GOVERNMENT OF JAMMU AND KASHMIR DESIGNS INSPECTIONS & QUALITY CONTROL DEPARTMENT (J&K) Office of the Research Officer

Road Research and Material Testing Laboratory, Gogjibagh, Srinagar.

NOTICE INVITING TENDERS

e-NIT No: DIQCD/RR&MTL-SGR/01 of 2016-2017

Subject/Scope: Tenders for the supply of laboratory equipment/machinery/miscellaneous laboratory/field use items, as part of post flood restoration/up-gradation of laboratories of Designs, Inspections & Quality Control Department, stationed at Gogjibagh, Srinagar.

For and on behalf of Governor of J&K State, *e-tenders* on item rate basis are invited from the Principal Manufacturers/Licensed and Authorized Suppliers/Channel Partners/Reputed Agencies/Registered firms, for supply of Laboratory equipment and miscellaneous laboratory/field use items, as per the details/specifications in the relevant <u>online</u> BOQ/Bill of items document, associated with this e-notice inviting tenders.

1.0 Following important instructions may be clearly noted:

- 1) Complete process of tendering/bidding will be strictly online. The tender/bidding documents can be downloaded from the J&K State e-procurement portal/website http://jktenders.gov.in from 27-09-2016 starting at 11:30 AM. The tender documents/bidding documents contain information about qualifying criterion for potential bidders, Specifications/List of equipment to be supplied, Terms and conditions/other important technical details.
- 2) Any technical clarification with regards to supply of Laboratory equipment/miscellaneous laboratory/field use items, shall be discussed/addressed to all potential bidders in pre-bid meeting in the Office of Research Officer Road Research & Material Testing Laboratory, Design Inspection and Quality Control Department, Gogjibagh, Srinagar, on 30-09-2016, starting 10:30 AM, as may be convenient to attend, for potential bidders. However, the supplier shall be unequivocally deemed to have fully understood the conditions, specifications, size, patterns, make, model etc., of all the articles/items/machinery/equipment to be supplied.
- 3) The bids shall be deposited strictly in prescribed electronic format as available under above e-NIT reference at the website http://jktenders.gov.in, from 01-10-2016 starting 12:30 PM to 30-10-2016, ending 4:30 PM.
- 4) Bids must be accompanied by the bid security deposit/earnest money deposit (EMD) in the shape of valid DD/FDR/CDR with net value of Rs. 45,000/= (Forty Five Thousand Only), pledged to Chief Engineer, Designs, Inspections & Quality Control, J&K, Jammu, from a Nationalized/ Schedule bank having a branch in Jammu. The DD/FDR/CDR shall be retained in case of successful tenderer and shall be released, subsequently, in case of unsuccessful tenderers. Any tender without earnest money shall be explicitly liable to rejection. No Cheque shall be accepted on this account. The tenders bearing reference to any earlier CDR,

Dated: 22-09-2016

- which may be pending in the Designs Inspections & Quality Control Department, shall be rejected out rightly.
- 5) All original/hard document copies of assorted nature, which have been specifically asked for submission under prequalification criterion, including EMD, should strictly reach to the office of Chief Engineer, Designs Inspections and Quality Control Department, (J&K), Bagwati-Nagar, Canal Road, Jammu-180007, on or before 29-10-2016 upto 04:30 PM. If the said office happens to remain closed on the date of receipt as specified, the EMD/other pertinent prequalification documents will be received on the next working day at the same time and venue. The intending bidder will not put any other unnecessary document in the Hard Copy, except for what has been asked and as strictly uploaded by him/her, for his/her technical qualification criterion.
- 6) The technical bids (only) of all potential bidders shall be opened online at J&K-NIC Office, Jammu or in the Office of The Chief Engineer, Design Inspection and Quality Control Department, Canal Road, Jammu (J&K), on or after 01-11-2016 at 12:00 Noon. This process is conveyed to the potential bidders automatically through an e-mail message on their respective e-mail ID's.
- 7) After due online opening/evaluation of prequalification documents (Technical Bids) of all potential bidders, the information about successful bidders, with respect to technical qualification, shall be subsequently published/uploaded on the website http://jktenders.gov.in.
- 8) Financial bids, of all technically qualified potential bidders, shall be subsequently opened online at J&K-NIC Office, Jammu or in the office of The Chief Engineer, Designs Inspections and Quality Control Department, Canal Road, Jammu (J&K).
- 9) The bid for the supply of equipment shall have to remain open for acceptance/supply for a period of 120 days from the date of opening of bids/placement of purchase order. If any bidder/tenderer withdraws his/her tender before the above said period, or makes any modification in the terms and conditions of the bid, the EMD amount of the corresponding bidder shall stand forfeited.
- 10) No Engineer of the Gazetted rank or other Gazetted Officer, employed in Engineering or Administrative duties in an Engineering Department of the State Government is allowed to work as a contractor/Supplier for a period of two years after his retirement from the Government services, without permission of the Government. This contract/supply tender is liable to be cancelled if either the Contractor/Supplier or any of his employees is found any time to be such a person who has not obtained the permission of the government as aforesaid, before the submission of the tender or his/her engagement in the contractors/suppliers service.
- 11) Any original/hard tender document copies (COMPULSORY PREQUALIFICATION DOCUMENTS) received on expiry of the prescribed date and time, will be treated as an invalid tender, and same shall be duly returned to the tenderer, subsequently. Any potential delay in manual/postal delivery of the tender shall indisputably be the sole responsibility of the tenderer.

| | IMPORTANT DATES & TIME DEA | DLINES |
|------|---|--|
| S.No | Description of Date & Time Deadline | Date & Time Deadline |
| 1. | The tender/bidding documents can be downloaded. | From 27-09-2016, starting at 11:30 AM. |
| 2. | Pre-bid meeting in the Office of Research Officer Road Research & Material Testing Laboratory, Design Inspection and Quality Control Department, Gogjibagh, Srinagar, as may be convenient, to attend, for potential bidders, from within or outside the J&K State. | On 30-09-2016, starting 10:30 AM. |
| 3. | The bids shall be deposited. | From 01-10-2016 starting 12:30 PM to 30-10-2016, ending 4:30 PM. |
| 4. | All Hard documents under prequalification criterion, including EMD, should reach to the office of Chief Engineer, DIQC Department, (J&K), Canal Road, Jammu. | On or before 29-10- 2016 upto 04:30 PM. |
| 5. | Technical Bid Opening at Office of The Chief Engineer, Design Inspection and Quality Control Department, Canal Road, Jammu (J&K). | On or after 01-11-2016 at 12:00 Noon. |
| 6. | Financial Bid Opening of Technically Qualified Bidders at Office of The Chief Engineer, Design Inspection and Quality Control Department, Canal Road, Jammu (J&K). | Subsequently after 01- 11-2016 (Subjected to Evaluation of Technical Qualification of Bidders) |

2.0 Instructions to potential bidders regarding e-tendering process.

- a) The interested bidder can download the bidding document from the website http://jktenders.gov.in.
- b) To participate in bidding process, bidders have to get 'Digital Signature Certificate (DSC)' class III (b) as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mention digital certificate from any approved vendors. The Bidders, who already possess valid Digital Certificates, need not to procure new Digital Certificate.
- c) The bidders have to submit their bids online, strictly, in electronic format with Digital Signature. The bids proposed without digital signature will not be accepted. No proposal will be accepted in physical form.
- d) Bids will be opened online as per time schedule mentioned above.
- e) Before submission of online bids, bidders must ensure that scanned copy of all the necessary/requisite documents have been attached with on-line bid (Note: Scan all the documents on 100 dpi with black and white option).
- **f)** The department will not be responsible for delay in online submission due to any reasons (technical/non-technical) whatsoever.
- g) All the required information's for bid must be filled and submitted online.
- h) Bidders can contact the Office of The Chief Engineer, Designs Inspections and Quality Control Department, J&K or Research Officer, RR&MTL, Srinagar, or State NIC Authorities

- for any guidance for getting DSC or any other relevant details in respect of e-tendering process.
- i) Bidders are advised not to make any change in BOQ (Bill of Quantities/Bill of Items) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the net item rate inclusive of all taxes and it should be saved with the same name as it contains.
- j) Bidders are advised to use "My Documents" area in their user on e-tendering portal to store important documents which are used in all tenders like VAT Certificate, Sales Tax Clearance Certificate, etc. and attach these certificates as Non-Statutory documents while submitting their bids.
- **k)** The guidelines regarding submission of bid online can be downloaded from website http://jktenders.gov.in.
- I) The bidders for any clarification can log on to the departmental site www.cediqcjk.nic.in and contact on e-mail ID: cediqc63@gmail.com, rrandmtl.sgr@gmail.com.

FOLLOWING TERMS & CONDITIONS/INFORMATION MAY BE NOTED AS PART OF STANDARD BIDING DOCUMENT (SBD):

e-NIT No: DIQCD/RR&MTL-SGR/01 of 2016-2017 Dated: 22-09-2016

3.0 SUBMISSION OF ORIGINAL /HARD TENDER DOCUMENTS (TWO COVER SYSTEM)

- 3.1 COVER FIRST: (Prequalification documents to be uploaded online as scan copies and hard copies of same only to be received separately, by post or in-person)

 Technical Bid (Prequalification Document) for the supply of laboratory equipment/miscellaneous laboratory/field use items, duly completed and signed without indicating the rates should be submitted/uploaded with following documents included:
 - a) Earnest Money: The tender should be accompanied by an earnest money deposit (EMD) in the shape of valid DD/FDR/CDR with net value of Rs. 45,000/= (Forty Five Thousand Only), pledged to Chief Engineer, Designs, Inspections & Quality Control, J&K, Jammu, from a Nationalized/ Schedule bank having a branch-office in Jammu. The DD/FDR/CDR must strictly have validity for minimum Defect Liability Period (DLP)/ Assured Equipment Warranty Period of at least 1-Year. The DD/FDR/CDR shall be retained in case of successful tenderer and shall be released in case of unsuccessful tenderers. Any tender without earnest money shall be explicitly liable to rejection. No Cheque shall be accepted on this account. Tenderers/Bidders, besides other qualifying documents/details, will have to upload the scanned copies of earnest money deposit (EMD) in the form of DD/FDR/CDR. The original instruments in respect of EMD and other relevant documents must be submitted to the Principal Tender Inviting Authority (Chief Engineer, Design Inspection and Quality Control Department, Canal Road, Jammu-J&K) by Registered post/courier/by Hand, strictly as per time schedule specified. The details of earnest money deposit (EMD)/Bid Security in the form of DD/FDR/CDR as specified in the tender documents must be explicitly the same as submitted online (scanned copies), otherwise tender will summarily be rejected.
 - b) Authorization Certificate/Affidavit: The tenderer (other than Principal Manufacturer) shall annex the Copy of Registration Certificate/ Authorization Certificate of the Original Manufacturer/Principal Company, particularly for the Core Civil **Engineering** Equipment/Machinery/Laboratory items, as the case may be. The authorization certificate should clearly mention the tenderer/supplier of being their authorized dealer/channel partner and shall authorize the tenderer/supplier to quote on behalf of Original Manufacturer / Principal Manufacturer. However, for miscellaneous laboratory/field use items of assorted brands of diminutive nature or common laboratory use electric/electronic/electro-mechanical items, Tenderer/Supplier/Principal Manufacturer shall have to submit a separate duly notarized affidavit (official declaration) stating/acknowledging his/her inclusive responsibility for providing standard onsite warranty for Defect Liability Period (DLP) and responsibility for providing post DLP service and spares for all such items.
 - c) Technical Specifications: The tenderer shall indicate technical specification giving details and description of the machinery/equipment wherever necessary. Original catalog (Make and Model) may be submitted with hard documents. Technical specifications in respect of items must be minimum as specified in NIT or better, with least possible variation from desired specifications.
 - d) Duly Signed and Stamped NIT with Equipment List: The Tenderer/Supplier/Principal Manufacturer shall strictly Annex a complete copy (Scanned/Hard copy) of this NIT (Along with Equipment List), duly Signed and Officially Stamped on every single

page, by its Authorized Signatory, in token of having understood and accepted all the technical specifications, terms and conditions of this NIT. This shall also, invariably, encompass that tendered equipment shall be supplied by the Tenderer/Supplier/Principal Manufacturer as per desired technical specifications of NIT, irrespective of his/her prospective rejoinder under section 3.1 (c), above.

| COMPL | JLSORY PREQUALIFICATION DOCUMENTS TO BE SCANED & UPLOADED, |
|-------|---|
| | FAILING WHICH TENDER SHALL BE SUMMARILY REJECTED. |
| S.No | Brief description of the required document |
| 1. | Earnest money deposit (EMD) in the shape of valid DD/FDR/CDR with net value of Rs. 45,000/= (Forty Five Thousand Only), pledged to Chief Engineer, Designs, Inspections & Quality Control, J&K, Jammu. |
| 2. | Registration Certificate/ Authorization Certificate in favor of tenderer/supplier, from the Original Manufacturer/Principal Company, particularly for the Core Civil Engineering Equipment/Machinery/Laboratory items. |
| 3. | Technical Specifications and NIT along with Equipment Specification List, duly Signed and Officially Stamped on every single page, by the Authorized Signatory from Tenderer/Supplier/Principal Manufacturer. |
| 4. | Duly notarized Affidavit (Official Declaration) stating/acknowledging inclusive responsibility for providing standard onsite warranty for Defect Liability Period (DLP) and responsibility for providing post DLP service and spares for all equipment/machinery/miscellaneous laboratory/field use items, for its economical service life. |

OTHER TECHNICAL REQUIREMENTS

- 1) Copies of supply orders received and executed with the Government /Semi-Govt. organization for last two years. The tenderer may include list of users/performance certificate by various end users of their equipment/supply order (Optional). Any supply order executed with Designs Inspections & Quality Control Department is not required to be included.
- 2) The tenderer shall have to submit an affidavit duly notarized stating that their firm has not been blacklisted in J&K or any other State within India/Abroad.
- 3) The laboratory equipment specifications (wherever applicable) should be strictly as per BIS/ASTM/BS standards, with all manufacturing material of superior quality and finish. Only ISO 9001:2008 (or later) certified Principal Manufacturer/Suppliers, who can ensure the manufacturing of the core civil engineering material testing machine/equipment as per the required testing standards (BIS/ASTM/BS) and within the specified tolerance limits are eligible for the bids.
- 4) Successful tenderer/Supplier/Principal Manufacturer shall have to give clear undertaking regarding installation/ commissioning, training and after sales service of the instruments at site. Successful tenderer will have to arrange onsite installation and training for end user/users, free of cost, as and when asked for.

Note: Before opening of the financial bids, wherever applicable, all hard copies of technical documents of qualified bidders shall be further physically evaluated by authorized committee.

3.2 <u>COVER SECOND</u>: (Commercial/Price Bid documents to be uploaded only online in prescribed BOQ format)

- a) The rates must be strictly quoted in prescribed downloadable format of Bill of Quantities (BOQ)/Bill of items, with this e-tender. The rates must be carefully quoted, FOR, Road Research & Material Testing Laboratory Gogjibagh/Rajbagh, Srinagar-190008. For their own convenience, tenderer may fill all details within prescribed BOQ format, offline and subsequently upload the same to ensure thorough confirmation and accuracy.
- b) The rates quoted as per the format of BOQ should be inclusive of all taxes/charges (excise duty, value added tax/CST, entry-tax, freight charges, unloading and stacking, other taxes duties/levies) whatsoever. Nothing shall be paid in extra on the final rates quoted.
- c) The tenderer shall have to quote his/her rates for all NIT items, failing which the tender shall be deemed rejected. Zero basic cost quoted for any of the BOQ item shall be treated as NIL quoted.
- d) For items listed under this NIT, any bidder found consistently quoting unreasonable and exaggerated rates (exceedingly non-competitive) either un-intentionally or intentionally (so as to stall the tendering process), shall summarily be rejected. However, this shall not impede completion of tendering process, under Standard Operating Procedures.
- e) Online generation of financial comparative (BOQ Comparative Statement) is of indicative nature only and not necessarily conclusive. Detailed/Comprehensive financial BOQ comparative statement of figures shall be worked out by purchasing department and shall be subsequently confirmed on the website for general information of all the tenderers for thorough transparency. Mere online generated information either by system design or default shall not confer any right of any nature, whatsoever, to any tenderer, unless confirmed by the competent authority of this department.
- f) The successful tenderer shall have to ensure that he/she has not supplied any of the product/equipment listed in BOQ to any other Department of J&K State, at rates lower than those offered to this department, during the current fiscal year. It is explicitly understood that FOB price offers from Principal Manufacturer are not exceedingly variable for potential supply anywhere in the state/country. In case found so, from any competent source, the same rates shall apply to Designs Inspections & Quality Control Department, and the excess amount paid (if any) shall be recovered from supplier/tenderer in any manner as decided and deemed suitable by the department.
- g) Rates quoted shall be final till validity of the contract (i.e., 120 Days from the date of placement of purchase order).
- h) Unreasonable or conditional tenders, whatsoever, shall not be entertained. The same will be summarily rejected.
- i) The supplier if he/she so desires may insure the goods against loss or theft, destruction, damages by the natural calamity, loss by exposure to weather or otherwise, viz, war rebellion, riot etc. The insurance charges will have to be borne by the supplier and the department shall not pay such extra charges over the basic cost.
- j) Any original/hard tender document copies (COMPULSORY PREQUALIFICATION DOCUMENTS) must be legible and correction/over writings on pertinent hard document copies must be avoided as far as possible. Corrections if any, must be duly authenticated/attested by authorized signatory.
- k) The quantities indicated in the Tender Notification are tentative. The department reserves absolute right to change (increase/decrease) the same without any prior notification up to the validity of rate contract of this NIT.

4.0 OTHER COMPULSARY CONTRACT, DELIVERY & PAYMENT CONDITIONS

- a) As soon as the acceptance of the tender is communicated to the successful tenderer, the successful tenderer shall have to execute an agreement with the department in prescribed format, within 5 days of the communication of the acceptance of his/her tender. The EMD of the tenderer, who backs out or withdraws his/her tender or fails to abide by it, after acceptance thereof is communicated/posted to him/her, shall be forfeited besides other penal remedies that may be available to the Government of J&K under the law for the time being in force in the State of J&K.
- b) The supplier shall not sublet the contract or any part thereof to any other agency without the concurrence of Design Inspection & Quality Control Department J&K.
- c) All supply shall have to be made strictly within 30 days after placing the orders with the successful tenderer. However, the delivery period can be extended on valid grounds put forth by the supplier by a suitable limit to be determined at the sole discretion of Chief Engineer, Designs, Inspections & Quality Control Department J&K, Jammu, with maximum limit of 15-days. The delay must be only attributable to reasons beyond control/force majeure and provided delay is communicated, prior, in writing and justifying cause of delay. In case of any failure by successful tenderer to complete the supply even within such extended time period, the tenderer (defaulter) shall be debarred from any future tendering besides forfeiture of his/her CDR.
- d) In case the supplier/firm does not complete the supply within the delivery period, the liquidated damages will be charged @ 2% per month, subjected to maximum of 10%, depending on the urgency and nature of the supply with total cost of equipment/machinery/items/goods etc., which remains unsupplied, on the last date of initially agreed delivery period.
- e) In the event of the successful tenderer failing, declining, neglecting or delaying supply or in the event of any damage occurring/or being caused by the successful tenderer or in the event of any default or failure by the successful tenderer in complying with any terms and conditions of the contract, the department shall without prejudice to any other remedy available to it and under the law for the time being in force in the State of J&K:
 - i. Terminate the contract after 30 days notice.
 - ii. Recover the amount of loss sustained by the Government, caused by damage/failure/default from tenderers end, as may be determined by the department.
 - iii. Recover the extra cost involved in allotting the contract to other party or re-tendering the contract.
 - iv. Forfeit the Earnest Money.
- f) Nearest direct sales and service office of supplier/principal manufacturer should be preferably in Jammu, Srinagar, New-Delhi/Punjab/Chandigarh to provide immediate service on breakdown.
- g) Before placement of purchase order in favor of successful tenderer (Principal Manufacturer/ Supplier), any or all of the following may be explicitly desired at the discretion of department:
 - i. Information about production facility, after sales service facility & infrastructure, R & D center (if any) duly recognized by National Council of Science and Technology.
 - ii. Service center and information on service support facilities that would be provided after the warranty period.
 - iii. Unconditional offer for a suitable factory visit to ensure the capability of supplier. This may also include pre-delivery inspection (PDI).
 - iv. Financial standing of the supplier/equipment manufacturer such as profit and loss statement, balance sheet and auditor reports for the past two years, bankers certificate
 - v. Process of ensuring of the traceability (source of calibration) of the equipment calibration unit to National Council for Cement & Building Material (NCCBM) / National Physical Laboratory (NPL)/ National Accreditation Board for Testing and Calibration Laboratories (NABL), as may be applicable thereof.

- h) Except otherwise provided in the invitation to the tender, the supplier/manufacturer/contractor/bidder, is unequivocally understood to have declared that equipment/machinery/items/articles supplied to the purchaser under this contract shall be of workmanship and new in all respects. equipment/machinery/items/articles, covering all systems/sub-systems, shall be guaranteed for a minimum defect/replacement liability period of 12 months (or more as applicable) from the date of successful installation of equipment. In case the equipment, at the time of installation, develops any manufacturing defect or otherwise does not function correctly/satisfactorily during the above specified period, the successful tenderer/supplier shall replace or repair the same as a whole or defective part/parts, as may be determined by the technical expert from the department. The associated risks/ costs involved shall be sole liability of the successful tenderer/supplier. The associated costs are deemed included in the quoted price from the bidder. The technical defect must be fixed within 15 days from the date of the technical defect being intimated/ communicated to successful tenderer/supplier by the concerned representative from the department. Failing to adhere with any of the above condition, the department shall take appropriate action as per the terms of the contract.
- i) Any equipment/machine/items with Basic Rate /Value equal or exceeding the sum of Rs.3.0 Lacs, shall have an extended defect liability/ Assured Equipment Warranty Period of at least 2-Years and same shall be invariably binding on the successful tenderer/contractor/supplier/principal manufacturer.
- actual work/operation j) during aforesaid period or during with supplied equipment/machinery/supplied department/purchaser items, the discovered that equipment/machinery/supplied item, does not confirm to the description/specification and quality or the same is not giving satisfactory performance or has/have deteriorated, the decision of the purchaser/department in that behalf shall be final and binding on the successful tenderer/contractor/supplier/principal manufacturer. Department/purchaser shall be entitled to call upon the contractor/supplier/principal manufacturer to rectify the goods or such portion thereof as is found to be defective by the purchaser, within a reasonable period or such specified period as may be allowed by the purchaser in his/her discretion on basis of a formal request/application made thereof by the supplier/manufacturer, in such an event. The above mentioned standard warranty period shall strictly apply to the goods repaired/rectified from the date of rectification thereof. In case of failure of the contractor to rectify or replace the time, equipment/machinery/supplied item/goods etc., within the specified the purchaser/department shall be entitled to recover the cost with all expenses from the contractor for such defective stores.
- k) In case the articles supplied are not according to the minimum acceptable specifications, they shall be rejected at sole discretion of the department. The loss caused due to rejection of the supplies shall be entirely borne by the supplier. The rejected equipment/supply shall be lifted by the supplier within one week from the date of rejection, at his/her own cost. The purchasing department shall, in no case whatsoever, be responsible for any loss or damage that may occur to the rejected stores, while these are in the premises of the consignee/purchaser.
- I) All taxes, as may be applicable, shall be deducted at the time of payment, unless pertinent documents are produced. The successful tenderer/contractor/supplier/principal manufacturer will be required to furnish an authenticated copy of latest sales tax/VAT clearance certificates and PAN and VAT registration certificate. The purchasing department shall be at liberty to put to scrutiny the verification of aforesaid documents.
- m) Payment shall be released by the department against each consignment delivered in entirety, inspected, accepted and properly brought on stock in the concerned stock registers of the department at Jammu/Srinagar. In case the equipment/machinery is subjected to installation by

the supplier/manufacturer, then the payment shall follow the complete installation and related protocol.

- n) 95% payment of the cost of the equipment/ material shall be made on the complete receipt, inspection/verification and subsequent installation of the equipment/ material at Srinagar by the concerned Research Officers/Deputy Research Officers/Assistant Research Officers. Balance 5% shall be suitably released after satisfactory testing/performance of the material/equipment for its defect liability period (DLP). Successful tenderer/contractor/supplier/principal manufacturer, if preferred and agreed upon by the department, may be permitted to submit DD/FDR/CDR for balance 5% of payment, which is strictly to be retained by the department for entire DLP period.
- o) Remittance charges (Bank Commission if any), on payment made to the supplier will be borne by the supplier. The charges of stamp etc., shall be paid by the supplier while executing the agreement.
- p) For safeguarding the J&K Government Interests, It is unequivocally stated that the department reserves absolute discretion to reject or accept any tender or part of it thereof, without assigning any reason and without any legal obligations. Any clause incorporated in the bid (not in conformity with NIT in any understandable manner) shall make such an offer liable for rejection. Therefore all the terms and conditions of this Tender Notice, including technical specifications shall be cautiously studied for the sake of complete and comprehensive tender submission. Failure or potential divergence to comply with the obligatory tender conditions or instructions or the offer with insufficient particulars/documents, which is likely to render fair comparisons of tender as a whole impossible, shall lead to its rejection, even if otherwise, it is a competitive offer/tender.
- q) For safeguarding the J&K Government Interests, Department reserves the right to add or suitably modify the terms and conditions (without prior notification) as per exigencies that may arise for one or the other reason. Department/Purchaser reserves the right to cancel/reject or scrap any item or all the tender. The logical discretion with the department/purchaser shall remain intact.
- r) All legal proceedings arising out of any related disputes between the parties shall have to be settled in the Honorable Court of Law, situated at Jammu and/or at Srinagar (not elsewhere) and shall be bound by the laws applicable in J&K State.

End.No: DIQCD/RR&MTL-SGR/NIT-01-2016-2017/496-511

Dated: 22-09-2016

Sd/Research Officer (I/C),
Road Research & Material Testing Lab.,
Designs Inspections & Quality Control
Department-PWD (J&K), Srinagar.

Enclosure: ANNEXURE-A (Equipment List) 8-Pages.

Copy to the:

- 1) Commissioner/Secretary to Government, Planning and Development Department, Civil Secretariat Srinagar/Jammu, for favor of information please.
- 2) Commissioner Secretary to Government, Public Works (R&B) Department, Civil Secretariat Srinagar/Jammu, for favor of information please.
- 3) Resident Commissioner, 5, Prithvi Raj Road, New Delhi for favor of information please.
- 4) Divisional Commissioner, Kashmir Division/Jammu Division, for favor of information please.

- 5) Chief Engineer, Designs Inspections and Quality Control Department, J&K, Jammu, for favor of information, please.
- 6) Private Secretary to Minister for Works (R&B) & MED, Civil Secretariat, Srinagar/Jammu, for kind information of The Honorable Minister (R&B), please.
- 7) Joint Director, Designs Inspections and Quality Control Department, J&K, Srinagar, for favor of information please.
- 8) Joint Director, Information, J&K Government, Srinagar/Jammu. It is requested to kindly publish the NIT with at least two Local dailies and two National dailies for wide publicity of the NIT.
- 9) Chief Accounts Officer, PW (R&B), Jammu (PC-Member) for favor of information please.
- 10) Deputy Director (DDO), Designs Inspections & Quality Control, Jammu, for information.
- 11) Deputy Director (DDO), Designs Inspections & Quality Control, Srinagar, for information.
- 12) Head Draftsman, Designs Inspections and Quality Control, Jammu, for favor of information and necessary action.
- 13) Deputy Research Officer's, RR&MTL, DIQCD, Srinagar, for information and with reference to their requirements at RR&MTL, Srinagar. They are directed for initiating market survey/online-survey for tendered items, for ascertaining feasibility of rates.
- 14) Assistant Research Officer, RR&MTL, DIQCD, Srinagar, for information and with reference to requirements at RR&MTL, Srinagar. You are directed for initiating market survey/online-survey for tendered items, for ascertaining feasibility of rates.
- 15) IT Nodal Officer, Design Inspection & Quality Control Department, J&K, Jammu for information & needful action for publishing the e-tender through J&K State NIC, Civil Secretariat, Jammu/Srinagar.
- 16) Equipment File/Office file/Master file, RR&MTL Srinagar.

DESIGNS INSPECTIONS AND QUALITY CONTROL DEPARTMENT, JAMMU AND KASHMIR. LIST OF EQUIPMENT REQUIRED TO RESTORE/UPGRADE THE TESTING FACILITY AT ROAD RESEARCH AND MATERIAL TESTING LABORATORY AT GOGJIBAGH, SRINAGAR-190008

ANNEXURE-A

| S. No. | Brief Equipment Description/Specifications | Tentative Quantity (Sets/No.) |
|--------|---|-------------------------------------|
| EC | QUIPMENT LIST FOR DESTINATION RR&MTL, DIQCD, SRINAGAR | k-190008 |
| | IS SIEVE SETS (20cm dia brass frame) | |
| | (As per Specifications of IS:460) | |
| | Sizes (mm/micron-µ): | |
| | a) 10.00 mm b) 4.75 mm | |
| | c) 2.36 mm | |
| | d) 2.00 mm | |
| | e) 1.18 mm | 2.0.1 |
| 1. | f) 1.00 mm | 3-Set |
| | g) 600 µ | |
| | h) 425 µ | |
| | i) 300 µ | |
| | j) 150 μ | |
| | k) 90 µ | |
| | l) 75 μ | |
| | m) Pan & Cover IS SIEVE SETS (30cm dia G.I frame) | |
| | (As per Specifications of IS:460, IS:2386) | |
| | Sizes (mm): | |
| | a) 75.0 mm | |
| | b) 63.0 mm | |
| | c) 45.0 mm | |
| | d) 37.5 mm | |
| | e) 26.5 mm | |
| 2. | f) 22.4 mm | 2-Sets |
| | g) 19.0 mm | |
| | h) 13.2 mm | |
| | i) 11.2 mm j) 9.5 mm | |
| | j) 9.5 mm k) 6.3 mm | |
| | I) 6.0 mm | |
| | m) 5.6 mm | |
| | n) 4.75 mm | |

| | o) 3.35 mm | |
|-----|--|--------|
| | p) 2.8 mm | |
| | q) 2.36 mm | |
| | r) 2.0 mm | |
| | s) Pan & Cover | |
| | IS SIEVE SETS (20cm Dia Brass) | |
| 3. | (As per Specifications of IS:460) | 1E Cot |
| ა. | Sizes (micron-µ): | 15-Set |
| | a) 425 μ b) 75 μ | |
| | HIGH PRECISION ELECTRONIC/DIGITAL BALANCE: | |
| | | |
| | Superior Brand High Precision Digital Balance, capable of measuring in range of at least 1 gm | |
| 4. | to 300gm or higher with precision up to two decimal places (0.001gm) and permissible error. | 3-No |
| | Balance must be operational with Dual Power (AC/Rechargeable Battery). | |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | |
| | MOTORISED SIEVE SHAKER (BENCH-TOP) | |
| | Equipment must consist of Motorized Bench-Top Sieve Shaker for sieving dry granular or | |
| | powdered materials/soils. It must accommodate up to 8 sieves of 20 cm dia. The equipment | |
| | must be geared motor driven of suitable HP. Direction of inclination of sieve table must change | |
| _ | progressively in clock-wise direction, with both gyratory and tapping motion of table. Equipment | |
| 5. | must be controlled by a proper switching device with timer facility and emergency stop/start | 1-No |
| | button. Equipment must run by 220 V (±5%), 50Hz, Single Phase AC Supply. Adapter for 30cm | |
| | dia sieves must be included. | |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL | |
| | RESPECT. | |
| | SOIL HYDROMETER | |
| | As per IS Specifications/SP-36, IS:2720 (Part-4), IS:3014. | |
| | (For Soils with >10% passing 75 micron sieve) | |
| 6. | Soil Hydrometer made of superior clear/transparent glass of uniform clarity throughout the | 10-No |
| 0. | upper density scale end. The density scale range must be 0.995 to 1.30 g/cc (g/ml) at 27°C, | 10-140 |
| | with least count of 0.0005 g/cc (g/ml). There shall be no abrupt changes in the cross section of | |
| | the hydrometer, such as will hinder cleaning or permit air bubbles to be trapped. The | |
| | hydrometer shall have maximum permissible scale error of plus/minus one scale division. | |
| | STANDARD LABORATORY USE COARSE GRADE SAND | |
| 7. | Coarse Sand must be supplied as per IS:650 in 25Kg bag and it must be clean and free from | 25-No |
| | any organic/inorganic impurities or excess silt. | |
| | STANDARD LABORATORY USE MEDIUM GRADE SAND | |
| 8. | Medium Sand must be supplied as per IS:650 in 25Kg bag and it must be clean and free from | 25-No |
| | any organic/inorganic impurities or excess silt. | |
| | STANDARD LABORATORY USE FINE GRADE SAND | |
| 9. | Fine Sand must be supplied as per IS:650 in 25Kg bag and it must be clean and free from any | 25-No |
| | organic/inorganic impurities or excess silt. | |
| 10. | CONSISTENCY TEST APPARATUS | 3-No |

| | The test apparatus must be as per IS:2720 Part-5, IS: 9259 relevant specifications, for determination of consistency (Liquid Limit) of soils by Casagrande Method. The apparatus must be manually operational, with counter, with I.S/ASTM Grooving Tools, Gauging Block. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | |
|-----|---|-------|
| 11. | INTEGRAL PROVING RING (2.50 kN) Compression Type Proving ring (2.5kN Capacity) shall be of integral type, made with superior quality special steel, supplied with loading platens (separate polished and ground pair of loading pads for Compression Proving Rings), dial gauges, packed in wooden boxes. Repeatability of Proving Rings shall be as per IS: 4169. The proving ring must be supplied with Standard Traceable Calibration from manufacturer. Proving Rings must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 12. | INTEGRAL PROVING RING (10.0 kN) Compression Type Proving ring (10.0 kN Capacity) shall be of integral type, made with superior quality special steel, supplied with loading platens (separate polished and ground pair of loading pads for Compression Proving Rings), dial gauges, packed in wooden boxes. Repeatability of Proving Rings shall be as per IS: 4169. The proving ring must be supplied with Standard Traceable Calibration from manufacturer. Proving Rings must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 13. | INTEGRAL PROVING RING (50.0 kN) Compression Type Proving ring (50.0 kN Capacity) shall be of integral type, made with superior quality special steel, supplied with loading platens (separate polished and ground pair of loading pads for Compression Proving Rings), dial gauges, packed in wooden boxes. Repeatability of Proving Rings shall be as per IS: 4169. The proving ring must be supplied with Standard Traceable Calibration from manufacturer. Proving Rings must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 14. | SOILTRIAXIAL TESTING CELL (SMALL) Triaxial Cell must be operational (leak-proof) up to a pressure of 10kg/cm2, for testing of soil specimens of size 38 mm dia x 76mm long and 50 mm dia x 100mm long. The cell must consist of a Perspex chamber with anvil and loading plunger. It must be fitted with four sleeve packed valves to the base for various Triaxial testing procedures. The apparatus shall consist of the following replaceable parts: 1. Top Loading Pad 38mm & 50mm dia. 2. Brass pedestal 38mm & 50mm dia. 3. Perspex loading pad 38mm & 50mm dia. 4. Plain discs, 38mm & 50mm dia. 5. Porous stone 38mm & 50mm dia. 6. Sheath Stretcher for 38mm & 50mm dia. 7. Sand former for 38mm & 50mm dia. 8. Rubber sheath for 38mm & 50mm dia. 9. Drainage tube (short), 38 mm. 10. Drainage tube (long), 38 mm. 10. Three part split mould, 38mm & 50mm dia with collar, base plate and hinged clamp | 1-Set |

| | with rammer. 2 No each | |
|-----|--|-------|
| | 13. Normal Split mould 38 mm dia x 76 mm &50 mm dia x 100mm long. 2 No each | |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT | |
| | HYDRAULIC LOADING APPARATUS (3000 kN) | |
| | For Conducting Pile Load Test as per IS Specifications/SP-36, IS:1888, IS:3014. | |
| | HYDRAULIC JACK AND PUMPING UNIT: Equipment must include only Hydraulic Jack, | |
| | 3000kN (300 MT) capacity, along with calibrated 3000kN (300 MT) capacity pressure gauge | |
| | with least count of 10.0 kN or lower. Equipment must include heavy duty hand operated remote | |
| 15. | Hydraulic Oil Pumping Unit, High pressure flexible pipe (at least 5m). The hydraulic Jack must | 1-Set |
| | be provided with a piston travel/stroke of at least 150mm or higher. The supply shall include (4- | |
| | No) magnetic bases, with adjustable long extensions for holding dial gauges for measurement | |
| | of displacement. | |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | |
| | HYDRAULIC PRESSURE GAUGE (300 MT) | |
| | Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least | |
| 16. | count: | 1-No |
| | Pressure Gauge of 3000 kN (300 MT) Capacity. | 2 110 |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT | |
| | | |
| | HYDRAULIC PRESSURE GAUGE (200 MT) Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least | |
| | count: | |
| 17. | Pressure Gauge of 2000 kN (200 MT) Capacity. | 1-No |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL | |
| | RESPECT | |
| | HYDRAULIC PRESSURE GAUGE (100 MT) | |
| | Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least | |
| 18. | count: | 1-No |
| | Pressure Gauge of 1000 kN (100 MT) Capacity. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL | |
| | RESPECT. | |
| | HYDRAULIC PRESSURE GAUGE (50 MT) | |
| | Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least | |
| 19. | count: | 1-No |
| 101 | Pressure Gauge of 500 kN (50 MT) Capacity. | 1-140 |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL | |
| | RESPECT HYDDAILLIC DDESSUDE CALICE (40 MT) | |
| | HYDRAULIC PRESSURE GAUGE (10 MT) Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least | |
| | count: | |
| 20. | Pressure Gauge of 100 kN (10 MT) Capacity. | 1-No |
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL | |
| | RESPECT. | |

| 21. | HYDRAULIC PRESSURE GAUGE (2.5 MT) Supply shall consist of hydraulic pressure gauges of following capacity, with suitable least count: Pressure Gauge of 25 kN (2.5 MT) Capacity. The supply must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
|-----|--|------|
| 22. | MECHANICAL DISPLACEMENT GAUGES (25mm Travel) Supply shall consist of mechanical displacement gauges of 0.01 to 25mm capacity, with least count of 0.01mm, for potential laboratory/field use. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 6-No |
| 23. | MECHANICAL DISPLACEMENT GAUGES (50mm Travel) Supply shall consist of mechanical displacement gauges of 0.01 to 50mm capacity, with least count of 0.01mm, for potential laboratory/field use. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 6-No |
| 24. | INFRARED THERMOMETER (Reputed Make) Digital non-contact Infrared Thermometer (Superior Make), with backlight LCD Display, battery or USB powered, with minimum operational temperature range of -20°C to 300°C (or better), display resolution of 0.1 °C/°F, suitable spectral response, Class-2 Laser power, display hold of minimum 5-sec. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 2No |
| 25. | OIL-FREE VACUUM PUMP (Reputed Make) Scientific portable oil-free vacuum pump of superior quality and make with vacuum application range preferably up to-500mm/Hg or higher, with vacuum tubing's. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 3-No |
| 26. | FRESH CONCRETE MIXER (PAN TYPE 40 LTR CAPACITY) Equipment must be transportable on self wheels. It must be supplied with minimum mixing drum capacity of 40Liters of fresh concrete. The drum RPM of at least 20 to 25 RPM is desirable. Mixer must have provision of adjustable blades, suitable for mixing mineral aggregates up to 20mm nominal size. Equipment must run by 415 V (±5%), 50Hz, Three Phase AC Supply or Single Phase Supply of 220 V (±5%), 50Hz. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 27. | LABORATORY CONCRETE SPECIMEN BEAM MOULDS As per relevant IS-Specifications (IS: 10086) Beal Moulds for preparing concrete specimens for checking flexural strength of cement concrete, for size of 150mm x 150mm x 700mm. | 6-No |
| 28. | LABORATORY CONCRETE SPECIMEN CUBE MOULDS As per relevant IS-Specifications (IS: 10086) Cube Moulds for preparing concrete specimens for checking compressive strength of cement concrete, for size of 150mm. | 6-No |

| 29. | DIGITAL COMPRESSION TESTING MACHINE 3000 kN (300 MT) Compact Compression Testing Machine shall be supplied as per specifications of IS: 14858 (2000), IS-516, of 2000 kN (200 MT) Capacity. Machine must consist of following features: 1) Automatic pace rate controller. 2) Automatic stress determination and display. 3) Peak load, Peak stress display facility. 4) Peak stress calculation based on sample type and shape. 5) Configurable engineering unit. 6) Multi mode run facility. 7) Data storage facility. 8) USB output facility. 9) CVT AC Supply. 10) Set of suitable spacers to suit different specimens. 11) Precision ground hydraulic piston (50mm stroke), with platen size of at least 300mm, capable to accommodate 15cm to 30cm size cube or cylindrical samples with 30cm height. 12) Self aligning top platens. 13) Flexible calibration point capacity. 14) 2% overload provision, with overload safety protection 15) Start, Stop, Pause & Reset option. 16) Over travel safety protection. 17) Separate brick testing platens. 18) Emergency Stop Option. 19) Operating Manual. Equipment must run by 220 V (±5%), 50Hz, Single Phase AC Supply. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
|-----|--|------|
| 30. | CONCRETE REBOUND TEST HAMMER The Rebound Concrete Hammer must be supplied as per IS: 13311 (Part-2), with NCCBM Certificate, for performing Non-Destructive (Indicative Surface Properties) test on concrete. Equipment consists of a certified and calibrated Concrete Hammer with measurement range of 10 to 70 N/mm², Impact Energy: 2.207 Nm. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT | 1-No |
| 31. | DIGITAL REBOUND HAMMER (Reputed Make) (As per IS Specifications/ Ref. Standard or ASTM C805, BS 1881-part 202, EN12504-2) a) Equipment must consist of a Digital Rebound Hammer, based on Original SCHMIDT Rebound Hammer, capable of indicating true Rebound Value (R-Value) and Compressive Strength of low and high strength concrete, non-destructively. b) The impact energy should not be greater than 2.207Nm. c) Compressive strength test range should be in the range of 10-100N/mm². d) Spring extension should be in the range of 75mm. e) The LCD Display should comprise of suitable pixel, with good readable graphic. f) Compatibility with PC via USB or suitable interface. g) Operating temperature should be within 0°C to 50°C. h) Included Software, which must be capable of performing all the graphic and statistical representation of the results needed. | 1-No |

| | i) All accessories including optional must be included. | |
|-----|---|------|
| | Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | |
| 32. | ELECTRICT BITUMEN BINDER CENTRIFUGE EXTRACTOR The test apparatus must be as per IS/ASTMD2172 relevant specifications, for extraction of bitumen from bituminous mixed, using solvent and centrifuge extraction. Apparatus must be operational for 220V, 50Hz, Single Phase AC Supply, with proper speed control mechanism. Apparatus must strictly have a heavy duty motor with durable shaft for holding the extraction cup assembly with loaded specimen of at least 1500gr, supplied with Filter Paper Discs (Set of 100 filter sheets). Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 33. | SOFTENING POINT APPARATUS (RING & BALL METHOD) The test apparatus must be as per IS:1205/ ASTMD36 relevant specifications, for determination of softening temperature of bitumen, using ring and ball method. Equipment must have built in heating facility, magnetic stirrer and temperature controller. Apparatus must be operational for 220V, 50Hz, Single Phase AC Supply. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 34. | DUCTILITY APPARATUS (ELECTRICALLY OPERATED) The test apparatus must be as per IS:1208/ASTMD113 relevant specifications, for determination of ductility of bitumen using control elongation (constant speed) by way of ductility machine. Equipment must have built in water bath with heating/cooling facility using electric pump circulator and heater. Equipment must be supplied with ductility moulds and base plates for testing three samples simultaneously. Apparatus must be operational for 220V, 50Hz, Single Phase AC Supply. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 35. | BENKELMAN BEAM DEFLECTION APPARATUS The test apparatus must be as per capable of performing rebound deflection of flexible pavement as per IRC: 81-1997, guidelines, for design of bituminous flexible overlays. The equipment must consist of Benkelman Beam of standard length with durable and lightweight material construction, with deflection gauges of 0.01mm x 25mm travel and 0.001mm x 25mm accuracy. Equipment must consist of all minor accessories like thermometer, tyre pressure gauge, 30m tape for distance measurement etc., for conduction of complete test procedure. Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT. | 1-No |
| 36. | SAND REPLACEMNT FIELD DENSITY APPARATUS (SMALL) Field Density Equipment using Sand Replacement Method (Small) must be supplied as per IS: 2720 (Part-28), with following parts: 1) Sand pouring cylinder fitted with Conical Funnel and Shutter, Capacity 3 litre. (1-No) 2) Cylindrical calibration container 100mm ID x 150mm height (1-No). 3) Metal Tray size 30 x 30 x 4cm with 10cm central hole (1-No). Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT | 1-No |

| SOIL COMPACTION APPARATUS As per Specifications/ Ref. Standard of IS:10074 (Part VII), IS:2720 (Part 7), IS:9198, Equipment must consist of following for performing tests to determine density moisture relations for soils. | |
|--|------|
| a) Standard Compaction Apparatus (Light Compaction/Standard Proctor) consisting of 1000 ml volume gun-metal mould, 100mm dia (ID), 127.3mm height. b) Base plate & Collar, c) Hammer of 2.6kg with 310mm fall. (Equipment must be of superior make/manufacture and finish, COMPLETE IN ALL RESPECT | -No |
| 39. DENSITY BOTTLE/SPECIFIC GRAVITY BOTTLE Superior Quality Borosilicate bottles of 50ml Capacity, with capillary bored glass stopper, for determination of Specific Gravity of Soil/Bitumen/Powders etc. |)-No |
| SUPERIOR QUALITY HEAVY DUTY HAND GLOVES | 0-No |

Note:

Only Typical/Relatively brief technical description has been indicated against each equipment/machine. However, the equipment/machine must be supplied as per relevant/indicated standard (BIS/ASTM/BS), complete in every respect with all relevant/desired accessories. Without any compromise on functionality and quality of equipment, very minor size/range variation may be allowed for miscellaneous/diminutive items (Only), with absolute technical discretion of the department.