mm, made of brass of 2mm thickness, in wooden box magnetic compass, size 150mm, made of aluminium alloy, in wooden box. Plumb Bob made of Steel with suspending cord plumbing Fork, Made of Aluminium. Spirit Level made of aluminium in wooden box strong canvas carrying case This plane Table set is supplied along with aluminium telescopic Stand					
24	Metallic Tape 5m,	Measuring Metallic Tape	5				

25	Prism Square	To lay off right angles that are multiples of 90 degree or of 45 degree	5				
26	Clinometer	This manipulative is to measure angle of elevation or depression of any objected. This model can be used to find height and distance of a building etc. Provided in durable box. Optical adjustment for reading	2				
27	Tachometer	Specification : 5 digit 18 mm (0.6") white backlight LCD accuracy $\pm(0.05\% + 1\text{digit})$ Sampling time : 0.5sec(over 120RPM) Range Select : Auto-switch Memory : Max. Value. Min. Value, last value can store 96s data time base. 6MHz Quartz crystal Detecting Distance : 50-50mm Power Consumption : Approx. 55mA Measuring range : 2.5-99999RPM Resolution 0.1RPM (2.5-999.9RPM) 1RPM(over1000RPM) Total Test Range : 1-99999 Frequency Range: 1-1666.6Hz Resolution: 0.01Hz time Base Accuracy 10x10- 6(0-50degree C.) Power: 3x1.5V AA battery	2				

Concrete Technology Lab.

1	Compaction Factor Apparatus	Material of Construction: Special quality low carbon mild steel. Paint quality:-Powder coating 70-80 micron thick for determination of workability determination of concrete mixes of very low workability such as those normally used with concrete, compacted by vibration. Concrete mix having maximum size of aggregate not exceeding 38 mm, can be tested for workability. Compaction Factor Apparatus is complete with hoppers and receiver assembly, Tamping Rod of 16 mm dia x 60 cm long having a Hooper and two trowels. As per IS- 1199, 5515 & BS 1881-103	2				
2	Slump Test Apparatus	Slump Test Apparatus with testing rod and base plate, consisting of Slump Cone, Base plate (200mm and height 300mm) with swivel handle, Tamping rod steel, 16 mm dia x 600 mm length as per ISI 7320	5				

3	Vee bee Consisto meter	Material of Construction:Special quality low carbon mild steel with good paint quality Vibrator Table : Min 380*260. Four rubber shock absorbers with A.C. supply motor 415 volts, 3 phase, One metal pot, One slump cone, One swivel arm with metal cone, One graduated rod, One perspex disc. One tamping rod as per IS 1199	2				
4	Cement Mortar Moulds	Cement Mortar Mould, Steel, for 70.6mm cube with ISI certification mark, IS:10086, machined with a permissible variation of 0.15mm and finished within tolerances of +0.15mm - 0.10mm	20				
5	Cylindrical Moulds	Cast Iron, Split Lengthwise 150mm dia x 300mm high with baseplate and top plate	10				
6	Cube Moulds	Cast Iron, for 150mm Cube with ISI Certification IS:10086 Angle between adjacent interior faces and between interior faces and top and bottom plates of mould-90+/-0.5Deg length of base plate -Min. 280mm Width of base plate -Min. 215mm Machined flat to +/- 0.02 mm of accuracy and finished to within +/- 0.2 mm of specified dimensions. Approx wt minium to 14kg	25				
7	Le Chatelier Flask	Le-Chatelier Flask, determination of specific gravity of hydraulic cement as specified in IS:4031-1968.	5				
8	Le-Chatelier Apparatus	Le-Chatelier Mould with IS 269, 712 6392 Part-IX. This unit comprises of a metal sleeve with a hook and set of screw to fit over one of the mould pointers and a clamp to fit on to the other pointer of the mould.	5				
9	Le-Chatelier Water Bath	Le-Chatelier Water Bath with Controller Min. size 12"x9"x12".made of stainless steel, complete with removable rack to hold min. 6 moulds.	1				
10	Standard Vicat's Apparatus	Vicat Apparatus with ISI Certification Mark, IS:5513.	5				

		Weight : 70 Kg Heater : 2000 Watts Supply : 220V, 50Hz, 1 phase Machine supplied with :- Rubber Gasket, Viton 1 No. Pressure Gauge, 0-42kg/cm Temperature Controller with Sensor Shrinkage Bar Mould, four compartments with smooth reference point, Length Comparator Digital					
17	Trowel	made of iron, standard size	10				
18	spatulla	100mm, 150mm, 200mm blade of iron	10				
19	guinia	made of iron, 200mmx 100mm metallic	10				
20	spirit level	digital, made of brass	10				
21	Floor Tile testing machine (Flexure and abrasion) with all accessroies	Size: 280×150×100mm: Voltage 220 V: Displacement measurement error ≤0.01mm, Temperature record value error: ±1%	1				
22	Weight	2kg, 1kg, 100g, 200g, 50g, 500g	1				
23	Weight Hanger	Provided with hook, made of steel	1				
24	steel scale	300mm size	5				
25	Micrometer	0.25mmX0.1mm	2				
26	Thickness and Length Gauge for Flakness and Elongation Index	material - SS, Application Thickness & Length Gauge	5				
27	I.S. Sieves Set	Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36 mm, 1.18mm, 600 micron, 300 micron, 150 micron and 75 micron as per IS 460	2				
28	Rebar Detector	cover Range (upto 170 mm) body material Plastic, Power 2 pcs AA Batteries	1				
29	Enfflorscence Test apparatus	Material Plastic, shape (Round) Temp (20 - 30 degree C), Length (150 mm diameter and Glass dish containing 25 mm Depth)	1				

30	Automatic Mortar Mixer, Digital, Capacity 5 L	<p>Automatic/Manual Mortar Mixer, 4.75 litre nominal capacity (Bowl)</p> <p>Application: Preparation of standard prisms with Automatic/Manual mixing procedure in accordance with IS:10890, EN 196-1 & EN 196-3 This apparatus has specially been designed to prepare cement mortar for strength determination as specified in IS:4031. It can also be used in mixing lime with pozzolonic materials for determination of lime reactivity (as per IS: 1727) and for uniform mixing of soils with additives such as lime, cement, etc.</p> <p>Special Features :</p> <ul style="list-style-type: none"> • Water Burette • Choice of automatic mixing cycles as per EN Standard • Automatic or Manual modes • User defined Mixing cycle • Microprocessor Control • Sand Dispenser <p>The mixer is designed to mix mortars and cement pastes primarily to the requirements of EN 196. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by means of a soft touch button, without switching off the motor. In the automatic mode any one of the pre-set mixing programmes may be selected.</p> <p>It has been designed to prepare cement mortar for strength determination as specified in IS: 4031. It can also be used in mixing lime with pozzolonic materials for determination of lime reactivity (as per IS: 1727) and for uniform mixing of soils with additives such as lime, cement.</p> <p>Standard Supply includes:</p>	1
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		<p>Basic unit with stainless steel mixing bowl and stirrer, Program controller with status indicators to run the Mixer in fully Automatic or Manual mixing mode.</p> <p>Low Speed 140+/-5 , 62+/-5 High Speed 285+/-10, 125+/-10 Suitable for operation on 220V, 50Hz, single phase, AC supply.</p>					
31	Rebar Locators, Diameter and Cover Meters with software	<p>COVERMETER WITH STANDARD SEARCH HEAD Operating temperature 0 to 50°C (32 to 120°F) Power supply 7.4V battery pack provides up to 32 hours of continuous use (20 hours if backlight is on). Rechargeable in 4 hours, using an external charger, either inside or outside the gauge. Dimensions 230 x 130 x 125mm (9 x 5.1 x 4.9") Weight 1.6kg Range 40mm / 1.6" bar 15mm to 95mm / 0.6" to 3.75" 8mm / 0.3" bar 8mm to 70mm / 0.3" to 2.75" Dimensions 155 x 88 x 42mm / 6.1 x 3.5 x 1.65" Sensing area 120 x 60mm / 4.72 x 2.36" Elcometer 331B Covermeter, standard search head & search head connecting cable, rechargeable battery pack & charger (UK, US & EU), earphone, shoulder strap, plastic carry case & operating instructions.</p>	1				
PHE (Public Health Engineering) Lab							
1	pH meter	20 x 2 line back lighted LCD display., pH Meter complies to USP and DIN standards, alphanumeric splash waterproof polyester keyboard with soft keys., Range 0° to 150° C.	1				
2	Turbidity meter	0 - 10,000 NTU , ± 2% of reading plus 0.01 NTU (0 to 1000 NTU) ± 5% of reading (1000 to 4000 NTU)	1				

		± 10% of reading (4000 to 10,000 NTU) , Response Time: less than 6 seconds, Sample Size: 30ml, Operating Temperature: 0° - 50°C					
3	Test tube	Glass Test Tube - 150 mm tall x 16 m with 14 mm inside diameter. Approximate volume is 22 mL. Borosil	24				
4	MAGNETIC STIRRER WITH HOT PLATE	<p>Number of stirring Positions: 1 Calibration: Automatic Calibration Type of Drive Motor: Motorless magnetic coil type Display Option/Output Read out Option: Digital</p> <p>Magnetic stirrer is: with a hot plate or some other means for heating the liquid</p> <p>Controller type: Electronically controlled and Programmable Speed Control Accuracy of set speed (+/-) (RPM): 0 Maximum Stirring capacity per position: 2000 milliliter</p> <p>Ceramic Top Plate Material, Digital Front Panel, Last run memory</p> <p>CE certified Product (seller to furnish supporting document to Buyer on demand)</p> <p>SPEED</p> <p>Speed Mode: Variable Speed Minimum Speed Possible (RPM): 50</p> <p>Maximum Speed (RPM) of variable speed mode equipment: 1600</p> <p>DIMENSIONS</p> <p>External Dimension: (Height)200 millimeter External Dimension: Width 200 millimeter External Dimension: Depth: 50 millimeter Body Material: Stainless Steel</p> <p>Finish of Body material: Powder coated Top plate Finish: Ceramic coated</p> <p>STIR BAR</p> <p>Stir bar cover material: PTFE QUOTED ALNICO MAGNET Stir Bar length: 200 millimeter</p> <p>TOP PLATE</p> <p>Top plate area shape: Circular</p>	1				

		Circular Top plate diameter: 1000 millimeter Top plate Finish: Ceramic coated					
5	Burette	50 ml, made of Borosil	6				
6	Burette. stand with rod, clam & boss head	Base 8" x 5", Rod 2411 long, 1.1 tree finger clamp	10				
7	Conical Flask	250 ml, made of Borosil	6				
8	Pipette,	25 ml, made of Borosil	10				
9	Rubber gloves,	Nitrile rubber (L Size)	4				
10	Apron	White Cloth Lab Apron (M size)	5				
11	Fluoride Ion Meter (with Fluoride electrode)	<p>TYPE / NOMENCLATURE / PROTECTION</p> <p>Type of Meter / Analyzer: Bench Type</p> <p>Functional nomenclature: Multi Parameter Water Quality Analyzer</p> <p>Ingress Protection (Main Unit): IP 56</p> <p>Calibration: Automatic</p> <p>COMPENSATION / CORRECTION</p> <p>Temperature correction: Automatic</p> <p>Salinity Correction: Automatic</p> <p>DISPLAY / STORAGE</p> <p>Type of Display: LCD with Backlight Display Digit Size: 30 millimeter Number of Digits in Display: 5</p> <p>Number of parameters displayed simultaneously: 3 Memory (in Data Sets): 500</p> <p>Internal memory (GB): 64</p> <p>Date /time Stamp in Entries: Yes</p> <p>Connectivity interface: USB, RS 232</p> <p>Power Source: Alkaline Batteries (Non-Rechargeable), Mains (230 ±10 Volts / 50 Hz AC) Battery Size, if Non Rechargeable Battery: AA</p> <p>Battery Chemistry, if Rechargeable Battery: Li-ion</p> <p>Voltage of each Battery 1.5 Volt</p> <p>Number of Batteries required for operation: 4</p>	1				

		Number of Batteries Inclusive in the Scope of Supply: 4 Battery Capacity (mAh): 800 Battery Life: 800 hour Suitable Adapter to be supplied to make the equipment Work on 230 V \pm 10 %, 50 Hz: Yes					
12	Prestaltic pump	Flow range – 0.1ml/hr to 1000ml/hr Accuracy – \pm 2% Digital display of functions and time Auto-stop with audible alarm Battery back-up stores memory in case of power failure.	1				
13	High Volume Air Sampler	Flow Rate 39 to 60 cfm for MFC; typically 42 to 45 cfm for VFC; Volumetric Flow Control Accuracy \pm 1% deviation over 24-hr period;Power Requirements 110/220 \hat{A} \pm 10V, 100W; Precision of Pressure Stabilization 0.05 Mpa; Flow/pressure recorder with circular charts, 4" (10 cm) dia.; range 10 to 65 cfm	24				
14	Nessler Tube	Borosil glass, 3.3mm thick, and 100ml capacity	6				
15	Glass test tubes	Glass Test Tube - 150 mm tall x 16 m with 14 mm inside diameter. Approximate volume is 22 mL. made of Borosil	24				
16	Laboratory hot air oven	Digital laboratory oven (18"x18"x18"), Hot oven 450mm digital	1				
17	Thermometer	Digital display, accuracy \pm 1 $^{\circ}$ C	3				
18	Vertical Autoclave	Product: Vertical Autoclave. Pressure: 10-20 Psi, Usage: Laboratory, Power Rating: 1.5 KW, Size: 22L, Outer Material: Mild Steel, Inner Material: Stainless Steel	1				
19	Filtration Assembly With Oil Free Vacuum Pump	filtration assembly consisting of suspended solids filter holder with filter support for 47 mm dia and borosil glass filtration flask, capacity 1 ltr vacuum pipe, oil free vacuum pump. 1. Oil free vacuum pump 25 liter, 2.ss holder 47 mm, 3 glass flask 1000ml	1				
20	Petri Dish	Borosilicate Glass Petri Dish 90mm	10				

21	Silica Crucible (50ml)	Heat Resistant, Strong build quality {10 piece of each). can be used in muffle furnace at high temperature up to 1000 degree celcius	10				
22	Silica Crucible (100 ml)	Heat Resistant, Strong build quality {10 piece of each). can be used in muffle furnace at high temperature up to 1000 degree celcius	10				
23	BOD Bottle	300ml bottle , made of borosil	30				
24	Digital COD Digester (for 10 ml COD vials)	Digestion capacity 10-16 vials Vial volume Maximum 10ml Vial dimension 16 x 100 mm Digestion temperature 20°C- 200° C	1				
25	Chloroscope	Square unbreakable test tube - 2 Nos, glass dropper with rubber test-1No, O-Toluidine reagent-125ml, packed in thermocol box, to check chlorine in drinking water from 0.25ppm to 2ppm	6				
26	Porcelain dish	80mm dia, 40 ml	6				
27	Measuring cylinder	250 ml made of Borosil	6				
28	Beaker	250 ml made of Borosil	6				
29	Filter Paper	42 & 45 no.	12				
30	Funnel	made of Borosil	6				

Geo Tech. Engg

1	I.S. Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36mm, 1.18mm, 600micron, 300 micron,150 micron and 75 micron as per IS 460	Sieves 20 cm diameter brass Aperture size 4.75 mm, 2.36 mm, 1.18mm, 600 micron, 300 micron,150 micron and 75 micron as per IS 460	2				
2	Pycnometer	As per IS:2386 (Part 3) Consist of a 1 kg Glass Jar with Brass Cone	6				
3	Liquid Limit Device	Casagrande grooving tools and gauge block with AC Supply Compliance with IS:2720 (Part 5), IS:9259 Consists of a hard rubber base Casagrande Grooving Tool	6				

		Gauge Block					
4	Plastic Limit Set	Glass plate, Flexible Spatula, Brass / SS rod, Moisture Dish & Porcelain Dish.	6				
5	Core Cutter	As per IS:2720 (Part 29), Min. 100 mm dia x 130 mm long, Steel Dolly 25 mm high and 100 mm dia, Rammer with Steel Rod.	4				
6	Density bottle	100 ml, made of borosilicate	5				
7	Density bottle	50 ml, made of borosilicate	5				
8	Proctor Test Apparatus for heavy compaction	Proctor Test Apparatus for heavy compaction, Material - Mild Steel as per the IS:2720 (Part 8), Rammer and Base Plate, made of Mild steel 150 mm dia, 127.3 mm height 2,250 ml volume. Rammer:- 4.9 kg	1				
9	Direct shear apparatus . motorised with 12 speed . As per IS : 2720 (part XIII)	Ref. Standards IS :11229, 2720 (Part 13) Type of Shear : Direct / Residual Measurement Operation : Motorised Rates of Strain (mm/min) : 1.25, 0.625, 0.25, 0.125, 0.05, 0.025, 0.01, 0.005, 0.002, 0.001, 0.0004, 0.0002 Specimen Size : 60 x 60 x 25 mm Digital Indicator, Load Cell 2KN, Displacement Sensor Range : 0-20mm. Shear Box Assembly, This assembly comprises of : Halves of the Shear Box 2 Nos. Plane Gripper Plate - 2 Perforated Gripper Plate - 2 Porous Stone - 2 Top Loading Pad - 1 Base Plate - 1 Specimen Cutter - 1 Min normal stress - 3 kg/cm ² Operation : Motorised	1				
10	Laboratory Vane Shear Apparatus	As per the IS:2720 (Part 30) with special motor, Rotation 0.10/sec. Rate of rotation : 1/60 rpm Suitable for operation on 220 V, 50 Hz, Single Phase,	1				

		AC supply. Container 1 No. Set of 4 Springs, (one each of capacity 2 kg-cm, 4 kg-cm, 6 kg-cm and 8 kg-cm min)				
11	Triaxial shear test Apparatus	<p>Speeds between 0.0005 mm/min and 6.00 mm/min.</p> <p>Maximum Platen dia :- 130mm</p> <p>Tri-axial Cell , Stationary Bushing, 38mm dia:-</p> <p>Ref Standard: IS : 2720 (Part XII)</p> <p>For testing specimen of size 38mm dia x 76mm long.</p> <ul style="list-style-type: none"> • Triaxial Cell consists of Perspex chamber with anvil and loading plunger • The cell is easily split by releasing four type rods. • It is leak proof upto 10 bar (10 kg/cm²) fluid pressure. • An oil plug and an air vent are provided for introducing a thin layer of oil over water. This provides effective sealing at the plunger for long duration tests. • The cell is fitted with four sleeve packed valves of no volume change type of base. <p>Cell Consisting of followings: -</p> <ul style="list-style-type: none"> • Top loading pad, Perspex, 38 mm dia. 1 No. <p>Plain Perspex disc 38mm dia x 6 mm thick 1 pair.</p> <p>Porous Stone 38mm dia x 6 mm thick. 1 pair.</p> <p>Sheath stretcher for 38 mm dia specimen 1 No.</p> <p>Two way split former for 38 mm dia specimen 1 No.</p> <p>Rubber sheath for 38 mm dia specimen 12 Nos.</p> <p>Drainage tube (short), 38 mm 4 Nos.</p> <p>Drainage tube (long), 38 mm 4 Nos.</p> <p>"O" rings for 38mm dia specimen 4 Nos.</p> <p>Split Mould, 38mm dia 1 No.</p> <p>Top loading pad 38mm (plain) 1 No.</p> <p>Max Pressure - 12kg/cm² .</p>	1			

		<p>oil pump - 1 variable pressure - 16 bar pressure</p> <p>Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.</p> <p>• Pressure Transducer, 20 bar (20 kg/cm²) capacity, an LVDT (Displacement Sensor) having a range of 0-20mm mm and a 3 - Channel Digital Indicator Digital Indicator :- Mode of Display : Micro controller multi line alpha numeric VFD display for all simultaneous channel</p> <p>Power supply Voltage : 220V, 50Hz, Single Phase Load cell:- Capacity : 10 kN</p> <p>Load Cell excitation : 5 V, DC</p>					
12	Consolidation Apparatus	<p>As per IS:2720 (Part-XV), Analogue</p> <p>Should Consolidation Cell Assembly - min 3 Nos</p> <p>Fixed ring with Guide ring— Min 3 Nos</p> <p>Channelled base with water inlet— 3 Nos</p> <p>Water Jacket — 3Nos</p> <p>Different Set of weights</p> <p>Water Tank with assembly,</p>	1				
13	Sieve Shaker	<p>Sieve Shaker, Motorized, with Built-in Digital Timer, • A digital timer adjustable from 0-99 minutes is incorporated as an integral part of the equipment.</p> <p>• The Sieve Shaker can carry up to 8 sieves of 20cm diameter, also supplied with 30cm adaptor. It is driven by a ¼ HP geared motor.</p> <p>, • The Sieve Table is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyratory motion of the table, there is a tapping motion as well.</p> <p>Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.</p>	1				
14	Electronic Balance	Upto 500g, and 5 kg	1				
15	Glass measuring cylinder	1000 ml	5				

16	Stop Watch	Accuracy : 0.01 Seconds	2				
17	Hydrometer Apparatus	Hydrometer, Range: 0-20, 20-40, 40-60, 60-80, & 80-100	5				
18	Metre scale	300 mm length, steel made	2				
19	Shrinkage Limit Set	As per IS : 2720 (Part 6), Porcelain Evaporating Dish, Shrinkage Bath, Glass Cup, Min. Three Metal Prongs, Perspex Plain Plate Spatula, Glass Cylinder, 25 ml x 0.5 ml, Mercury.	2				
20	Sample Extractor	application - soil Extractor, Capacity - 5 Ton, Automation Grade Manual	1				
21	Infra - Red Moisture Metre	As per the IS: 2720 (Part 2) The speed of drying (about 30 min), The infrared radiation is controlled by a voltage regulator. The instrument is provided with an indicator lamp. The balance scale (drum) is divided in terms of moisture percentage on wet weight basis, which are read directly from it. Graduations are from 0 to 100% in 0.2 % divisions. Suitable for operation on 220 V, 50 Hz, Single phase, AC Supply. Capacity: min 5g approx. Sensitivity : min 10 mg approx. Range : 0 to 100% moisture content on wet weight basis. Reading accuracy : min $\pm 0.20\%$ Probable error : min $\pm 0.25\%$ in the lower range upto compared to 25% and $\pm 1\%$ for moisture contents Oven methods : above 50% Equipment consisting of :- Infra Red Lamp Thermometer (L-shaped)	1				
22	Unconfined Compression Test	Digital Load Frame with LCD 50 kN Capacity with 4 Speed variations. • Horizontal Clearance - 265 mm • Vertical clearance - 700 mm • Maximum Platen dia - 130 mm • Maximum Platen Travel - 100mm • Ram Dia - 50mm	1				

		<ul style="list-style-type: none"> • Suitable for operation on 220 V, 50 Hz, single phase, AC supply. • Ring capacity - 2 kN • Dial Gauge - 25 mm, 0.01 mm least count. • Mould - 38 mm dia × 76 mm long • Rubber Sheath - 38 mm dia specimen 					
23	Sand bath	Device with tray, stove, palet, knife, steel top with powder coated, 230V, single phase	1				
24	Non Corridible air tight container or can	100 ml, 200 ml, 500 ml, 1000 ml Set of 6 for each	24				
25	Thermometer	0.5'c - 60'c	2				
26	Water bath	15 Litre capacity, temperature controlled, LED water bath	1				

MOM Lab.

1	Beam deflection Apparatus structural lab	A mild steel beam 2.5 cm x 3 mm in cross section and 100 cm long is pinned to two supports 70 cm apart situated symmetrically. One of the ends can be fixed or given a known slope by applying a known moment at the end with the help of suspended loads. At the other end also a known moment can be applied at various points along the span of the beam.	1				
2	Abrasion Testing Machine for Glezed Tile	voltage 230, Power 100 Watt, 50 Hz, single Phase AC Supply	1				
3	Flexure Strength Testing Machine	<p>Flexure Testing Machine Electrically Operated, Material of Construction:</p> <p>Weight of the Load Frame: Min. 130kg</p> <p>Hydraulic System: With Min. 15 liters, hydraulic oil feed and fuel pump separately, 0.5 hp, 1 Ph, 220V AC motor driven two-speed hydraulic pump. Standard confirm to:- Conforms to IS 516 and IS : 14858, Machines conforming to ASTM C39.</p>	1				

Quoted Price: Total Amount (C=A+B) (< Price in Word and Figure>)

Note: -

- Prices must be quoted for each and every Machines & Equipments mentioned above with quantity will be considered only in Indian Rupee only and indicated both in figures and words. The amount mentioned in words will prevail.
- Number of items may be increased for decreased by the Institute
- Bidder will only uploaded Financial Bid format (Annexure-2) in Bid Part-2 Section of eproc2.bihar.gov.in

<Authorised Signature>

Name:

Designation:

ANNEXURE 3

Format for Performance Bank Guarantee

Ref:

Bank Guarantee No:

Date:

To

Principal,

Government Polytechnic Bhagalpur,

AT + PO : Barari, Bhagalpur(Bihar)-812003

1. Against contract vide Advance Acceptance of the Tender No. Dated covering "RFP for Onboarding Service Provider for LAN & Wi-Fi Networking and Augmenting with the existing network in the Premises of the Institute Premises (Government Engineering Colleges /Government Polytechnic Institutes under Department of Science, Technology and Technical Education, Government of Bihar" (hereinafter called "the Bid"). (hereinafter called the said 'contract') entered into between Government Polytechnic Bhagalpur (hereinafter called the Purchaser) and M/s. , a Company incorporated under the Companies Act, 1956/2013 or Partnership Act 1932 or Limited Liability Partnership Act 2008 or Proprietorship Firm/ Government Organization/ Public Sector Undertaking and having its Registered Office at(hereinafter called the Bidder) this is to certify that at the request of the Bidder we (name of the Bank / Branch) a body corporate constituted under the Banking Companies [Acquisition and Transfer of Undertakings] Act, 1970 and having its, Registered Office at..... and a branch office at are holding in trust in favour of the Purchaser, an amount of Rs (Rupees only) to indemnify and keep indemnified the Purchaser against any loss or damage that may be caused to or suffered by the Purchaser by reason of any breach by the Bidder of any of the terms and conditions of the said contract and/or in the performance thereof. We agree that the decision of the Purchaser, whether by any breach of any of the terms and conditions of the said contract and/or in the performance thereof has been committed by the Bidder and the amount of loss or damage that has been caused or suffered by the Purchaser shall be final and binding on us and the amount of the said loss or damage shall be paid by us forthwith on demand and without demur to the Purchaser.
2. We (Name of the Bank /Branch) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for satisfactory performance and fulfilment in all respects of the said contract by the Bidder i.e. till hereinafter called the said date and that if any claim accrues or arises against us (Name of the Bank /Branch) by virtue of this guarantee before the said date, the same shall be enforceable against us(Name of the Bank/Branch) notwithstanding the fact that the same is enforced within six months after the said date, provided that notice of any such claim has been given to us(Name of the Bank/Branch) by the Purchaser before the said date. Payment under this guarantee shall be made promptly upon our receipt of notice to that effect from the Purchaser.
3. It is fully understood that this guarantee is effective from the date of the said contract and that we..... (Name of the Bank /Branch) undertake not to revoke this guarantee during its currency without the consent in writing of the Purchaser.
4. We undertake to pay to the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Bidder in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present bond being absolute and unequivocal.
5. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Bidder shall have no claim against us for making such payment.
6. We (Name of the Bank / Branch) further agree that the Purchaser shall have the fullest liberty, without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of performance by the Bidder from time to time or to postpone for any time or from time to time any of the powers exercisable by the Purchaser against the said Bidder and to forebear or enforce any of the terms and conditions relating to the said contract and we, (Name of the Bank / Branch) shall not be released from our liability under this guarantee by reason of any such variation or extension being granted to the said Bidder or for any forbearance by the Purchaser to the said Bidder or for any forbearance

and or omission on the part of the Purchaser or any other matter or thing whatsoever, which under the law relating to sureties, would, but for this provision have the effect of so releasing us from our liability under this guarantee.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder. Notwithstanding anything contained herein:
- Our liability under this Bank Guarantee shall not exceed of Rs.....(Rupees in words only).
 - The Bank Guarantee shall be valid up to; and;
 - We..... (Name of the Bank / Branch) are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ##.....

Authorised Signatory of the Bank

Signature

Full Name/designation/ Address of the official and date WITNESS NO. 1

Signature

Full Name/designation/ Address WITNESS NO. 2

Signature

Full Name/designation/ Address

ANNEXURE 4

Format for Declaration by the bidder for not being Blacklisted/ Debarred:

(To be executed on a non-judicial stamp paper of appropriate stamp duty (as per Stamp Act of Bihar)

Date:

To,

Principal,
Government Polytechnic Bhagalpur,
AT + PO : Barari, Bhagalpur(Bihar)-812003

Subject: Submission of proposal in response to the Tender for " _____ "

Ref: Tender No.:

Dear Sir,

I, authorized representative of _____, hereby solemnly confirm that the Company _____ is not blacklisted / banned / debarred/ declared ineligible / declared having dissatisfactory performance and not banned by the Government of Bihar/ Any other State Government/ Government of India which includes any Government Department, Public Sector Undertakings of the Government, Statutory Department formed by the Government, Local Bodies in the State, Co-operative Institutions in the State, Universities and Societies formed by the Government for any reason as on last date of submission of the Bid. In the event of any deviation from the factual information/ declaration, Government Polytechnic Bhagalpur reserves the right to reject the Bid or terminate the Contract without any compensation to the Company.

Thanking you.

Yours faithfully,

<Authorized Signatory >

Name:

Designation:

Address:

Telephone & Fax:

ANNEXURE 5



बिहार गजट

असाधारण अंक

बिहार सरकार द्वारा प्रकाशित

3 चैत्र 1945 (श०)
(सं० पटना 251) पटना, शुक्रवार, 24 मार्च 2023

सं० एम-4-06/2023/2988/वि०,
वित्त विभाग

संक्षेप
23 मार्च 2023

विषय :- आवंटसॉसिंग के माध्यम से मानव बल की सेवाएँ प्राप्त करने एवं पारिश्रमिक भुगतान हेतु प्रक्रिया निर्धारण के सम्बन्ध में।

सन्धि दिनांक एवं दिनागन्तर्गत कार्यरत बार्ड/निगम/संसदेंडी इत्यादि के द्वारा आवंटसॉसिंग के आदार पर विनिर्दिष्ट प्रकार के मानव बल की सेवाएँ प्राप्त की जा रही हैं। इस क्रम में विनिर्दिष्ट विभागों द्वारा आवंटसॉसिंग के माध्यम से मानव बल की सेवा प्राप्त करने की प्रक्रिया में सेवा शुल्क की दर के संबंध में निम्न दिनांक के पत्रों की प्रस्ताव की जा रही है।

2. ऐसा पाया जा रहा है कि इस प्रकार की विनिर्दिष्ट के क्रम में कई विविधताओं द्वारा विनिर्दिष्ट प्राप्त करने हेतु न्यूनतम मोटो के तब में सेवा शुल्क की अत्यधिक दर (यथा, 100 रुपये से भी कम) अंकित कर दिया जाता है। इस प्रकार के दर का कुप्रभाव सेवा के नए मानव बल के पारिश्रमिक पर पड़ता है, क्योंकि ऐसी स्थिति में एजेंसी द्वारा सेवा शुल्क की मर्यादा हेतु अनुचित तरीके अपनाने की संभावना रहती है।

3. ऐसी स्थिति में सेवा शुल्क की दर का साथ-साथ आवंटसॉसिंग के द्वारा मानव बल के न्यूनतम पारिश्रमिक एवं अन्य वैधानिक भत्तों का भुगतान सम्बन्ध सुनिश्चित करके जहाँ हेतु प्रक्रिया एवं निष्ठा-निर्देश निर्धारित किए जाने की आवश्यकता है। दिन में प्रत्येक, व्यव प्रभाग, वास्तव सम्बन्ध के Office Memorandum संख्या-F.8/1/2023-PPD दिनांक-08.01.2023 द्वारा आवंटसॉसिंग के आदार पर मानव बल की सेवाएँ प्राप्त करने हेतु सेवा शुल्क की न्यूनतम एवं अधिकतम दर निर्धारित की गई है।

4. संक्षेप दिनागन्तर्गत आवंटसॉसिंग के आदार पर मानव बल की सेवा प्राप्त करने हेतु सेवा शुल्क की दर एवं एक मानव बल के पारिश्रमिक का सम्बन्ध भुगतान हेतु निम्नवत् प्रतिमा निर्धारित की जाती है:-

- (i). आउटसोर्सिंग के माध्यम से मान्य बल की सेवा प्रदाता जल्द से जल्द सेवा शुल्क न्यूनतम 3.65 प्रतिशत (3 प्रतिशत मान और 0.85 प्रतिशत संवेद्यता शुल्क के रूप में) तथा अधिकतम 7 प्रतिशत (सम्पूर्ण शुल्क सहित) होगी। इसी आधार पर निर्दिष्ट आर्बिटर की जांचगी।
- (ii). उदात्त निर्धारित न्यूनतम सेवा शुल्क की अतिरिक्तता से न्यून एवं निर्धारित अधिकतम सेवा शुल्क की अतिरिक्तता से उच्च दर अर्थात् जल्द निर्दिष्टता की दिनांक तिथि निर्धारणीय नहीं होगी। सेवा शुल्क के दर में अतिरिक्त व्यय में परामर्श के परमाणु 2 अंश से आगे अतिरिक्त अंश को नजरअंदाज कर दिया जाएगा।
- (iii). निर्दिष्ट में यदि एक से अधिक निर्दिष्टता प्राप्त उद्धृत (Quoted) न्यूनतम सेवा शुल्क की दर समान पाई जाती है तो इसी स्थिति में लौटने के माध्यम से निर्दिष्ट का निम्नान किया जाएगा तथा इस पूरी प्रक्रिया की दिव्यग्राफी कथनी जायेगी। निर्दिष्ट के निम्नान की पूरी प्रक्रिया में बिहार विनियमनकी के सुसंगत कार्यकारी का अनुमति अनिवार्य होगा।
- (iv). मान्य बल का अने संस्थान विनियम आगे निर्धारित न्यूनतम मजदूरी एवं उस पर लागू वैधानिक दरता का मुगलान अनिवार्य होगा और इसे निर्दिष्ट (Bid) का आधार नहीं बनाया जाएगा।
- (v). चयनित एजेंसी द्वारा सेवा प्रदान कर यह मान्य बल का प्रतिनाद पारिक्रमिक के मुगलान में कम संसाधन विनियम, बिहार सरकार द्वारा अधिसूचित न्यूनतम पारिक्रमिक के प्रत्यक्षा का अनुपालन किया जाना आवश्यक होगा। इसका साथ ही पारिक्रमिक का मुगलान मान्य बल के आधार संवेद्य बंधक खाता में Real Time Gross Settlement (RTGS) की प्रक्रिया से किया जाएगा। यह मुगलान सेवा प्राप्त कर यह विभाग/प्रधिकार आगे आउटसोर्सिंग एजेंसी को यदि निर्दिष्ट की तिथि के तीन कार्य दिवस के अन्तर संबंधित एजेंसी द्वारा किया जाएगा। संबंधित कार्यकारी/प्रधिकार आगे आउटसोर्सिंग एजेंसी का प्रत्यक्ष नाद की इसी लागू रख प्राप्त विनियम के अंतर्गत में यदि का मुगलान किया जाना होगा। साथ ही इसी वैधानिक कटौती की यदि का समस्त संबंधित प्रधिकार (यथा, कार्यकारी नयिम निर्दिष्ट संगठन एवं कार्यकारी राज्य बीमा विनियम इत्यादि) में आउटसोर्सिंग एजेंसी द्वारा जमा जमा जमा होगा।
- (vi). आउटसोर्सिंग एजेंसी द्वारा कार्यकारी/मान्य बल का पारिक्रमिक मुगलान (आधार संवेद्य खाते में) का साथ अगले नाद के विनियम के साथ उपलब्ध कथनी जाना आवश्यक होगा, अन्यथा विनियम की यदि का मुगलान अनुमान नहीं होगा। साथ ही वैधानिक कटौती/दरता (यथा, कार्यकारी नयिम निर्दिष्ट एवं कार्यकारी राज्य बीमा अंतर्गत) की यदि जमा करने का साथ साथ प्रेमसिद्ध प्रतीयन की आउटसोर्सिंग एजेंसी द्वारा सेवा प्राप्त कर यह विभाग/प्रधिकार को उपलब्ध कथनी जाना आवश्यक होगा।

आदेश:- आदेश दिनांक **माया है कि इस संकल्प के बिहार राजपत्र के असाधारण अंक में प्रकाशित किया जाय।**

बिहार-राज्यपाल के आदेश से,

सौम्य कुमार सिंह,
सचिव (संसाधन)।

अधीक्षक, सचिवालय मुद्रणालय,

बिहार, पटना द्वारा प्रकाशित एवं मुद्रित।

बिहार गजट (असाधारण) 251-571+10-डी0टी0पी0

Website: <http://egazette.bih.nic.in>