

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.SD-III-CB-Tender /2026-27-
To

786-90

Dated:- 17-04-2026


The Director,
Information & Public Relation Department,
HP Shimla-2.

Subject:- Publishing of Expression of Interest (EOI) for Hiring NABL, Laboratory HPPWD premises & testing of various materials.

Enclosed please find herewith copies of notice for Interest (EOI) for Hiring NABL, Laboratory HPPWD premises & testing of various materials.

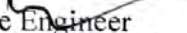
It is requested that notice may be published in the following News Papers .

1. The Tribune. Edition (English)
2. The Hindu. Edition (English)
3. The Times of India (English)
4. Amar Ujala (Hindi)
5. Other National News Papers (Hindi/English)


Executive Engineer
Shimla Division No-III,
HPPWD Shimla-3.

Copy forwarded to the followings for information please:-

1. The E-in-Chief (Project) Nirman Bhawan, HP.PWD., Shimla.
2. The Chief Engineer (SZ) Nirman Bhawan, HP.PWD., Shimla.
3. The Superintending Engineer 4th Circle HP.PWD., Shimla.
4. Nodal officer (IT) Himachal Pradesh, Public Works Department (IT) Nirman Bhawan Shimla-2 for uploading the additional information for EOI along with documents for uploading on departmental website <http://hppwd.goc.in>.


Executive Engineer
Shimla Division No-III,
HPPWD Shimla-3.

Expression of Interest (EOI)

The Executive Engineer , Shimla Division No-III, HPPWD , Shimla-3 on behalf of Employer i.e. E-in-Chief (Project) HPPWD, Nirman Bhawan, Nigam Vihar, Shimla (HP) invites bids for the work under the department from the short listed Consultants:

Sr.	Name of work	Non-refundable Application fee/Tender Fee	Starting date of downloading BID	Validity of Empanelment	Deadline of Submission
1	Expression of Interest (EOI) for Hiring NABL, Laboratory HPPWD premises & testing of various materials.	5000.00	21-04-2026	3 Years	28-04-2026 upto 12:00 PM

(EOI) documents has to be downloaded from the HPPWD website that can be accessed from the link hppwd.hp.gov.in; cost of Bid document may be furnished with an application fees of Rs.5000/- with the submission of bid to Executive Engineer, HPPWD., Division no. III, Winter Field, Shimla -3 (HP). The format of the downloaded EOI/tender document should not be disturbed / altered; otherwise the bid will be rejected. The EOI/tender documents are non- transferable and only the firms to whom the tenders have been issued may submit their bids.

The technical bids should be submitted in hard bound form with page numbering and index. Any additional information shall also be furnished by the bidder in hard bound form with proper indexing and page numbering. The details submitted in other forms like spiral bound form, loose form etc would be rejected.

The last date for submission of the hardbound Bid Documents is **28-04-2026** up to **12:00 P.M.** hours.

The technical bids will be opened on **dated 28-04-2026 at 12:00 P.M**

Further information can be obtained at the address below during office hours i.e. 10.00 to 17.00 hours Indian Standard Time (IST) on any working day.

Expression of Interest (EOI) must be delivered in a written form to the address below (in person, or by post) by **28th April, 2026** Year up to **12:00 P.M.** in the office of E-in-Chief (Project) Nirman Bhawan, HP.PWD.. Shimla.

Executive Engineer,
HPPWD, Division No.III
Winter Field, Shimla-3.

Tel:+91-177-2652832

Mob. 9418052696/7018052696.

E-mail: ee-sml3-hp@nic.in



EXPRESSION OF INTEREST FOR

**HIRING A NABL, ISO 9001:2015 & BIS
APPROVED LABORATORY FOR ESTABLISHING
LABORATORY IN HPPWD PREMISES & TESTING OF
VARIOUS MATERIALS INVOLVED IN THE
CONSTRUCTION OF ROADS, BRIDGES, RESIDENTIAL
AND NON RESIDENTIAL BUILDINGS
(QCS SELECTION)**

**EOI NO.:
NIT/HPPWD/
2026-
Dated 2026**

**Engineer-in-Chief (Himachal
Pradesh) Public Works
Department Nirman Bhawan,
Nigam Vihar Shimla-171002
(H.P) Phone No. 0177-2621401**

SECTION- NOTICE INVITING EOI

NOTICE INVITING EoI

EOI NO:WAP/INFS-IV/HP/JJM/LABS/2026 Date:- 2026

Himachal Pradesh Public work Department, invites Online Electronic Expression of Interest (EoI) from the interested Construction Material Testing Laboratories having valid National Accreditation Board for Testing and Calibration Laboratories (NABL), International Standards Organization (ISO 9001:2015) Accreditation & Bureau of Indian Standards (BIS) approved lab For Establishing Laboratory In HPPWD Premises & Testing Of Various Materials Involved In The Construction OF ROADS, BRIDGES, Residential And Nonresidential Buildings On Behalf of Himachal Pradesh HPPWD.

The detailed credentials, information about infrastructure, work handling capacity, accreditations, empanelment in other Government & Semi Government Organizations, authorities, govt. bodies are to be furnished with documentary proof. The hiring lab shall be done strictly on merits amongst the applicant laboratories fulfilling the terms & conditions

1	Name of Work/ Project	Hiring NABL, ISO 9001:2015 & BIS Approved Laboratory For Establishing Laboratory in HPPWD Premises & Testing of Various Materials Involved In The Construction Residential And Non-residential Buildings On Behalf Of Himachal Pradesh HPPWD.
2	Location	Himachal Pradesh State
3	Website for viewing EOI	Departmental website htt://hppwd.gov.in
4	Website for viewing EOI/ downloading of EOI and also viewing of Corrigendum/Addendum, if any.	Departmental website htt://hppwd.gov.in
5	Estimated Cost of Work	NA
6	Cost of EOI Document	Rs. 5000 /- only offline in the shape of Bank Draft payable to the undersigned.
7	Amount of Earnest Money Deposit	-
8	Validity of Empanelment	3 years
9	Validity of EOI	120 Days
10	Pre-EOI Meeting	27-04-2026 at 12.00 PM
11	Offline Submission of EOI	28-04-2026 upto 11:00 AM in the office of the Engineer in Chief, Public Works Department Nirman Bhawan, Nigam Vihar Shimla- 171002(H.P) Phone No.0177-2621401

12	Opening Date	:	28-04-2026 upto 1:00 PM
13	HPPWD Communication address and execution of works	:	Engineer in Chief , Public Works Department Nirman Bhawan, NigamViharShimla-171002(H.P) PhoneNo.0177-2621401
If the office of HPPWD happens to be closed on the last date and time mentioned for any of the event, the said event will take place on the next working day at the same time and venue.			

The EoI document has to be downloaded from above specified websites. Applicants are advised to visit above specified websites regularly for updates/Amendments/Corrigendum, if any. The Updates/Corrigendum/Addendum shall be followed up to submission of EoI and it will be the part of EoI. The full details about the work, specifications, terms and conditions shall be available in the EoI.

The purpose of this EoI is to provide interested parties with information to assist the preparation of their EOI. While HPPWD has taken due care in the preparation of the information contain adhere in, and believe it to be complete and accurate, neither it nor any of its authorities or agencies nor any of its respective officers, employees, agents or advisors give any warranty or make any representations, expressed or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

Further, HPPWD does not claim that the information is exhaustive. Respondents to this EoI are required to make their own inquiries/ surveys and may be required to confirm, in writing, that they have done so and they did not rely solely on the information in EoI. HPPWD is not responsible if no due diligence is performed by the Applicants.

S/d
**Engineer in Chief Public Works Department Nirman
 Bhawan, Nigam Vihar Shimla-171002(H.P)**

PhoneNo.0177-2621401

1. INTRODUCTION & BACKGROUND

- a. Himachal Pradesh has a road network of over 38,500 Km comprising of National Highways, State Highways, Major District Roads and Rural Roads. Himachal Pradesh Public Works Department (HPPWD) looks after the construction and maintenance of National Highways, State Highways, Major District Roads and Rural Roads.
 - b. The responsibility for development and maintenance of National Highways in the state vests with MORT&H. The HPPWD acts on an agency basis to undertake construction and maintenance works on this national network as required by the MORT&H. However, the construction and maintenance of the State Highways, Major District Roads and Rural Roads are being looked after by the HPPWD. NHs, SHs and MDRs carry the bulk of the traffic and are the principal carrier of economic activities.
 - c. The construction of quality roads is very essential for utilization of national resources and capital cost and also to provide safe and comfortable journey to the road users with minimum operating cost. Though, the Contractor is primarily responsible for construction of quality road yet the role of other stakeholders is also equally important to ensure quality control/ assurance.
 - d. The construction of National Highways, State Highways, Major District Roads and Rural Roads are carried out as per the standards and specifications laid down in various IRC standards and MoRT&H Specifications for Road and Bridge Works and MoRD Specifications for Rural Roads.
The quality of natural materials, factory manufactured materials, specialized items (such as steel, bitumen, bearings, expansion joints, road signage's, crash barriers etc.), mix items are important for construction of quality roads. The various quality control tests on various ingredients and mixes and their frequencies are stipulated in MoRT&H specifications for road and bridge works and MoRD Specifications for Rural Roads. As such, it is important for all the stakeholders to ensure that all the quality test at the specified frequencies is conducted.
 - e. Various deficiencies to the finished product may occur if quality control/assurance is not ensured as per provision of MoRTH/ MoRd/IRC codes. Some of these deficiencies and areas of concern where attention of all the stake holders is required may be as under:-
 - I Inadequacy in thickness of granular/bituminous/concrete layers.
 - II Quantity of bitumen as per design mix.
 - III Not using specified grade of bitumen.
 - IV Depression/cracks in concrete slabs.
 - V Bituminous mix not conforming acceptance criteria.
 - VI All the tests specified in the IRC code/MoRTH/MoRD specifications for the materials i.e. Bitumen, Cement, Steel, Aggregate etc. and propriety items i.e. expansion joints, bearings etc. must be carried out at site laboratory or by third party, which are most often left out. All the tests required for soil and aggregates.
- I. Test on various in gradient sand mixes at the specified frequency.

- II. Bitumen is to be purchased from oil refineries rather than private agencies.
- III. Providing proper slope and compaction of earthen shoulder and embankments.
- IV. Shifting of utilities are to be done at the extreme boundary of ROW.
- V. Deployment of adequate personnel by the contractor and Engineer to ensure quality control / assurance.
- VI. The quality check and tests, as specified in contract agreement, are to be witnessed by the Authority's/ Engineer.

- b. The various aspects of quality control/assurance have been specified in IRC:SP:112-2017 "Manual for Quality Control in Road and Bridge works" which has to be referred in conjunction with MoRT&H specification for road and bridge works and MoRD Specifications for Rural Roads.

In order to ensure quality, HPPWD has established an in-house laboratory. Now, HPPWD wants to strengthen the existing laboratory with additional laboratory equipment's including consumables and manned by qualified engineers/technician.

f. Need for Well Equipped Laboratory

The quality of natural materials, factory manufactured materials, specialized items, mix items are important for construction of quality roads. The various quality control tests on various ingredients and mixes and their frequencies are stipulated in MoRT & H specifications for road and bridge works and MoRD Specifications for Rural Roads. As such it is important for all the stakeholders to ensure that all the quality test at the specified frequencies are conducted.

In this era of globalization, HPPWD needs a well-equipped laboratory, trained professionals and effective management system which assures good quality and best services so that high level of quality on the out going projects will be maintained. HPPWD is having an in-house laboratory. To ensure quality control/assurance of the construction of National Highways, State Highways, Major District Roads and Rural Roads, this laboratory needs to be strengthened with additional equipment's with consumables and manned by qualified engineers/technician. Further, it has been envisaged to outsource the Operation and Maintenance of this laboratory for testing & analysis of material through constant pursuit of excellence and commitment to quality.

SECTION II

I. SCOPE OF WORK

The in-house laboratory of HPPWD shall be provided with electricity supply, electrical wiring and points, all necessary electrical fittings and fixtures; potable water supply including pipes, pumps, storage tanks, plumbing, all necessary fittings and fixtures; security services etc. It shall include office space for the Materials Engineers, one from the service provider side and another from the Client's side, space for the installation of equipment, and space for other facilities. The laboratory shall be fitted complete with laboratory equipment, laboratory tables and cupboards, wash basins, toilet facilities, curing tank around 4mx2mx1m in size for the curing of samples, a fume chamber, working platform area of about 1mx10m against the walls, cupboards above and below the working platform, space for storage of accessories such as sample moulds, space for storage of samples etc. At least 4 racks of slotted angles and M.S. sheets shall also be provided. The furnishing in each of two offices of the Materials Engineers shall include working table and chairs.

Investment for establishing a laboratory will be done in selected laboratory in the premises of HPPWD, Nirman Bhawan, Shimla

Technical and Administrative staff will be provided by/hire of laboratory for Running the lab smoothly.

Quality of working will be carried out as per ISO 9001:2015 & NABL 17025:2017 and important certification if any.

Complete Confidentiality will be maintained by laboratory service provider.

Periodic Training will be given to the staff of HPPWD regarding testing. **Revenue will be shared between both the parties i.e. HPPWD & hired laboratory**

There would be no financial investment for establishing the lab on the part of HPPWD. This Lab will be open to many other departments for the other projects going (in H.P.) i.e. CHPPWD, NHAI, NPCC, NBCC, BSNL etc. which in turn will generate more revenue as per instruction of HPPWD.

Apart from above HPPWD will have facility of chemical testing in the Laboratory also.

Laboratory will be functioning on the name of HPPWD and hired laboratory name will not be displayed anywhere.

Electricity **bill of the lab** to be paid by HPPWD as already being paid.

Contract will be signed for minimum of 7 years from the date of award

revenue generated will be shared as follows. Hired Laboratory = 50 % and

HPPWD = 50

%. The parameters to be monitored for various projects shall be decided by HPPWD in discussion considering the nature of the project.

Sample testing of each and every component of works will be done as

Per standard codal formalities and as per instruction of HPPWD in the Lab.

The service provider firm shall arrange to maintain the laboratory in satisfactory manner and will carry stock of spare equipment and laboratory consumables until the completion of the contract period. Maintenance includes the day-to-day up keep of the laboratory building and the surroundings, attending to repairs to various parts of the building, furniture, fittings, office/laboratory equipment's and the concerned services as and when necessary, including the periodic white/color washing of building and painting of wood, steel work, replacing the broken window/door/ventilator, glasses, furniture and other hardware and maintaining necessary watch and ward during the day and night.

The service provider have to test the field samples at no extra cost on the approved rates.

At later stage, if it comes to knowledge that any false information has been submitted, agency hired for lab will be blacklisted immediately and legal action would be taken against them.

The tests shall be carried out as per BIS and other relevant code and standards shall be as per NABL.

Payment will be made to hired lab By HPPWD every month on or before 10th of every coming month for the total billing done during last month i.e 50% of the total billing is to be made to hired lab.

4. Facilities and services to be provided by the Client:

- a) Land/Space for Laboratory shall be provided by HPPWD.
- b) Existing equipment's available with the HPPWD shall be utilized for setting up of the laboratory.
- c) The HPPWD shall arrange to provide uninterrupted supply of electricity and water for the laboratory building. In case of failure of main power/water supply, alternate source shall be available for providing uninterrupted supply by the HPPWD.

II. PREQUALIFICATION DOCUMENTS

The EOI should contain the following documents as per the listed sequence. In case if an Applicant fails to submit any of the following documents, it may be considered non-responsive and may be rejected.

- i. The Applicant must be a Laboratory registered in India not less than 5 years old.
- ii. Applicant must have NABL accreditation of the Lab he is running and Applicant must have BIS accredited laboratory.
- iii. Must have Average Turn over of more than 1 Cr. in each of the last 3 years
- iv. Must have good presence in Himachal Pradesh projects
- v. Validity period of the NABL accreditation must be valid or audit date for renewal should be submitted .
- vi. The laboratory must have undertaken testing and analysis of construction materials of at least three Government Departments during last two years from the last date of submission of EOI. Documentary evidence from Clients for the works to be considered for evaluation. Works claimed without documentary evidence will not be considered for evaluation..

III. Number of EOI PER APPLICANTS

Each Applicant shall submit only 1 (one) EOI. An Applicant who submits or participates in more than one EOI will cause all the proposals with the Applicant's participation to be dis-qualified.

IV. JOINT VENTURE

Joint venture is not allowed

V. SITE LOCATION AND SITE VISIT

Intending Applicant(s) are advised to inspect and examine the existing Lab premises of Himachal Pradesh public works Department at Nirman Bhawan in Shimla at his own cost and satisfy themselves before submitting their EoIs as to the form and nature of the building ,the means of access to the site, the accommodation they

may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their EoI. An applicant(s) shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. Submission of an EoI by an applicant(s) implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions.

VI. PRE-EOI MEETING

The pre-EoI meeting will be held as mentioned in the NIT in the office of

**Engineer in Chief Public Works
Department Nirman Bhawan,
Nigam Vihar Shimla-
171002(H.P) Phone No. 0177-
2621401**

VII. COST OF EOI

The Applicant shall bear all the costs associated with the preparation and submission of EOI and HPPWD in no case will be responsible or liable for those costs, regardless of the conduct or outcome of the EOI process.

VIII. CLARIFICATION OF EOI DOCUMENTS

A prospective Applicant requiring any clarification of the EOI Documents may notify the Engineer in Chief, HPPWD, Himachal Pradesh who will respond to any request for clarification, if necessary. The queries may be sent to:

The pre-EOI meeting shall be held, as per the schedule mentioned in the NIT. The Applicants who are interested in attending the pre-EOI meeting may send their contact details viz. organization name, Name of the official, email address, mobile number etc. to at least one working day prior to the pre-EOI meeting.

IX. AMENDMENT OF EOI DOCUMENTS

At any time prior to the deadline for submission of EOIs, HPPWD may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Applicant, modify the EOI Documents by the issuance of a Corrigendum/Addendum. No modification of EOI shall be permissible after the last date of submission, whatever may be the reason. HPPWD may, at its discretion, extend as necessary the deadline for submission of EOI/EoI, if considered necessary.

X. LANGUAGE OF EOI

The EOI prepared by the Applicant and all correspondence and documents relating to the EOI exchanged between the Applicant and HPPWD shall be written in the **English language** only.

XI. DOCUMENTS COMPRISING THE EOI

The EOI to be prepared and submitted by the Applicant for consideration shall comprise of the following:

- i. All the pre qualification documents as per clause II**
- ii. Notarized Power of Attorney on Rs. 100 non-judicial stamp paper from the Applicant in respect of Authorized Signatory for the EOI.**
- iii. Certificate of registration/Incorporation Certificate.**
- iv. Documents for GST Certificate, PAN.**
- v. Information to be provided by the Applicant as per Annexure-I along with company profile**
- vi. EOI Acceptance Letter as per Annexure-II.**
- vii. Applicants' Organization Details as per Annexure-III**

- viii. Details of persons to be engaged in the designated project as per **Annexure-IV** & their CV's.
- ix. Letter of Undertaking Format For Undertaking Regarding Blacklisting / Non- Debarment **Annexure-V**.
- x. Integrity Pact as per **Annexure-VI**.
- xi. Details of the Laboratory along with the full list of equipment(s) and personnel available with the Laboratory,
- xii. Documents in Support of Registration, Ownership as well as Constitution and legal status of the Applicant
- xiii. Undertaking mentioning that firm has not been blacklisted/ De-registered/debarred by any Government department/ Public Sector Undertaking/ or any other agency for which they have Executed/ Undertaken the works/Services in the past.

Note: The authorized signatory of the Consultant shall initial all pages of the hard copy of the Technical Proposal.

1. MODIFICATION AND WITHDRAWAL OF EOIS

The Applicant may modify or withdraw his EoI prior to deadline for submission of EoI by giving modification or withdrawal notice in writing to HPPWD.

The Applicant's modifications or notice of withdrawal shall be prepared, sealed and clearly marked as "Modification" or "Withdrawal" as appropriate and delivered prior to dead line for submission of EoI in accordance with **ITB**.

No EoI will be modified after the deadline for submission of the EoI. Withdrawal of EoI between deadline for submission and expiry of EoI validity will result in suspension of lab being eligible for EOI in any contract with employer for the period of 3 years or any other period at the discretion of competent authority, starting on EoI submission closing date.

2. EOI DOCUMENTS

Entire set of EoI Document shall be submitted after filling it wherever required & signing each page as a token of acceptance of all terms & conditions of the EoI.

3. HPPWD'S RIGHT TO ACCEPT ANY EOI AND TO REJECT ANY OR ALL EOIS

HPPWD reserves the right to accept or reject any EoI, and to annul the EOI process and reject all EoIs, at any time prior to award of Contract, without thereby incurring any liability to the affected Applicant or Applicants or any obligation to inform the affected Applicant or Applicants of the grounds for HPPWD's action..

XII. EOI OPENING

HPPWD shall open the EoIs as per the schedule. The Applicant will be at liberty to be present either in person or through an authorized representative at the time of opening of the EoI. HPPWD will open the EoIs in the presence of Applicants'

representative who wish to attend on the time, date and venue as mentioned in EoI. The physical EoIs shall also be opened on the day of EoI opening.

The Evaluation will be done by the Quality Control Wing headed by Engineer-in-Chief HPPWD.

The Tender will be uploaded by Executive Engineer of HPPWD. EVALUATION OF EOI.

HPPWD reserves the right to reject the EoI under any of the following circumstances:

- i. EoI is incomplete and/or not accompanied by all required documents.
- ii. EoI is not in conformity with the terms and conditions.

Any other reasons due to which HPPWD finds that the Applicant is not eligible.

- I. HPPWD will examine the EoIs to determine their completeness in all respect as per the requirements of this EoI document. HPPWD may waive off any minor non-conformity or irregularity in EoI, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Applicant.
- II. HPPWD shall evaluate the EoI based on the documents submitted by the Applicant.
- III. HPPWD shall evaluate only the EoIs of the Applicants which meets the minimum eligibility criteria and are determined to be responsive.
- IV. Evaluation of the EoIs shall be based on the overall experience of the Applicants, their understanding of scope of work, and approach and methodology of the works to be undertaken.
- V. Distribution of Marks

S. No	Attribute s	Maximum Marks	Break up of Scoring	
			Sub- criteria	
1.	The Applicant Shall Have The Average Turnover For Last 3 Years:- 25 marks More then 10 crore-25 marks More then 5 crore to 10 crore-15 marks upto 5 crore- - 10marks			
	Empaneled With HPPWD along with NABL accreditation-20 marks Empaneled With HPPWD for more then 5 years-20marks Empaneled with HPPWD for more then 3 to 5 Years-12marks Empaneled with HPPWD for more then 1 to 3 Years -8 marks Empaneled with HPPWD upto 1Year -4 Marks			
3	NABLACCREDITED/BISRECOGNIZED/ISO9001:2015 CERTIFIED-30Marks BISRECOGNIZED-18MARKS NABLACCREDITED/ISO CERTIFIED-7MARKS NABL in Chemical testing experience of lab For 5 Years or more-5 Marks			
4	Key Personnel (Cvs/ Resumes Of Following Personnel Shall Be Considered For Evaluation):25 Marks			
A.	Team Leader cum Quality Control Expert-1Nos-10Marks			
	Minimum Qualification-Phd/ Post Graduate in Civil engineering			
B.	Minimum Experience in Quality Control of Civil engineering Materials-15Years			
	Civil cum Quality Engineer - 1Nos -5 Marks			
	Graduate in Civil Engineering			
	Minimum Experience in Quality Control of civil engineering Materials-10Years			
C	Technical Manager-1Nos-5 Marks			
	Graduate/Diploma in Civil Engineering			
	Minimum Experience in Quality Control of Civil engineering Materials-05 Years			
D	Senior Analyst-1Nos-2.5Marks			
	B.Sc.(Chemistry)/B.Tech /Diploma in Civil engineering			
	Minimum Experience in Quality Control of civil engineering Materials-05 Years			
E	Lab Technician-2Nos-2.5Marks			
	Graduation/Diploma in Civil engineering/ BSc.			
	Minimum experience in the field of Third Party Testing in similar assignment and role- 5Years			

XIV. AWARD & WORK DISTRIBUTION CRITERIA

- * **After evaluation on the basis of technical competency, HPPWD will hire the successful laboratory who have got maximum marks out of 100.**
- * HPPWD reserve the right to cancel the empanelment of any laboratory who will be found in volve din any type of wrong practice.
- * Charges towards testing will be decided by HPPWD time to time. Same will be informed to labs and they are bind to accept the same and conduct the inspection.

XV. SIGNING OF THE CONTRACT

Within 15 (Fifteen) days of receipt of the Letter of Award, on a date and time mutually agreed upon, or as specified in the Letter of Award, the successful Applicant or his authorized representative shall attend the office of the Engineer-in-Chief (Himachal Pradesh), Public Works Department, Nirman Bhawan, Nigam Vihar, Shimla-171002 (H.P.), for signing of the Contract Agreement. Failure on the part of the successful Applicant to comply with the above requirements will constitute sufficient grounds for the annulment of the Award and forfeiting of EoI Security. The initial term of contract will be for a period of seven years, which may be further extended as per consent of both the parties. In case the term of contract is not extended, valuation of machinery installed will be done by HPPWD and the amount decided as per valuation will be reimbursed to the party, or if not acceptable to the lab, then the same may be taken back by the lab.

XVI. SHORTFALL DOCUMENT

HPPWD may ask the Applicant for submission of additional documents, if required, in case of shortfall documents during the evaluation of the EoIs. These documents shall not be relating to submission of EMD or EoI fees. Request for documents and the response shall be in writing and no changes in the prices of the EoI shall be sought, offered or permitted. No modification of the EoI and any form of communication with HPPWD or submission of any additional documents, not specifically asked for by HPPWD, will be allowed and even when submitted, they will not be considered by HPPWD.

XVII. CONFIDENTIALITY OF EOIS

After the public opening of EoIs, information relating to the examination, clarification, evaluation and comparison of EoIs and recommendations concerning the Award of Contract shall not be disclosed to Applicants or other persons not officially concerned with such process. Any effort by an Applicant to influence HPPWD in the process of examination, clarification, evaluation and comparison of EoIs, and in decisions concerning Award of Contract, may result in the rejection of his EoI.

XVIII. CLARIFICATION OF EOIS

To assist in the examination, comparison and evaluation of EoI, HPPWD may ask Applicants for clarification of the EoIs, if any. But no change in price or substance of EoI will be sought, agreed or permitted. The request for clarification and its response shall invariably be in writing.

XIX. DELIVERABLES

- ❖ Test reports having details of calculations, calibration and the specified limits as per IS code are to be submitted within 15 days of conducting the test.
- ❖ Test reports are to be provided in the format prescribed by QCI as a part of NABL accreditation.
- ❖ Reports are to be signed by authorized signatory.
- ❖ Laboratory will submit monthly reports to HPPWD in soft as well as in 2 set of hard copies without fail. Laboratory team will accompany the HPPWD team on regular basis.

i. Payment Terms

- ❖ 100% payment will be given after acceptance of final report and once payment is received from client.
- ❖ Rate of test conducted will be decided by principle client time to time and Laboratory will be bind to accept the testing charges decided by principle department i.e. Himachal Pradesh Public Works Department.
- ❖ Sample will be collected in field during site visits in presence of HPPWD Engineer, Client representative and a Performa will be signed by all three i.e. Lab Representative, HPPWD Engineer.
 - ❖ LAB will submit their report to HPPWD and subsequently their GST bill to HPPWD in line with approved rate by client.
 - ❖ Full payment to laboratory will be made i.e. 50% of the total billing of the month on every 10th of the coming month.

XX. ARBITRATION

All disputes arising between the parties as to the operation interpretation or effect of any clause in this document or any other difference arising between the

parties which cannot be mutually resolved , shall be referred to arbitrator as mutually agreed by the parties . The decision of such arbitrator shall be binding on the parties.

SECTION-III Annexure

ANNEXURE-I INFORMATION TO BE FURNISHED BY THE APPLICANTS

Sr. No	Particulars	Details
	Name of the organization	
	Address for Correspondence	
	Contact Person Details :Name: Tele phone Nos. Mobile No. Fax: Email	
	Format of Bid Acceptance Letter	Annex-II
	Organization Details	To be filled as per Annex-III
	Name(s) of the persons along with their qualification and designation, who is authorized to deal with HPPWD (Attach Power of Attorney)	
	Organization Chart of Key Personnel	
	List of permanent professional Employees and Key Personnel mentioning their specialization ,qualifications, experience and association with the firm	Self-Certified Copies to be enclosed
	Undertaking Regarding Blacklisting / Non-Debarment	To be filled as per Annex-V
	Integrity Pact	To be filled as per Annex-VI

ANNEXURE-II
FORMAT FOR EOI ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date: _____

To,
Engineer in Chief (Himachal Pradesh) Public Works Department
Nirman Bhawan, Nigam Vihar
Shimla-171002(H.P)

Subject: Acceptance of Terms & Conditions of the EoI Document.

Work Name: _____

EoI No.: _____

Dear Sir,

1. I/ We have downloaded/ obtained the EoI document for the above mentioned "EoI" from the web site namely:

_____ As per your advertisement, given in the above-mentioned website.

2. I/ We hereby certify that I/ we have read the entire terms and conditions of the EoI documents from page no. _____ to _____ (including all documents like annexure, etc., which shall form part of the contract agreement and I/ we shall abide by the terms/conditions/clauses contained therein.

3. The corrigendum/Addendum issued from time to time by your department / organization too has been taken into consideration, while submitting this acceptance letter

4. I/ We here by unconditionally accept the conditions of above- mentioned EoI document(s)/corrigendum/Addendum in its totality /entirety.

5. I/ We do hereby declare that our Company has not been blacklisted/debarred by any Govt. Department/ Public Sector Undertaking.

6. I/ We certify that all information furnished by the our Firm/Company is true & correct and in the event that any information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore, / summarily reject our bid or terminate the contract (if awarded), without prejudice to any other rights or remedy including the suspension from being eligible for bidding in any contract with employer for the period of 3 years or any other period at the discretion of competent authority, starting on bid submission closing date.

Yours
Faithfully, (Signature & Seal of the Bidder)

**ANNEXURE – III
ORGANIZATIONAL
DETAILS**

Sr. No.	Particulars	Details
	Organizational Set-up: <ul style="list-style-type: none"> - Year of Establishment - Status of Firm (Proprietorship / Partnership / Any other) - Place and Year of Incorporation - Name of Directors / Partners / Proprietors - Empanelment with Govt. Organizations (Mention names along with copies of Certificates) - 	
	ISO Certification	
	Name of the Bank Account Number: IFSC Code: Name & Address of the Branch: MICR Code:	
	IT Pan Number GST Number MSME Registration Number and Validity	

Yours

Faithfully,(Signature & Seal of the

Bid der)

**ANNEXURE-VII
PERFORMA
FORMANPOWER**

Note:

- Attach Signed CV As per the below given format only. CV in any other format will not be considered in evaluation.
- Attach copies of self-attested qualification

The bidders must give an undertaking that they will provide the staff as and when required. The signed CVs and qualification proofs of the team shall be provided in the technical bid.

Signature of the Bidder with Seal.

**ANNEXURE –IV
CVFORMAT**

1.PROPOSEDPOSITION				
2.NAMEOFFIRM				
3.NAMEOFSTAFF				
4.DATEOFBIRTH				
5.NATIONALITY				
6.EDUCATION				
7. MEMBERSHIP INPROFESSIO NALASSOCIA TIONS				
8.SPECIFICTRAINING				
9.WORKEXPRIENCE				
10.LANGUAGESKILLS	LANGUAGES	SPEAKING	READING	WRITING
11.EMPLOYMENTRECORD:				
MONTH&YEAR(FROM–TO)	EMPLOYER		POSITIONHELD	
12. DETAILEDTASKSASSIGNED:				
13.WORK UNDERTAKENTHATBESTILLUSTRATESCAPABILITYTOHANDLETHETASKASSIGNED:				
Name of assignment: Year: Location: Client: Main Project Features :Positions Held: Activities Performed :				
I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.				
Date: Place: Name of authorized representative of the Consultant:				

ANNEXURE – V
FORMAT FOR UNDERTAKING REGARDING BLACKLISTING / NON-DEBARMENT
(To Be Submitted on Bidder's Original Letter Heard)

Name of work:

Ref.: Tender No.....

Dated.....

To,

**Engineer in Chief (Himachal Pradesh) Public Works Department
Nirman Bhawan, Nigam Vihar
Shimla-171002(H.P)**

This is to certify that we have taken the cognizance of Blacklisting Policy of HPPWD. Further, we hereby confirm and declare that we, M/s _____, is not blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services during the last 5 years.

For -----

Authorized Signatory

Date:

Place:

FORMAT FOR AGREEMENT

[Note: This Performa is included in the Bidding Documents only for the information of Bidders. Only the successful Bidder shall, in due course, be required to fill this Performa.]

THIS AGREEMENT MADE the _____ day of _____ BETWEEN HPPWD

_____ Of (Mailing address of HPPWD) _____ (here in after called
“Employer”) of the one part and (Name of Lab) _____

(hereinafter called “the Lab”) of the other part.

WHEREAS the HPPWD is desirous that “ ” (hereinafter referred to as “the Work”) should be executed by the Lab AND WHEREAS by a Letter of Award No. _____ dated _____, HPPWD has accepted a Bid by the Lab for the execution and completion of such Works AND WHEREAS the Lab has agreed to undertake such work and furnish a performance security pursuant to the Clause 2.38 of the Section-II ‘Instructions to Bidders’.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - a) The Agreement
 - b) The Letter of Award
 - c) Corrigendum / Amendments, if any
 - d) Documents furnished by bidder
 - e) Notice Inviting EoI (NIT)
 - f) Instructions to Bidders
 - g) General Conditions of the Contract
 - h) Annexures
 - i) Any other documents as forming part of the contract
3. The aforesaid documents shall be taken as complementary and mutually explanatory of one another.
4. In consideration of the payment to be made by the HPPWD to the Lab as hereinafter mentioned, the Lab hereby covenants with the ‘HPPWD’ to execute and complete the Works in conformity, in all respects, with the provisions of the Contract.
5. The ‘HPPWD’ hereby covenants to pay the Lab in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the contract at the time and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused their respective common seals to be hereunto affixed (or have hereunto set their respective hands and seals) the day and year first above written.

SIGNED, SEALED AND DELIVERED

By the said

By the said

NAME _____

NAME _____

On behalf of the Lab in the
presence of:

On behalf of the
HPPWD in the
presence of:

NAME _____

NAME _____

Address _____

Address _____

#Form6andForm8willbepartofthisagreement

**ANNEXURE-VI
FORM FOR
INTEGRITY PACT**

To, **Engineer in Chief(Himachal Pradesh)Public Works Department Nirman Bhawan, Nigam Vihar Shimla-171002(H.P)**

Sub: Submission of EoI for the work(Name of Work)

Dear Sir,

I/We acknowledge that HPPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the EoI/bid document. I/We agree that the Notice Inviting EoI(NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of EoI documents, failing which I/We will stand disqualified from the EoI process. I/We acknowledge that **THE MAKING OF THE BID SHALL BE REGARDED AS A N UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when EoI/bid is finally accepted by HPPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 6 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the EoI/bid, HPPWD shall have unqualified, absolute and unfettered right to disqualify the EoIer/ bidder and reject the **EoI / bid is in accordance with terms and conditions of the EoI / bid.**

**Yours faithfully,
(Duly authorized signatory of the Bidder)**

)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of HPPWD

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of 2026

BETWEEN

HPPWD (Hereinafter referred as the Employer which expression shall, unless repugnant to the meaning or context hereof, include its successors and permitted assigns)

AND

(Name and Address of the Lab)

Hereinafter referred to as the “Bidder / Lab” (which expression shall, unless repugnant to the meaning or context hereof, include its successors and permitted assigns)
(Details of duly authorized signatory)

Preamble

WHEREAS the Employer has floated the EoI (NIT No. _____) (hereinafter referred to as “EoI / Bid”) and intends to award, under laid down organizational procedure, contract for _____ (Name of work), hereinafter referred to as the “Contract”.

AND WHEREAS the Employer values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relation with its Bidders.

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the EoI / Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Employer

1. The Employer commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - a. No employee of the Employer, personally or through any of his / her family members, will in connection with the EoI, or the execution of the Contract, demand, take a promise

for or accept, for self or for third person, any material or immaterial benefit which the person is not legally entitled to.

b. The Employer will, during the EoI process, treat all Bidder(s) with equity and reason. The Employer will, in particular, before and during the EoI process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the EoI process or the Contract execution.

- c. The Employer shall endeavour to exclude from the EoI process any person, whose conduct in the past has been of biased nature.
2. If the Employer obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Employer will inform the Chief Vigilance Officer and, in addition, can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s) / Lab(s)

1. It is required that each Bidder / Lab (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the HPPWD all suspected acts of fraud or corruption or coercion or collusion of which it has knowledge or becomes aware, during the EoIing process and throughout the negotiation or award of a contract.
2. The Bidder(s) / Lab(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the EoI process and during the Contract execution:
 - a. The Bidder(s) / Lab(s) will not, directly or through any other person or firm, offer, promise or give to any of the Employer's employees involved in the EoI process or execution of the Contract or to any third person any material or other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the EoI process or during the execution of the Contract.
 - b. The Bidder(s) / Lab(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c. The Bidder(s) / Lab(s) will not commit any offence under the relevant IPC / PC Act. Further, the Bidder(s) / Contract(s) will not use improperly (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Employer as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s) / Lab(s) of foreign origins shall disclose the names and addresses of agents / representatives in India, if any. Similarly, Bidder(s) / Lab(s) of Indian nationality shall disclose names and addresses of foreign agents / representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in an EoI, but not both. Further, in cases where an agent participates in an EoI on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent / parallel EoI for the same item.
 - e. The Bidder(s) / Lab(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Lab(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/ Lab(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and / or to influence the procurement process to the detriment of the HPPWD interests.
5. The Bidder(s) / Lab(s) will not, directly or through any other person or firm, use coercive practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the EoI process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Lab under law or the Contract or its established policies and laid down procedures, the Employer shall have the following rights in case of breach of this Integrity Pact by the Bidder(s) / Lab(s) and the Bidder / Lab accepts and undertakes to respect and uphold the Employer's absolute right:

1. If the Bidder(s) / Lab(s), either before award or during execution of Contract, has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Employer, after giving 14 days' notice to the Lab, shall have powers to disqualify the Bidder(s) / Lab(s) from the EoI process or terminate / determine the Contract, if already executed, or exclude the Bidder / Lab from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Employer. Such exclusion may be forever or for a period as decided by the Employer.
 2. Forfeiture of EMD / Performance Guarantee / Security Deposit: If the Employer has disqualified the Bidder(s) from the EoI process prior to the award of the Contract or terminated / determined the Contract or has accrued the right to terminate / determine the Contract according to Article 3(1), the Employer, apart from exercising any legal rights that may have accrued to the Employer, may, in its considered opinion, forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Lab.
 3. Criminal Liability: If the Employer obtains knowledge of conduct of a Bidder / Lab, or of an employee or a representative or an associate of a Bidder / Lab which constitutes corruption within the meaning of IPC Act, or if the Employer has substantive suspicion in this regard, the Employer will inform the same to law enforcing agencies for further investigation.
-

Article 4: Previous Transgression

- 1.The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anti-corruption approach or with Central Government or State Government or any other Central / State Public Sector Enterprises in India that could justify his exclusion from the EoI process.
- 2.If the Bidder / Lab makes incorrect statement on this subject, he can be disqualified from the EoI process or action can be taken for banning of business dealings / holiday listing of the Bidder / Lab as deemed fit by the Employer.
- 3.If the Bidder / Lab can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Employer may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders / Lab

- 1.The Bidder / Lab shall be responsible for any violation(s) of the principles laid down in this agreement / Pact by any of its Sub Contractors / sub-vendors.
- 2.The Employer will enter into Pacts on identical terms as this one with all Bidders / Lab.
- 3.The Employer will disqualify Bidders who do not submit the duly signed Pact between the Employer and the bidder along with the EoI or violate its provisions at any stage of the EoI process, from the EoI process.

Article 6: Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Lab / Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more, and for all other bidders, till the Contract has been awarded.
 If any claim is made / lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged / determined by the Competent Authority, HPPWD.

Article 7: Other Provisions

- 1.This Pact is subject to Indian Law; place of performance and jurisdiction is the Headquarters of the Employer who has floated the EoI. Changes and supplements need to be made in writing. Side agreements have not been made.
- 2.If the Lab is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 3.Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 4.It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Employer in accordance with this Integrity Agreement / Pact or interpretation thereof shall not be subject to arbitration.

Article 8: Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and / or law, and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the EoI / Contract documents with regard to any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Bidder / Lab)
 WITNESSES:

(Signature, name and address)

(Signature, name and address)

Sr. No.	Product	Test Parameter	Instruments	Qty.
1	Cement	Fineness by Blaine air permeability	1.Blaineairpermeability,	1seteach
2		Initial Setting Time	2.Lechatlierapparatus	
3		Final Setting Time	3.Vicatapparatus	
4		Soundness by Lechat Lier method	4. Compressive testing machine	
5		Soundness by Autoclave method	5.Lechatlierflask	
6		Compressive strength	6.Flowtable	
7		Specific gravity	7.Lechatlierwaterbath,	
8		Consistency	8.Humiditychamber,	
9			9.Weighingbalance,	
10			10Gaugingtrowel,	
11			11.Stopwatch,	
12			12.Lengthcompactor,	
13			13Filterpaper	
14			14.Verniercalipers	
15	Bricks	Dimension	1.Measuringtape,	
16		Water absorption	2.Curingtank,	
17		Compressive strength	3.Compressingtestingmachine,	
18		Efflorescence	4.weighingbalance,	
19			5.Hotairoven,	
20			6.Evoprationdisc	
21		Sieve analysis	1.ISSieves	
22		Impact value	2. Compressive testing machine	
23		Crushing value	3.Impacttester	

24	Coarse aggregate	Abrasion value	4. Los angles abrasion machine
25		Specific gravity	5. Weighing Balance
26		10% fine value	6. Buoyancy Balance
27		Water absorption	7. Measuring cylinders
28		Bulk density	8. Length & thickness gauge
29		Elongation & Flakiness	9. Hot air oven
30		Natural Moisture content	10. Tray
31		Material passing 75 micron sieve	11. Heavy solution for coal lignite
32		Fineness modulus	
33		Clay lumps	
34	Coarse A aggregate	Coal lignite	
35	Fine Aggregate	Sieve analysis	1. IS Sieves
36		Specific gravity	2. Weighing Balance
37		Water absorption	3. Hot air oven
38	Fine Aggregate	Bulk density	4. Pycnometer
39		Natural Moisture content	5. Measuring cylinder
40		Material passing 75 micron sieve	6. Sedimentation apparatus
41		Fineness modulus	7. Heavy solution for coal & lignite 8. Tray
42		Clay lumps	
43		Coal lignite	
44		Silt content	
45	Soil	Grain size analysis	1. IS Sieves
46		Liquid limit	2. Hydrometer
47		Plastic limit	3. Casagrande apparatus
48		Proctor Test	4. Soil Proctorometer
49		Modified Proctor Test	5. Light rammer
50		Freeswell index	6. MDD mould
51		CBR Test (Soaked/Unsoaked)	7. Heavy Hammer
52		UCS Test	8. Direct shear apparatus
53		Moisture content	9. CBR Apparatus
54		Specific gravity	10. UCS apparatus

55	Field density by soil core cutter method	11. Density bottle	
56	Field density by soil sand replacement method	12. Kerosene oil	
57	C & Phi Value	13. CBR Mould & weights	
58		14. Soil core cutter	
59		15. Rapid moisture meter	

60			16. Sand replacement apparatus	
61			17. Weighing balance	
62			18. 1000ml Measuring Cylinder	
63			19. 100 ml measuring cylinder	
64			20. Tincans	
65			21. Hot air oven	
66			22. Chinadisc	
67			23. Glass plates	
68			24. Spetula	
69			25. Filter paper	
70			26. Standard sand	
71			27. Wash bottle	
72			Paver Blocks	
73	Paver Blocks	Compressive Strength	2. Compressive testing machine	
74		Water absorption	3. Flexural Testing Machine	
75		Flexural strength	4. Hot air oven	
76		Tensile splitting strength	5. Tensile splitting machine	
77		Squareness	6. Filler gauge	
78		Dry abrasion	7. Abrasion machine	
79		Wet abrasion	8. Weighing balance	
80		Breaking load	9. Cardboard	
81		Failure Load per unit length	10. Paver cutting machine	
82		Wearing face area	11. Scale	
83	Paver Blocks	Freeze & thaw	12. Deep freezer	
84			13. Humidity chamber	

85	ACC Block	Dimension	1.Compressingtestingma chine		
86		Compressive strength	2.Hotair oven		
87		Transvers	3.weighingbalance		
88		Density		4.Verniercalipers	
89				5.SteelScale	
90			6.Tranversetestingma chine		
91	Steel Bar, Wire, Pl ates	Tensile strength	1. UTM		
92		Yield strength	2.TTM		
93		Elongation	3.Rockwellharnessm achine		
94	Tiles	Floor Tiles and oil wall tiles	All test of wall tiles and floor tiles.		
95	Paints and furnishes	Oil paints and enamel paints	All test of paints and furnishes.		
96		Weight per metre length	4. Brinell hardness machine		
97		Bend test	5. Vickers hardness machine		
98		Re bend test	6WeighingBalance		
99		Rock well hardness	7.Verniercalipers		
100		Brinell hardness	8.markingtools		
101		Vickers hardness	9.Waterbath		
102		Total % Elongation	10.Extensnometer		
103		0.2%proofstress	11.Mandrel		
104		Bitumen	Penetration	1.Bitumenpenetrometer	
105	Specific gravity		2.Ring&Ballapparatus		
106	Softening point		3. Cleveland open cup apparatus		
107	Ductility		4.Ductilityapparatus		
108	Flash & fire point		5.Viscositybath		
109	Matter solubility in trichloroethylene		6. 12 & 6 no viscosity tubes		
110	Loss on heating		7.Lossonheating oven		
111	Absolute viscosity		8.Densitybottle		
112	Kinematic viscosity			9.Conicalflask	
113				10.Glycerine	
114			11.Dextrinepowder		
115	Bitumen		12.Vaccumpump		
116		Binder Content	1.Centrifugalextractor		

117	Flexible pavement	Density of core	2. Benzene	
118		Grading	3. IS sieve	
		Thickness of pavement	4. Buoyancy Balance	
119			5. Vernier calipers	
120		Deflection of pavement	6. Benkelman Beam apparatus.	
121	Concrete Cubes, Beams & cores	Compressive strength	1. Compressing testing machine	
122		Water permeability test	2. Tensile splitting machine	
123		Tensile splitting strength	3. Water permeability apparatus	
124		Density	4. Vernier caliper	
125		Moisture content	5. hot air oven	
126		Flexural strength	6. Flexural testing machine	
125		Dimension		
126	NDT	Rebound hammer test	1. Rebound hammer	
127		Ultra sonic pulse velocity	2. UPVT apparatus	
128		Core cutting	3. Core cutting machine	
129		Carbonation	4. Indicator Chemical	
130	Design mix	Design Mix	1. Concrete mixture	
131		Slump Test	2. Slump cone apparatus	
132	GSB, WMM, WBM, M,	Grading	1. IS Sieves	
133		Impact value	2. Impact tester	
134		Crushing value	3. Compressive testing machine	
135		Combined elongation & flakiness	4. Length & thickness gauge	
136		Water absorption	5. Hot air oven	
137		Liquid limit	6. Casagrande apparatus	
138		Plastic limit	7. CBR testing machine with moulds	
139		CBR Test (Soaked/Unsoaked)	8. Curing tank	
140		Proctor Test	9. Soil core cutter	
141		Modified Proctor Test	10. Rapid moisture meter	
142		Field density by sand replacement method	11. Sand replacement apparatus	
143		Job mix		

144		SDAC	1.Pavementcompactor		
145		BC	2.Hotplate		
146	Bitumen Job mix	BM	3.Filterpapers		
147			4.Tray		
148			5.Parafinwax		
149			6.BuoyancyBalance		
150			7.Marsellapparatus		
151	Chemicals	Construction water Drinking water Soil Steel Wire Alloy Concrete Fine aggregates Coarse aggregate Cement Fly ash Bitumen Asphalt Concrete cores Stainless steel Copper Aluminium HDPE pipe,	In chemical labs		
			300 kg balance		
			Triple beam balance 25 kg capacity with 1 gm accuracy	2	
			Enamel trays:		
			600 x 450 x 50	10	
			450 x 300 x 40	10	
			300 x 250 x 40	6	
			Circular plates of 250 mm dia	6	
			Water testing kit	1	
			First aid box	1	
			Spatula set of 10 mm and 200 mm long	3	
			Pickaxe, shovel, fork	1	
			Sledge hammer, lump hammer, wooden pegs	1	
			Maximum and minimum thermometer	1	
			Rain gauge	1	
			Timer (0–60 minutes) with alarm & 1/5 sec accuracy	3	
			Sampling tins with lid 100 mm dia x 75 mm height, 1/2 kg capacity	12	
			CBR moulds		
			Tripod stand for holding dial gauge	24	

holder	
Surcharge weight (147 mm dia, 2.5 kg)	24
Perforated plate	48
	24

152

Miscellaneous
equipmentMiscellaneous
equipment

proving ring of 1000kg2500kg5000 kg	1of each
dialgauges25mmtravel0. 01mm/division	10
aluminiumtins	
50x30	36
55x35	36
70x45	36
70x50	36
80x50	36
speedy moisture metercompletewithche micals	2
ucsapparatus	1
rifleboxofslotsizeof50 mmastmc-136	1
hydrometerwithhighs peedstirrerjar	2
postholeaugur	3
bitumenlaboratorymixer	1
automaticasphaltcontentg auge	1
vacuumviscometer	1
Utubeviscometer	1
pensky martin closed cuptesterforflash&firepoin t	1
floattestapparatus	1
dean&starkapparatus	1
apparatusforstoarages tabilitytest	1
Sandequilentapparatus	1
masticasphalthardnesst estingequipment	1
automaticasphaltcontent meter	1
concrete core cappingapparatuswithc appingmaterials	1
100mmcubemould	1
compactionfactortesta pparatus	1
needlevibration	1

153	Ceramic Tile/Cement Concrete tile /Vitrified Tile/ Vitrified Glazed tile	Abrasion	Abrasion testing Machine	1
		MOR Test	MOR TESTER MACHINE	1
		Water Absorption	1. Water Tank 2. Hot Air Oven 3. Weighing Balance	1
		Hardness	Mohr's Scale	1
		Chemical Resistance	Chemicals	1
		Crazing Resistance	Autoclave Oven	1
		Dimension	Vernier Caliper	1
		Flatness, Straightness, Perpendicularity	Thickness Gauge Right Angle Thread	1
154	Benkelman Beam deflection Test	Benkelman beam	Benkelman beam apparatus	1
155	SPT	Soil Bearing Test	1. Rig Machine 2. Calyx Machine 3. DCPT Apparatus 4. SPT apparatus	1
156	Paint	Viscosity Test	Fourd Cup	1
		Drying Time	Cement Plaster Sheet	1
		Gloss Test	Gloss meter	1
		Finish	Visual/Metal sheet	1
		Colour	Colour Meter	1
		Alkalify Resistance	Chemicals	1
		Volume solid	Balance	1
		Temperature stability	Oven & Metal Sheet	1
		Consistency	Glass beaker	1