

JAIPUR DEVELOPMENT AUTHORITY

Room No. CB-FF-108, 1st Floor CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302004
Telephone: +91-141-2569696e.mail:

NIB No. JDA/EE-QC-I/II/2020-21/D-497

Date: 29-05-2020

NOTICE INVITING BID

NIB No. EE-QC-I/II/01/2020-21

Online Bids are invited up-to **6.00 PM of “for Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)”** estimated cost of Rs49.10lacs. The last date for applying bid and making online payment on JDA portal is up to 6.00 PM dated 11.06.2020Details may be seen in the Bidding Document at our office or the website of State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in (U.B.N No.)

To participate in the bid, bidder has to be:

1. Registered on JDA website www.jaipurjda.org for participating in the Bid, the Bidder has to apply for the Bid and pay the Bidding Document Fee, RISL Processing Feeonline only. The Bid Security may be deposited through online or Bank Guarantee.
2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e- Bid submission.

Executive Engineer-(Q.C.)-I/II
JDA, Jaipur

Annexure: 2**Detail NIB for uploading on SPP Portal, e-Procurement, JDA Portal & as part of NIB Document****JAIPUR DEVELOPMENT AUTHORITY**Room No. CB-FF-108, 1st Floor CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302004

Telephone: +91-141-2569696 e-mail:

NIB No. JDA/EE-QC-I/II/2020-21/D-497**Date: 29-05-2020****NOTICE INVITING BID****NIB No. EE-QC-I/II/01/2020-21**

Name & Address of the Procuring Entity	➤ Name: Executive Engineer-Q.C.-I/II, Jaipur Development Authority ➤ Address: Room No. CB-FF-108, 1st Floor CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur 302004 (Rajasthan) ➤ 340/2013-14
Subject Matter of Procurement	➤ Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022(Rate Contract)Job No. JDA/EE-Q.C./A&F/2013-14/ Aug./340 Date: 24.08.2013
Bid Procedure	➤ Two bid tender (eg. Single-stage Two part (envelope) open competitive) eBid procedure at http://www.eproc.rajasthan.gov.in
Bid Evaluation Criteria (Selection Method)	➤ L1 (eg. Least Cost Based Selection (LCBS)-L1)
Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.	➤ Websites: www.sppp.rajasthan.gov.in , www.eproc.rajasthan.gov.in , www.jda.urban.rajasthan.gov.in
Website for online Bid application and payment *	➤ Website: www.jaipurjda.org ➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee and Bid Security Deposit, online only. ○ Bidding document fee: Rs. 500/- (Rupees Five Hundred only) ○ RISL Processing Fee: Rs. 1000/- (Rupees One Thousand only) ○ Requisite Bid Security Deposit
Estimated Procurement Cost	➤ INR 49.10Lacs
Bid Security Deposit	➤ Amount (INR) : 2% (Rs. 98200/-) of Estimated Procurement Cost, 0.5% (Rs. 24550/-) of S.S.I. of Rajasthan, 1% for Sick Industries, other than S.S.I., whose cases are pending with Board of Industrial & Financial Reconstruction ➤ (* 2% for bidder who is A and AA class contractor registered in other Govt. Department) / 0.5% for bidder registered as contractor AA, A,B,C in JDA ➤ Micro small medium Enterprises situated in Rajasthan Tender fee 50% EMD value 0.5% ➤ In case of Departments of the state govt. and undertaking, corporations, Autonomous bodies, Registered societies, cooperative Societies which are owned or controlled or managed by the state Govt. and Govt. undertaking of the central Govt. shall submit a bid securing declaration in lieu of bid security.

Date/time/place of Pre-Bid	➤ N/A ➤ Last date of submitting clarifications requests by the bidder <date and time> addressed to the procurement entity at <Address of procurement entity>
Applying bid and making online payment on JDA portal (www.jda.urban.rajasthan.gov.in)	➤ Start Date: 01.06.2020 at 9.30 AM onwards ➤ End Date: 11.06.2020 at 6.00 PM ➤ In case EMD in form BG original bank guarantee is to be submitted in Room No. CB-FF-108, 1st Floor CCC Building, JDA, Jaipur by 12.06.2020 to 16.06.2020 upto 4.00 PM
Bid submission on e-procurement portal of GOR (www.eproc.rajasthan.gov.in)	➤ Start Date: 01.06.2020 at 9.30 AM onwards ➤ End Date: 11.06.2020 at 6.00 PM
**Date/ Time/ Place of Technical Bid Opening	➤ 17.06.2020 at 11.00 AM ➤ Room No. CB-FF-108, 1st Floor CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur 302004 (Rajasthan)
Date/ Time/ Place of Financial Bid Opening	➤ N/A
Bid Validity	➤ 120 days from the bid submission deadline
Time Period	➤ 24 months (2 Years)
• Jaipur development authority has decided to receive earnest money deposit (EMD) (Bid Security), Tender fee and RISL processing fee online through JDA portal. The bid security options available in tender for participants are as mentioned below :- • Payment Options: • Option-1: Bank Guarantee (BG) against EMD / Bid Security Bidder may opt Bank Guarantee (BG) against EMD (Bid Security), for which bidder requires to prepare BG before applying in the tender. The details of BG requires to be fed on JDA portal before paying balance amount (Tender Fee + RISL Processing Fee). This amount will be paid through Payment Gateway only, option to make balance payment through EFT (RTGS/NEFT) will not be available. If bidder does not opt for BG against EMD, options of making complete payment through Payment Gateway or through EFT (NEFT / RTGS) will be available. • Option-2: Electronic Fund Transfer (EFT: NEFT/RTGS) If the bidder selects payment mode as EFT (NEFT/RTGS), “Paying Slip for EFT (NEFT/RTGS)” will be generated by the system for the complete amount. The payment can be made from any Bank any Branch using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 48 hours prior to closing date of bid participation. • Option-3: Payment Gateway (Aggregator) The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from anywhere any time till the closing date & time of bid participation. • B. Bid Participation Receipt After confirming payment, the bidder will get Bid Participation Receipt on the basis of which user will get the payment details along with other details for bidding on e-Procurement portal of GOR. • In case of BG as the remaining payment will be done through Payment Gateway, on successful transaction the “Bid Participation Receipt” will be generated on real time basis.	

- In case complete payment is done through Payment Gateway, on successful transaction the “**Bid Participation Receipt**” will be generated on real time basis.
- In case complete payment is done through EFT (NEFT/RTGS), on confirmation of payment from ICICI Bank (Auto Process) “**Bid Participation Receipt**” will be available on Login of Bidder on JDA portal.

Note:

1. Bidder (authorised signatory) shall submit their offer on-line in Electronic formats both for technical and financial proposal.
2. In case, any of the bidders fails to pay the Tender Fee, BSD, and RISL Processing Fee, online (subject to confirmation), its Bid shall not be accepted.
3. To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III) as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e. TCS, Safecrypt, Ncode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must register on <http://eproc.rajasthan.gov.in> (bidders already registered on <http://eproc.rajasthan.gov.in> before 30.09.2011 must register again).
4. JDA will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
5. Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.
6. Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&C, GoR on a regular basis. Bidders interested for training may contact e-Procurement Cell, DoIT&C for booking the training slot.
Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: eproc@rajasthan.gov.in Address : e-Procurement Cell, JDA, YojanaBhawan, Tilak Marg, C-Scheme, Jaipur
7. The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.
8. No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder.
9. Procurement entity disclaims any factual/ or other errors in the bidding document (the onus is purely on the individual bidders to verify such information) and the information provided therein are intended only to help the bidders to prepare a logical bid-proposal.
10. The provisions of RTPPA Act 2012 and Rules 2013 thereto shall be applicable for this procurement.
Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPPA Act 2012 and Rules thereto, the later shall prevail.

Executive Engineer-(Q.C.)-I/II

JDA, Jaipur

Process for Participation & Depositing Payment Online

JAIPUR DEVELOPMENT AUTHORITY, has decided to receive Bidding document fee, RISL Processing Fee and Bid Security Deposit (BSD) through online mode only for which the bidder has to get registered himself on JDA portal www.jaipurjda.org.

To participate in the bid, bidder has to be:

1. Registered on JDA website www.jda.urban.rajasthan.gov.in (by depositing Rs. 500.00 online, the validity of which remains 3 (three) years).
For participating in the Bid, the Bidder has to apply for this Bid and pay the Bid Document Fee, RISL Processing Fee and Bid Security Deposit, online only.
2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e-Bid submission.

Methods for depositing on line amount

- Online through Internet Banking, Debit Card or Credit Card.
- In case the amount exceeds the online payment limit, the payment may be made through RTGS /NEFT/Transfer in Bank Account Number **675401700586** IFSC Code **ICIC0006754** of ICICI BANK Limited, JDA Campus Jaipur.

In case of RTGS /NEFT /Transfer the bidder is required to deposit the requisite amount in the dedicated bank account number as mentioned above and has to get the UTR / Reference number from the bank. This number requires to be updated while applying the bid on JDA portal.

While participation in the bid, a receipt will be generated through the system showing the submission details as per **Annexure-.....**. The bidder is required to fill the instrument numbers for various heads on e-Procurement portal www.eproc.rajasthan.gov.in as mentioned in the receipt.

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website www.jaipurjda.org under [eServices](#)>>JDA Tender

Annexure: 4
Template of Online Receipt as part of NIB Document

Bidder has to submitted as proof of deposited amount against the Bid on eProcurementProtal

Jaipur Development Authority			
Bid Participation Receipt			Date & Time : 09/06/2015 05:13 PM
Bid Detail			
Bid Id : 6215152001		Procurement Entity : XXXXXXXXXXXXX	
Bid Title : Testing			
Bid Value : 300000		Bid Opening Place : Manthan Hall, Jaipur Development Authority	
Bidder Detail			
Name of Entity : XXXXXXXXXXXXX		Mobile: 9829012345	
Registration Type: Individual		Instrument Amount : 32500.00	
Payment Mode: Online/UTR		Payment Channel : Payment Gateway/ICICI Branch - JDA	
Instrument No : 456123789		Instrument Date : 17-06-2015	
Dates Detail			
Sr. No.	Event Name	Event Date	
1	Publishing Date	01/06/2015 01:00 PM	
2	Bid Opening Date	01/07/2015 03:00 PM	
Specific Instrument Detail for eProc Rajasthan			
Instrument Type: DD			
Instrument Number	Head Name	Amount	Date
10000	Tender Fee	400.00	05/06/2015
10001	RISL Processing Fee	1000.00	05/06/2015
10002	Bid Security Deposit	30,000.00	05/06/2015
Issuer Detail : Jaipur Development Authority		ChallanNumber: 641515600014	



JAIPUR DEVELOPMENT AUTHORITY JAIPUR

TECHNICAL BID (Limited to Jaipur District)

Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

TECHNICAL BID (Potential Assessment)

Period of Sale	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
Date of receipt of Bid	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
Date of opening of Technical Bid	17.06.2020 at 11:00 AM in chamber of from Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
Date of submission of BG original Bank guarantee of EMD	12.06.2020 to 16.06.2020 upto 4.00PM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
Completion Period	2 Years
Name of Agency	M/s -----

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

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JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

1. GENERAL DETAILS OF TENDER

1.	NIB No.	EE-QC-I/II/01/2020-21
2.	Name of the work	Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)
3.	Estimated cost	Rs. 49.10 Lacs
4.	Bid processing fees	Rs. 1000.00 (in favor of M.D.R.I.S.L., Jaipur)
5.	Cost of Bid document	Rs. 500.00 (in favor of Secretary, Jaipur)
6.	Earnest Money	@ 2% Rs. 98200.00/- (For contractors not registered in JDA)
7.	Completion period	2 Years
8.	Sales of Bid	01.06.2020 09.30A.M. To 11.06.2020 Up to 6:00 PM
9.	Date & Time of Submission of Bid	01.06.2020 09.30A.M. To 11.06.2020 Up to 6:00 PM
10.	Date of submission of BG original Bank guarantee of EMD	12.06.2020 to 16.06.2020 Up to 4.00 PM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
11.	Date of opening of Technical Bid	17.06.2020 at 11.00AM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
12.	Tender document issued to	M/s
13.	Tender cost deposit (online)	Receipt No. Dated

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SCHEDULE AND SPECIFICATIONS

Name of work: - Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

- | | |
|--|--|
| 1. NIB No. | : EE-QC-I/II/01/2020-21 |
| 2. Approximate cost | : Rs. 49.10 Lacs |
| 3. Cost of Bid document | : Rs. 500.00 (in favor of Secretary, Jaipur) |
| 4. Bid processing fees | : Rs. 1000.00 (In favor of M.D.R.I.S.L., Jaipur) |
| 5. Bid Security (In favor of Secretary JDA, Jaipur) | : @ 2% Rs. 98200.00/-
(For contractors not registered in JDA) |
| 6. Sales of Bid document | : 01.06.2020, 09.30 A.M. To 11.06.2020 Up to 6:00 PM |
| 7. Date & Time of Submission of Bid | : 01.06.2020, 09.30 A.M. To 11.06.2020 Up to 6:00 PM |
| 8. Date of submission of BG original Bank guarantee of EMD | : 12.06.2020 to 16.06.2020 Up to 4.00PM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur |
| 9. Date of opening of Technical Bid | : 17.06.2020 at 11.00 AM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur |
| 10. Completion period of work | : 2 Years |

SCHEDULE – A : INFORMATION USEFUL FOR THE BIDDERS :

The Bidder should quote the rates in percentage below/above given in the schedule 'G'. The work shall be carried out in accordance to the entire satisfaction of the Engineer-In-Charge of the work.

SCHEDULE – B: LIST OF THE DRAWING TO BE SUPPLIED BY THE DEPARTMENT:-

NIL

SCHEDULE – C: LIST OF THE DRAWING TO BE SUPPLIED BY THE BIDDER

NIL

SCHEDULE – D:- TEST OF THE MATERILS :

Attached Annexure ‘D’ List of test related to civil works.

SCHEDULE – E:- SAMPLE OF THE MATERIAL :

The samples taken by the bidder shall be got approved by the Engineer-In-Charge before testing in the lab.

SCHEDULE – F :- TIME OF COMPLETION

The work should be started within 10 days of issue of work order.

SCHEDULE – G :- ATTACHED SEPARATELY

SCHEDULE – H :- SPECIAL CONDITION

Attached separately

SCHEDULE – I :- LIST OF MATERIAL TO BE SUPPLIED BY THE DEPARTMENT :- NIL

SCHEDULE – J :- COST PF BID DOCUMENTS, PROCESSING, FEES & EARNEST MONEY

E.M.D. R.I.S.L. & Cost of Bid documents fee pay online only if earnest money is payable in favor of Secretary, JDA, Jaipur. BG original Bank guarantee physically submitted upto 4:00 PM dated 16.06.2020 in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur

**Signature of the Bidder
With full Address**

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

SPECIAL CONDITIONS

SCHEDULE 'H'

1. The bidder shall follow the bidder labour regulation and abolition Act 1970 & Rule 1971.
2. The JDA shall have right to cause on audit and technical examination of the work and the final bills of the bidder including all supporting vouchers, abstract etc. to be made within two years after payment of the final bills and if as a result such audit any amount is found to have been over paid/excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed the bidder shall be liable to refund such amount and it shall be lawful ;for the JDA to recover such sum from him in ;the manner prescribed in special condition no. 3 or any other manner legally permissible and if it is found that the bidder was paid less then that was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be paid bay the JDA to the bidder.
3. Whenever any claim against the bidder for the payment of a sum of money arises out or under the contracts, the JDA shall be entered to recover the sum by appropriating in part or whole of the security deposit of the bidder. In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may shall be deducted from any sum then due or which a any time there contract with the JDA should this sum be sufficient to recover the full amount recoverable, the bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to effect such recoveries under P.D.R. Act.
4. The rate quoted by the bidder shall remain valid for a period of 4(four) months from the date of opening of the bids.
5. By submission of this bid the bidder agree to abide with all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
6. No conditions are to be added by the bidder and conditional bid is liable to be rejected.
7. All transaction in the execution of this work and this bid will be liable to GST.
8. If any bidder withdraws his bid prior to expiry of said validity period given at S.No. 4 or mutually extended prior or makes modifications in the rates, terms and conditions of the bid within the said period which are not acceptable to the department or fails to commence the work in the specified period, fails to execute the agreement the department shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of earnest money given in any form absolutely. If any bidder, who having submitted a bid does not execute the agreement or start the work or dose not complete the work and the work has to be put to rebidding, he shall stand debarred for six months from

- participating of bidding in JDA in addition to forfeiture of Earnest Money / Security Deposit and other action under agreement
9. The bidder shall arrange his own equipment and machinery required for the work.
 10. Rules regarding establishment of bidders provide that work; upto five times limit for which they are qualified for bidding can be allotted to them Therefore, before bid the bidders will keep this in mind, and submit the details of work. Bids with incomplete or incorrect information are liable to be rejected.
 11. The material collected at site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed, fully on the work.
 12. The rates provided in bid documents are inclusive of all Taxes royalty. Bidder will be responsible for compliance of GST Act/Rule 2017.
 13. Undersigned has full right to reject any or all bids without given any reasons.
 14. As per Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the act."
 15. The bidders are required to submit copy of their enlistment as bidder.
 16. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
 17. Any bid received with unattested cutting/overwriting in rates shall be rejected and such bidder will be debarred from bidding for three months in JDA.
 18. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 will be applicable. If there is any contradiction in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 shall be applicable.
 19. The invoices of claim/payment by successful bidder, should be as stipulated/ laid down in GST Act 2017.
 20. The bid security amount which is more/less from the amount prescribed in the bid, should not be deposited online by the bidder and the amount more/less shall not be accepted by the system also.
 21. The amount deposited in different times shall not be accepted by the system in a single bid.
 22. If once a particular UTR No. used in a bid, shall not be used in another bid by the system.

Signature of Bidder
with full address & Mobile No.

Executive Engineer QC-I/II
JDA, Jaipur

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SPECIAL CONDITION OF THE CONTRACT FOR POTENTIAL ASSESSMENT

Name of work : - Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

Special conditions of contract for Potential Assessment as detailed here under, shall be applicable in addition to all other terms and condition already prescribed under standard agreement forms/rules and regulations to contract.

Joint ventures are not allowed.

1. Procedure :-

Procedure for **POTENTIAL ASSESSMENT** would be as follow:

(a) Bid documents shall be submitted online e-procurement website

<http://www.Proc.rajasthan.gov.in> with their digital Signature. The Bid is to be submitted in 3 Covers which shall comprise of –

Cover-1 Scanned copy of BG original Bank guarantee of Bid Cost Fees, Bid Security deposit fees and e-procurement processing fees and copy of registration of bidder in Company/Firms/Agencies.

Cover-2 Complete Bid Document along with addendums/amendments issued and uploaded by the Department on the above website, Bid form and schedules for Potential Assessment Bid and scanned copies of supporting Documents as required for qualification as detailed herein after. The firm/bidder should have GST registered.

Cover-3 Financial offer (BOQ)

(b) The technical bid will be opened online only of those bidders whose submit proper Bid Security, GST clearance certificate as per GST provision and copy of registration of bidder in required category are found to be in order. The Bid Security may be deposited through online or bank guarantee.

(c) The Technical Bid Envelope would be opened on the date 17.06.2020 at 11:00AM in the chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur & would be evaluation by Committee comprising as prescribed in SOP JDA.

- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the Potential Assessment criteria.

Note : -

- (i) If GST clearance certificate is not applicable in any State then appropriate proof is to be enclosed by bidder with certificate which is applicable in place of GST.

2. Criteria :-

Criteria for Potential Assessment would be as follows : -

- (1) The agency must have more than 25.00 Lacs turn over in any one of the last five financial years in material testing & investigation works. Bidder should submit the balance sheet of last five financial years and projected financial turnover 2018-19 duly certified by Chartered Accountant.
- (2) The agency should have a running civil lab/test house with NABL Accreditation at Jaipur (necessary papers to be attached). Bidder should submit the photograph of laboratory Accreditation from NABL which is equipped with modern equipment/machine and infrastructure required for running a civil lab and proof of ownership of the equipments. The NABL accreditation shall essentially contain at least Field test/Laboratory test of compressive strength of concrete. Binder content, Dry & Wet Sieve analysis of Soil, GSB, WMM & WBM. Test related to properties of Bitumen & Steel.
- (3) The agency should be capable of engaging necessary technically qualified staff including minimum two engineering Degree/Diploma holder and two scientists/experts in operating all equipments in the lab and for field sampling, deploy its own vehicle to collect the samples from various sites within JDA jurisdiction. Bidder should submit the proof of technical staff that is on company roll.
- (4) Bidder should submit the registration certificate of Companies/Firms/Agencies/Laboratories.

Note :-

- (i) The bidder should enclose certificate of Turn Over issued by a Chartered Accountant for last five financial years & audited balance sheet of the year which is considered by the bidder in criteria 2 (1)
- (ii) If current year or last year has been opted by bidder whose balance sheet is not submitted till the submission of bid then certificate from chartered Accountant should be enclosed.

3. Litigation History: - Bidder should provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last five years. The details shall be furnished in Schedule IV.

Note: -

- (i) The present price level for turnover, cost of completed work & disputed amount of

similar nature, the previous years value shall be given weightage of 10% per year as follows :-

(a) For Current year	1.00
(b) For last year	1.00
(c) For one year before	1.10
(d) For two year before	1.21
(e) For three year before	1.33
(f) For four year before	1.46

4. Documentation :-

1. The bidders should furnish sufficient documentary evidence in support of certifying the potential criteria of assessment. Bidders will not be allowed to withdraw any document or to rectify any information furnished therein after submitting the bid.
2. The bidder should give an affidavit in support of the information submitted by him. If any information is found to be incorrect, the offer of the bidder shall be rejected and firm will be black listed as per Rules.

5. Important :-

- (a) The bidder must ensure that all the information required in the Documents is furnished by him complete in all respects. He would not be allowed to withdraw any document, or to rectify any information furnished therein, after submitting the bid.
- (b) The bidder should give an affidavit that the information furnished in schedule attached is correct. If any information is found incorrect, the offer of the bidder shall be rejected and action be taken as per rules.
- (c) Bidders must do paging of all enclosure of bid documents.

6. Rejection of bids:-

The department reserves the right to reject any bid or to disqualify any or all the bidders, without assigning any reasons at any stage.

- (i) If bid is not accompanied with the requisite documents mentioned in clause 4(1) to 4(2) or is not in accordance with procedure specified in clauses 1, or is not accompanied with Bid security & GST clearance Certificate as per GST provision and registration of bidder in Company/Firms/Agencies/Laboratories it would be liable for rejection.
- (ii) Furnishing of incorrect or incomplete or concealment of any information required in the bid documents would render the bid liable for rejection.
- (iii) The GST clearance and bid security should be kept in a separate Cover 1, which along with Cover 2 Technical Bid and Cover 3 Financial Bid would be placed in Big Envelop, All together. Only after evaluating the correctness of bid security and VAT/GST clearance, the Technical Bid would be opened.
- (iv) Any effort by any bidder to influence JDA in bid evaluation, bid comparison on contract award decision may result in rejection of his bid & black listing as per Rules.

- (v) If all the copies enclosed in support or affidavit is not duly self attested then bid of the bidder is liable to be rejected.

7. Evidence for Eligibility:-

(i)	Accreditation Certificate for NABL	Attach copy
(ii)	Certificate of the Registration in Company/Firms/Agencies/Laboratories	Attach certified copies
(iii)	Balance sheet of the Company/ Firms/Agencies/Laboratories	Attach Copy of the Balance sheet duly signed by the Chartered Accountant
(iv)	Details of NABL Accreditation infrastructure for running a civil lab.	Attach details , papers of ownership along with photographs
(v)	Proof of staff on rolls	Attach details

8. Evaluation Criteria:-

1. Agency should quote the rate in overall percentage below/above mentioned in 'G' schedule inclusive of GST.

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

FINANCIAL RESOURCES AND CAPABILITY

1. Name of Bidder:- _____

2. Total financial turnover achieved by the bidder in any last 5 financial years:

S.No.	Year	Turnover
(1)	2019-20 (Projected)	
(2)	2018-2019	
(3)	2017-2018	
(4)	2016-2017	
(5)	2015-2016	
(6)	2014-2015	

Note:- Balance Sheets and Profit & Loss Accounts for the last five financial years should be enclosed.

3. Total financial Turnover projected in the current financial year.

4. Has bidder ever been debarred from tendering for Central Government / any State Government / any Government undertaking?

Yes / No, if yes, give details.

5. Has bidder ever been declared insolvent?

Yes/No, if yes give details

6. Name(s) and Address of Branch/(s) for bidder's Bankers.

I/We hereby certify that the above information is correct to the best of my/our knowledge and belief.

Date: -

Signature of Bidder
With Seal

SCHEDULE-IV
[Reference Clause 3(g)]

DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

S.No.	Name of work with agreement No & Date)	Client	Work order amount	Disputed Amount Claimed in Litigation/Arbitration	Date of Raising Disputed Amount	Actual Award Amount if the case is Decided	Cause of Litigation & matter in Dispute

Signature of Bidder
With Seal

ANNEXURE I
(Reference Clause 3(i))

To be given on Non-Judicial Stamp Paper of
Rs. 50/- only.

AFFIDAVIT

I/We.....Proprietor/Partner/Authorize signatory of
M/s..... under take the oath that the information furnished by
me /us in schedule I to IV of the assessment Bid for is
correct to the best of my/our knowledge. If any information is found to be incorrect JDA has right
to reject the Bid and to take action against me/us as per rules.

.....

Proprietor/Partner/Authorized signatory

M/s.....
.....

ANNEXURE 'A'

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Special Condition

1. The agency shall keep testing equipment duly calibrated and accredited throughout the contract period.
2. The agency shall deploy Engineers and Technical staff, as required. In case of failure, JDA shall engage and deduct the actual salaries from payment due.
3. Third party supervision of QC shall be followed in the works.
4. The agency shall provide a well furnished separate room with toilet, electricity/water connection for JDA staff close to the laboratory with a computer, printer having Internet connection etc. at agency's costs.
5. In case of breakdown of any testing equipment the agency shall arrange testing of samples at other NABL accredited lab approved by Engineer-In-Charge at its own cost for which no extra payment shall be made by JDA.
6. The Engineer-In-Charge may direct the agency to operate/function the lab even on holidays under urgency for which no extra payment shall be made.
7. Photography/Videography should be ensured if directed while taking the samples from the site and testing at its own cost.
8. Coding system to be evolved and adopted with consultation of JDA.
9. Joint presence of quality control engineers of JDA and contractor's representative would be preferred while collecting samples and during testing.
10. The NABL accredited tests which are not available with the lowest bidder will be got done by the lowest bidder on approved rates as per work order.
11. Lowest bidder would get minimum 50% of tests of all categories and JDA would give counter offer to other parties to carry out these tests on the lowest finalized rate.
12. Agency will have to provide uniform bags/containers for collecting samples at its own cost.
13. Agency shall impart/conduct testing training once in 3 months or as required in batches of 10-20 each. No extra cost shall be payable.

Signature of the Bidder

With full Address

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

Annexure B : Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is ACE/Dir. Engg. Dept.

The designation and address of the Second Appellate Authority is J.D.C.

(1) Filing an appeal :

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the rules or the guidelines issued thereunder, he may file an appeal to First Appellate authority, as specified in the Bidding document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a bidder as successful the appeal may be filed only by a bidder who has participated in procurement proceedings.

Provided further that in case a procuring entity evaluates the technical bids before the opening of the financial bids, an appeal related to the matter of financial bids may be filed only by a bidder whose technical bid is found to be acceptable.

(2) The officer to whom an appeal is filed under Para (1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it off within thirty days from the date of the appeal.

(3) If the officer designated under Para (1) fails to dispose off the appeal filed within the period specified in Para (2) or if the bidder or prospective bidder or the procuring entity is aggrieved by the order passed by the first appellate authority, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to second appellate authority specified in the bidding document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the first appellate authority as the case may be.

(4) Appeals not to lie in certain cases : -

No appeal shall lie against any decision of the procuring entity relating to the following matters, namely : -

- (a) Determination of need of procurement
- (b) Provisions limiting participation of bidders in the bid process
- (c) The decision of whether or not to enter into negotiations
- (d) Cancellation of a procurement process
- (e) Applicability of the provisions of confidentiality

(5) Form of Appeals :-

(a) An appeal under Para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.

(b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.

(c) Every appeal may be presented to first appellate authority or second appellate authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing Appeal :-

(a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall

be rupees ten thousand, which shall be non – refundable.

- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a scheduled bank in India payable in the name of appellate authority concerned.
- (7) Procedure for disposal of Appeal :-
 - (a) The first appellate authority or second appellate authority as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and document, if any, to the respondents and fix date of hearing.
 - (b) On the date fixed for hearing, the first appellate authority or second appellate authority, as the case may be shall-
 - (i) Hear all the parties to appeal present before him; and
 - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
 - (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the appellate authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
 - (d) The order passed under sub-clause (c) above shall also be placed on the state public procurement portal.

Form No. 1

[See rule 83]

**Memorandum of Appeal under the Rajasthan Transparency in
Public Procurement Act, 2012**

Appeal No Of Before the
..... (First/ Second Appellate Authority)

1. Particulars of appellant :
 - (a) Name of the appellant :
 - (ii) Official address, if any :
 - (iii) Residential address:
2. Name and address of the respondent (s):
 - (i)
 - (ii)
 - (iii)
3. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:
4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:
5. Number of affidavits and documents enclosed with the appeal:
6. Grounds of appeal:.....
7. Prayer

Place

Date

Appellant's Signature

1. General Information:

1. The bidder should be well conversant with IS/IRC/MoRTH/ASTM/BS and other specification particularly with ISO/IEC : 17025:2005 and follow these standards.
2. The bidder shall conduct test as per the direction of Engineer- In-charge with proper equipment, sufficient staff and vehicles.
3. Equipments mentioned in Annexure-C have to be provided by the bidder in this lab.
4. All Equipments, Machines and gauges should be calibrated from NABL norms.
5. It will be the responsibility of successful bidder to collect sample from various sites along with QC Staff / person nominated by JDA as per prescribed norms/instructions of Engineers-In-Charge.
6. Bidder should employ minimum two engineering degree/diploma holder and two scientists/experts in operating all equipments placed in the lab to begin with and shall have to deploy more staff corresponding to work load.
7. For collection of sample successful bidder has to arrange vehicles at his own cost no extra payment on this account shall be payable. The number of vehicle should be sufficient for smooth running of complete operation (minimum one vehicle).
8. Engineer-In-Charge from time to time will assess the additional requirement of staff as well as vehicles and bidder has to arrange/provide them as per directions.
9. All the tests at lab shall be carried out in accordance with IS/IRC/MoRTH/BS&ASTM (if required)/JDA detailed specification and to the entire satisfaction of the QC staff/Engineer-In-Charge.
10. The bidder shall comply with all the instructions and conditions given in the sections herein after in this document.
11. He shall maintain a library in soft copy and hard copy both in the lab where he shall have all relevant codes, test procedures acceptance criteria & further methodology of testing if any, available for use.
12. The bidder shall assist JDA for Job Mix Design.
13. Lab will allow witnessing test on written request from the agency/Contractor and

no extra payment shall be made to lab.

14. The test listed (Annexure 'D') which are not covered under NABL approval, will be conducted as per relevant BIS specification by duly calibrated equipments. The scope of accreditation as accorded by NABL should contain at least Field test/Laboratory test of compressive strength of concrete. Binder content, Dry & Wet Sieve analysis of Soil, GSB, WMM & WBM. Test related to properties of Bitumen & Steel.
15. Lab will maintain NABL at all time and will get re-accreditation well in advance before expiry of such accreditation.

2. Procedure:

1. After finalization of bid successful bidder will be awarded this work.
2. The engaged lab for JDA should be operational within 10 days from issue of the work order, failing which his earnest money will be forfeited and he will be blacklisted for at least next six months.
3. For all works it will be responsibility of successful bidder to make the complete program for collecting the samples from site with prior approval of Engineer-In-Charge.
4. As per the program a team comprising QC staff/person nominated by Engineer-In-Charge and required staff of lab will go to the sites and collect the samples.
5. In special cases staff of bidder will be authorized to take the samples from any site on any date by EE(QC)/SE(QC)/Dir(Engg) without presence of QC staff.
6. It will be the responsibility of Bidder to take the necessary pictures of work on sites at the time of taking samples if directed. He/She will also ensure the prima-facie work is as per the norms. During this process if they find any bad quality of work it will be their duty to report it immediately to the EE(QC)-I/II and respective Ex En of work and they will be authorized to take any sample of that poor/bad work.

7. In case where no representative of contractors/zones technical staff is available at site, QC staff will take necessary picture and they will be authorized to take necessary samples.
8. The collected samples shall be tested in the lab by the staff and result will be sent to the respective Ex En.(QC)-I/II within prescribed time and concerning Ex En shall link the results with the payment of the contractor.
9. The following color coding for reports shall be followed :
 - Report in white paper - Results are within limits
 - Report in Red paper - Results are beyond limits
10. For category B type works, it will be responsibility of respective Ex. Eng. to lay down the program for test to be conducted by bidder's lab from time to time, as in such case lab of contractor will also be there.
11. All required tests with prescribed norms shall be conducted by lab.
12. The successful bidder will provide names of the qualifying Engineers/scientists who will perform the test and thereby sign the results.
13. These Tests should be conducted by the competent technical staff only.
14. If it is found that test carried by lab staff is tampered/ manipulated/ misrepresented then JDA will take further actions in this regard.
15. The bidder shall comply with all the instructions and conditions given in the sections here in after in this document.

3. Payments:

1. The successful bidder shall be paid on the basis of number of the respective tests conducted by them in each month duly verified by QC Staff.
2. Bill will be raised by bidder to JDA and will be verified by JDA QC staff according to rates approved.
3. JDA will deduct relevant taxes as per normal prescribed norms from each bill.
4. On successful completion of contract period SD shall be refunded as per normal prescribed norms.

4. Penalties:-

1. If any complaint against the bidder found correct then a penalty of Rs 25,000/- will be levied on the successful bidder.
2. If repeated second time then the contract of the successful bidder will be terminated and all his amount with JDA will be forfeited and he will be black listed for at least next 6 months.

3. Term period :-

1. This contract will be initially for two years period which can be extended as per provision of THE RAJASTHAN TRANSPERNCY IN PUBLIC PROCURMENT ACT, 2012 and Rules, 2013. If there is any contradiction in existing special conditions and provisions of THE RAJASTHAN TRANSPERNCY IN PUBLIC PROCURMENT ACT, 2012 and Rules, 2013, then provision of THE RAJASTHAN TRANSPERNCY IN PUBLIC PROCURMENT ACT, 2012 and Rules, 2013 shall be applicable.

Annexure - C

LIST OF REQUIRED EQUIPMENTS IN THE LAB

S.No.	Name of Equipment to be used
1	Sieves Set (125mm,90mm,75mm,63 mm,53 mm,45 mm,26.5 mm,22.4 mm,20 mm,19 mm, 13.2 mm,11.2 mm,10 mm,9.5 mm,6.3 mm,5.6 mm,4.75 mm,2.8 mm,2.36 mm,2.0 mm,1.4 mm,0.710 mm,0.600 mm,0.425 mm,0.355 mm,0.300 mm,0.180 mm,0.090 mm,0.075 mm)
2	Aggregate Impact Tester
3	Sieve Shaker(Electrically Operated with time switch assembly)
4	Electronic Digital Balance Capacity 500gm Accuracy 0.01gm Electronic Digital Balance Capacity 10Kg Accuracy 1.0 gm Electronic Digital Balance Capacity 30 Kg Accuracy 5.0 gm
5	Compression Testing Machine 2000KN
6	Crushing Mould
7	Los Angeles Abrasion testing machine with counter
8	Laboratory Electric Oven , Thermostatically Controlled Range 50 deg C to 300 deg C +/-3 deg C with Air Circulating Fan SS, inside size 600x900x450mm -Cylindrical Metal Measures -Balance
9	Containers
10	Pycnometer
11	Density Basket
12	Thickness Gauge
13	Length Gauge
14	Beaker
15	Water Bath(Double walled with digital controller cum indicator with stirring arrangement, inside stainless steel , temperature range amb. +5 deg C to 95 deg C +/-0 deg C size 600x300x175mm)
16	Cylindrical Metal Measures
17	Chemical Analysis Kit for PH
18	Chemicals(MgSO ₄ &Na ₂ SO ₄)
19	Glass Cylinders 1000ml
20	Enamel trays -Size 650x500x50mm -Size 650x450x50mm -Size 450x300x40mm -Size 300x250x40mm -Size 200x150x30mm
21	Digital Thermometer, Range :- 50 to 280 deg. C
22	Thermometers, ZEAL make -10 deg C to 150 deg C Thermometers, ZEAL make 0 deg C to 300 deg C
23	Vibration Table
24	Moulds (150mmx150mmx150mm)
25	Accelerated curing Tank
26	Slump Cone
27	Rebound Hammer-Schmidt Type
28	Compaction factor Apparatus
29	Tile abrasion M/c
30	Chemicals for chemicals Resistance of Tiles

S.No.	Name of Equipment to be used
31	Hardness Box
32	Tiles Transverse Strength M/c
33	Specific Gravity Bottle(50ml & 100ml)
34	Cassagrande
35	Cone Penetrometer for soil
36	Glass Plate(30cm x 30 cmx 3mm)
37	Brass Rod (Length 30cm , dia 3mm)
38	Shrinkage Dish
39	Mercury
40	Compaction Mould(Dia 100 &150 mm & Ht 127.3 mm)
41	Automatic Compactor
42	Hydrometer
43	Triaxial Shear test Apparatus
44	Consolidation test Apparatus (3 Cell)
45	Unconfined Compression test Apparatus
46	CBR Machine
47	Direct Shear Test Apparatus
48	Permeability Test Apparatus
49	Glass/Plastic Cylinders 100 ml Capacity
50	Specific Gravity for Bitumen
51	Ring & Ball Apparatus
52	Penetrometer for Bitumen
53	Stop Watch1/5 sec
54	Viscometer
55	Ductilitometer
56	Flash Point / Fire Point Apparatus
57	Job mix formula by Marshall Stability Apparatus
58	Bitumen Extraction Apparatus
59	Core Cutting Machine
60	Sand Replacement Apparatus
61	Universal Testing Machine
62	Roughometer

Note : As per the requirement from time to time bidder may be asked to supply new equipments which is not listed in Annexure-C but required for testing.

Annexure - D

LIST OF TEST, Related to Civil Works

1. COARSE AGGREGATE

S.No.	NAME OF TEST	IS Reference
1	Impact Value	IS:2389 Part-IV, IS:5640-1970, 3.8 Pg-83
2	Dry Sieve Analysis	IS:2720-1985 Part-IV, 2.4 Pg-15
3	Crushing value	IS:2386 Part-IV, Sec-2
4	Abrasion Value	IS:2386 Part-IV
5	Water Absorption	IS:2386 Part-II
6	Specific Gravity	IS:2386-1963 Part-III, 3.4 Pg-68
7	Bulk Density	IS:2386-1963 Part-III, 3.2 Pg-63
8	Soundness	IS:2386-1963 Part-V, 3.7 Pg-78
9	Flakiness	IS:2386-1963 Part-I, 3.1 Pg-59
10	Elongation Test	IS:2386-1963 Part-I, 3.1 Pg-59
11	Stripping value	IS:6241-1971, 3.10 Pg-88
12	Moisture content	IS:2720-1973 Part-II, 2.2 Pg-8
13	10 % fine value	IS:2386 Part-IV
14	Deleterious Material	IS:2386 Part-II
15	Alkali Aggregate Reactivity	IS:2386 Part-V
16	Petrographic Examination	IS:2386 Part-VIII
17	Combined Elongation & Flakiness Index	IS:2386-1963 Part-I, 3.1 Pg-59

2. FINE AGGREGATE / SAND

S.No.	NAME OF TEST	IS Reference
1	Dry Sieve Analysis	IS:2720 Part-IV, 2.4 Pg-15 Sec.-3 & 4
2	Bulk Density	IS:2386-1963 Part-III, 3.2 Pg-63
3	Specific Gravity	IS:2720-1980 Part-III Pg-11
4	pH value	---
5	Silt Content	IS:2720 Part-IV 205 Pg-19
6	Deleterious Material	IS:2386 Part-II
7	Bulking	IS:2386 Part-III
8	Water Absorption	
9	Soundness (By Chemical Method)	IS:2386 Part-V
10	Organic Impurities	IS:2386 Part-II
11	Alkali Aggregate Reactivity	IS:2386 Part-V

3. CEMENT CONCRETE

S.No.	NAME OF TEST	IS Reference
1	Compressive Strength of cube (one set)	IS:516-1959 6.3 Pg-146
2	Compressive Strength of CC core	IS:516-1959 & SP-24
3	Concrete Mix design including lab. Testing in normal condition	IS:10262
4	Concrete Mix design by Accelerated curing method	IS:10262 & 9013
5	Slump Test	IS:1199-1959 6.1 Pg-141
6	Compaction factor	IS:1199-1959 6.2 (5.2 Pg-143)
7	Compressive Strength of Paver Block ,Kerb Stone & CC Tiles	IS:5758

4. **BRICKS**

S.No.	NAME OF TEST	IS Reference
1	Dimension tolerance	IS:1077-1992
2	Water Absorption	IS:3495-1992Part-II
3	Crushing strength	IS: 3495-1992 Part-I
4	Efflorescence	IS:3495-1992Part-III
5	Visual Examination	IS:1077-1992
6	Warpage	IS:1077-1992

5. **Tiles** (Terrazo/Marbles/Glazed/Ceramic)

S.No.	NAME OF TEST	IS Reference
1	Water Absorption	IS:777
2	Dimensional & Visual Examination	IS: 13753
3	Transverse strength	IS: 13754
4	Resistance to wear	IS: 13755
5	Chemical Resistance	IS:13756
6	Hardness	--
7	Crushing Strength	--

6. **SOIL/GSB/WMM/WBM LABORATORY TEST**

S.No.	NAME OF TEST	IS Reference
1	Natural Moisture Content	IS:2720-1980 Part-II
2	Specific Gravity	IS:2720-1980 Part-III 2.3 Sec.-1
3	Liquid Limit	IS: 2720-1985 Part-V 2.6 Pg-26
4	Plastic Limit	IS:2720-1980Part-V 2.4 Pg-29
5	Shrinkage Limit	IS:2720-1972 Part-VI
6	Proctor test for OMC & Max. Dry	IS:2720-1983Part-VIII 2.8 Pg-32
7(a)	West Sieve Analysis	IS:2720-1983Part-IV 2.4 Pg-15
(b)	Dry sieve analysis	IS:2720-1983
8	Hydrometer/pipette test for Grain Size (Silt &	IS:2720-1983Part-IV 2.5 Pg-19
9	Density Index	IS:2720-1983Part-14
10	Triaxial Shear test without pore pressure measurement	IS:2720 Part-11
11	Consolidation test	IS:2720 Part-15
12	Unconfined compression test	IS:2720 Part-15
13	California Bearing Ratio	IS: 2720 Part-16
14	Direct Shear Test	IS:2720 Part-13
15	Permeability of soil (Lab)	IS:2720 Part-17
16	Free swell Index	IS:2720 1977 Part-40
17	Organic Matter	IS:2720 1977 Part-27
18	WMM Mix Design	As per MOST
19	Field Density by sand replacement	IRC SP-57

7. **BITUMEN**

S.No.	NAME OF TEST	IS
1	Specific Gravity	IS:1202-1978, 5.1 Pg-115
2	Softening Point	IS:1205-1978, 5.3 Pg-122
3	Penetration value	IS:1203-1978, 5.2 Pg-118
4	Viscosity	IS:1206-1978, 5.4 Pg-125

5	Ductility	IS:1208-1978, 5.5 Pg-129
6	Flash Point / Fire Point	IS:1209-1978, 5.6 Pg-132
7	Job mix formula by Marshall Stability Test (a) B.M. /DBM /BC/SDBC	MS 4-1989, ASTM, Pg-1559 and AASHTO
8	Marshall Stability Test by bituminous loose mix	MS 4-1989, ASTM, Pg-1559 and AASHTO
9	Bitumen Extraction	IRC SP-11-1988, Appendix-5, 7.2 Pg-155
10	Field Density of Bitumen by sand replacement method	IS:2720 Part-8
11	Stripping Value	--

8. CEMENT

S.No.	NAME OF TEST	IS Reference
1	Fineness (Sieving test)	IS:4031-1966 Part-I, 4.2 Pg-96
2	Fineness (Air Permeability test)	IS:4031-1966 Part-I, 4.2 Pg-96
3	Consistency & Setting Time	IS:4031-1988 Part-IV, 4.4 Pg-102
4	Compressive Strength of Cubes (Cement Mortar)	IS:4031-1988 Part-IV, 4.6 Pg-108
5	Soundness (Le-chatelier test)	IS:4031-1988 Part-III, 4.3 Pg-99
6	Soundness (Autoclave Test)	IS:4031-1988 Part-III, 4.3 Pg-99

9. FLY ASH

S.No	NAME OF TEST	IS Reference
1	Physical Test	IS:3812

10. STEEL

S.No.	NAME OF TEST	IS Reference
1	Steel (Physical/ Chemical)	IS: 1786/2062
2	G.I. Product for Zinc Coating	IS: 6745
3	Barbed Wire	IS: 278
4	C.I. Pipe (Dimension) as per	IS: 1536
5	G.I. Pipe as per	IS: 1161 & 1239
6	Chain Link Fencing	IS: 2721

11. CHEMICAL ANALYSIS

S.No.	NAME OF TEST	IS Reference
1	Ratio of Cement in Mortar	IS: 1199/ASTM-C1084
2	Ratio of Cement, Sand, Aggregate	IS: 1199/ASTM-C1084
3	Cement	IS: 4032
4	Fly Ash	IS: 3812
5	Drinking Water	IS: 10500
6	Construction Water	IS: 456
7	Horticulture Water	CP
8	Salphlis Chloride & PH Concrete	BS : 1881

12.THERMOPLASTIC MATERIAL

S.No.	NAME OF TEST	IS Reference
1.	Complete Analysis	ASTM D 36/BS-3 262(Part-1)

13. ADMIXTURE/WATER PROOFING COMPOUND

S.No.	NAME OF TEST	IS Reference
1	Admixture (Uniformity Test)	--
2	Admixture (Physical Test)	--
3	Sealing Compound	--

14. FIELD TEST

SR. NO.	Name of Test	IS Reference
1	Core cutting from the concrete structure with testing (compressive strength) for each core of 6 inches dia including sampling, capping, curing and mobilization charges complete in all respect. As per the Engineering Incharge	IS:516-1959 & SP-24
2	Core cutting from the concrete structure with testing (compressive strength) for each core of 4 inches dia including sampling, capping, curing and mobilization charges complete in all respect. As per the Engineering Incharge	IS:516-1959 & SP-24
3	Core cutting from the Bituminous pavement with testing (density) for each core of 6 inches dia including sampling and mobilization charges complete in all respect As per engineering Incharge	IRC SP 111
4	Rebound Hammer test at one location at jaipur(including to & fro charges at least 3 locations required per site	IS 13311 Part-II

Annexure - E

LIST OF TEST Related to PHE Works

1.SW Pipes Grade-I

Sr. No.	Name of Test	IS Reference
1.	Water Absorption	IS:651
2.	Acid Resistance	IS:651
3.	Alkali Resistance	IS:651



JAIPUR DEVELOPMENT AUTHORITY JAIPUR

FINANCIAL BID (Limited to Jaipur District)

FOR

Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

FINANCIAL BID

Period of Sale	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
Date of receipt of Bid	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
Date of opening of Technical Bid	17.06.2020 at 11:00 AM in chamber of from Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
Date of submission of BG original Bank guarantee of EMD	12.06.2020. to 16.06.2020 Upto 4:00 PM in chamber of from Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
Completion Period	2 Years
Name of Agency	M/s -----

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY JAIPUR

1. GENERAL DETAILS OF TENDER

1.	NIB No.	EE-QC-I/II/01/2020-21
2.	Name of the work	Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)
3.	Estimated cost	Rs. 49.10 Lacs
4.	Bid processing fees	Rs. 1000.00 (in favor of M.D.R.I.S.L., Jaipur)
5.	Cost of Bid document	Rs. 500.00 (in favor of Secretary, Jaipur)
6.	Earnest Money	@ 2% Rs. 98200.00/- (for Bidders not registered in JDA)
7.	Completion period	2 Years
8.	Sales of Bid	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
9.	Date & Time of Submission of Bid	01.06.2020 9:30 AM To 11.06.2020 Up to 6:00 PM
10.	Date of submission of BG original Bank guarantee of EMD	12.06.2020 to 16.06.2020 Upto 4:00 PM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
11.	Date of opening of Technical Bid	17.06.2020 at 11:00 AM in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur
12.	Tender document issued to	M/s
13.	Tender cost deposit	Receipt No. Dated

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SCHEDULE AND SPECIFICATIONS

Name of work :- Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

- | | |
|--|---|
| 1. NIB No. | : EE-QC-I/II/01/2020-21 |
| 2. Approximate cost | : Rs. 49.10 Lacs |
| 3. Cost of Bid document | : Rs. 500.00 (in favor of Secretary, Jaipur) |
| 4. Bid processing fees | : Rs. 1000.00 (in favor of M.D.R.I.S.L., Jaipur) |
| 5. Bid Security (In favor of Secretary JDA, Jaipur) | : @ 2% Rs. 98200.00
(for Bidders not registered in JDA) |
| 6. Sales of Bid document | : 01.06.2020 9:30 AM To 11.06.2020
Up to 6:00 PM |
| 7. Date & Time of Submission of Bid | : 01.06.2020 9:30 AM To 11.06.2020
Up to 6:00 PM |
| 8. Date of submission of BG original Bank guarantee of EMD | : 12.06.2020 to 16.06.2020 Upto 4:00 PM in
chamber of Superintending Engineer- XIII-QC
Room No. CB-FF-108 Ist Floor Citizen Care
Centre Building, JDA Campus, JDA Jaipur |
| 9. Date of opening of Technical Bid | : 17.06.2020 at 11:00 AM in chamber of
Superintending Engineer- XIII-QC Room No.
CB-FF-108 Ist Floor Citizen Care Centre
Building, JDA Campus, JDA Jaipur |
| 10. Completion period of work | : 2 Years |

SCHEDULE – A : INFORMATION USEFUL FOR THE BIDDERS :

The Bidder should quote the rates in percentage below/above given in the schedule 'G'. The work shall be carried out in accordance to the entire satisfaction of the Engineer-In-Charge of the work.

SCHEDULE – B: LIST OF THE DRAWING TO BE SUPPLIED BY THE DEPARTMENT:-

NIL

SCHEDULE – C: LIST OF THE DRAWING TO BE SUPPLIED BY THE BIDDER

NIL

SCHEDULE – D:- TEST OF THE MATERILS :

Attached Annexure 'D' List of test related to civil works.

SCHEDULE – E:- SAMPLE OF THE MATERIAL :

The samples taken by the bidder shall be got approved by the Engineer-In-Charge before testing in the lab.

SCHEDULE – F :- TIME OF COMPLETION

The work should be started within 10 days of issue of work order.

SCHEDULE – G :- ATTACHED SEPARATELY

SCHEDULE – H :- SPECIAL CONDITION

Attached separately

SCHEDULE – I :- LIST OF MATERIAL TO BE SUPPLIED BY THE DEPARTMENT :- NIL

SCHEDULE – J :- COST PF BID DOCUMENTS, PROCESSING, FEES & EARNEST MONEY

E.M.D. R.I.S.L. & Cost of Bid documents fee pay online only if earnest money is payable in favor of Secretary, JDA, Jaipur. BG original Bank guarantee physically submitted upto 4:00 PM dated 16.06.2020 in chamber of Superintending Engineer- XIII-QC Room No. CB-FF-108 Ist Floor Citizen Care Centre Building, JDA Campus, JDA Jaipur

**Signature of the Bidder
With full Address**

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Special Condition

1. The agency shall keep testing equipment duly calibrated and accredited throughout the contract period.
2. The agency shall deploy Engineers and Technical staff, as required. In case of failure, JDA shall engage and deduct the actual salaries from payment due.
3. Third party supervision of QC shall be followed in the works.
4. The agency shall provide a well furnished separate room with toilet, electricity/water connection for JDA staff close to the laboratory with a computer, printer having Internet connection etc. at agency's costs.
5. In case of breakdown of any testing equipment the agency shall arrange testing of samples at other NABL accredited lab approved by Engineer-In-Charge at its own cost for which no extra payment shall be made by JDA.
6. The Engineer-In-Charge may direct the agency to operate/function the lab even on holidays under urgency for which no extra payment shall be made.
7. Photography/Videography should be ensured if directed while taking the samples from the site and testing at its own cost.
8. Coding system to be evolved and adopted with consultation of JDA.
9. Joint presence of quality control engineers of JDA and contractor's representative would be preferred while collecting samples and during testing.
10. The NABL accredited tests which are not available with the lowest bidder will be got done by the lowest bidder on approved rates as per work order.
11. Lowest bidder would get minimum 50% of tests of all categories and JDA would give counter offer to other parties to carry out these tests on the lowest finalized rate.
12. Agency will have to provide uniform bags/containers for collecting samples at its own cost.
13. Agency shall impart/conduct testing training once in 3 months or as required in batches of 10-20 each. No extra cost shall be payable.

Signature of the Bidder

With full Address

**Executive Engineer (Q.C.)-I/II
Jaipur Development Authority,
Jaipur.**

Percentage BoQ

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work: Engaging Testing Lab for JDA in Jaipur City for the year 2020 to 2022 (Rate Contract)

Contract No: EE (QC-1/II)/01/2020-21

Name of the Bidder/ Bidding Firm/ Company :						
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1.00	1. COARSE AGGREGATE					
1.01	Impact Value	50.000	Nos	250.00	12500.00	INR Twelve Thousand Five Hundred Only
1.02	Dry Sieve Analysis	50.000	Nos	150.00	7500.00	INR Seven Thousand Five Hundred Only
1.03	Crushing value	25.000	Nos	250.00	6250.00	INR Six Thousand Two Hundred & Fifty Only
1.04	Abrasion Value	25.000	Nos	325.00	8125.00	INR Eight Thousand One Hundred & Twenty Five Only
1.05	Water Absorption	25.000	Nos	215.00	5375.00	INR Five Thousand Three Hundred & Seventy Five Only
1.06	Specific Gravity	25.000	Nos	200.00	5000.00	INR Five Thousand Only
1.07	Bulk Density	25.000	Nos	150.00	3750.00	INR Three Thousand Seven Hundred & Fifty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1.08	Soundness	25,000	Nos	990.00	24750.00	INR Twenty Four Thousand Seven Hundred & Fifty Only
1.09	Flakiness Index	25,000	Nos	200.00	5000.00	INR Five Thousand Only
1.10	Elongation Index	25,000	Nos	200.00	5000.00	INR Five Thousand Only
1.11	Stripping value	25,000	Nos	400.00	10000.00	INR Ten Thousand Only
1.12	Moisture content	10,000	Nos	150.00	1500.00	INR One Thousand Five Hundred Only
1.13	10% fine value	10,000	Nos	300.00	3000.00	INR Three Thousand Only
1.14	Deleterious Material	10,000	Nos	750.00	7500.00	INR Seven Thousand Five Hundred Only
1.15	Alkali Aggregate Reactivity	10,000	Nos	820.00	8200.00	INR Eight Thousand Two Hundred Only
1.16	Petrographic Examination	10,000	Nos	2000.00	20000.00	INR Twenty Thousand Only
2.00	2. FINE AGGREGATE / SAND					
2.01	Dry Sieve Analysis	75,000	Nos	150.00	11250.00	INR Eleven Thousand Two Hundred & Fifty Only
2.02	Bulk Density	20,000	Nos	150.00	3000.00	INR Three Thousand Only
2.03	Specific Gravity	20,000	Nos	200.00	4000.00	INR Four Thousand Only
2.04	Ph value	20,000	Nos	175.00	3500.00	INR Three Thousand Five Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1		3	4	5	6	7
2.05	Silt Content	20,000	Nos	150.00	3000.00	INR Three Thousand Only
2.06	Deleterious Material	20,000	Nos	700.00	14000.00	INR Fourteen Thousand Only
2.07	Bulking	20,000	Nos	150.00	3000.00	INR Three Thousand Only
2.08	Water Absorption	20,000	Nos	190.00	3800.00	INR Three Thousand Eight Hundred Only
2.09	Soundness(By Chemical Method)	20,000	Nos	900.00	18000.00	INR Eighteen Thousand Only
2.10	Organic Impurities	20,000	Nos	450.00	9000.00	INR Nine Thousand Only
3.00	3. CEMENT CONCRETE					
3.01	Compressive Strength of Cube (each set)	100,000	Nos	100.00	10000.00	INR Ten Thousand Only
3.02	Concrete Mix design including lab. Testing in normal condition	10,000	Nos	4900.00	49000.00	INR Forty Nine Thousand Only
3.03	Concrete Mix design by Accelerated curing method	10,000	Nos	5000.00	50000.00	INR Fifty Thousand Only
3.04	Slump Test	20,000	Nos	700.00	14000.00	INR Fourteen Thousand Only
3.05	Compaction factor	10,000	Nos	700.00	7000.00	INR Seven Thousand Only
3.06	Compressive Strength of Paver Block/Kerb Stone each no	400,000	Nos	100.00	40000.00	INR Forty Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
3.07	Core cutting from the concrete structure with testing (compressive strength) for each core of 6 inches dia including sampling, capping, curing and mobilization charges complete in all respect. As per the Engineering Incharge	515.000	Nos	2119.00	1091285.00	INR Ten Lakh Ninety One Thousand Two Hundred & Eighty Five Only
3.08	Core cutting from the concrete structure with testing (compressive strength) for each core of 4 inches dia including sampling, capping, curing and mobilization charges complete in all respect. As per the Engineering Incharge	150.000	Nos	1920.00	288000.00	INR Two Lakh Eighty Eight Thousand Only
4.00	4. BRICKS					
4.01	Dimension tolerance	12.000	Nos	150.00	1800.00	INR One Thousand Eight Hundred Only
4.02	Water Absorption	12.000	Nos	200.00	2400.00	INR Two Thousand Four Hundred Only
4.03	Crushing strength	12.000	Nos	300.00	3600.00	INR Three Thousand Six Hundred Only
4.04	Efflorescence	12.000	Nos	200.00	2400.00	INR Two Thousand Four Hundred Only
4.05	Visual Examination	12.000	Nos	100.00	1200.00	INR One Thousand Two Hundred Only
4.06	War page	12.000	Nos	200.00	2400.00	INR Two Thousand Four Hundred Only
5.00	5. Tiles (Terrazo/Marbles/Glazed/CC/Ceramic)					
5.01	Water Absorption	8.000	Nos	200.00	1600.00	INR One Thousand Six Hundred Only
5.02	Dimensional & Visual Examination	8.000	Nos	109.00	872.00	INR Eight Hundred & Seventy Two Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
5.03	Transverse strength	8.000	Nos	400.00	3200.00	INR Three Thousand Two Hundred Only
5.04	Resistance to wear	8.000	Nos	500.00	4000.00	INR Four Thousand Only
5.05	Chemical Resistance	8.000	Nos	300.00	2400.00	INR Two Thousand Four Hundred Only
5.06	Hardness	8.000	Nos	150.00	1200.00	INR One Thousand Two Hundred Only
6.00	6. SOIL/GSB/MMM/WBM LABORATORY TEST					
6.01	Natural Moisture Content	10.000	Nos	150.00	1500.00	INR One Thousand Five Hundred Only
6.02	Specific Gravity	20.000	Nos	200.00	4000.00	INR Four Thousand Only
6.03	Liquid Limit	50.000	Nos	200.00	10000.00	INR Ten Thousand Only
6.04	Plastic Limit	50.000	Nos	190.00	9500.00	INR Nine Thousand Five Hundred Only
6.05	Shrinkage Limit	20.000	Nos	300.00	6000.00	INR Six Thousand Only
6.06	Proctor test for OMC & Max.Dry Density	20.000	Nos	700.00	14000.00	INR Fourteen Thousand Only
6.07	Wet Sieve Analysis	100.000	Nos	200.00	20000.00	INR Twenty Thousand Only
6.08	Dry sieve analysis (For sandy soil only)	100.000	Nos	200.00	20000.00	INR Twenty Thousand Only
6.09	Hydrometer/ pipette test for Grain Size (Silt & Clay) (Sedimentation Analysis)	5.000	Nos	700.00	3500.00	INR Three Thousand Five Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
6.10	Density Index	5.000	Nos	200.00	1000.00	INR One Thousand Only
6.11	Triaxial Shear test without pore pressure measurement	5.000	Nos	1000.00	5000.00	INR Five Thousand Only
6.12	Consolidation test	5.000	Nos	1000.00	5000.00	INR Five Thousand Only
6.13	Unconfined compression test	5.000	Nos	500.00	2500.00	INR Two Thousand Five Hundred Only
6.14	California Bearing Ratio	10.000	Nos	800.00	8000.00	INR Eight Thousand Only
6.15	Direct Shear Test	5.000	Nos	800.00	4000.00	INR Four Thousand Only
6.16	Permeability of soil (Lab)	5.000	Nos	700.00	3500.00	INR Three Thousand Five Hundred Only
6.17	WMM Mix Design	10.000	Nos	3000.00	30000.00	INR Thirty Thousand Only
7.00	7. BITUMEN					
7.01	Specific Gravity	20.000	Nos	200.00	4000.00	INR Four Thousand Only
7.02	Softening Point	20.000	Nos	200.00	4000.00	INR Four Thousand Only
7.03	Penetration Value	20.000	Nos	200.00	4000.00	INR Four Thousand Only
7.04	Viscosity	20.000	Nos	300.00	6000.00	INR Six Thousand Only
7.05	Ductility	20.000	Nos	300.00	6000.00	INR Six Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
7.06	Flash Point / Fire Point	20.000	Nos	200.00	4000.00	INR Four Thousand Only
7.07	Job mix formula by Marshall Stability Test (a) B.M./DBM/BC/SDBC	20.000	Nos	5000.00	100000.00	INR One Lakh Only
7.08	Bitumen Extraction	1000.000	Nos	400.00	400000.00	INR Four Lakh Only
7.09	Stripping Value	20.000	Nos	400.00	8000.00	INR Eight Thousand Only
7.10	Core cutting from the Bituminous payment with testing (density) for each core of 6 inches dia including sampling and mobilization charges complete in all respect As per engineering Incharge	1100.000	Nos	1593.00	1752300.00	INR Seventeen Lakh Fifty Two Thousand Three Hundred Only
8.00	8. CEMENT					
8.01	Fineness (Sieving test)	5.000	Nos	150.00	750.00	INR Seven Hundred & Fifty Only
8.02	Fineness (Air Permeability test)	15.000	Nos	200.00	3000.00	INR Three Thousand Only
8.03	Consistency & Setting Time	15.000	Nos	300.00	4500.00	INR Four Thousand Five Hundred Only
8.04	Compressive Strength of Cubes(Cement Mortar)	50.000	Nos	500.00	25000.00	INR Twenty Five Thousand Only
8.05	Soundness (Le-chatelier test)	25.000	Nos	105.00	2625.00	INR Two Thousand Six Hundred & Twenty Five Only
8.06	Soundness (Autoclave Test)	25.000	Nos	325.00	8125.00	INR Eight Thousand One Hundred & Twenty Five Only
9.00	9. FLY ASH					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
9.01	Physical Test	10.000	Nos	400.00	4000.00	INR Four Thousand Only
10.00	10. STEEL					
10.01	Steel (Physical/ Chemical)	300.000	Nos	1000.00	300000.00	INR Three Lakh Only
10.02	G.I. Product for Zinc Coating	20.000	Nos	150.00	3000.00	INR Three Thousand Only
10.03	Barbed Wire	19.000	Nos	200.00	3800.00	INR Three Thousand Eight Hundred Only
10.04	C.I. Pipe (Dimension)	20.000	Nos	200.00	4000.00	INR Four Thousand Only
10.05	G.I. Pipe	20.000	Nos	200.00	4000.00	INR Four Thousand Only
10.06	Chain Link Fencing	20.000	Nos	600.00	12000.00	INR Twelve Thousand Only
11.00	11. CHEMICAL ANALYSIS					
11.01	Ratio of Cement Mortar	10.000	Nos	900.00	9000.00	INR Nine Thousand Only
11.02	Ratio of Cement, Sand, Aggregate(Cement Concrete)	10.000	Nos	900.00	9000.00	INR Nine Thousand Only
11.03	Cement	20.000	Nos	1295.00	25900.00	INR Twenty Five Thousand Nine Hundred Only
11.04	Fly Ash	10.000	Nos	1325.00	13250.00	INR Thirteen Thousand Two Hundred & Fifty Only
11.05	Drinking Water	5.000	Nos	1200.00	6000.00	INR Six Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
11.06	Construction Water	5.000	Nos	1000.00	5000.00	INR Five Thousand Only
11.07	Horticulture Water	5.000	Nos	1190.00	5950.00	INR Five Thousand Nine Hundred & Fifty Only
11.08	Sulphate, Chloride & PH of Concrete	20.000	Nos	890.00	17800.00	INR Seventeen Thousand Eight Hundred Only
12.00	12. ADMIXTURE / WATER PROOFING COMPUND					
12.01	Admixture (Uniformity Test)	10.000	Nos	500.00	5000.00	INR Five Thousand Only
12.02	Admixture (Physical Test)	5.000	Nos	2500.00	12500.00	INR Twelve Thousand Five Hundred Only
12.03	Sealing Compound	5.000	Nos	1600.00	8000.00	INR Eight Thousand Only
13.00	13. Miscellaneous					
13.01	Complete testing of roughness level of road surface by roughometer. Per km per lane.	40.000	Nos	1250.00	50000.00	INR Fifty Thousand Only
13.02	Providing Trained Technician having qualification not less than ITI for testing at plant site for 8 hours during the operation of plant. Per day (8 hours)	300.000	Nos	500.00	150000.00	INR One Lakh Fifty Thousand Only
Total in Figures					4910357.00	INR Forty Nine Lakh Ten Thousand Three Hundred & Fifty Seven Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				