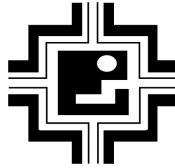


# **JAIPUR DEVELOPMENT AUTHORITY**



## **Tender Document**

**For**

**Name of work:- Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur.**

**Cost: Rs. 403.00 Lacs**

NIT No.11/2015-16

Due On: 14.08.2015

**Volume-I (Technical Bid)**

**Executive Engineer (PHE-III)  
Jaipur Development Authority  
Jaipur**

**JAIPUR DEVELOPMENT AUTHORITY**

Room No. 135, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302 004  
Telephone: +91-141-2569696 e.mail: [ee.phe3@jaipurjda.org](mailto:ee.phe3@jaipurjda.org)

**No:- JDA/EE/PHE-III/2015-16/D-495**

**Dated: 06.07.2015**

**NOTICE INVITING BID**

NIB No. : EE(PHE-III)/11/2015-16

Online Bids are invited up-to 6.00 PM of 10/08/2015 for “**Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur**”. Details may be seen in the Bidding Document at our office or the website of State Public Procurement Portal website [www.sppp.rajasthan.gov.in](http://www.sppp.rajasthan.gov.in), [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and [www.jaipurjda.org](http://www.jaipurjda.org).

To participate in the bid, bidder has to be:

1. Registered on JDA website [www.jaipurjda.org](http://www.jaipurjda.org) For participating in the Bid, the Bidder has to apply for the Bid and pay the Bidding 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](http://www.eproc.rajasthan.gov.in) for online e-Bid submission.

**(Sudhir Verma)**  
Executive Engineer (PHE-III)  
JDA, Jaipur

## JAIPUR DEVELOPMENT AUTHORITY

Room No. 135, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302 004  
Telephone: +91-141-2569696 e.mail: [ee.phe3@jaipurjda.org](mailto:ee.phe3@jaipurjda.org)

**Bid No:- JDA/EE/PHE-III/2015-16/11**

**Dated: 06.07.2015**

### NOTICE INVITING BID

NIB No. : EE(PHE-III)/11/2015-16

<b>Name &amp; Address of the Procuring Entity</b>	<ul style="list-style-type: none"> <li>➤ Name: Executive Engineer (PHE-III), Jaipur Development Authority</li> <li>➤ Address: 134, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302 004 (Rajasthan)</li> <li>➤ Email: <a href="mailto:ee.phe3@jaipurjda.org">ee.phe3@jaipurjda.org</a></li> </ul>
<b>Subject Matter of Procurement</b>	➤ <b>Rate Contract for Two Year for Providing Laying &amp; Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II &amp; III, JDA, Jaipur.</b>
<b>Bid Procedure</b>	➤ Potential Assessment Method tender (eg. Single-stage Two part (envelope) open competitive) eBid procedure at <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
<b>Bid Evaluation Criteria (Selection Method)</b>	➤ Potential Assessment Method L1 (eg. Least Cost Based Selection (LCBS)-L1)
<b>Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.</b>	➤ Websites: <a href="http://www.sppp.rajasthan.gov.in">www.sppp.rajasthan.gov.in</a> , <a href="http://www.eproc.rajasthan.gov.in">www.eproc.rajasthan.gov.in</a> , <a href="http://www.jaipurjda.org">www.jaipurjda.org</a>
<b>Website for online Bid application and payment *</b>	<ul style="list-style-type: none"> <li>➤ Website: <a href="http://www.jaipurjda.org">www.jaipurjda.org</a></li> <li>➤ 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. <ul style="list-style-type: none"> <li>○ Bidding document fee: Rs. 1000/- Rupees (One Thousand only)</li> <li>○ RISL Processing Fee: Rs. 1000/- (Rupees One Thousand only)</li> </ul> </li> <li>➤ Requisite Bid Security Deposit</li> </ul>
<b>Estimated Procurement Cost</b>	➤ INR 4,03,00,000/- (Rupees Four Crore Three Lacs only)
<b>Bid Security Deposit</b>	➤ Amount (INR) : 2% (Rs. 8,06,000/-) of Estimated Procurement Cost, 0.5% of S.S.I. of Rajasthan, 0.5% (Rs. 2,01,500/-) for Bidder registered as contractor in JDA, 1% for Sick Industries, other than S.S.I., whose cases are pending with Board of Industrial & Financial Reconstruction
<b>Pre-Bid</b>	➤ N/A
<b>Start/ End Date for Bid Applying, Online Payment and Bid Submission</b>	<ul style="list-style-type: none"> <li>➤ Start Date: 09/07/2015 at 9.30 AM onwards</li> <li>➤ End Date: 10/08/2015 at 6.00 PM</li> </ul>
<b>**Date/ Time/ Place of Technical Bid Opening</b>	<ul style="list-style-type: none"> <li>➤ 14/08/2015 at 11.00 AM</li> <li>➤ CCC TF 309, Third Floor, Customer Care Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302 004 (Rajasthan)</li> </ul>

<b>Date/ Time/ Place of Financial Bid Opening</b>	➤ Will be intimated later to the Technically qualified bidders
<b>Bid Validity</b>	➤ 120 days from the bid submission deadline
<b>Completion period of work</b>	➤ 24 Months
<b>Job No.</b>	➤ 475/2014-15
<p>*The amount is to be deposited online by bidder. In case the amount exceeds the online payment limit the payment may be made through RTGS/NEFT in ICICI BANK LTD Bank Account Number 675401700586 IFSC Code ICIC0006754. After successful payment, update the UTR/Instrument number on JDA Tender portal against the tender you want to participate. The amount deposited will be confirmed by JDA and will be updated online.</p>	
<p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. Bidder (authorised signatory) shall submit their offer on-line in Electronic formats both for technical and financial proposal.</li> <li>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.</li> <li>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 <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a> (bidders already registered on <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a> before 30-09-2011 must register again).</li> <li>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.</li> <li>5. Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.</li> <li>6. Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&amp;C, GoR on a regular basis. Bidders interested for training may contact e-Procurement Cell, DoIT&amp;C for booking the training slot. Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: <a href="mailto:eproc@rajasthan.gov.in">eproc@rajasthan.gov.in</a> Address : e-Procurement Cell, JDA, YojanaBhawan, Tilak Marg, C-Scheme, Jaipur</li> <li>7. The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.</li> <li>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.</li> <li>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.</li> <li>10. The provisions of RTPPA Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPP Act 2012 and Rules thereto, the later shall prevail.</li> </ol>	

**(Sudhir Verma)**  
 Executive Engineer (PHE-III)  
 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](http://www.jaipurjda.org).

#### **To participate in the bid, bidder has to be:**

1. Registered on JDA website [www.jaipurjda.org](http://www.jaipurjda.org) (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](http://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-4**. The bidder is required to fill the instrument numbers for various heads on e-Procurement portal [www.eproc.rajasthan.gov.in](http://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](http://www.jaipurjda.org) under [eServices](#)>>JDA Tender

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

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

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

# **Section A-1**

## **Instructions to Bidders**

## **TECHNICAL BID**

### **(POTENTIAL ASSESMENT)**

#### **SCHEDULE AND SPECIFICATIONS**

Name of work :- **Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur.**

- |                                     |  |
|-------------------------------------|--|
| 1. NIB No.                          | : - E.E.(PHE-III)/11/2015-16   |
| 2. Approximate cost                 | : - Rs. 403.00 Lacs  |
| 3. Cost of the tender documents     | : - Rs 1,000.00  |
| 4. Earnest Money                    | : - Rs. @ ½% Rs. 2,01,500.00<br>(For Contractors Enlisted in JDA, Jaipur)                        |
|                                     | : - Rs. @ 2 % Rs. 8,06,000.00<br>(For Contractors Enlisted in other Govt.Deptts. –“AA” category) |
| 5. Download of tender documents     | : - 09.07.2015 to 10.08.2015 (upto 6:00 PM)  |
| 6. Date & Time of upload of tenders | : - 10.08.2015 (upto 6:00 P.M.)  |
| 7. Date & Time of opening tenders   | : - 14.08.2015 at 11:00 A.M.   |
| 8. Completion period of work        | : - 24 Months.   |

#### **SCHEDULE 'A' : INFORMATION USEFUL FOR THE CONTRACTORS :**

The tenderer should see the site and fully understand the condition of the site before tendering and include all lead, lifts etc. **Percentage above/Below or equal to be quoted on the rates as given in the 'G' Schedule part-A and part-B.** The work shall be carried out in accordance with the Rajasthan PWD, PHED and JDA detailed specification and to the entire satisfaction of the Engineer-In charge of the work.

**The bid will be opened only of those bidders deposit proper bid security, processing fee, tender fee, VAT clearance certificate (Valid upto Six months back from the opening of Bid) and copy of registration of contractor in required category are found to be in order. The Bid security, tender fee will be accepted only in from of demand draft/banker cheque in the name of Secretary JDA, Jaipur.**

If any bidder quotes a rate below than the schedule “G” rates, i.e. rates below than at par, than the bidder has to deposit the difference amount i.e. amount between the rates as per at par and below, as work performance guarantee. This amount has to be deposited before the commencement of work and will be refunded after successful completion of work. Lowest bidder will be issued LOA (Letter of Acceptance) and within 7 days period he has to deposit difference amount in the from of B.G./FDR/NSC. The validity of these shall be for a period three months beyond the stipulated date of completion / actual date of completion. In case of non deposition of the same in specified period, the 2 % Bid security will be forfeited. In case work is not completed satisfactorily, the work performance security will be forfeited along with Bid security.



**SCHEDULE 'B' : LIST OF THE DRAWING TO BE SUPPLIED BY THE DEPARTMENT:**

The drawings may also be seen in the office of undersigned.

**SCHEDULE 'C' : LIST OF THE DRAWING TO BE SUPPLIED BY THE CONTRACTOR:**

List of the drawing to be supplied by the contractor NIL. But the contractor shall have to arrange at his own cost drawings required for the work after depositing necessary cost within JDA.

**SCHEDULE 'D' : TEST OF THE MATERIALS :**

The test of the material and workmanship shall be conducted by the JDA staff as necessary, The result of such tests should confirm to the standard laid down in the Indian standards and or the standards laid down in the detailed specification of the Public Works Deptt,. Proper quality control is required to be maintained by the contractor. Qualified personnel as required under the contractor enlistments rules duly approved by the Deptt. shall have to be engaged at site by the contractor. The deptt. reserves the right to engage such staff and recover the expenses from the contractor on such account in case of his failure to do so.

**SCHEDULE 'E' : SAMPLES OF THE MATERIALS :**

The samples of the material to be used by the contractor shall be deposited 15 days in advance with the Engineer In charge and be got approved by him before use.

**SCHEDULE 'F' : TIME OF COMPLETION :**

The work should start within Ten days of issue of work order and complete within **24 months**.

**SCHEDULE 'G' : ATTACHED SEPARATELY BASED ON JDA PHE BSR 2013, JAIPUR.**

**SCHEDULE 'H' : SPECIAL CONDITION.**

**SCHEDULE 'I' : SPECIAL TERMS & CONDITION FOR Sewer line work : ATTACHED SEPARATELY.**

**Specifications and Scope of Work**

**Annexure A : Compliance with the code of Integrity and No Conflict of Interest**

**Annexure B : Declaration by the Bidder regarding Qualifications**

**Annexure C : Grievance Redressal during Procurement Process**

**Annexure D : Additional Conditions of Contract**

SIGNATURE OF CONTRACTOR

EXECUTIVE ENGINEER (PHE-III)

Jaipur Development Authority,

with full address & Mobile No. :

Jaipur

# JAIPUR DEVELOPMENT AUTHORITY JAIPUR

## **SPECIAL CONDITION OF THE CONTRACT FOR POTENTIAL ASSESSMENT OF CONTRACTORS**

**Name of work : Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur.**

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.

### **1. Procedure:**

Procedure for POTENTIAL ASSESSMENT would be as follow:

- (a) Tender documents shall be submitted on line e-procurement website <http://www.eproc.rajasthan.gov.in> with their digital Signature. The Bid is to be submitted in 3 Covers which shall comprise of –

Cover-1 VAT clearance certificate and contractors Registration Certificate, complete Tender Document along with addendums/ amendments issued and uploaded by the Department on the above website, Tender form and schedules for pre-qualification Bid and scanned copies of supporting Documents as required for qualification as detailed herein after.

Cover-2 Financial offer (BOQ).

- (b) The technical bid will be processed online only of those bidders whose proper Earnest money, Tender fee, e-procurement fee, VAT clearance certificate (Valid up to Six months back from the opening of Technical Bid) and copy of registration of contractor in required category are found to be in order. The earnest money, bid document fee and RISL processing fee shall be paid online only and shall have to be deposited on or before 10.08.2015 by 6.00 PM.
- (c) The Technical Bid would be opened on the date 14.08.2015 at 11:00 AM
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the POTENTIAL ASSESSMENT criteria.

**Note :-**

- (i) **If VAT 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 VAT.**

### **2. Criteria:**

Criteria for POTENTIAL ASSESSMENT METHOD would be as follows:-

- (a) The bidder should have executed following quantities of work in last five financial years. However the bidder may opt current year in the said financial assessment period.

S.No.	Item	Quantity
1	Major Item of Schedule - G	1/3 <sup>rd</sup> (Major Item of Schedule – G)
Sewer line work		
a	Providing Laying & Jointing of Sewer Line Size of 200 mm & above	8167 RM
b	Construction of Precast RCC Manhole	412 Nos.
c	110 mm dia uPVC SWR pipes	7184 RM

**Note :-**

- (i) **The Bidder should enclose the certificate having quantities Financial year wise otherwise the certificate will not be considered.**
- (ii) **Quantities of all the items mentioned in criteria 2 (a) should be executed in last five financial years.**

(iii) Certificate issued by Govt. of India, State Govt., Union Territory, Govt. Undertakings, Autonomous Bodies shall only be considered.

(b) The bidder should have completed at least one similar nature work in last Five financial year (including current year, if opted by the bidder) of value not less than 33 % of the Estimated Cost of the work (bid cost) updated to present price level)

**Note :-**

(i) The starting & completion date of the work is to be in between above said financial years. If no then maximum work (70%) is to be completed in above said financial years.

(ii) If bidder is submitted certificate having different components / nature of work then proper completion certificate of required similar nature component is to be enclosed.

(c) The bidder should have achieved an annual financial turnover of at least 60 % of the Estimated Cost of the work (bid cost) in any one of last Three financial years (including current year, if opted by the bidder)

**Note :-**

(i) The bidder should enclose certificate of Turn Over from Chartered Accountant for last five financial year & audited balance sheet of the year which is considered by the bidder in criteria 2 (c).

(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.

(d) The bidder should give Affidavit to deploy the machinery and equipment as specified in Schedule – III, for the execution of this work.

(e) Bid Capacity: Bidders who meet the minimum qualification criteria will be qualified only if available bid capacity is equal to or more than the total Bid value.

The available bid capacity will be calculated as under:

**Bid Capacity = (A x N x 3 – B)**

Where A = Maximum value of civil engineering work executed in any one year during the last 5 financial years (updated to present Price level) taking in to account the completed as well as works in progress. However, the bidder may opt current year in the five year assessment period

N = Number of year prescribed for completion of the work for which bids

are invited. In present case value of N shall be 2.00

B = Value, at present price level of existing commitments and on going works to be executed during 'N' period (period prescribed for completion of the works for which the bids are invited)

**Note:-**

(i) Certificate from Chartered Accountant should be enclosed by bidder clearly indicated maximum value of Civil Engineering Work in one Financial Year.

(f) Litigation History:- Bidder should provide an accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last five years. The maximum value ( updated at the present price level) of disputed amount claimed in the litigation / arbitration resulting from contracts executed in last five years shall be deducted from the calculated Bid Capacity of the bidder. The details shall be furnished in Schedule VI.

**Note :-**

(i) The present price level for turnover, cost of completed work & disputed amount of similar nature, the previous years value shall be given weight age 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

### 3. Documentation :

The bidder should furnish the following documents along with the technical bid:

- (a) Information regarding financial resources and capability in Schedule –I.
- (b) Information regarding works executed in the last five years in Schedule–II
- (c) Certificates from the concerned Engineer–In–Charge in support and verification of the information furnished in Schedule–II
- (d) Affidavit regarding machinery and equipment required for deployment, as detailed in scheduled – III.
- (e) Information regarding details of maximum value of civil engineering works executed in any one year during the last five years taking into account the completed as well as works in progress in schedule – IV.

- (f) Information regarding existing commitments and ongoing works to be completed in schedule – V.
- (g) Information regarding details of litigation or arbitration contracts to be furnished in schedule – VI.
- (h) Calculation of Bid capacity in schedule – VII.
- (i) Affidavit as per Annexure I.

**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 I to VII 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.

**4. Rejection of bids**

The department reserves the rights 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 clauses 3 ( a ) to 3 ( i ) or is not in accordance with procedure specified in Para 1, or is not accompanied with earnest money & VAT clearance Certificate and registration of contractor in required category 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) If all the copies enclosed in support or affidavit is not duly self attested by the bidder, the bid is to be rejected.

Executive Engineer (PHE-III)  
JDA, Jaipur

## **TENDER FOR WORKS**

I/We hereby tender for the execution for the Jaipur Development Authority, Jaipur of the work specified in the underwritten memorandum within the time specified in such memorandum at the rates, (in figure) .....% (as well as in words) ..... Percent below/above the amount, entered in the schedule G in all respects in accordance with the specifications, designs, drawings and instructions in writing referred to in Rule I in all respects in accordance with such conditions so far as applicable. I/We have visited the site of work and am/are fully aware of all the difficulties and conditions likely to affect carrying out the work, I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and quarries/kilns nature and the extent of ground, working conditions including stacking, of materials, installation of tools & plant, conditions effecting accommodation and movement of labour etc. required for the satisfactory execution of contract.

### **Memorandum**

- (a) **General description of work..-** :  
(b) **Estimated cost** : **Rs. 403.00 Lacs**  
(c) **Earnest money** : **Rs. 8,06,000.00** for enlisted contractors outside JDA and  
: **Rs. 2,01,500.00 @ 1/2% within JDA enlistment.**

(d) **Security Deposit :**

(i) "The security deposit @ 10% of the gross amount of the running bill shall be deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. However, the amount of security deposit deducted from running bills shall not be converted into any mode of securities like bank guarantee. FDR etc. The earned money deposited shall however be adjusted while deducting security deposit from first running bill of the contractor. There will be no maximum limit of security deposit.

However, a contractor may elect to deposit of full amount of 10% security deposit in the shape of bank guarantee or any acceptable form of security before or at the time of executing agreement. In that case earnest money may be refunded only after deposition of full 10% as above. However, in case during execution cost of works exceeds as shown at the time of depositing 10% as above, balance security deposit shall be deducted from the Running Account Bills."

(ii) Bank Guarantee shall in all cases be payable at the headquarter of the Division or the nearest District Headquarters.

- (e) Time allowed for the completion of work (to be reckoned from the 10th day after the date of written order to commence the work) in 24 months. Should this tender be accepted in whole or in Part, I/We hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed here to and of the Notice Inviting Tender, or in default thereof, to forfeit and pay to the Governor of Rajasthan or his successors in office, the sum of money mentioned in the said conditions.

### **Validity of rates 120 days.**

A sum of Rs. .... is forwarded herewith in the form of Cash, Bank Draft, Bankers Cheque as Earnest Money. This amount of earnest money shall absolutely be forfeited to the Governor of Rajasthan or his successor in office without prejudice to any other right or remedies of Governor of Rajasthan or his successor in his office, should I/We fail to commence the work specified in the above memorandum.

Signature of Witness  
Witness's address & Occupation

Signature of Contractor  
Address of Contractor

Date:

The above tender is hereby accepted by me on behalf of the Governor of Rajasthan

Date:

Executive Engineer PHE-III,

## **Section A-2**

### **General Conditions of Contract**

(Appendix XI of PWF & AR. Govt. of Rajasthan effective  
up to date shall be applicable)

## SPECIAL CONDITIONS

1. If there is any typographical error or otherwise in the 'G' Schedule the rates given in the relevant BSR on which schedule 'G' has been prepared, shall prevail.
2. The contractor shall follow the contractor labour regulation and abolition Act 1970 & Rule 1971.
3. The JDA shall have right to cause on audit and technical examination of the work and the final bills of the contractor 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 contractor under the contract or any work claimed by him to have been done under this contract and found not to have been executed the contractor 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. 8 or any other manner legally permissible and if it is found that the contractor was paid less than 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 by the JDA to the contractor.
4. The contractor shall not work after the sunset and before sunrise without specific permission of the authority Engineer.
5. Whenever any claim against the contractor for the payment of a sum of money arises out of 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 contractor. In the event of the security being insufficient or if no security has been taken from the contractor then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time there contract with the JDA should this sum be sufficient to recover the full amount recoverable, the contractor 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.
6. The rate quoted by the contractor shall remain valid for a period of 120 days from the date of opening of the tenders.
7. By submission of this tender the contractor agree to abide with all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
8. No conditions are to be added by the contractor and conditional tender is liable to be rejected.
9. All transaction in the execution of this work and this tender will be liable to sale-tax vide section 2(B) read with sub clause (4) Sale-tax Rule, 1954.
10. If any Bid withdraws his Bid prior to expiry of said validity period given at S.No. 6 or mutually extended prior or makes modifications in the rates, terms and conditions of the tender 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 and fails to furnish performance guarantee 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 contractor, who having submitted a Bid does not execute the agreement or start the work or does not complete the work and the work has to be put to re-bidding, he shall stand debarred from participating in bidding in JDA for Six Months in addition to forfeiture of Earnest Money / Security Deposit /Performance Guarantee and other action under agreement
11. Rules regarding enlistment of contractors provide that work upto five times limit for which they are qualified for tendering can be allotted to them. Therefore, before tender the contractors will keep this in mind, and submit the details of work. Bids with incomplete or incorrect information are liable to be rejected.
12. Any material not conforming to the specifications collected at site shall have to be removed by the contractor within a period of 3 days of the instructions, issued by the Engineer-Incharge in writing. Failing which, such material shall be removed by the Engineer-Incharge at risk and the contractor after expiry of 3 days period.
13. The material collected at site and paid provisionally shall remain under the watch and ward of the contractor till it is consumed, fully on the work.
14. The rates provided in Bid documents are inclusive of all Taxes, royalty.
15. No extra lead of earth/material shall be paid over and above as specified in 'G' schedule. Source/borrow pit area for earth shall have to be arranged by the Contractor at his own cost.
16. Undersigned has full right to reject any or all Bids without given any reasons.
17. Mortar of Masonry work and lean concrete will be permitted mixer with hopper.
18. 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."
19. The Bidder are required to submit copy of their enlistment as contractor.
20. Conditions of RPWA-100 will be mandatory & acceptable to the contractor.
21. 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.
22. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 will be applicable. If there is any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and RULES, 2013 shall be applicable.

Signature of Contractor  
with full address & Mobile No.

Executive Engineer (PHE-III)  
JDA, Jaipur

## **Section A-3**

# **Special Conditions of Contract**



## SPECIAL CONDITIONS OF THE CONTRACT

### 1 PROVISION FOR NOMINAL REINFORCEMENT IN PRE-CAST RINGS

The Contractor shall provide steel reinforcement as per design requirement in each Pre-Cast M-40 Grade Circular Rings, along with nominal **reinforcement @ 0.12%** of gross cross sectional area in both the direction i.e. vertical bar & circular rings) subject to a minimum of nominal reinforcement as per Code of *"Practice of Plain and Reinforced Concrete" IS:456 2000*. **No extra payment shall be made to him/firm on this part. The Contractor should therefore take provisions accordingly.**

#### SETTING OUT

2. The contractor(s) shall set out the whole of the work in conjunction with an officer to be deputed by the Engineer-in-charge and during the progress of the work to amend on the requisition of the Engineer-in-charge any errors which may arise therein and provide all the necessary Labour materials and equipments for so doing. The contractor has to provide all tools, plant, machinery, Labour and materials which may be necessary and required for the work. All materials and workmanship shall conform to the relevant specifications mentioned in the tender documents.
3. The contractor shall carryout the detailed topographic survey (level survey) with in the site and prepare the pre-commencement maps for approval of the Engineer-in-charge. Based on the approved pre-commencement maps showing spot levels of road crossing, the contractor will prepare the necessary working drawings and L-sections for the purpose of execution of work.

#### Public Awareness / Information Display

4. The contractor shall, at his own cost, arrange to provide, erect and maintain necessary display boards/ flags/banners etc. at selection points of project site giving such information as considered necessary for public awareness/ information/ safety as directed by the Engineer-in-charge.
5. Contractor shall provide sufficient number of boards at site of work indicating **"JDA AT WORK"** at his own cost as required by Engineer-in-charge.

#### Site office for Engineer-in-charge and other supervisory staff

6. The contractor shall arrange to provide office at his own cost with two tables, five chairs, two steel almirah, display board, etc., fully furnished office accommodation within 15 days from the date of commencement of work as per requirements/ directions of the Engineer-in-charge including maintenance of the same.

#### Field Laboratory

7. Within 15 (fifteen days) from the date of commencement of work, the contractor shall arrange to provide at his own cost a fully furnished and adequately equipped field laboratory.
8. The calibration of the laboratory equipment and instrument shall at the initial stages be certified by agencies approved by the Engineer-in-charge. Laboratory equipment shall be properly maintained and calibrated throughout the period of the contract by the
9. Contractor at his own expense. The contractor shall notify the Engineer-in-charge sufficiently in advance prior to conducting any tests for materials at work. The Engineer-in-charge will also inspect the laboratory and the contractor shall provide adequate facilities to the Engineer-in-charge for his independent verification of the accuracy and adequacy of the facilities.

#### Requirement of Land

10. Land for establishment of site office, field laboratory etc. shall be arranged by the contractor at his own cost.

#### Transport of material is contractor's responsibility.

11. It shall be mandatory on the part of the contractor to arrange Crane of suitable size for the transportation, loading, unloading, and fixing in position of the Pre-cast manhole elements. No manual labour for such purpose shall be engaged.
12. The tested material will be transported to site by the contractor safely. If any material or pipe/pre-cast elements got damaged during transportation, loading, unloading, stacking and lowering in the trench the same will be rejected and no payment shall be made.
13. The surplus earth and damaged materials will be immediately removed from the site of work and dumped as per instruction of Engineer-in-charge.
14. The material collected at site and paid provisionally shall remain under the watch and ward of the contractor till it is consumed fully on the work.
15. Any material not conforming to the specifications collected at site shall have to be removed by the contractor within a period of 3 days of the instructions, issued by the Engineer-In-charge in writing. failing which, such material shall be removed by the Engineer-In-charge at risk and the contractor after expiry of 3 days period.

#### **Inspection of work/ Materials.**

16. The testing of work /samples shall be carried out by Engineer-in-charge/authorized representative or by Third party inspection as selected and directed by the Engineer-in-charge. The test shall be carried out as per relevant I.S. Specification at manufacture's site before transportation to site. Inspection cost/testing charges if any, shall be born by the contractor only. Inspection shall be carried out for various items for SW pipes/RCC pipes, PVC (SWR) pipes, Cast iron ring and frame, manhole cover Ferro-cement footsteps and Pre-cast manhole elements/components etc.

#### **Sewer laying work and construction of manholes.**

17. The JDA Site Engineer shall provide the reduced level value of Bench Marks and invert levels in reference to the Bench Marks while starting the work. The contractor/ Firm or company's technical staff will transfer levels in the trench to lay the sewer line at required gradient with standard level instruments and , boning rods, side rails. The Contractor/Firm or company will be fully responsible for any error while transferring levels from Bench Marks to the trench. While doing so, if any, line is laid wrongly and/or is not as per desired gradient it shall be the responsibility of contractor to get the line re-laid at his own cost
18. The contractor shall provide at the site all material he shall be required to use for timbering/stuttering shoring excavation of trenches and which he shall bring to the site, prior to start of excavation for approval of the Engineer-in-charge.
19. RR stone/ Pre-cast manhole chambers shall be constructed/assembled simultaneously with the laying of sewers as per drawing and detailed specification of PWD (B&R) Rajasthan.
20. Concreting work should be done in the presence of an Engineer-in-charge not below the rank of Site Engineer of the JDA after checking of reinforcement by the Sector Engineer. After taking layout, the contractor shall submit daily Schedule of work to the Engineer-in-charge 15 days in advance.
21. Only design mix concrete of grade M-40 shall be used for the precast manhole elements.
22. The contractor shall keep the trenches open between two consecutive manholes while laying the sewer line. Pipes shall be lowered in the trenches and cured minimum for three days, trench shall be refilled with excavated earth as per specification after the inspection of Sector / Site Engineer.
23. No extra payment will be made to the contractor on account of clearance of soakage well/septic falling in the alignment of the sewer line. The sewer line shall be tested at contractor's cost as per I.S. code no. 783-1985 and departmental specifications for water tightness, straightness and gradient by the Engineer In charge. If any leakage is found during testing the same will be replaced by the contractor at his own cost.
24. Two percent amount of each running bill shall be with held on account of testing of sewer system, which will be released only after successful testing. The contractor will be fully responsible for structural safety stability and water tightness of the sewer line and associated work.

## Materials

25. Cement and steel shall not be supplied by the department.
26. Steel, when arranged by the contractor shall produce a test certificate for the whole lot as per the IS Code provisions from an authorized laboratory approved by the Engineer-in-charge.
27. Water for construction and testing purpose shall have to be arranged by the contractor at his own cost. In case it is supplied by the JDA, charges @ 1% of total value of item of construction work shall be taken and recovered from each running bill.

## Design and Drawings.

28. JDA shall not be responsible for any error, in accuracy or permission of any kind in JDA's requirements as originally included in the contract. Any data or information received by the Contractor, from JDA or otherwise, shall not relieve the Contractor from his responsibility for the design and execution and structural stability of the per-cast elements.
29. The drawings of the pre-cast eccentric conical piece and circular rings is based on the departmental designs. Contractor may study the design, drawings and specifications carefully and if felt necessary, may increase the sectional thickness, reinforcement or the grade of concrete suitably. No extra payment shall be made to the contractor over the rates quoted by the contractor for any modifications / changes proposed by him. The contractor shall be fully responsible for the structural safety of the precast manhole elements/components.

## As Built Drawings.

30. The submission of the as-built drawings of the sewer work is the precondition for the final payment. The final drawings shall be submitted in one reproducible set and 3 copies on linen bound in an album of an approved size. The contractor shall submit all the completion drawings **including L-Section and point file** and approved design calculations on CD ROM / DVD in two copies with proper directory structure. The scale of drawing and the size of drawing shall be as per the direction of the Engineer in Charge.

## Safety aspects associated with the work.

31. **Safety And Accident Prevention Officer:** Due precautions shall be taken by the Contractor, at his own cost, to ensure the safety and protection against accidents of all staff and Labour engaged on the works, local residents in the vicinity of the works, and the public traveling through the works. The contractor shall deploy at least one officer from his staff, qualified to promote and maintain safe working practices. This/these officer(s) shall has/have authority to issue instructions and shall take protective measures to prevent accidents, including but not limited to the establishment of safe working practices and the training of staff and labor in their implementation. The contractor shall furnish to the department the name(s) of such officer(s) before the start of the work.
32. The contractor/firm or company while executing the work will adopt all safety measures at his cost to safeguard from any loss of life and damage of public and private property. If any loss and damage is occurred, they will pay the full compensation from their own pocket to the concern. All the consequence (legal and or financial) will be borne by the contractor only and JDA will not be responsible in any way.
33. The contractor shall not work before sunrise and after the sunset.
34. The contractor/firm or company will take utmost care to safeguard the water mains, Electric and Telephone cable existing surface drains water connections etc., while executing the work. Any damages/rectification shall be borne by the contractor only .
35. The contractor/firm/company is bound to get the workmen insured against accident from the Insurance Company at his own cost.
36. The contractor will pay compensation to the house owner or to the owner of any adjoining property or any other works for the damaged sustained on account of this work while in progress or complete from his own pocket.

37. Electric and water connections, if needed, shall be arranged by the contractor himself at his own cost.
38. Contractor shall be the sole custodian of the men and material at work and will be fully responsible for any loss of life or otherwise occurred during the execution of the works

#### **OMMISSIONS AND CORRECTIONS**

39. If there is any typographical error or otherwise in the 'G' Schedule. The nomenclature and the rates as given in the relevant PWD BSR 2012 and JDA approved items/rates on which schedule 'G' is based, shall prevail.

**The above conditions may be read very carefully and adhered strictly.**

**Signature of Contractor**

**Executive Engineer (PHE-III)**

**J.D.A. Jaipur**

## **Section A-4**

# **Specifications and Scope of Work**

## **SPECIFICATION AND SCOPE OF WORK**

### **1. The site is located at various locations under Jurisdiction of PHE Zone-II & III, JDA, Jaipur.**

- a) Setting out of works and carrying out confirmatory survey.
- b) Submission of working design and drawings and approval of same by the department.
- c) Providing, laying and jointing of 200 mm diameter SW and 200 mm Dia RCC NP-4 pipeline.
- d) Construction of new manholes with RCC Pre Cast Conical piece and RCC Pre Cast Rings as per enclosed drawings and specifications.
- e) Utility shifting.
- f) Restoration of Roads.
- g) Inspection of material at works.
- h) Removal of defects in laying and jointing of all sewers, fittings and manholes after testing and during defect notice periods.
- i) The drawings enclosed in **Section-A6**, appended herewith contains a plan of the area, The Schedule 'G' in volume II contains item wise classification of underground strata likely to be excavated but the same is not guaranteed and excavation work may have to be carried out in different strata other than given in schedule 'G'.
- j) Submission of as built drawings.
- k) Any other associated work as required by Engineer-in-charge.
- l) Prior to vacating the site, the contractor shall be responsible for and bear any costs of reinstating the site to a condition at least equal to that in which it was handed over to the contractor.

**The contractor is advised to visit site of work before quoting his rate and frame his own opinion about the live conditions prevailing at site.**

### **2. DESCRIPTION OF WORK.**

- a) The complete work will be consisting of the following main items as specified in detailed schedule and drawings as per the tender document enclosed herewith.
- b) Excavation of trenches, refilling and removal or surplus earth for laying pipes and construction of appurtenances like manhole and vent shaft along with requisite safety measures.
- c) Providing, laying and Jointing 200mm dia SW and 200 mm dia RCC NP - 4 pipes at required gradient and testing of joints and associated works.
- d) Providing and laying suitable bedding of cement concrete for pipes.
- e) Construction of required size RCC Pre Cast Manholes along with providing and fixing Ferro cement Manhole covers, C.I. frames and Ferro cement foot steps of required size, duty and weight as per drawing.
- f) Making connection to existing Sewers by dismantling wall and concrete channel and its related repairs.
- g) The drawings enclosed in section A-5 appended herewith contains a plan of the area, The Schedule -G in volume II contains item wise classification of underground strata likely to be excavated but the same is not guaranteed and excavation work may have to be carried out in different strata other than given in schedule-G.
- h) The contractor is advised to visit site of work before quoting his rate and frame his own opinion about the live conditions prevailing at site.
- i) Any other associated work as required by Engineer-in-charge.

#### **2.1 DRAWING TO BE SUPPLIED BY CONTRACTOR**

The following drawings are required to be supplied by the tenderer when required by the Engineer-in-charge and work should commensurate only after obtaining his approval in writing.

- a) Drawing of measuring boxes for cement, sand and other construction material supplied at site.
- b) Drawing of Ferro-cement manhole covers with cast iron ring, frame and Ferro-cement steps supplied at site.
- c) **AS-BUILT DRAWINGS:-**The submission of the as-built drawings for the equipment is the precondition for the final payment. The final drawings shall be submitted in one reproducible set and 3 copies on linen bound in an album of an approved size. The contractor shall submit all the **completion drawings, including L- section man hole to man hole with point file and approved design calculations on CD ROM / DVD in two copies with proper directory structure.** The scale of drawing and the size of drawing shall be as per the direction of the Engineer in Charge. Any other drawings related to works included in the contract.

#### **2.2 DRAWINGS TO BE SUPPLIED BY THE DEPARTMENT.**

The drawings of the various manhole elements (Ferro-cement manhole cover, Ferro cement footsteps, Cast iron rim and frame), drawings showing the trench width for various invert depth of the corresponding diameters and the map/plan of the area showing the proposed lateral sewer network is enclosed in the section A-5 of the tender document shall be supplied by the department.

#### **2.3 WORKING DRAWING:**

The working drawings showing plan and positions of proposed sewers are available for inspection at the office of the undersigned. The interested may inspect these drawings during office Hrs. on any working day.

## 2.4 GENERAL DESIGN OBLIGATIONS

- a) The Contractor shall be deemed to have scrutinized, prior to submission of bid, design criteria, calculations, and drawing as per the JDA requirements.
- b) JDA shall not be responsible for any error, in accuracy or permission of any kind in JDA's requirements as originally included in the contract. Any data or information received by the Contractor, from JDA or otherwise, shall not relieve the Contractor from his responsibility for the design and execution of the works.

## 2.5 SUBMISSION PROCEDURE FOR DETAILED DESIGN AND EXECUTION DRAWINGS:

- a). The contractor shall carry out the preparatory works such as to prepare the plans, L-Section, designs, working drawings etc.
- b). The drawings shall be sufficient in details and the scale has to be chosen accordingly in coordination with the Engineer in charge.
- c). If required, the detailed design and the execution drawings shall be submitted only after verification by an institute or agency approved by the Engineer In charge or any authorized representative of the JDA.

## 3. SAMPLES OF MATERIAL

- 3.1 The Contractor shall submit samples of the following items, to the Engineer In charge for carrying out tests as specified under Schedule 'D' in specified quantities as mentioned against each item before the commencement of work or within 15 days of issue of order, whichever ever accrues earlier ' and shall obtain his approval before using any such material at site free of cost by the contractor.

- |                                       |           |
|---------------------------------------|-----------|
| a) Rubble stone / Brick (First Class) | 10 Nos.   |
| b) Fine Aggregate (Bajari)            | 0.05 Cum. |
| c) Coarse Aggregate:                  |           |
| Size 20mm and below                   | 0.05 Cum  |
| d) Steel (for each size of bar)       | 0.05 Kg.  |
| e) Spun Yarn                          | 0.05 Kg.  |
| f) Cement                             | One bag.  |
| g) Bitumen Paint.                     | 0.05 kg.  |

The following samples shall be submitted from each lot of supply as per I.S.S. for approval of Engineer In charge as to the quality of material. These samples shall be returned to the Contractor after completion of work.

- |                                    |       |
|------------------------------------|-------|
| a) S.W. Pipes ISI marked.          | 5 Nos |
| b) RCC NP-2/NP-4Pipes ISI marked   | 5 Nos |
| c) Ferro cement steps for manholes | 1 No  |
| d) Ferro cement manhole cover      | 1 No  |
| e) Pre-cast RCC manhole element    | 1 No. |

- 3.3 Any other sample of material that may be required by the Engineer In charge from time to time.

- 3.4 All the above samples are to be delivered in suitable packing at the office of the Executive-Engineer-In – charge or as desired by the engineer-in-charge

## 4. TESTS OF MATERIALS

The Engineer In charge or his authorized representative will carry out tests as and when considered necessary for the quantity and quality of work done and for the material used at the work. The contractor, unless otherwise specifically mention to do so, shall provide all facilities and arrangements to undertake those tests.

- 4.1 The contractor shall provide all necessary facilities to undertake tests for a lot of material supplied at site. All the testing charges for the test being conducted on construction material such as SW pipes, concrete, manhole cover, cement, fine aggregate, coarse aggregate etc at other/departmental Testing laboratories shall be borne by the contractor

- 4.2 The testing of all the building material shall be conducted as per relevant Indian Standard specification. If relevant Indian standard specifications are not available for a particular item, the testing for quality of material shall be done in accordance with detailed specification of PWD (B.S.R.) Rajasthan, however it is not possible for the contractor to take suitable arrangements for testing of sample the same shall be taken to the laboratory authorized by the Executive Engineer-in-charge. The contractor shall get the quality of material obtained from each source approved from the Engineer In charge. In case the source of supply of building material is changed at subsequent date sample as required above shall be got approved before using the material.

- 4.3 The samples submitted by the contractor required under schedule –G, Volume -II shall invariably be supplemented with the manufacturer's test certificate for approval of the Executive Engineer In charge. The Executive Engineer, in charge may ask for further testing of material before, approval and subsequent use at

site. The contractor in such case shall supply required quantity of samples as desired by Executive Engineer, in charge. The samples as obtained shall be sent to authorized laboratory for testing. In case the material is not found to be as per specification the whole lot of supply shall be rejected.

The relevant standards for complying testing and specification for each material are as given below:

1. Stone ware pipe : IS 651-1983 (As amended upto date)
2. RCC pipes: IS 458 As amended upto date)
3. Ferro cement circular manhole cover and frames as per (Departmental specifications and drawing).
4. Ferro cement foot steps for manholes.
5. Precast manhole elements (Departmental specifications and drawing).

**5. LIST OF MATERIAL TO BE SUPPLIED BY THE DEPARTMENT**

Nil.

**6. DETAILED SPECIFICATIONS**

The detailed specifications of the work to be executed shall be as per the provision of detailed specification PWD (B.S.R.) Rajasthan and the relevant Indian standard specifications unless otherwise mentioned above in the specification for work explained under scope of work. Wherever a reference to the I.S. code mentioned herein appears, it shall be taken as reference to the latest edition of the standard. The complete scope and detailed specification of work is as detailed herein after, item wise given in Schedule 'G' and drawings given in, volume-II and section A-5 of bid document respectively.

**6.1 TRANSFER OF LEVELS AND ESTABLISHMENT OF GRADIENTS:**

- a) The contractor should furnish his work program, construction methodology within 15 days after the letter of Notice to proceed for work and prior to start of the construction activities at site.
- b) To carry out the leveling survey of whole area or part of the area as a confirmatory survey as per Engineer-in-charges instructions and confirm the ground levels, chain age, road network, etc. with the data available in design reports and got it approved from the Engineer-in-charge prior to commencement of the work.
- c) The transfer of level at ground from the specific bench mark (to be given with in 100 meter from the starting point of line) shall be done by contractor. The grade line shall be done with the help of sight rail and boning rods. The necessary equipment and manpower required shall be arranged by contractor for transfer of levels.

**6.2 EXCAVATION AND REFILLING WORKS**

- a) The excavation and refilling work shall be done in accordance with the detailed specification PWD (B.S.R.) Rajasthan and as per drawing appended in section A-5.
- b) The provision of IS 3764/1966 safety code for excavation work and is 4091-1967 safety code for blasting and related drilling operation shall be strictly met with at each site of work. The work shall be stopped in case these requirements are not met with.
- c) Excavation work for different size of sewers, manholes, as per working drawings in different soils / described item wise in schedule 'G' shall be carried out in the manner specified here in drawing No.1.
- d) Before excavating the trench the alignment of sewer line shall be approved by the Engineer.
- e) Before carrying out the excavation work the trial pits shall be taken along the proposed sewer line alignment by the contractor after mutual agreement and approval of the Engineer in advance of the excavations for the purpose of satisfying himself as to the location of underground obstructions or conditions. The contractor shall proceed with caution, in any excavation and shall use every means to determine the exact location of underground structures, pipelines, conduits etc, and prior to excavation in the immediate vicinity thereof. The contractor shall be solely responsible for the cost of protections or repair or replacement of any structure, pipeline, conduit etc, above or below ground which may be broken or otherwise damaged by his operations.
- f) The trench shall be shored and timbered wherever necessary and specified. The blasting and dewatering work shall be carried out in the manner specified and all material and T & P shall be arranged by the contractor at his own cost. All hard and soft patches shall be treated in the manner specified after obtaining approval from Engineer-In-charge. Unless the description of items for excavation specified so, separate measurement shall not be taken for these time.
- g) The lighting, barricading, guarding of the trenches and the provision of watchman shall be done by the contractor at his cost.
- h) The barricading shall in no case be removed until the trench is excavated, the pipes are laid and Engineer-in-charge gives permission to proceed with the backfilling
- i) Contractor shall not be paid any additional compensation for excess excavation over what is specified as well as for any remedial measures that are specified.
- j) The excess excavated material shall be carried away from the site of works as specified, failing which in view of public safety and traffic convenience, Engineer-in-charge may carry out the work by any other agency at Contractors risk and cost.

**6.3 UNDER BED AND BEDDING WORK BELOW PIPES.**

- a) The type of bedding as per specification of G schedule, working drawing along with under bed, where ever, required shall be provided in stages and manners specified in drawings and as per directions of engineer-in-



charge. The complete material placement in specified dimensions and specified levels, connection etc. is included in scope of work.

- b) The bedding shall preferably be provided continuously between consecutive manholes. In case, it is not possible to do so, the vertical joints in bedding material shall be provided at outer edge of socket. No horizontal joints shall be permitted in concrete cradle.

#### **6.4 SUPPLYING, LAYING, JOINTING AND TESTING OF PIPES:**

- a) The Stone ware pipe (socket end) of specified internal diameter shall be supplied in accordance with I.S. 651-1992 specification for "Salt, glazed stone ware pipes and fittings". Stone ware pipes with spigot and socket ends of size and class as per working drawings, specifications given herein after and in standard length specified therein shall be supplied at site of work. No extra measurements will be taken for increase in number of joints on account of shorter lengths of pipe use and also for cutting of pipes wherever required as per site conditions. Any balance pipe lengths from a cut or rejected pipe lengths including their cost of transportation to and from the site will not be measured separately.
- b) The RCC S&S NP-4 pipes ISI Marked shall be supplied conforming to IS:458:1988 (Amended up to date) with anticorrosive bitumenastic paint of approved brand two or more coats (make Shalimar or equivalent ) with ISI marked rubber ring/gasket lubricant etc.
- c) The laying and jointing of pipes shall be done in accordance with I.S. 4127-1967 "Code of practice of laying glazed stone ware pipes".
- d) The laying and jointing of RCC S&S pipes NP-4 shall be done in accordance with IS: 783: 1995 (Amended up to date) with hydraulic testing of sewer line.
- e) All pipes supplied shall be free from cracks, chipped ends and irregular angular space between pipes and socket /spigot end and should have smooth interior finish. All pipes shall be subjected to sound test by a suitable wooden hammer and ensured against invisible cracks. Any defective pipe, even after lowering into the trench shall be rejected and shall be immediately removed from site. The storage of pipes at site shall be in accordance with the provisions of ISS 4032-1977.
- f) The pipe shall be lifted towards alignment of sewer line covered and laid in the trenches, in the manner specified with equipments like chain-pulley etc. all arrange by the contractor. Any pipe damaged during above operation shall be removed and replaced by the contractor at his cost. Any material falling into the trench while lowering or otherwise shall be removed and trenches shall be kept clear all the time.
- g) The pipes fittings and other construction material shall be placed along the alignment in advance with utmost care during transit so that they are not damaged. Any damage due to these reasons shall be Contractor's liability.
- h) Laying of the pipe prior to install the pipe bedding in the pipe trench, the Trench Bottom Level (TBL) shall be checked to confirm the slope and relative depth with respect to design level and got it approved from the Engineer. At first stage bedding shall be done up to pipe bottom level and same shall be checked before laying the pipe. At second stage the remaining bedding shall be done with proper careful compaction and finally the pipe top level shall be checked to confirm the proper slope.
- i) All the sewer lines are to be laid perfectly true both in alignment and to gradient specified. In case of spigot and socket pipe, the socket end of the pipe shall face upstream.
- j) The sewer lines shall be laid such that the making on pipes appears at the top of the pipes.
- k) Properly fitted temporary wooden stoppers shall be provided to close the ends of all incomplete sewer line. The stoppers are only to be removed when pipes are being laid and jointed. Opening of sewer at end of day's work shall be capped and sealed.
- l) Sewer pipe laying and jointing shall be started and completed only section wise as per the instruction of the Engineer-in-charge. The sections shall be chosen manholes to manhole. However in unavoidable circumstances the section of sewer line shall be changed as per site condition and as directed by Engineer. The work of sewer line laying, manhole construction and vent shaft shall be done simultaneously so that all the necessary testing can be done efficiently. The construction of the works should progress from downstream end (i.e. the discharge point) and proceed towards upstream. Also, as the work to facilitate the house sewer connection shall be done simultaneously, it will help in the commissioning of the works. As far as possible the testing of pipeline shall be done from manhole to manhole.
- m) The bedding for sewer lines shall be provided as specified in the drawings and as per direction of the Engineer.
- n) After 24 Hrs. of PCC bedding and laying of pipe line the trench shall be filled up to top of pipe with moist soil. The trench can be filled up to the top of the pipe level with moist soil to ensure curing of concrete and then after testing of sewer line, trench should be filled. In the duration before filling the trench, soil should be kept moist to ensure adequate curing.
- o) All the testing of sewer lines and other appurtenances, at both factory and site shall be carried out in presence of the Engineer or his representative.
- p) Special arrangements such as cranes, tripods with chain pulley block for lowering the pipes and fittings shall be made by contractor at his own cost. In no case pipes and fittings shall be dropped.
- q) The payment for the sewer lines and manholes shall be made only after satisfactory testing of the works, as directed by the Engineer.
- r) The reinstatement of road/footpath shall be done as specified and as per the requirements of the local authorities, on completion of all the works.

## **6.5 CONSTRUCTION OF MANHOLE CHAMBER AND TESTING FOR WATER TIGHTNESS.**

- a) The manholes shall be circular and constructed as RCC insitu for varying invert depths as per design and specification. The manholes shall generally conform to relevant I.S. and departmental specifications. The location of manhole shall be as per the drawing or layout given by the Engineer-in-charge or as directed by the Engineer-in-charge. The Manhole dimensions and other details shall be as per the enclosed drawing. The location of manholes shall be as per drawing or layout given by the Engineer-in-charge.
- b) The inspection and testing of manhole chambers frames and covers shall be done at factory in presence of Engineer or his representative or shall be got done through third party inspection. The load test for covers shall be done in accordance with Table 1 of IS 12592 (Part -I).
- c) The entire height of the manhole shall be tested for water tightness as per CPHEEO Manual or relevant IS code. The required water for testing and any other requirements shall be arranged by the Contractor at his own cost. .
- d) The testing shall be preferably be done between manhole to manhole lengths. In case of steep slopping sewers, the test pressure at lower end of pipe, length tested should not exceed the allowable static pressure, the pipe length should be subdivided, and plug at end shall be effectively fixed. The pipe length under test shall be charged gradually. The pipe length under test should remain filled with water at least 24 hrs. Before testing.
- e) Any defect noticed during the testing shall be immediately repaired removed and replaced. The testing should again be repeated if it satisfies above requirements. The test water should be left in pipe during bedding and back filling operations.

## **6.6 MAKING CONNECTION WITH EXISTING SEWER.**

- a) The connections in the existing sewer where required as per working drawings shall be made by cutting precast manhole walls preferably by using core cutting machine or other suitable means as specified by Engineer-in-charge. .

## **6.7 WORK TO FACILITATE HOUSE SEWER CONNECTION:**

The work involves the laying of 110mm dia PVC (SWR) Grade 'B' pipes ( make KISAN/FINOLEX) from the street manholes to property boundaries / roadside chambers to the as per drawings, site layout and as directed by the Engineer-in-charge to facilitate house sewer connections. UPVC pipes are to be plugged with end cap and concrete post near the property boundaries as shown in the Drawing and / or as directed by the Engineer.

**No work shall be carried out inside the property boundaries.**

## **6.8 OTHER SERVICES**

Contractor shall take the necessary precautions to avoid the damage to other services such as water supply lines, telephone cables, electrical cables, storm water drains etc. In case of any damages to any of the services, Contractor shall be responsible for restoring the facilities in bare minimum time at his own cost.

## **6.9 PRECAST REINFORCED CONCRETE**

### **PRECAST REINFORCED CONCRETE**

#### **6.9.1 GENERAL REQUIREMENTS**

- a) Concrete used for pre-casting the units should be well proportioned, mixed, placed and thoroughly compacted by vibrations or tamping to give dense concrete free voids and honey combing.
- b) Pre-cast articles shall have a dense surface finish showing no coarse aggregate and shall have no cracks or crevices likely to assist in disintegration of concrete or rusting of steel or other defects that would interfere with the proper placing of the units. All angles of the precast units with the exception of the angles resulting from the splayed or chamfered faces shall be true right angles. The arises shall be clean and sharp except those specified or shown to be rounded. The wearing surface shall be true to the lines. On being fractured, the interior of the units should present a clean homogeneous appearance.

#### **6.9.2 CURING**

- a) After having been cast in the mould or form the concrete shall be adequately protected during set-ting in the first stages of hardening from shocks and from harmful effects of frost, sunshine, drying winds and cold. The concrete shall be cured at least for 14 days from the date of casting.
- b) The precast articles shall be matured for 28 days before erection or being built in so that the concrete shall have sufficient strength to prevent damage to units when first handled.

#### **6.9.3 MARKING**

Precast units shall be clearly marked to indicate the top of member and its location and orientation in the structure.

#### **6.9.4 MIX DESIGN PROPORTIONING**

- a) Mix proportions shall be designed to ensure that the workability of fresh concrete is suitable for conditions of handling and placing, so that after compaction it surrounds all reinforcements and

completely fills the formwork. When concrete is hardened, it shall have the formwork. When concrete is hardened, it shall have the stipulated strength, durability and impermeability.

- b) Determination of the proportions by weight of cement, aggregates and water shall be based on design of the mix.
- c) As a trial the manufacturer of concrete may prepare a preliminary mix according to provisions of SP: 23-1982. Reference may also be made to ACI 211.1-77 for guidance.
- d) Mix design shall be tried and the mix proportions checked on the basis of tests conducted at a recognized laboratory approved by the Engineer-in-charge.
- e) All concrete proportions for various grades of concrete shall be designed separately and the mix proportions established keeping in view the workability for various structural elements, methods of placing and compacting.

#### **6.9.5 STANDARD DEVIATION**

Standard deviation calculations of test results based on tests conducted on the same mix design for a particular grade designation shall be done in accordance with clause 9.2.4 of IS 456:2000

#### **6.9.6 ACCEPTANCE CRITERIA**

The acceptance criteria for compressive strength and flexural strength designation shall be done in accordance with the relevant clauses of the IS codes.

#### **6.9.7 DESTRUCTIVE TESTS**

- a) Load Test: Contractor shall make necessary arrangement for load test of precast units at manufacturer's site. The load test shall be carried out by Engineer-in-Charge or by Third Party after approval of Engineer-in-Charge.
- b) Core test : Core test, if ordered by the Engineer-in-charge, shall be done in accordance with IS 516. Samples for such test shall be taken from locations to be identified by the Engineer-in-charge and such samples shall be collected in compliance with IS 1199.

#### **6.9.8 NON DESTRUCTIVE TESTS**

In case of doubtful structural strength non-destructive testing of the pre-cast manhole elements shall be done as per the instructions of Engineer-in-charge. Such tests may be any one or a combination of the following:-

1. REBOUND HAMMER TEST
2. WINDSOR PENETRATION PROBE TEST
3. PULSE VELOCITY (SONIC OR ULTRASONIC) TEST

Interpretation of Rebound Hammer, Windsor Probe and Pulse-velocity test results shall rest with the Engineer-in-charge.

#### **6.9.9 SPECIFICATION FOR RCC ECCENTRIC CONICAL PIECE IN M40 GRADE.**

The work involves construction of Pre-cast RCC M-40 grade circular manhole chamber of designated diameter 100/1200/1500 for various invert depths including required excavation of earth in all types of soils such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc. disposing of surplus excavated material within a lead of 50 meter. The work includes laying of 150 mm thick plain cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) 1600/1800/2100 mm diameter bedding in foundation, providing and laying of plain cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate ) in channel & circular starter base wall up to 50 mm above outer dia. of sewer pipe and P&F in position of 125 mm thick 150/225 mm high Pre-Cast M-40 grade cement concrete ring at bottom and consecutive standard size 300 mm high rings. The work includes P&F pre-cast reinforced cement concrete eccentric conical piece of M40 grade, 125 mm thick having 560 mm and 1000/1200/1500 mm internal diameter at top & bottom respectively, fitted with Ferro-cement cover of 33 kg cast iron double seal ring & frame (heavy-duty) etc to withstand for class AA loading including supply and fixing of Ferro-cement foot steps and sealing of all joints with cement mortar 1:1 complete job as per detailed specifications, drawings and directions of Engineer-In charge.

*The height of the M-40 grade cement concrete circular rings of manhole can be increased only after the approval of Engineer-in-Charge subject to a maximum height of 1.20 m for which no extra payment shall be made to the contractor.*

##### **6.9.8.1 TOP ECCENTRIC CONICAL PIECE.**

- a) Providing and fixing of Pre-cast RCC M-40 grade concrete eccentric conical piece for manhole manufactured using Weight Batching Plant.
- b) Only Design Mix Concrete of Grade M-40 shall be used.
- c) Shape:- Eccentric frustum of cone of designated diameter and thickness as per the enclosed

drawings and specifications

- d) Testing: Apart from the usual strength test on of the concrete mix non-destructive test for strength of the concrete is to be carried out on sample piece of pre-cast manhole elements as per the instruction of engineer-in-charge.

#### **6.9.8.2 CIRCULAR RINGS.**

- a) Providing and fixing of Pre-cast M-40 grade cement concrete circular rings for manhole chambers manufactured by using Weight Batching Plant.
- b) Only Design Mix Concrete of Grade M-40 shall be used.
- c) Shape:- Circular in shape with end keys at top and bottom of designated diameter, height and thickness as per the enclosed drawings and specifications. The height of rings can be increased in the multiples of 30cms after inspection and approval of Engineer-in-Charge.
- d) Testing: Apart from the usual strength test on of the concrete mix non-destructive test for strength of the concrete is to be carried out on sample piece of pre-cast manhole elements lot as per the instruction of engineer-in –charge

**6.9.8.3** The contractor shall be responsible for the quality of the works during the executions of works with good Engineering practices. He shall, therefore, have his own independent and adequate setup for ensuring the same.

#### **7.0 CONTRACTOR'S STAFF AND EQUIPMENT**

- a) The contractor shall employ for the execution of the work only such persons as are skilled and experience in all activities required for the completion of the work, from reconnaissance surveys to detailed design, manufacturing, and execution and testing to commissioning.
- b) The contractor shall provide either one graduate or one diploma Engineer to supervise the construction of the work and to act as the contractor's Representative. The Engineer shall be B.E. Civil Eng. with minimum 1-year experience or a diploma in Civil Eng. with minimum 3 years experience in the field of sewer line work. The contractor shall also provide sufficient skilled, semi-skilled and un-skilled labor as are necessary to ensure completion of the various sections of the work in the time required the contractor shall not deploy/remove any supervisory staff or Labour from the site without approval of the Engineer in charge.
- c) The Engineer in charge shall be at liberty to object and direct the contractor to remove from the work any person who in the opinion, of the engineer in charge misconduct himself or is incompetent or negligent in the proper performance of his duties such person shall not be again employed without permission of the engineer in charge.
- d) The contractor shall at all times during progress of the work take all requisite precautions and use his best endeavors to prevent any notorious or unlawful behavior by or amongst the workers and other persons employed on the works and for the preservation of peace and protection of the inhabitants and the security of property in the neighborhood of the work.
- e) The contractor shall, if required by the Engineer in charge deliver to him a return in detail in such form and at such intervals as the Engineer in charge may prescribe, showing the supervisors and Labour employed by the contractor on the site The contractor shall make his own suitable arrangements for lodging and boarding of his, Labour supervisors and engineers

#### **8.0 PROGRESS OF WORK**

All components of works shall ensure a logical sequence of supply, installation, testing, and commissioning. If any supply of a material is made, not in conformity to the logical sequencing of the work component, no payments will be entitled against such supplies and installations.

**Executive Engineer (PHE-III)**  
**JDA, Jaipur**

## **Section A-5**

### **Annexure**

**Compliance with the code of Integrity and No Conflict of Interest**

Any person participating in a procurement process shall –

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit the misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

**Conflict of Interest :-**

The Bidder participating in a bidding process must not have a Conflict of interest.

A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:

- a. Have controlling partners/shareholders in common ; or
- b. Receive or have received any direct or indirect subsidy from any of them; or
- c. Have the same legal representative for purposes of the Bid; or
- d. Have a relationship with each other; directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
- e. The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- f. The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.

## Declaration by the Bidder regarding Qualifications

### Declaration by the Bidder

In relation to my/our Bid submitted to ..... for procurement of ..... in response to their Notice inviting Bids No. ....Dated .....

I/We hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that :

1. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/We have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/We are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceeding for any of the foregoing reasons;
4. I/We do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement Contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/We do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date :  
Place :

Signature of bidder

Name :  
Designation :  
Address :

## Grievance Redressal during Procurement Process

The designation and address of the **First Appellate Authority is Executive Committee (E.C.), JDA, Jaipur.**  
The designation and address of the **Second Appellate Authority is PS/ACS/UDH, Jaipur.**

### (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 there under, 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 Endeavour to dispose it of within thirty days from the date of the appeal.

(3) If the officer designated under para (1) fails to dispose of 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) Appeal 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 Appeal

(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 documents, 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 :

(i) 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 : .....

(Supported by an affidavit)

7. Prayer : .....

Place .....

Date .....

**Appellant's Signature**

**Additional Conditions of Contract****1. Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected ; and
- iii. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

**2. Procuring Entity's Right to Vary Quantities**

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

**3. Dividing quantities among more than one Bidder at the time of award (In case of procurement of Goods)**

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

4. "If any bidder quotes a rate below than the schedule "G" rates, i.e. rates below than at par, than the bidder has to deposit the difference amount i.e. amount between the rates as per at par and below, as work performance guarantee. This amount has to be deposited before the commencement of work and will be refunded after successful completion of work. Lowest bidder will be issued LOA (Letter of Acceptance) and within 7 days period he has to deposit difference amount in the from of B.G./FDR/NSC. The validity of these shall be for a period three months beyond the stipulated date of completion / actual date of completion. In case of non deposition of the same in specified period, the 2 % Bid security will be forfeited. In case work is not completed satisfactorily, the work performance security will be forfeited along with Bid security."

Signature of Contractor  
with full address & Mobile No.

Executive Engineer (PHE-III)  
JDA, Jaipur

**Schedule – I**

**FINANCIAL RESOURCES AND CAPABILITY**

**[Reference clause 3 (a)]**

**1 Name of Bidder**

**2. Total financial turnover achieved by the bidder in the last five financial years:**

S.no.	Year	Turnover
(1)		
(2)		
(3)		
(4)		
(5)		

Note: Balance Sheets and Profit & Loss Accounts is to be enclosed by the bidder which is considered by him as per criteria 2 (a).

3. Total financial Turnover projected in the current financial year

4. Has the bidder ever been debarred from tendering for Central Government / 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.

Signature of Bidder

**Date :**

**(With Seal wherever applicable)**

## SCHEDULE - II

[Reference Clause 3(b)]

### DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

S. No.	Name of Works (with agreement No. & Date)	Client	Place (district / state)	Financial Year	Principal Items of work	
					As per 2(a)	As per 2(a)

**Signature of Bidder**

Note: Certificates from concerned Engineers-in-charge should be enclosed in support and verification of the above statement.

Signed  
Photograph of  
Applicant

To be given on Non-Judicial stamp  
Paper of Rs. 10/- only,

### Schedule – III

[Reference Clause 3(d)]

### **AFFIDAVIT**

I /We..... Proprietor/ Partner/ Authorized signatory of M/s ..... under take the oath that I/We will deploy the machinery and equipment listed below as and when required in the execution of this work.

No.	Name of Machinery	Minimum Requirement	Availability	
			Owned	Leased
1	Auto level Instrument with stand & staff	1No.		
2	Tractor with tanker attach with pump	1No		
3	Tractor with Trolley and blade	1No		
4	Diesel operated dewatering pump.	1No		

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(e)]

**DETAILS OF MAXIMUM VALUE CIVIL ENGINEERING WORKS EXECUTED IN ANY ONE YEAR DURING THE LAST FIVE YEARS TAKING INTO ACCOUNT THE COMPLETED AS WELL AS WORKS IN PROGRESS**

S. No.	Name of Works (with agreement No. & Date)	Client	Place (district / state)	Financial Year	Cost of Work as per Work Order	Stipulated date of commencement	Stipulated date of completion	Value of work done during the year

**Signature of Bidder**

## SCHEDULE - V

[Reference Clause 3(f)]

### DETAILS OF EXISTING COMMITMENTS & ON GOING WORKS TO BE COMPLETED

S. No.	Name of Works (with agreement No. & Date)	Client	Cost of Work as per Work Order	Stipulated date of commencement	Stipulated date of completion	Value of balance work on date of tender	Likely date of completion of balance work

**Signature of Bidder**

## SCHEDULE - VI

[Reference Clause 3(g)]

### DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

S. No.	Name of Works (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**



## SCHEDULE –VII

[Reference Clause 3(h)]

### BID CAPACITY

Name of Bidder: \_\_\_\_\_

1.	A = Maximum value of civil Engineering works Executed in any one year during the last five Years (Updated to present price level)	_____Lacs	Certified details enclosed at Page No. _____
2.	N = Number of years prescribed for completion of the Work for which bids are invited	-----	
3.	B = Value, at present price level of existing Commitments and on going works to be Completed during the next N Period.	_____Lacs	Certified details enclosed at Page No. _____

Bid Capacity =  $A \times N \times 3 - B$   
= \_\_\_\_\_ Lacs

Signature of Bidder

## **ANNEXURE- I**

[Reference Clause 3(i)]

Signed  
Photograph of  
Applicant

To be given on Non-Judicial stamp  
Paper of Rs. 10/- only,

## **AFFIDAVIT**

I/We..... Proprietor/ Partner/ Authorized  
signatory of M/s ..... under take the oath that the  
information furnished by me/us in schedule I to VII of the assessment Bid for  
..... is correct to the best  
of my/our knowledge and nothing has been concealed by me. I acknowledge that if  
in future any information furnished by me is found incorrect I will be solely  
responsible and shall be punished as per the law and also any benefits in any form  
obtained by me shall be recoverable.

.....  
Proprietor/ Partner/ Authorized signatory

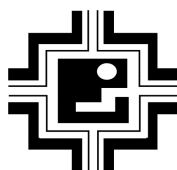
M/s .....

.....

### **Note:-**

The applicant has to enclose a self attested photo identity card with the above affidavit.

# **JAIPUR DEVELOPMENT AUTHORITY**



## **Tender Document**

**For**

**Name of work : Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Precast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur.**

**Cost: Rs. 403.00 Lacs**

NIT No. 11/2015-16

Due On: 14.08.2015

**Volume-II**

**Envelope 'A' (Financial)**

**Executive Engineer (PHE-III)  
Jaipur Development Authority  
Jaipur**

## JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

**Name of work:- Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur**

### **G – Schedule**

Part-A		Based on PWD Building BSR-2013/ JDA approved rates			
S.No.	PARTICULARS	Qty.	Unit	Rate	AMOUNT (in Rs.)
1	Providing, laying and jointing of 200 mm diameter Stone Ware pipes grade "A" ISI Marked conforming to IS:651:1980 (Amended up to date) with 10 cm thick and 63 cm wide plain cement 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) bedding and haunching upto 1/4 of outer diameter of pipe of sewer and laying stone ware pipes confirming to IS: 4127: 1983 (Amended up to date) with hydraulic testing of sewer line including cost of water and equipment required for testing. The work includes earth work in excavation in all types of soil such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc. including disposing off surplus excavated material within a lead of 50 meter including cost of close timbering beyond 1.50 meter average invert depth, shoring and strutting and refilling of trenches with excavated material, watering and ramming in layers as per PWD specifications complete in all respect and as per direction of Engineer-in-charge for following average invert depths:				
1.1	At av. Depth 0.9 meter [From 0.90 m to 1.19 m]	1000.00	Mtr.	398.00	398000.00
1.2	At av. Depth 1.2 meter [From 1.20 m to 1.49 m]	3500.00	Mtr.	406.00	1421000.00
1.3	At av. Depth 1.5 meter [From 1.50 m to 1.79 m]	3500.00	Mtr.	418.00	1463000.00
1.4	At av. Depth 1.8 meter [From 1.80 m to 2.09 m]	3250.00	Mtr.	556.00	1807000.00
1.5	At av. Depth 2.1 meter [From 2.10 m to 2.39 m]	2500.00	Mtr.	586.00	1465000.00
1.6	At av. Depth 2.4 meter [From 2.40 m to 2.69 m]	2500.00	Mtr.	625.00	1562500.00
1.7	At av. Depth 2.7 meter [From 2.70 m to 2.99 m]	2250.00	Mtr.	665.00	1496250.00

2	Providing, laying and jointing of 200 mm diameter RCC S&S NP-4 pipes ISI Marked conforming to IS:458:1988 (Amended up to date) with anticorrosive bitumenastic paint of approved brand (2 or more coats) and make shalimar or equivalent ) with ISI marked rubber ring/gasket lubricant etc including P/I 10 cm thick and 46 cm wide granular bedding with graded hard crusher broken stone aggregate 20 mm (nominal size) bedding and haunching upto 1/4 of outer diameter of pipe of sewer and laying RCC S&S pipes conforming to IS: 783: 1995 (Amended up to date) with hydraulic testing of sewer line including cost of water and equipment required for testing. The work includes earth work in all type of soil such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc. including disposing off surplus excavated material within a lead of 50 meter including cost of close timbering beyond 1.50 meter average invert depth, shoring and strutting and refilling of trenches with excavated material, watering and ramming in layers as per PWD specifications complete in all respect and as per direction of Engineer-in-charge for following average invert depths: (D-142 Dt. 28.04.2008)				
2.1	At av. Depth 3.0 meter [From 3.00 m to 3.29 m]	1250.00	Each	731.00	913750.00
2.2	At av. Depth 3.3 meter [From 3.30 m to 3.59 m]	1000.00	Each	800.00	800000.00
2.3	At av. Depth 3.6 meter [From 3.60 m to 3.89 m]	750.00	Each	834.00	625500.00
2.4	At av. Depth 3.9 meter [From 3.90 m to 4.19 m]	500.00	Each	879.00	439500.00
3	Providing Laying and Jointing of 250mm dia RCC S&S Class NP-2 ISI marked pipe with anti corrosive bitumen paint of approved brand (two or more coats) (IS458:1988) amended upto date) approved make with ISI marked rubberring /gasket lubricants etc. with 10 cm thick and 45 cm wide plain cement concrete 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) bedding and haunching up to ¼ of outer dia of pipe of sewer and laying RCC S&S pipes conforming to IS:783-1995 (Amended upto date) with hydraulic testing of sewer line including cost of water and equipment for testing. The work includes earthwork in all types of soil such as murrum, sand, silt, black cotton soil, kankar etc. disposing off surplus excavated material within a lead of 50 meter including cost of close timbering shoring & strutting and than refilling of trenches with excavated material, watering and ramming barricading along trenches as per drawings & specification complete in all respect and as per direction of Engineer incharge for following average invert depths. (D-142 Dt. 28.04.2008)				
3.1	At av. Depth 3.0 meter [From 3.00 m to 3.29 m]	750.00	Each	729.00	546750.00

3.2	At av. Depth 3.3 meter [From 3.30 m to 3.59 m]	750.00	Each	789.00	591750.00
3.3	At av. Depth 3.6 meter [From 3.60 m to 3.89 m]	500.00	Each	839.00	419500.00
3.4	At av. Depth 3.9 meter [From 3.90 m to 4.19 m]	500.00	Each	873.00	436500.00
4	<b>Construction of Pre-cast RCC M-40 grade circular manhole chamber up to invert depth 1.79 meter having 1000 mm internal diameter</b> including required excavation of earth in all types of soils such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc. disposing of surplus excavated material within a lead of 50 meter. The work includes laying of 150mm thick plain cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) 1600 mm dia bedding in foundation, providing and laying of plain cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate ) in channel & circular starter base wall up to 50 mm above outer dia. of sewer pipe and P&F in position of 125 mm thick 150/225 mm high pre-cast M40 grade cement concrete ring at bottom and consecutive standard size 300 mm high rings. The work includes P&F pre-cast reinforced cement concrete eccentric conical piece of M40 grade, 125 mm thick having 560 mm and 1000 mm internal diameter at top & bottom respectively, fitted with Ferro-cement cover of 33 kg cast iron double seal ring & frame (heavy-duty) etc to withstand for class AA loading including supply and fixing of Ferro-cement foot steps and sealing of all joints with cement mortar 1:1 complete job as per detailed specifications, drawings and directions of Engineer-In charge, for following average Invert depths: (D-142 Dt. 28.04.2008)				
4.1	At av. Depth 0.9 meter [From 0.9 m to 1.19 m]	50.00	Each	6612.00	330600.00
4.2	At av. Depth 1.2 meter [From 1.20 m to 1.49 m]	175.00	Each	7239.00	1266825.00
4.3	At av. Depth 1.5 meter [From 1.50 m to 1.79 m]	175.00	Each	8292.00	1451100.00

5	Construction of Pre-cast RCC M-40 grade circular manhole chamber for invert depth from 1.800 meter to 2.990 meter having 1200 mm internal diameter including required excavation of earth in all types of soils such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc., disposing of surplus excavated material within a lead of 50 meters. The work includes laying of 150 mm thick plain cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) 1600 mm dia bedding in foundation, providing and laying of plain cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate ) in channel & circular starter base wall up to 50 mm above outer diameter of sewer pipe and P&F in position of 125 mm thick 150/225 mm high precast M-40 grade cement concrete ring at bottom and consecutive standard size 300 mm high rings. The work includes P&F pre-cast reinforced cement concrete eccentric conical piece of M40 grade, 125 mm thick having 560 mm and 1000 mm internal diameter at top & bottom respectively, fitted with Ferro-cement cover of 33 kg Cast Iron double seal ring & frame (heavy-duty) etc., to withstand for Class-AA loading including supply and fixing of Ferro-cement foot steps and sealing of all joints with cement mortar 1:1 complete job as per detailed specifications, drawings and directions of Engineer- In-charge, for following average invert depths: (D-142 Dt. 28.04.2008)				
5.1	At av. Depth 1.8 meter [From 1.80 m to 2.09 m]	175.00	Each	10451.00	1828925.00
5.2	At av. Depth 2.1 meter [From 2.10 m to 2.39 m]	125.00	Each	11695.00	1461875.00
5.3	At av. Depth 2.4 meter [From 2.40 m to 2.69 m]	125.00	Each	12941.00	1617625.00
5.4	At av. Depth 2.7 meter [From 2.70 m to 2.99 m]	112.00	Each	14188.00	1589056.00
6	Construction of Pre-cast RCC M40 grade circular manhole chamber for invert depth from 3.000 meter and above having 1500 mm internal diameter including required excavation of earth in all types of soils such as murrum, sand, sandy silt, black cotton soil, hard soil, kankar etc., disposing of surplus excavated material within a lead of 50 meters. The work includes laying of 150 mm thick plain cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 20 mm nominal size) 1600 mm diameter bedding in foundation, providing and laying of plain cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate ) in channel & circular starter base wall up to 50 mm above outer dia. of sewer pipe and P&F in position of 125 mm thick 150/225 mm high precast M40 grade cement concrete ring at bottom and consecutive standard size 300 mm high rings. The work includes P&F pre-cast reinforced cement concrete eccentric conical				

	piece of M40 grade, 125 mm thick having 560 mm and 1000 mm internal diameter at top & bottom respectively, fitted with Ferro-cement cover of 33 kg Cast Iron double seal ring & frame (heavy-duty) etc to withstand for Class-AA loading including supply and fixing of Ferro-cement foot steps and sealing of all joints with cement mortar 1:1 complete job as per detailed specifications, drawings and directions of Engineer- in - charge, for following average Invert depths: (D-142 Dt. 28.04.2008)				
6.1	At av. Depth 3.0 meter [From 3.00 m to 3.29 m]	62.00	Each	18585.00	1152270.00
6.2	At av. Depth 3.3 meter [From 3.30 m to 3.59 m]	50.00	Each	20098.00	1004900.00
6.3	At av. Depth 3.6 meter [From 3.60 m to 3.89 m]	37.00	Each	21628.00	800236.00
6.4	At av. Depth 3.9 meter [From 3.90 m to 4.19 m]	25.00	Each	23154.00	578850.00
6.5	For 250 mm dia Sewer line				
6.6	At av. Depth 3.0 meter [From 3.00 m to 3.29 m]	37.00	Each	18536.00	685832.00
6.7	At av. Depth 3.3 meter [From 3.30 m to 3.59 m]	37.00	Each	20049.00	741813.00
6.8	At av. Depth 3.6 meter [From 3.60 m to 3.89 m]	25.00	Each	21579.00	539475.00
6.9	At av. Depth 3.9 meter [From 3.90 m to 4.19 m]	25.00	Each	23106.00	577650.00
7	Barricading with sal ballies as per design including tying wit vertical posts by coconut strings complete in all respect with two horizontal members height 1.2 meter upto 1.5 meter above G.L. and vertical support upto 2.5 meter C/C and for 3 days period incl. removal and cleaning the site complete in all respects.	45000.00	Rmt	15.00	675000.00
8	Add extra in barricading for each subsequent day after three days.	7500.00	Rmt	1.00	7500.00
9	Carriage of timber sand lime morrum manure earth ballast builders building rubbish etc. by meek transport including unloading and stacking etc. complete in all respect leads upto 0.5 km. (BSR 2010 B/G-4.1)	14000.00	CUM	31.90	446600.00
10	Providing and fixing unplastized Poly-Vinyl-Chloride uPVC SWR Pipes Type "B" for soil and waste discharge system (IS:13592:1992 marked) of approved quality/ make size 110 mm diameter.(BSR 2010 S/3.45.2)	21550.00	Mtr.	200.00	4310000.00
11	Providing and fixing unplastized Poly-Vinyl-Chloride uPVC SWR Pipes fittings Type "B" for soil and waste discharge system (IS:13592:1992 marked) of approved quality/ make size 110 mm diameter (socket plug). (BSR 2010 S/3.46.11)	4720.00	Each	44.00	207680.00



12	Excavating trenches of required width for pipe cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 meter including taking out the excavated soil, and then returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50 meter. Pipes, cable, etc. exceeding 80 mm dia. but not exceeding 300 mm diameter. (BSR 2010 B/1.10.2)	21550.00	R.Mtr.	91.00	1961050.00
13	Labour changes for making connection of sewer line through manhole. (BSR 2010 S/3.14)	4720.00	Each	222.00	1047840.00
14	Supplying and fixing Ferro-cement cover with C.I. Frame & CI ring of 33 kg for chambers & manholes of size 560mm dia . to withstand 22 MT centre point load (Heavy duty). (D-755 dt. 13.12.05)	125.00	Each	1775.00	221875.00
15	Raising/lowering to required height of pre-cast concrete manhole where ever pre-cast chamber have been provided in sewerage system by dismantling the C.I. frame provided for cover, dismantling and concrete of conical piece, bending the extended reinforcement in required position providing M-40 grade cement concrete as per site requirment and fixing of new C I frame for placing manhole cover. The work includes curing, providing barricading during construction, putting sign board/caution board for safety purpose, providing all material like cement, sand, grit for M-40 concrete, shuttring where ever required. The work also includes providing all tools and plants such as vibrator, mixture, required for the Job in all respect with site clearance. (Dir. Engg. /D-143 dt. 28.02.2011)	200.00	Nos.	1500.00	300000.00
<b>Total Part-A Rs.</b>					<b>39190577.00</b>

**Executive Engineer (PHE-III)**  
**JDA, Jaipur**

I/We Quote as ..... % above/ below the schedule " G " Part-A

( in Words.....)

**Signature of Contractor**

## JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

**Name of work:- Rate Contract for Two Year for Providing Laying & Jointing of lateral sewer line with construction of Pre-cast R.C.C. manholes in various colonies under Zone PHE-II & III, JDA, Jaipur**

### **G – Schedule**

Part-B		Based on PWD Building BSR-2013/ JDA approved rates			
S.No.	PARTICULARS	Qty.	Unit	Rate	AMOUNT (in Rs.)
1.00	Granular Sub-base with Well Graded Material ( Table 400.1) (A) By mix in place method Construction of granular sub-base by providing well graded material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density complete as per Technical Specification Clause 401. (Dir. Engg. /D-143 dt. 28.02.2011)				
1.10	For Grading I Material	650.00	CUM	472.00	306800.00
1.20	For Grading II Material	500.00	CUM	462.00	231000.00
1.30	For Grading III Material	500.00	CUM	419.00	209500.00
2.00	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level.				
2.10	M20 grade Nominal Mix 1: 1.5: 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).	50.00	CUM	3607.00	180350.00
2.20	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	50.00	CUM	2585.00	129250.00
	<b>Total Part-B Rs.</b>				<b>39190577.00</b>

**Executive Engineer (PHE-III)  
JDA, Jaipur**

I/We Quote as ..... % above/ below the schedule " G " Part-B

(In Words.....)

**Signature of Contractor**