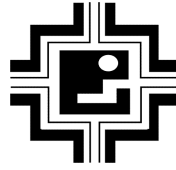


# **JAIPUR DEVELOPMENT AUTHORITY**



## **Tender Document**

**For**

**Name of Work:** Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Cost: Rs. 396.75 Lacs**

NIT No. 07/2020-21

Due On: 22.12.2020

**Volume-I**

**Envelope 'A' (Technical Bid)**

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

# जयपुर विकास प्राधिकरण, जयपुर

राम किशोर व्यास भवन, कमरा नं. 135, मुख्य भवन,  
इन्दिरा सर्किल जवाहर लाल नेहरू मार्ग, जयपुर-302004

क्रमांक जविप्रा/अधि.अभि. (पीएचई- I)/2020-21/D-391

दिनांक 24.11.2020

## निविदा सूचना

**निविदा सूचना सं0 अधि. अभि. (पीएचई- I)/07/2020-21**

जयपुर विकास प्राधिकरण द्वारा “Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.” जिसकी अनुमानित लागत रु 396.75 लाख के लिए ऑनलाईन बिड्स दिनांक 22.12.2020 को सायं 6:00 बजे तक आमन्त्रित की जाती है। निविदा बोली का ऑनलाईन आवेदन व भुगतान जविप्रा पोर्टल पर करने की अन्तिम तिथी 22.12.2020 को सायं 6:00 बजे तक है। निविदा बोली के दस्तावेजों का विस्तृत विवरण [www.sppp.rajasthan.gov.in](http://www.sppp.rajasthan.gov.in), [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in) पर देखा जा सकता है।

निविदा में भाग लेने वालों को निम्न शर्तों की पूर्ति करनी होगी।

1. निविदा दाता जयपुर विकास प्राधिकरण की वेबसाइट [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in) पर पंजीकृत हो एवं निविदा में भाग लेने के लिए बोलीदाता को आवेदन करने के लिए दस्तावेज शुल्क, अमानत राशि, आर.आई.एस.एल. प्रोसेसिंग शुल्क ऑनलाईन जमा करनी होगी।
2. ऑनलाईन निविदा प्रस्तुत करने के लिए निविदा दाताओं का राजस्थान सरकार के ई-प्राक्यूमेंट पोर्टल [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) पर पंजीकृत हो।

अधिशायी अभियंता (पीएचई- I)  
जविप्रा, जयपुर।

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, 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: [zepheljda@yahoo.in](mailto:zepheljda@yahoo.in)

No: - JDA/EE/PHE-I/2018-19/D-391

Dated: 24.11.2020

### NOTICE INVITING BID

NIB No. : JDA/EE (PHE-I)/07/2020-21

Online Bids are invited up-to 6.00 PM of 22.12.2020 for **“Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.”** Estimated cost of 396.75 Lacs. The last date for Applying Bid and making online payment on JDA portal is up-to 6.00 PM of 22.12.2020. Details may be seen in the Bidding Document at our office or the 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.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in).

To participate in the bid, bidder has to be:

1. Registered on JDA website [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in), 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.

(M. L. Jangid)  
Executive Engineer (PHE-I)  
JDA, Jaipur

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, 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: [zepheljda@yahoo.in](mailto:zepheljda@yahoo.in)

**Bid No: - JDA/EE/PHE-I/2020-21/D-391**

**Dated: 24.11.2020**

### NOTICE INVITING BID

NIB No. : JDA/EE(PHE-I)/07/2020-21

|                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name &amp; Address of the Procuring Entity</b>                                                                                                | <p>➤ Name: Executive Engineer (PHE-I), Jaipur Development Authority<br/>Address: Room No. 135, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302 004<br/>Telephone: +91-141-2569696 E.mail: <a href="mailto:zepheljda@yahoo.in">zepheljda@yahoo.in</a></p>                                                                                                                                              |
| <b>Subject Matter of Procurement</b>                                                                                                             | <p>➤ <b>Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.</b><br/>➤ <b>Job No. : 103/2018-19</b></p>                                                                                                                                                                                                                           |
| <b>Bid Procedure</b>                                                                                                                             | <p>➤ 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></p>                                                                                                                                                                                                                                                  |
| <b>Bid Evaluation Criteria (Selection Method)</b>                                                                                                | <p>➤ Potential Assessment Method L1 (eg. Least Cost Based Selection (LCBS)-L1)</p>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.</b>                                                                 | <p>➤ 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.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</a></p>                                                                                                                                                                                      |
| <b>Website for online Bid application participation and payment *</b>                                                                            | <p>➤ Website: <a href="http://www.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</a><br/>➤ 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.<br/>○ Bidding document fee: Rs. 1000/- Rupees (One thousand only)<br/>○ RISL Processing Fee: Rs. 1000/- (Rupees One Thousand only)<br/>Requisite Bid Security Deposit</p> |
| <b>Estimated Procurement Cost</b>                                                                                                                | <p>➤ INR 3,96,74,648.00/- (Rupees Three Crore Ninety Six Lacs Seventy Four Thousand Six Hundred Forty Eight Only)</p>                                                                                                                                                                                                                                                                                                                            |
| <b>Bid Security Deposit</b>                                                                                                                      | <p>➤ Amount (INR) : 1% (Rs. 3,96,746.00/-) for A &amp; Above contractor registered in other department and 0.5% (1,98,373.00/-) for A &amp; AA Class contractor enlisted in JDA.</p>                                                                                                                                                                                                                                                             |
| <b>Date/Time/Place of Pre-Bid</b>                                                                                                                | <p>➤ NA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applying Bid and making Online Payment on JDA portal (<a href="http://www.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</a>)</b> | <p>➤ Start Date: 01.12.2020 at 9.30 AM<br/>➤ End Date: 22.12.2020 at 06.00 PM<br/>➤ In case EMD in from BG Original Bank Guarantee is to be submitted in Room No MB-SF-225A (Room No. of DD ( E&amp;B) of Main Building, Jaipur Development Authority by 23.12.2020 10.00AM to 28.12.2020 upto 5.00 PM</p>                                                                                                                                       |
| <b>Bid Submission on e-Procurement Portal of GOR</b>                                                                                             | <p>➤ Start Date: 01.12.2020 at 9.30 AM<br/>➤ End Date: 22.12.2020 at 06.00 PM</p>                                                                                                                                                                                                                                                                                                                                                                |
| <b>Date/Time/Place of Technical Bid Opening</b>                                                                                                  | <p>➤ 29.12.2020 at 03.00 PM</p>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Date/ Time/ Place of Financial Bid Opening</b>                                                                                                | <p>➤ Will be intimated later to the Technically qualified bidders in case of Two Bid</p>                                                                                                                                                                                                                                                                                                                                                         |
| <b>Bid Validity</b>                                                                                                                              | <p>➤ 120 days from the bid submission deadline</p>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Completion period of work</b>                                                                                                                 | <p>➤ 12 Months</p>                                                                                                                                                                                                                                                                                                                                                                                                                               |

\* Jaipur Development Authority has decided to receive Earnest Money Deposit (EMD) (Bid Security), Tender Fee and RISL processing fee online through JDA Portal. The bid security options available in tender for participants are as mentioned below:

**A. Payment Options:**

**Option-1: Bank Guarantee (BG) against EMD / Bid Security**

Bidder may opt Bank Guarantee (BG) against EMD (Bid Security), for which bidder requires to prepare BG before applying in the tender. The details of BG requires to be fed on JDA portal before paying balance amount (Tender Fee + RISL Processing Fee). This amount will be paid through Payment Gateway only, option to make balance payment through EFT (RTGS/NEFT) will not be available.

If bidder does not opt for BG against EMD, options of making complete payment through Payment Gateway or through EFT (NEFT / RTGS) will be available.

**Option-2: Electronic Fund Transfer (EFT: NEFT/RTGS)**

If the bidder selects payment mode as EFT (NEFT/RTGS), "Paying Slip for EFT (NEFT/RTGS)" will be generated by the system for the complete amount. The payment can be made from any Bank any Branch using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 48 hours prior to closing date of bid participation.

**Option-3: Payment Gateway (Aggregator)**

The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from anywhere any time till the closing date & time of bid participation.

**B. Bid Participation Receipt**

After confirming payment, the bidder will get Bid Participation Receipt on the basis of which user will get the payment details along with other details for bidding on e-Procurement portal of GOR.

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

**Note:**

1. Bidder (authorised signatory) shall submit their offer on-line in Electronic formats both for technical and financial proposal.
2. In case, any of the bidders fails to pay the Tender Fee, BSD, and RISL Processing Fee, online (subject to confirmation), its Bid shall not be accepted.
3. To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III) as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e. TCS, Safecrypt, Ncode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must register on <http://eproc.rajasthan.gov.in> (bidders already registered on <http://eproc.rajasthan.gov.in> before 30-09-2011 must register again).
4. JDA will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
5. Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.
6. Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&C, GoR on a regular basis. Bidders interested for training may contact e-Procurement Cell, DoIT&C for booking the training slot.  
Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: [eproc@rajasthan.gov.in](mailto:eproc@rajasthan.gov.in) Address : e-Procurement Cell, JDA, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur
7. The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.
8. No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder.
9. Procurement entity disclaims any factual/ or other errors in the bidding document (the onus is purely on the individual bidders to verify such information) and the information provided therein are intended only to help the bidders to prepare a logical bid-proposal.
10. The provisions of RTPPA Act 2012 and Rules 2013 thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPPA Act 2012 and Rules thereto, the later shall prevail.

(M. L. Jangid)  
Executive Engineer (PHE-I)  
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

## **Section A-1**

# **Instructions to Bidders**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

**TECHNICAL BID**

**(POST QUALIFICATION)**

**Envelop A**

**SCHEDULE AND SPECIFICATIONS**

Name of work :- **Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

- |                                     |                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------|
| 1. NIB No.                          | :- E.E.(PHE-I)/07/2020-21                                                                     |
| 2. Approximate cost                 | :- Rs. 396.75 Lacs                                                                            |
| 3. Cost of the tender documents     | :- Rs 1,000.00                                                                                |
| 4. Earnest Money                    | :- Rs. @ ½% Rs. 1,98,373.00<br>(For Contractors Enlisted in JDA, Jaipur –“A & AA”)            |
|                                     | :- Rs. @ 1 % Rs. 3,96,746.00<br>(For Contractors Enlisted in other Govt. Depts. –“A” & above) |
| 5. Sale of tender documents         | :- 01.12.2020 to 22.12.2020 (upto 06:00 PM)                                                   |
| 6. Date & Time of receiving tenders | :- 22.12.2020 (upto 06:00 P.M.)                                                               |
| 7. Date & Time of opening tenders   | :- 29.12.2020 at 3:00 P.M.                                                                    |
| 8. Completion period of work        | :- 12 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.** The work shall be carried out in accordance with the Rajasthan PWD, JDA (PHE) & PHED 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, GST registration, clearance certificate and copy of registration of contractor in required category are found to be in order. The Bid security, tender fee will be accepted through online payment only.**

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

The drawings may also be seen in the office of undersigned if any related to the work.

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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 **12 months.**

**SCHEDULE 'G' : ATTACHED SEPARATELY BASED ON JDA PHE AND PWD BSR JAIPUR.**

**SCHEDULE 'H' :: ATTACHED SEPARATELY.**

**SCHEDULE 'I' : SPECIAL TERMS & CONDITION FOR DRINKING WATER PIPE LINE WORKS/construction of TW works/construction of HP works : ATTACHED SEPARATELY.**

**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**

**Annexure E : DLP period for various type of works. Office order D-29 date 11.03.2016**

**SIGNATURE OF CONTRACTOR**

**EXECUTIVE ENGINEER (PHE-I)**

**Jaipur Development Authority,**

**Jaipur**

**with full address & Mobile No. :**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## **JAIPUR DEVELOPMENT AUTHORITY JAIPUR**

### **SPECIAL CONDITION OF THE CONTRACT FOR POST QUALIFICATION OF CONTRACTORS**

**Name of work : Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

Special conditions of contract for Potential Assessment Method 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 Pre- Qualification 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 2 Covers which shall comprise of –

Cover-1 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 opened online only of those bidders whose proper Earnest money, Tender fee, e-procurement fee, GST registration certificate and copy of registration of contractor in required category are found to be in order.
- (c) The Technical Bid would be opened online on the date 29.12.2020 at 3.00. PM
- (d) The Financial Bid would be opened only of those bidders who fulfill all the Pre-Qualification criteria.

**Note:- The bid will be opened only of those bidders deposit proper bid security, processing fee, tender fee, GST registration, clearance certificate and copy of registration of contractor in required category are found to be in order. The Bid security, tender fee will be accepted through online payment only.**

**2. Criteria:**

Criteria for POTENTIAL ASSESSMENT METHOD would be as follows:-

- (a) The bidder should have executed following quantities of work in during 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                                       | 33% (Major Item of Schedule – G) |
| Sewer line work |                                                                  |                                  |
| a               | Providing Laying & Jointing of Sewer Line Size of 200 mm & above | 5954 RM                          |
| b               | Construction of Precast RCC Manhole of various size              | 314 Nos.                         |
| c               | 110 mm dia uPVC SWR pipes                                        | 7079 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 during 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 five financial years (including current year, if opted by the bidder)

**Note :-**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- (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:

$$\text{Bid Capacity} = (A \times N \times 3 - B)$$

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 1.00  
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.

**4. 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.

**5. 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-I)  
JDA, Jaipur

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, 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 conditions 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. 396.75 Lacs**
- (c) **Earnest money** : **Rs. 3,96,746.00 @1% for enlisted contractors outside JDA (Class-"A & AA") and**  
: **Rs. 1,98,373.00 @1/2% within JDA enlistment (Class- "A & Above).**

(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 12 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-I,

## **Section A-2**

### **General Conditions of Contract**

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## **GENERAL CONDITIONS OF CONTRACT**

Copy of appendix XI of PWF&AR, Govt. of Rajasthan effective from 01.07.1999 & subsequent addendum upto 01.03.2012 in case of any typographical error or alteration the original version of the same shall be valid.

### **Clause 1: Security Deposit:**

"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. The earnest money deposited shall However, be adjusted while deducting security deposit.

A contractor may However, elect to furnish bank guarantee or any acceptable form of security for an amount equal to the deposit of 10% of the work order or at the time of executing the agreement. In that case earnest money may be refunded only after furnishing of the bank guarantee as above. During the execution of the work or after completion of the work, also a contractor may replace the security deposit by furnishing bank guarantee for an equal amount. However, during execution of the work if cost of works exceeds as shown at the time of furnishing bank guarantee, balance security deposit shall be deducted from the Running Account Bills".

All compensation or other sums of money payable by the Contractor to Government under the terms of his contract may be deducted from or paid by the sale of a sufficient part of his Security Deposit, or from interest arising there from, or from any sums, which may be due or may become due to the Contractor by the Government on any account whatsoever, and in the event of his Security Deposit being reduced by reason of any such deduction or sale as aforesaid, the Contractor shall within ten days thereafter, make good in cash Or Bank Guarantee or Nationalised/Scheduled bank, as aforesaid, any sum of sums which may have been deducted from or raised by sale of his Security Deposit or any part thereof.

In case of Bank Guarantee of any Nationalized/Scheduled Bank is furnished by the Contractor to the Government, as part of the Security Deposit and the bank goes into liquidation or, for any reason, is unable to make payment against the said Bank Guarantee, the loss caused thereby shall fall on the contractor and the Contractor shall forthwith, on demand, furnish additional security to the Government to make good the deficit.

The liability or obligation of the bank under the Guarantee Bond shall not be affected or suspended by any dispute between the Engineer-in-charge and the Contractor, and the payment, under the Guarantee Bond by the bank to the Government shall not wait till disputes and decided. The bank shall pay the amount under the Guarantee, without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the Contractor. The demand, so made, shall be conclusive as regards, to amount due and payable by the bank, under the guarantee limited to the amount specified in the guarantee Bond. The guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

The bank Guarantee shall remain valid upto the specified date unless extended on demand by the Engineer-in-charge, which shall include the period of completion of the contract and the defect removal period as per terms of the Agreement. Bank's liability shall, stand automatically discharged unless a claim in writing is lodged with the Bank within the period stated in the Bank Guarantee including the extended period. After satisfactory completion of the contract and clearance of all dues by the contractor, the Chief Engineer or duly authorized Engineer will discharge the Bank Guarantee after expiry of the original or the extended period, as the case may be. In case the date of expiry of the Bank Guarantee is a holiday, it will be deemed to expire on the close of the next working day.

Government is not concerned with any interest accruing to the Contractor on any form of Security (primary or collateral) lodged by him with the bank or any sums payable to sureties obtained by the Bank as counter guarantee to secure its own position. These will be the matters between the Bank and the Contractor.

### **Clause 2: Compensation for delay:**

The time allowed or carrying out the work, as entered in the tender, shall be strictly observed by the Contractor and shall be reckoned from the 10th day after the date of written order to commence the work given to the Contractor. If the contractor does not commence the work within the period specified in the work order, he shall stand liable for the forfeiture of the amount of Earnest Money, and Security Deposit. Besides, appropriate action may be taken by the Engineer-in-charge/competent authority to debar him from taking part in future tenders for a specified period or black list him. The work shall, through-out the stipulated period of completion of the contract, be proceeded with all due diligence, time being essence of the contract, on the part of the Contractor. To ensure good progress during the execution of work, the contractor shall be bound, in all cases in which the time allowed for any work exceeds one month (save for special jobs), to complete 1/8th of the whole of the work before 1/4th of the whole time allowed under the contract has elapsed, 3/8th of the work before 1/2 of such time has elapsed and 3/4th of the work before 3/4 of such time has elapsed. If the contractor fails to complete the work in accordance with this time schedule in terms of cost in money, and the delay in execution of work is attributable to the contractor, the contractor shall be liable to pay compensation to the Government at every time span as below:-

| (A) Time Span of full stipulated period                                                           | 1/4th<br>(..... days)                                                          | 1/2th<br>(.....days)                                                         | 3/4th<br>(..... days)                                                       | full<br>( ..... days)                                                                |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| (B) Work to be completed in terms of money                                                        | 1/8th<br>(Rs. ....)                                                            | 3/8th<br>(Rs. ....)                                                          | 3/4th<br>(Rs. ....)                                                         | full<br>( Rs. ....)                                                                  |
| (C) Compensation payable by the contractor for delay attributable to the contractor at the stage: | 2.5% of Scheduled work remained unexecuted on the last day of (1/4) time span. | 5% of Scheduled work remained unexecuted on the last day of (1/2) time span. | 7.5% Scheduled work remained unexecuted on the last day of (3/4) time span. | 10% of Scheduled work remained unexecuted on the last day of contracted full period. |

**Note:** In case delayed period over a particular span is split up and is jointly attributable to government and contractor the competent authority may reduce the compensation in proportion of delay attributable to Government over entire delayed period over that span after

## Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

clubbing up the split delays attributable to government and this reduced compensation would be (I) First time span is of 6 months, delay is of 30 days, which is split over as under:-

5 days (attributable to government) + days (attributable to contractor) + 5 days (attributable to government) + 5 days (attributable to contractor) + 5 days (attributable to government) + 5 days (attributable to contractor)

Total delay is thus clubbed to 15 days (attributable to government) and 15 days (attributable to contractor).

The normal compensation of 30 days as per clause 2 of agreement is 2.5% which can be reduced as 2.5 15/30 1.25" over 30 days with any escalation by competent authority.

The contractor shall, further, be bound to carry out the work in accordance with the date and quantity entered in the progress statement attached to the tender.

In case the delay in execution of work is attributable to the contractor, the span wise compensation, as laid down in this clause shall be mandatory. However, in case the slow progress in one time span is covered up within original stipulated period, then the amount of such compensation levied earlier shall be refunded. The Price escalation, if any, admissible under clause 45 of Conditions of Contract would be admissible only on such rates and cost of work, as would be admissible if work would have been carried out in that particular time span. The Engineer-in-Charge shall review the progress achieved in every time span, and grant stage wise extension in case of slow progress with compensation, if the delay is attributable to contractor, otherwise without compensation.

However, if for any special job, a time schedule has been submitted by the Contractor before execution of the agreement, and it is entered in agreement as well as same has been accepted by the Engineer-in-charge, the Contractor shall complete the work within the said time schedule. In the event of the Contractor failing to comply with this condition, he shall be liable to pay compensation as prescribed in forgoing paragraph of this clause provided that the entire amount of compensation to be levied under the provisions of this Clause shall not exceed 10% of the value of the contract. While granting extension in time attributable to the JDA, reasons shall be recorded for each delay.

### **Clause 3: Risk & Cost Clause**

The Engineer-in-charge or the Competent Authority defined under rules may, without prejudice to his rights against the Contractor, in respect of any delay or inferior workmanship or otherwise, or any claims for damages in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this Contract or otherwise, and whether the date for completion has or has not elapsed, by notice in writing, absolutely determine the Contract in any or the following cases:

(i) If the Contractor having been given by the Engineer-in-charge, a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in inefficient or otherwise improper or un-workman like manner shall omit to comply with the requirements of such notice for a period of seven days, thereafter, or if the Contractor shall delay or suspend the execution of the work so that either in the judgment of the Engineer-in-charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion or he has already failed to complete the work by that date,

(ii) If the Contractor, being a company, shall pass a resolution or the court shall make an order that the company shall be bound up or if a receiver or a manager, on behalf of a creditor, shall be appointed or if circumstance shall arise, which entitle the court or creditor to appoint a receiver or a manager or which entitle the court to make a winding up order,

(iii) If the contractor commits breach of any of the terms and conditions of the Contract,

(iv) If the contractor commits any acts mentioned in, clause 19 thereof.

When the Contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in charge on behalf of the J.D.A. shall have powers: -

(a) To determine or rescind the contract, as aforesaid (of which determination or rescission notice in writing to the Contractor under the hand of the Engineer-in charge shall be conclusive evidence), upon such determination or rescission, the earnest money, full security deposit of the contract and performance guarantee of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of JDA.

(b) To employ labour paid by the J.D.A. and to supply materials to carry out the work or any part of the work, debiting the Contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer-in-charge shall be final and conclusive against the contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates, as if it had been carried out by the Contractor under the terms of this Contract. The certificate of the Executive Engineer, as to the value of work done, shall be final and conclusive evidence against the Contractor provided always that action under the sub-clause shall only be taken after giving notice in writing to the Contractor. Provided also that; if the expenses incurred by the J.D.A. are less than the amount payable to the Contractor at his agreement rates, the difference shall not be payable to the Contractor.

(c) After giving notice to the contractor to measure up the work of the contractor and to take such part thereof, as shall be unexecuted out of his hands, and to give it to another contractor to complete, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor, if the whole work had been executed by him (of the amount of which excess, the certificate in writing of the Engineer-in-charge shall be final and conclusive) shall be borne and paid by the original Contractor and may be deducted from any money due to him by JDA under this contract or on any other account, whatsoever, or from his Earnest Money, Security Deposit, Performance Guarantee, Enlistment Security or the proceeds of sales thereof, or a sufficient part thereof, as the case may be. In the event of any one or more of the above courses being adopted by the Engineer-in-charge, the Contractor shall have no

**Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of contract. And, in case action is taken under any of provisions aforesaid, the Contractor shall not be entitled to recover or be paid, any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-charge has certified, in writing, the performance of such work and the value payable in respect thereof, and he shall only be entitled to be paid the value so certified.

**Clause 4: Contractor remains liable to pay compensation, if action not taken under clause 3**

(i) In any case in which any of the powers conferred by clause 3 hereof, shall have become exercisable and the same shall have not been exercised. The non-exercise, thereof, shall not constitute waiver of any of the conditions hereof, and such power shall, notwithstanding, be exercisable in the event of any future case of default by the Contractor for which, by any clause or clauses hereof, he is declared liable to pay compensation amounting to the whole of his Security Deposit/Performance Guarantee/Earnest Money/Enlistment security and the liability of the Contractor for past and future compensation shall remain unaffected.

**Power to take possession of, or require removal, sale of Contractor's plant**

(ii) In the event of the Engineer-in-Charge putting in force, powers vested in him under the preceding Clause 3 he may, if he so desires, take possession of all or any tools, plants, materials and stores, in or upon the works or the site, thereof or belonging to the contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account, at the contract rates or, in case of these not being applicable, at current market rates, to be certified by the Director Engineering or duly authorized Engineer (whose certificate thereof, shall be final and conclusive), otherwise the Engineer-in-Charge may, by notice in writing to the contractor or his clerk of the works, foreman or other authorized agent, require him to remove such tools, plant, materials or stores from the premises (within a time to be specified in such notice), and in the event of the contractor failing to comply with any requisition, the Director Engineering or other duly authorized Engineer may remove them at the contractor's expenses, or sell them by auction or private sale on account of the Contractor and at his risk in all respects, and the certificate of the Director Engineering or other duly authorized Engineer, as to the expense of any such removal, and the amount of the proceeds and expense of any such sale shall be final and conclusive against the Contractor.

**Clause 5: Extension of time**

If the contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other grounds, he shall apply, in writing, to the Engineer-in-Charge within 30 days of the date of the hindrance, on account of which he desires such extension as aforesaid, and the Authority Competent to grant extension under the rules/delegations of power or other duly authorized Engineer shall, if in his opinion, (which shall be final) reasonable grounds be shown thereof, authorize such extension of time, if any, as may, in his opinion, be necessary or proper. If the period of completion of contract expires before the expiry of the period of one month provided in this clause, the application for extension shall be made before the expiry of the period stipulated for completion of the contract. The competent authority shall grant such extension at each such occasion within a period of 30 days of receipt of application from contractor and shall not wait for finality of work. Such extensions shall be granted in accordance with provisions under clause (2) of this agreement.

**Clause 5 A: Monthly Return of Extra Claims**

Contractor has to submit a return every month for any work claimed as extra. The Contractor shall deliver the return in the office of the Executive Engineer and obtain Receipt Number of the Receipt Register of the day on or before 10th day of every month during the continuance of the work covered by this contract, a return showing details of any work claimed as extra by the contractor which value shall be based upon the rates and prices mentioned in the contract or in the Schedule of Rates in force in the District for the time being. The contractor shall be deemed to have waived all claims, not included in such return, and will have no right to enforce any such claims not included, whatsoever be the circumstances.

**Clause 6: Final Certificate**

On completion of the work, the contractor shall send a registered notice to the Engineer-in-charge, giving the date of completion and sending a copy of it to the officer accepting the contract, on behalf of the Governor and shall request the Engineer-in-charge to give him a certificate of completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the site on which the work shall be executed, all scaffolding, surplus materials and rubbish and cleared off the dirt from all wood work, doors, walls, floors, or other parts of any building in, upon or about which the work is to be executed or of which he may have possession for the execution thereof, he had filled up the pits. If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and cleaning off dirt and filling of pits on or before the date fixed for completion of the work, the Engineer-in-charge may, at the expense of the contractor, remove such scaffolding, surplus materials, and the rubbish and dispose of the same, as he thinks fit, and clean off such dirt and fill the pits, as aforesaid, and the contractor shall forthwith pay the amount of all expenses, so incurred, and shall have no claim in respect of any such scaffolding or surplus materials, as aforesaid, except for any sum actually realized by the sale thereof. On completion, the work shall be measured by the Engineer-in-charge himself or through his subordinates, whose measurements shall be binding and conclusive against the contractor. Provided that, if subsequent to the taking of measurements by the subordinate, as aforesaid, the Engineer-in-charge had reason to believe that the measurements taken by his subordinates are not correct, the Engineer-in-charge shall have the power to cancel the measurements already taken by his subordinates and acknowledged by the Contractor and to take measurements again, after giving reasonable notice to the Contractor, and such re-measurements shall be binding on the Contractor.

Within thirty days of the receipt of the notice, Engineer-in-charge shall inspect the work and if there are no visible defects on the face of the work, shall give the Contractor, a certificate of completion. If the Engineer-in-charge finds that the work has been fully completed, it shall be mentioned in the certificate so granted. If, on the other hand, it is found that there are certain visible defects to be removed, the certificate to be granted by Engineer-in-charge shall specifically mention the details of the visible defects along with the estimate of the cost for removing these defects. The final certificate of work shall be given after the visible defects pointed out as above

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

have been removed.

**Clause 7: Payment on Intermediate Certificate to be regarded as advance**

No payments shall be made for *works estimated to cost less than rupees twenty five Thousands*, till after the whole of the works shall have been completed and a certificate of completion given. But in the case of works *\_estimated to cost more than rupees twenty five thousand*, the Contractor shall on submitting the bill therefore, be entitled to receive a monthly payment proportionate to the part, thereof, then approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of sum, so payable, shall be final and conclusive. The Running Account Bill shall be paid within 15 days from presentation. But all such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the requiring of bad, unsound and imperfect or unskillful work to be removed and taken away and re-constructed or re-erected, or considered as an admission of the due performance of the contract, or any part thereof, in any respect, or the accruing of any claim, nor shall it conclude, determine, or effect in any way the powers of the Engineer-in-charge under these conditions or any of them to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be made/submitted by the Contractor within one month of the date fixed for completion of the work, otherwise the Engineer-in-charge's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

**Clause 7A: Time Limit for Payments of Final Bills**

The final bill shall be paid within 3 months on presentation by the contractor after issuance of final completion certificate in accordance with clause 6 of the conditions of contract. If, there shall be any dispute about any item(s) of the work, then the undisputed item(s) only, shall be paid within the said period of 3 months. If a final bill (which contains no disputed item or disputed amount of any item) is not paid within the period of three months from presentation of final bill or 6 months from the date of receipt of registered notice regarding completion of work in accordance with clause 6 of the conditions of the contract, the defects, if any, shall be brought to the notice of the higher authority. The period of 3 months shall commence from the date of rectification of the defects. The higher authority shall ensure that in no case final bill should be left unpaid after 9 months from the receipt of registered notice regarding completion of work. The contractor shall submit a memorandum of the disputed items along with justification in support within 30 days from the disallowance thereof, and if he fails to do so, his claims shall be deemed to have been fully waived and absolutely extinguished.

**Clause 8: Bills to be submitted monthly**

A bill shall be submitted by the Contractor each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose of having the same verified and the claim, as far as admissible, authorized or paid, if possible, before the expiry of ten days from the presentation of the bill. If the Contractor does not submit the Bill within the time fixed, as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the Contractor, whose signature in the Measurement Book will be sufficient warrant and the Engineer-in-charge may prepare a bill from such Measurement Book, which shall be binding on the contractor in all respects.

**Clause 8A: Contractor to be given time to file objection to the Measurements recorded by the J.D.A.**

Before taking any measurement of any work, as have been referred to in preceding Clauses 6, 7 & 8, the Engineer-in-charge or a subordinate, deputed by him, shall give reasonable notice to the Contractor. If the Contractor fails to be present at the time of taking measurements after such notice or fails to sign or to record the difference within a week from the date of measurement in the manner required by the Engineer-in-charge, then in any such event, the measurements taken by the Engineer-in-charge or by the subordinate deputed by him, as the case may be, shall be final and binding on the Contractor and the Contractor shall have no right to dispute the same.

**Clause 8B: Recovery of cost of preparation of the bill:**

In case of Contractors of Class "A" and "AA" do not submit the bill with time fixed, the Engineer-In-Charge may prepare the bill as per provision of Clause 8 of the condition of contract but deduction @ 0.5<sup>A</sup> of amount of such a bill shall be made and credited to the general revenue on account of preparation of bill.

**Clause 9: Bills to be on printed forms**

The Contractor shall submit all bills on the printed forms, to be had on application, at the office of the Engineer-in-charge and the charges in the Bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender, at the rates hereinafter provided for such work.

**Clause 9A: Payments of Contractor's Bills to Banks**

Payments due to the Contractor may if so desired by him, be made to this Bank instead of direct to him, provided that the contractor has furnished to the Engineer-in-Charge (i) an authorization in the form of a legally valid document, such as a Power of Attorney conferring authority on the Bank to receive payments, and (ii) his own acceptance of the correctness of the account made out, as being due to him, by JDA, or his signature on the bill or other claim preferred against JDA before settlement by the Engineer-in-Charge of the account or claim, by payment to the Bank. While the receipt given by such bank shall constitute a full and sufficient discharge for the payment, the Contractor should, whenever possible, present his bill duly receipted and discharged through his Banker. Nothing, herein constrained, shall operate to create in favour of the Bank any rights vis-à-vis the Governor.

**Clause 10 – Stores supplied by JDA**

If the specification or estimate of the work provides for the use of any special description of material, to be supplied from

## Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

Engineer-in-charge's stores, or if, it is required that contractor shall use certain stores to be provided by the Engineer-in-charge specified in the schedule or memorandum hereto annexed, the Contractor shall be bound to procure and shall be supplied such materials and stores as are, from time to time, required to be used by him for the purpose of the contract only, and the value of the full quantity of materials and stores, so supplied; at the rates specified in the said schedule or memorandum, may be set off or which may be deducted from any sum, then due or thereafter become due, to the contractor under the contract or otherwise or against or from the Performance Guarantee and or Security Deposit or the proceeds of sale, if the same is held in JDA securities, the same or a sufficient portion thereof being in this case, sold for this purpose. All materials supplied to the Contractor, either from departmental stores or with the assistance of JDA, shall remain the absolute property of JDA. The Contractor shall be the trustee of the Stores/Materials, so supplied/procured, and these shall not, on any account, be removed from the site of work and shall be, all times, open to inspection by the Engineer-in-charge. Any such material, unused and in perfectly good condition at the time of completion or determination or rescinding of the contract, shall be returned to the JDA's Stores, if by a notice in writing under his hand, he shall so require, and if on service of such notice, the contractor fails to return the materials, so required, he shall be liable to pay the price of such materials in accordance with the provision of Clause 10 B ibid. But the Contractor shall not be entitled to return any such materials, unless with such consent, and shall have no claim for compensation on account of any such materials, so supplied to him as aforesaid being unused by him, or for any wastage in or damage to any such materials. For the stores returned by the Contractor, he shall be paid for, at the price originally charged excluding storage charges, in case of materials supplied from JDA stores and actual cost including freight, cartage, taxes etc., paid by the Contractor in case of supplies received with the assistance of JDA which, however, should in no case exceed market rate prevailing at the time the materials are taken back. The decision of the Engineer-in-charge, as to the price of the stores returned, keeping in view its condition etc., shall be final and conclusive. In the event of breach of the aforesaid condition, the Contractor shall, in addition to throwing himself open to account for contravention of the terms of the license or permit and/or for criminal breach of trust, pay to the JDA, all advantages or profits resulting, or which in the usual course, would result to him by reason of such breach. Provided that the Contractor shall, in no case be entitled to any compensation or damage on account of any delay in supply, or non-supply thereof, all or any such materials and stores.

### **Clause 10A: Rejection of materials procured by the Contractor**

The Engineer-in-Charge shall have full powers to require the removal from the premises of all materials which in his opinion, are not in accordance with the specifications and, in case of default, the Engineer-in-Charge shall be at liberty to employ other person(s) to remove the same without being answerable or accountable for any loss of damage, that may happen or arise to such materials to be substituted thereof, and in case of default, Engineer-in-Charge may cause the same to be supplied and all costs, which may attend such removal and substitution, are to be born by the Contractor.

### **Clause 10 B: Penal rate in case of excess consumption:**

The Contractor shall also be charged for the materials consumed in excess of the requirements calculated on the basis of standard consumption approved by the department at double of the issue rate including storage and supervision charges or market rate which ever is higher. A Material Supply and Consumption Statement in prescribed Form RPWA 35 A shall be submitted with every Running Account Bill, distinguishing material supplied by the JDA and material procured by the Contractor himself. The recovery for such material shall be made from Running Account Bill next after the consumption and shall not be deferred. Certificate of such nature shall be given in each Running Account Bill.

### **Clause 10 C: Hire of Plant and Machinery:**

Special Plant and Machinery, required for execution of the work, may be issued to the Contractor, if available, on the rates of hire charges and other terms and conditions as per department Rules, as per Schedule annexed to these conditions. Rates of such Plant & Machinery shall be got revised periodically so as to bring them at par with market rate.

### **Clause 11: Works to be executed in accordance with specifications, Drawings, Orders etc.**

The Contractor shall execute the whole and every part of the work in the most substantial and satisfactory manner and both as regards materials and otherwise in every respect, in strict accordance with the Specifications. The Contractor shall also conform exactly fully and faithfully to the designs, drawings (either designed by J.D.A. or designed by contractor and approved by Engineer-in-charge during execution) and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access at such office or on the site of the work for the purpose of inspection during office hours and the Contractor shall, if he so require, be entitled, at his own expense, to make or cause to be made copies of specifications and of all such designs, drawings and instructions, as aforesaid. A certificate of executing works as per approved design etc. shall be given on each Running Account Bill.

The specifications of work, material, and methodology of execution, drawings and designs shall be signed by the Contractor and Engineer-in-charge while executing agreement and shall form part of agreement.

### **Clause 12:**

The Engineer-in-charge shall have power to make any alterations in or additions to or substitutions for the original specification, drawings, designs and instructions, that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-charge and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work, which the contractor may be directed to do in the manner above specified as part of the work, shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work, and the certificate of the Engineer-in-charge shall be conclusive as to such proportion. The rates for such additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order:

- (i) If the rates for the additional, altered or substituted work are specified in the contract for the work, the contractor is bound to carry out

**Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

- the additional, altered or substituted work at the same rates as are specified in the contract for the work.
- (ii) If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for a similar class of work as are specified in the contract for the work.
  - (iii) If the rates for the altered, additional or substituted work can not be determined in the manner specified in the sub-clauses (i) to (ii) above, then the rates for such composite work item shall be worked out on the basis of the concerned Schedule of Rates of the District/area specified which the total tendered amount bears to the estimated cost of the entire work put to tender. Provided always that if the rate for a particular part or parts of the item is not in the Schedule of Rates, the rate for such part or parts will be determined by the Engineer-in-Charge on the basis of the prevailing market rates when the work was done.
  - (iv) If the rates for the altered, additional or substituted work item can not be determined in the manner specified in sub-clauses (i) to (iii) above, then the contractor shall within 7 days of the date of receipt of order to carry out the work, inform the Engineer-in-Charge of the rate which it is his intention to charge for such class of work supported by analysis of the rate or rates claimed and the Engineer-in-Charge shall determine the rate or rates on the basis of prevailing market rates, and pay the contractor accordingly. However, the Engineer-in-Charge, by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the contractor shall suspend the work on the plea of non-settlement of rates on items falling under the clause.
  - (v) Except in case of items relating to foundations, provisions contained in sub-clauses (i) to (iv) above shall not apply to contract or substituted items as individually exceed the percentage set out in the tender documents under clause 12.A.

**For the purpose of operation of clause 12 (v) the following works shall be treated as work relating to foundations:-**

- (a) For buildings, compound wall plinth level or 1.2 meters (4 ft.) above ground level whichever is lower, excluding items above flooring and D.P.C. but including base concrete below the floors.
- (b) For abutments, piers, retaining wall of culverts and bridges, walls of water reservoir and the bed of floor level.
- (c) For retaining walls, where floor levels is not determinate 1.2 meters above the average ground level or bed level.
- (d) For roads, all items of excavation and filling including treatment of sub base and soling work.
- (e) For water supply lines, sewer lines under storm water drains and similar work, all items of work below ground level except items of pipe work for proper masonry work.
- (f) For open storm water drains, all items of work except lining of drains.
- (g) Any other items of similar nature which Engineer-in-Charge may decide relating to foundation.

The rate of any such work, except the items relating to foundations, which is in excess of the deviation limit, shall be determined in accordance with the provisions contained in Clause 12A.

**Clause 12A:**

The quantum of additional work for each item shall not exceed 50% of the original quantity given in the agreement and the total value of additional work shall not exceed 20% of the total contract value, unless otherwise mutually agreed by the Engineer-in-charge and the Contractor. This limit shall not be applicable on items relating to foundation work which shall be executed as per original rates or provision of clause 12 (i) to (iv).

In case of contract substituted items or additional items, which results in exceeding the deviation limit laid down in this clause except items relating to foundation work, which the contractor is required to do under clause 12 above, the contractor shall within 7 days from the receipt of order, claim revision of the rate supported by proper analysis in respect of such items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provision of sub clause (ii) of clause 12 and the Engineer-in-Charge, may revise their rates having regard to the prevailing market rates and the contractor shall be paid in accordance with the rates so fixed. The Engineer-in-Charge shall, however, be at liberty to cancel his order to carry out such increased quantities of work by giving notice in writing to the contractor and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the contractor shall suspend the work on the plea of non-settlement of rates of items failing under this Clause.

All the provisions of the preceding paragraph shall equally apply to the decrease in rates of items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provisions of sub-clause(ii) of the preceding clause 12 and the Engineer-in-Charge may revise such rates having regard to the prevailing market rates unless otherwise mutually agreed by the Engineer-in-Charge and the Contractor..

**Clause 13: No compensation for alteration in or restriction of work to be carried out.**

If, at any time after the commencement of the work the JDA shall, for any reason, whatsoever, not require the whole work, thereof, as specified in the tender, to be carried out, the Engineer-in-charge shall give notice, in writing, of the fact to the Contractor, who shall have no claim to any payments or compensation, whatsoever, on account of any profit or advantage, which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the work not having been carried out. Neither, shall he have any claim for compensation by reason of alterations having been made in the original specifications, drawings, and design, and instructions, which shall involve any curtailment of the work, as originally contemplated. Provided, that the Contractor shall be paid the charges for the cartage only, of materials actually brought to the site of the work by him for bonafide use and rendered surplus as a result of the abandonment or curtailment of the work or any portion thereof, and taken them back by the Contractor, provided however, that the Engineer-in-charge shall have, in all such cases, the option of taking over all or any such materials at their purchase price or at local

**Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

market rates whichever may be less. In the case of such stores, having been issued from JDA Stores, charges recovered, including storage charges shall be refunded after taking into consideration any deduction for claim on account of any deterioration or damage while in the custody of the contractor, and in this respect the decision of the Engineer-in-charge shall be final.

**Clause 14: Action and compensation payable in case of bad work**

If, it shall appear to the Director Engineering or any authorized authority or the Engineer-in-charge or his subordinates in-charge of the work, or to the committee of the retired officers/officers appointed by the J.D.A. JDA for the purpose that any work has been executed with unsound, imperfect or unskillful workmanship, or with material of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted, or otherwise not in accordance with contract, the Contractor shall on demand in writing from the Engineer-in-charge, specifying the work/materials or articles complained of, notwithstanding that the same may have been inadvertently passed, certified and paid for, will rectify or remove and reconstruct the work, so specified, in whole or in part, as the case may be, remove the materials or articles, so specified, and provide other proper and suitable materials or articles at his own cost, and in the event of his failing to do so, within a period to be specified by the Engineer-in- Charge in his demand as aforesaid, then the Contractor shall be liable to pay compensation at the rate of one percent, on the tendered amount of work for every week not exceeding ten percent, while his failure to do so shall continue, and in the case of any such failure, the Engineer-in-Charge may rectify or remove and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be, at the risk and expense, in all respects of the contractor.

**Clause 15: Work to be opened to inspection: Contractor or his responsible Agent to be present**

All work, under or in course of execution or executed in pursuance of the contract shall, at all times, be opened for inspection and supervision of the Engineer-in-charge and his superior officers and his subordinates and any other authorized agency of the JDA and the contractor shall, at all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer-in-charge or his subordinate and any other authorized agency of JDA or committee of retired officers/officers appointed by the JDA for the purpose to visit the works shall have been given to the Contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for the purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

**Clause 16: Notice to be given before any work is covered up**

The Contractor shall give not less than 7 days notice, in writing, to the Engineer-in-charge or his subordinate-in-Charge of the work, before covering up or otherwise placing beyond the reach of measurement, any work in order that the same may be measured, and correct dimensions thereof, be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in- Charge of the work, and if, any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the Contractor's expense or in default, thereof, no payment or allowance shall be made for such work, or for the materials with which the same was executed.

**Clause 17: Contractor liable for damage done and for imperfections**

If the Contractor or his work people or servants shall break, deface, injure or destroy any part of a building, in which they may be working or any building, road, fence, enclosure, or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work, while in progress, from any cause, whatsoever, or any imperfections become apparent in it, within a period specified in clause 37, after a certificate, final or otherwise of its completion, shall have been given by the Engineer-in-charge, may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-charge shall be final) from any sums that may be then, or at any time thereafter, may become due to the Contractor, or from his security deposit, or the proceeds of sale thereof, or of a sufficient portion thereof.

**Clause 18: Contractor to supply plant, ladders, scaffolding etc.**

The Contractor shall arrange and supply, at his own cost, all material (except such special materials, if any, as may, in accordance with the contract, be supplied from the Engineer-in-charge's stores), plants, tools, appliances, implements, ladders, cordage, tackle, scaffolding and temporary works requisite or proper for the proper execution of the work, whether original, altered, or substituted, and whether included in the specification or other documents, forming part of the Contract, or referred to in these conditions, or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer in- Charge, as to any matter as to which, under these conditions, he is entitled to be satisfied or which he is entitled to require, together with carriage thereof, to and from the work. The Contractor shall also arrange and supply, without charge, the requisite number of persons with the means and materials, necessary for the purpose of setting out work and counting, weighting and assisting in the measurement or examination at any time and from time to time of the work, or materials. Failing his so doing, the same may be provided by the Engineer-in-charge, at the expense of the Contractor, and the expenses may be deducted from any money due to the Contractor under the Contract, or from his Performance Guarantee and/or Security Deposit or the proceeds of sale thereof, or a sufficient portion thereof. The Contractor shall also provide all necessary fencing and lights required to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceeding at law, that may be brought by any person for injury sustained owing to neglect of the above precautions, and to pay any damages and costs which may be awarded in any such suit, action proceeding to any such person or which may, with the consent of the Contractor, be paid to compromise any claim by any such person.

**Clause 19: Contract may be rescinded and Security Deposit and Performance Forfeited for bribing or if Contractor becomes insolvent.**

If the Contractor become insolvent, or commence any insolvency proceedings or make any composition with his creditors, or attempt so to do, or if any bribe, gratuity, gift, loan requisite reward or advantage, pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the Contractor or any of his servants or agents to any public officer or person, in the employ of JDA, in any way, relating to his office or employment, or if, any such officer or person shall become, in any way, directly or indirectly, interested in the

**Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.**

contract, the Director Engineering may, thereupon, by notice, in writing, rescind the contract and Performance Guarantee and Security Deposit of the Contractor shall, thereupon, stand forfeited and be absolutely at the disposal of JDA and the same consequences shall ensue as, if the contract had been rescinded under Clause 3 hereof, and in addition the Contractor shall not be entitled to recover or be paid for any work therefor, actually performed under the Contract.

**Clause 20: Sums payable by way of compensation to be considered as reasonable compensation without reference to actual loss**

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of JDA without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

**Clause 21: Changes in constitution of firm**

Where the Contractor is a partnership firm, previous approval, in writing, of the Engineer-in-charge shall be obtained before any change is made in the constitution of the firm. Where the Contractor is an individual or a Hindu undivided family business concern, such approval, as aforesaid, shall likewise be obtained before the Contractor enters into any partnership agreement thereunder the partnership firm would have the right to carry out the work hereby undertaken by the Contractor. If, previous approval, as aforesaid, is not obtained, the Contract shall be deemed to have been assigned in contravention of Clause 19 hereof, and the same action may be taken, and the same consequences shall ensue, as provided in the said clause 19.

**Clause 22: Work to be under direction of Engineer-in-charge**

All the works, to be executed under the contract, shall be executed under the direction and subject to the approval, in all respect, of the Engineer-in-charge of the Government of Rajasthan for the time being, who shall be entitled to direct, at what point or points, and in what manner, they are to be commenced, and from time to time, carried on.

**Clause 23: Standing Committee for Settlement of Disputes**

If any question, difference or objection, whatsoever shall arise in any way, in connection with or arising out of this instrument, or the meaning of operation of any part thereof, or the rights, duties or liabilities of either party then, save in so far, as the decision of any such matter, as herein before provided for, and been so decided, every such matter constituting a total claim of Rs. 50,000/- or above, whether its decision has been otherwise provided for and whether it has been finally decided accordingly, or whether the Contract should be terminated or has been rightly terminated, and as regards the rights or obligations of the parties, as the result of such termination, shall be referred for decision to the empowered Standing Committee, which would consist of the followings:-

- (i) Commissioner , J.D.A.
- (ii) Secretary, J.D.A.
- (iii) Director Engineering ( Member Secretary ), J.D.A.
- (iv) Director , Finance, J.D.A.
- (vi) Director , Law, J.D.A.

The Engineer-in-charge, on receipt of application along with non-refundable prescribed fee, (the fee would be two percent of the amount in dispute, not exceeding Rs. one lac) from the Contractor, shall refer the disputes to the committee, within a period of one month from the date of receipt of application.

Procedure and Application for referring cases for settlement by the Standing Committee shall be, as given in Form RPWA 90.

**Clause 23A: Contractor to indemnify for infringement of Patent or design**

Contractor shall fully indemnify the J.D.A. against any action, claim or proceeding, relating to infringement or use of any patent or design, or any alleged patent or design, rights, and shall pay any royalties, which may be payable in respect of any article or part thereof, included in the contract, in the event of any claims made under or action brought against JDA. In respect of any such matters, as aforesaid, the Contractor shall be, immediately, notified thereof, and the Contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation, that may arise there from provided that the Contractor shall not be liable to indemnify the J.D.A., if the infringement of the patent or design or any alleged patent or design, right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

**Clause 24: Imported Store articles to be obtained from JDA :**

The Contractor shall obtain from the stores of the Engineer-in-charge, all imported store articles, which may be required for the work or any part thereof, or in making up articles required thereof, or in connection therewith, unless he has obtained permission in writing, from the Engineer-in-charge, to obtain such stores and articles from elsewhere. The value of such stores and articles, as may be supplied to the Contractor by the Engineer-in-charge, will be debited to the Contractor, in his account, at the rates shown in the schedule attached to the contract, and if they are not entered in the schedule, they will be debited at cost price, which for the purposes of this contract, shall include the cost of carriage and all other expenses, whatsoever, which shall have been incurred in obtaining delivery of the same at the stores aforesaid plus storage charges.

**Clause 25: Lump-sums in estimates**

## Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

When the estimate, on which a tender is made includes lump sums, in respect of parts of the work, the Contractor shall be entitled to payment in respect of the item of work involved, or the part of the work in question at the same rates, as are payable under the contract for such items or if the part of the work in question is not, in the opinion of the Engineer-in-charge, capable of measurement, the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer-in-charge shall be final and conclusive with regard to any sum or sums payable to him under the provisions of this clause.

### **Clause 26: Action where no Specification**

In case of any Class of work for which there is no such specification as is mentioned in the contract document such work shall be carried out in accordance with the detailed specification of the J.D.A. and also in accordance with the instructions and requirement of the Engineer-in-charge.

### **Clause 27: Definition of work**

The expression "works" or "work" where used in these conditions, shall, unless there be some thing either in subject or context, repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed, whether temporary or permanent, and whether original, altered, substituted or additional.

### **Clause 27A: Definition of Engineer-in-charge**

The term "Engineer-in-charge" means the Executive Engineer who shall supervise and be incharge of the work and who shall sign the contract on behalf of the JDA.

### **Clause 28:**

It can not be guaranteed that the work will be started immediately after the tenders have been received. No claims for increase of rate will be entertained, if the orders for starting work are delayed.

### **Clause 29: Payments at reduced rates on account of items of work not accepted and not completed to be at the discretion of the Engineer-in-charge**

The rates for several items of works, estimated to cost more than Rs. 1,000/-, agreed within, will be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In cases, where the items of work are not accepted, as so completed, the Engineer-in-charge may make payment on account of such items, at such reduced rates, as he may considers reasonable, in the preparation of final or on account bills, and his decision in the matter shall be final and binding.

### **Clause 29A: Payments at part rates**

The rates for several items of works may be paid at part rates provisionally in running bills in proportion to the quantum of items executed at the discretion of Engineer-in-charge. In case of item rates, if the rate quoted for certain items are very high in comparison to the average/overall tendered premium, and then the payment at running stages shall not be made more than the average sanctioned premium. The deferred payment, will however be released after successful completion of the work.

### **Clause 30: Contract's percentage, whether applied to net or gross amount of bill**

The percentage referred to in the "Tender for works" will be deducted / added from / to the gross amount of bill before deducting the value of any stock issued.

### **Clause 31: Contractor to adhere to labour laws/regulation**

The Contractor shall adhere to the requirements of the Workmen's Compensation Act and Labour Legislation in force from time to time and be responsible for and shall pay any compensation to his workmen which would be payable for injuries under the Workmen's Compensation Act, here-in-after called the said Act. If such compensation is paid by the J.D.A. as Principal employer under Sub Section (1) of section 12 of the said Act, on behalf of the Contractor, it shall be recoverable by the J.D.A. from the Contractor under Sub Section (2) of the said section. Such compensation shall be recovered in the manner laid down in clause 1 of the Conditions of Contract.

### **Clause 32: Withdrawal of work from the Contractor**

If the Engineer-in-charge shall at any time and for any reasons, whatever, including inability to maintain prorata progress, think any portion of the work should not be executed or should be withdrawn from the Contractor, he may, by notice in writing to that effect, require the Contractor not to execute the portion of the work specified in the notice, or may withdraw from the Contractor the portion of work, so specified, and the Contractor shall not be entitled to any compensation, by reason of such portion of work having been withdrawn from him. The Engineer-in-charge may supplement the work by engaging another agency to execute such portion of the work at the cost of the original contractor, without prejudice to his rights under clause 2. He shall also be competent to levy compensation for delay in progress. The recovery of excess cost shall be made from next available running bill or any other claim and shall not be deferred.

### **Clause 33:**

The Contract includes clearance, leveling and dressing of the site within a distance of 15 meters of the building on all sides except where the building adjoins another building.

### **Clause 34: Protect works**

## Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

The Contractor shall arrange to protect, at his own cost, in an adequate manner, all cut stone work and other work, requiring protection and to maintain such protection, as long as work is in progress. He shall remove and replace this protection, as required by the Engineer-in-Charge, from time to time. Any damage to the work, so protected, no matter how it may be caused, shall be made good by the Contractor free of cost.

All templates, forms, moulds, centering, false works and models, which in the opinion of the Engineer-in-Charge, are necessary for the proper and workman like execution of the work, shall be provided by the Contractor free of cost.

### **Clause 35: Contractor liable for settlement of claims caused by his delays**

If the progress of the work has fallen so much in arrears as to prevent other contractors on the work, from carrying out their part of the work within the stipulated time, he will be liable for the settlement of any claim, put in by any of these contractors for the expenses of keeping their labour unemployed, to the extent considered reasonable by the Engineer-in-Charge.

### **Clause 36A:**

The liability, if any, on account of quarry fees, royalties, octroi and any other taxes and duties in respect of materials actually consumed on public work, shall be borne by the Contractor.

### **Clause 36B:**

The cost of all water connections, necessary for the execution of work, and the cost of water consumed and hire charges of meters and the cost of electricity consumed in connection with the execution of work, shall be paid by the Contractor, except where otherwise specifically indicated.

### **Clause 36C: Payment of Sales Tax, and any other Taxes**

Royalty or other tax on materials, issued in the process of fulfilling contract, payable to the JDA under rules in force, will be paid by the Contractor himself.

### **Clause 36D:**

In respect of goods and materials procured by the Contractor, for use in works under the contract, sales tax will be paid by the Contractor himself. But in respect of all such goods manufactured and supplied by the Contractor and works executed under the contract, the responsibility of payment of sales tax would be that of the Engineer-in-charge.

### **Clause 37: Refund of Performance Guarantee and Security Deposit**

The Security Deposit will be refunded after the expiry of the period, as prescribed below:

**Performance Guarantee/Security Deposit shall be refunded as per Annexure-E (Enclosed).**

### **Clause 38: Fair Wage Clause**

- (a) The Contractor shall pay not less than fair wages/minimum wages to labourers engaged by him on the work as revised from time to time by the JDA, but the JDA shall not be liable to pay any thing extra for it except as stipulated in price escalation clause (clause 45) of the agreement.

**Explanation:** "Fair Wage" means minimum wages for time or piece work, fixed or revised, by the J.D.A. JDA under Minimum Wages Act, 1948.

- (b) The Contractor shall, **notwithstanding the provisions** of any contract to the contrary, cause to be paid fair wages to laborers indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work as if the laborers have been immediately or directly employed by him.
- (c) In respect of all laborers immediately or directly employed on the work, for the purpose of the Contractor's part of this agreement, the Contractor shall comply with or cause to be complied with the Public Works J.D.A. Contract's Labour Regulations made, or that may be made by the JDA, from time to time, in regard to payment of wages, wages period, deductions from wages, recovery of wages not paid, and unauthorized deductions, maintenance of wages register, wage card, publication or scale of wages and other terms of employment, inspection and submission of periodical returns and other matters of a like nature.
- (d) The Engineer-in-charge shall have right to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers, by reasons of non-fulfillment of the conditions of the contract, for the benefit of the worker or workers, non-payment of wages or of deductions made there from, which are not justified by the terms of the contract, or as a result of non-observance of the aforesaid regulations.
- (e) Vis-à-Vis the JDA of Rajasthan, the Contractor shall be primarily liable for all payments to be made and for the observance of the regulations aforesaid, without prejudice to his right to claim indemnity from his sub-contractors.
- (f) The regulations, aforesaid, shall be deemed to be part of this contract and any breach, thereof, shall be deemed to be breach of the Contract.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Clause 39: Contractor to engage technical staff**

The Contractor shall engage the technical staff, as follows, on the contract works:

- (a) For works costing Rs. 100 lac and above – One Graduate Engineer
- (b) For works costing between Rs. 50 lac to Rs. 100 lac - One qualified diploma holder having experience of not less than 3 years.
- (c) For works costing between Rs. 15 lac and Rs. 50 lac - One qualified diploma holder

The technical staff should be available at site, whenever required by Engineer-in-charge to take instructions.

**Clause 39 A:**

The Contractor shall comply with the provisions of the Apprenticeship Act, 1961, and the Rules and Orders issued, hereunder, from time to time. If he fails to do so, his failure will be a breach of contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

**Clause 40: Safety code**

The Contractor shall follow the safety code (s) of the works and specified in the special conditions of the work.

**Clause 41: Near Relatives barred from tendering**

The Contractor shall not be permitted to tender for works in Circle, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Additional Chief / Circle Engineer and Sector Engineer (both inclusive). He shall also intimate the names of persons, who are working with him in any capacity, or are subsequently employed by him and who are near relatives to any gazetted officer in the Organization/J.D.A... Any breach of this condition by the Contractor would render him liable to be removed from the approved list of contractors of the J.D.A. If such facts are noticed (a) before sanction of tender, his offer shall be declared invalid and earnest money shall be forfeited, (b) after sanction of the tender then the tender sanctioning authority may at his discretion forfeit his earnest money, performance guarantee, security deposit and enlistment deposit and work/remaining work may allot to any registered contractor on the same rates as per rules.

Note: By the term "**near relative**" is meant wife, husband, parents, and grand-parents, children and grand children, brothers and sisters, uncles and cousins and their corresponding in-laws.

**Clause 42: Retired Gazetted Officers barred for 2 years**

No Engineer of Gazetted rank or other Gazetted officer, employed in Engineering or Administrative duties in an Engineering J.D.A. of the JDA of Rajasthan, is allowed to work as a Contractor for a period of 2 years of his retirement from JDA service without the previous permission of JDA of Rajasthan. This contract is liable to be cancelled, if either the Contractor or any of his employees is found, at any time, to be such a person, who had not obtained the permission of JDA, as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

**Clause 43: Quality Control**

The JDA shall have right to exercise proper Quality Control measures. The Contractor shall provide all assistance to conduct such tests.

**Clause 43 A:**

The work (whether fully constructed or not) and all materials, machines, tools and plant, scaffolding, temporary buildings and other things connected therewith, shall be at the risk of the contractor until the work has been delivered to the Engineer-in-charge, and a certificate from him, to the effect, obtained.

**Clause 44: Death of Contractor**

Without prejudice to any of the rights or remedies under the contract, if the Contractor dies the legal heirs of the Contractor or the Director Engineering or duly authorized Engineer shall have the option of terminating the contract without any compensation.

**Clause 45: Price Variation Clause:**

If, during the progress of the contract of value exceeding Rs. 50.00 lac (accepted tendered amount minus cost of material supplied by the department), and where stipulated completion period is more than 03 months (both the conditions should be fulfilled), the price, of any materials/bitumen/diesel and petrol / cement / steel incorporated in the works (not being materials to be supplied by the department) and / or wages of labour increases or decreases, as compared to the price and / or wages prevailing at the date of opening of tender or date of negotiations for the work, the amounts payable to contractors for the work shall be adjusted for increase or decrease in the rates of materials (excepting those materials supplied by the department) / labour / bitumen / diesel and petrol / cement / steel. If negotiated rates have been accepted, prices as on the date of negotiation shall be considered for price adjustment. Similarly, if rates received on the date of opening of tenders have been accepted, then prices on the date of opening of tender shall be considered for price adjustment. Increase or decrease in the cost of labour / material / bitumen / diesel and petrol / cement / steel shall be calculated quarterly in accordance with the following formula.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**(A) Labour :**

$$V_L = 0.75 \times \frac{P_L}{100} \times \frac{(I_{L1} - I_{L0})}{I_{L0}}$$

$V_L$  = Increase or decrease in the cost of work during the quarter under consideration due to change in rates for labour.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

$I_{L0}$  = The average consumer price index for industrial workers (whole-sale prices) for the quarter in which tenders were opened / negotiated (as published in Reserve Bank of India Journal / labour Bureau Simla, for the area).

$I_{L1}$  = The average consumer price index for industrial workers (whole-sale prices) for the quarter of calendar year under consideration (as published in Reserve Bank of India Journal / labour Bureau Simla, for the area).

$P_L$  = Percentage of labour components.

Note: In case of revision of minimum wages by the JDA or other competent authority, nothing extra would be payable except the price escalation permissible under this clause.

**(B) Material (excluding material supplied by the department)**

$$V_M = 0.75 \times \frac{P_M}{100} \times \frac{(L_{M1} - L_{M0})}{L_{M0}}$$

$V_M$  = Increase or decrease in the cost during the quarter under consideration due to change in rates of material.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

$L_{M0}$  = The average wholesale price index (all commodities) for the quarter in which tender were opened / negotiated (as published in Reserve Bank of India Journal / labour Bureau Simla, for the area).

$L_{M1}$  = The average wholesale price index (all commodities) for the quarter under consideration (as published in Reserve Bank of India Journal / labour Bureau Simla, for the area).

$P_M$  = Percentage of material component (excluding materials supplied by the Department).

**(C) Bitumen :**

$$V_b = 0.75 \times \frac{P_b}{100} \times \frac{(B_1 - B_0)}{B_0}$$

$V_b$  = Increase or decrease in the cost during the quarter under consideration due to change in the rate for bitumen.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

$B_0$  = The wholesale price for bitumen on the day of opening of tenders/negotiation, as published by the Economic Adviser to Govt. of India, Ministry of Industry.

$B_1$  = The average wholesale price index for bitumen for the quarter under consideration (as published by the Economic Adviser to Govt. of India, Ministry of Industry).

$P_b$  = Percentage of bitumen component excluding supplied by the Department (Specified in the sanctioned estimate of the work).

**(D) Petroleum :**

$$V_f = 0.75 \times \frac{P_f}{100} \times R \times \frac{(F_1 - F_0)}{F_0}$$

$V_f$  = Increase or decrease in the cost of work during the quarter under consideration due to change in the rates for fuel and lubricants.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

$F_0$  = The average wholesale price Index of High Speed Diesel (HSD) as published by the Economic Adviser to the Govt. of India, Ministry of Industry on the day of opening of tender / negotiations.

$F_1$  = The average wholesale price index of H.S.D. for the quarter under consideration as published weekly by the Economic Adviser to Govt. of India, Ministry of Industry for the quarter under consideration.

$P_f$  = Percentage of fuel and lubricants component excluding fuel and lubricants supplied by the Department (Specified in the sanctioned estimate for the work).

$R$  = Total work done during the quarter as prescribed under this clause.

Note : For application of this clause price of HSD is chosen to indicate fuel and lubricant component.

**(E) Cement :**

$$V_c = 0.75 \times \frac{P_c}{100} \times R \times \frac{(F_1 - F_0)}{F_0}$$

$V_c$  = Increase or decrease in the cost of work during the quarter under consideration due to change in rates for cement.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of cement supplied by the department and excluding other items as mentioned in this clause.

$I_{C0}$  = The average wholesale price index for the quarter in which tenders were opened / negotiated (as published by the Economic Advisor to Government of India, Ministry of Industries).

$I_{C1}$  = The average wholesale price index for the quarter under consideration (as published by the Economic Advisor to Government of India, Ministry of Industries).

$P_c$  = Percentage of cement components (excluding cement supplied by the Department).

**(F) Steel :**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

$$V_f = 0.75 \times \frac{P_f}{100} \times R \times \frac{(F_1 - F_0)}{F_0}$$

$V_S$  = Increase or decrease in the cost of work during the quarter under consideration due to change in rates for steel.

$R$  = The value of the work done in rupees during the quarter under consideration excluding the cost of steel supplied by the department and excluding other items as mentioned in this clause.

$I_{S0}$  = The average wholesale price index for the quarter in which tenders were opened / negotiated (as published by the Economic Advisor to Government of India, Ministry of Industries.).

$I_{S1}$  = The average wholesale price index for the quarter under consideration (as published by the Economic Advisor to Government of India, Ministry of Industries).

$P_S$  = Percentage of steel components (excluding steel supplied by the Department).

**Clause 45 A : Price Variation in – installation of elevators, supply/installation of Centrally Air Conditioning and Central Evaporating Cooling Works :**

In all cases of contracts for installation of elevators, supply/installation of Central Air Conditioning and Central Evaporating Cooling Works, the price quoted shall be based on the Indian Electrical and Electronics Manufacturers Association (IEEMA) price variation clause based on the cost of raw materials / components and labour cost as on the date of quotation / tender, and the same is deemed to be related to wholesale price index number of metal products and All India Average consumer price index number of industrial workers as specified below. In case of any variation in these index numbers, the prices shall be subject to adjustment up or down in accordance with following formula.

$$P = \frac{P_0}{100} \left[ 15 + 55 \frac{MP}{MP_0} + 15 \frac{W_0(D)}{W_0} + 15 \frac{W_0(I)}{W_0} \right]$$

Where :

$P$  = Price payable as adjusted in accordance with the above price variation formula.

$P_0$  = Price quoted / confirmed

$MP_0$  = Wholesale Price Index Number for metal products as published by the office of the Economic Adviser, Ministry of Industry, JDA of India in their weekly bulletin, Revised Index Number of Wholesale Prices (Base : 1981-82=100) for the week ending first Saturday of the relevant calendar month. The relevant month shall be that in which price was offered or negotiated whichever is later.

$W_0$  = All India Average Consumer Price Index Number for Industrial workers (Base : 1982 = 100) as published by Labour Bureau, Ministry of Labour, JDA of India, for relevant calendar month. The relevant month shall be that in which price was offered or negotiated whichever is later.

The above index number  $MP_0$  &  $W_0$  are those published by IEEMA as prevailing on the first working day of the calendar month FOUR months prior to the date of tendering.

$MP$  = Wholesale Price Index Number of Metal Products as published by the office of Economic Adviser, Ministry of Industry, JDA of India, in their weekly bulletin Revised index number of wholesale prices (Base : 1981-82 = 100). The applicable wholesale price Index Number for Metal Products as prevailing on 1st Saturday of the month covering the date FOUR months prior to the date of delivery and would be as published by IEEMA.

$W_0(D)$  = All India Average Consumer Price Index Number for Industrial workers prevailing for the month covering the date FOUR months prior to the date of delivery of manufactured material and would be as published by IEEMA.

$W_0(I)$  = All India Average Consumer Price Index Number for Industrial workers (Base : 1982=100) as published by Labour Bureau, Ministry of Labour, JDA of India. The applicable All India Consumer Price Index Number of Industrial workers prevailing for the FOUR months prior to the date of completion of installation / progress parts of installation and would be as published by IEEMA. The date of delivery shall be the date on which the manufactured material is actually supplied at site. The date of completion of installation (or progress part of installation shall be the date on which the work is notified as being completed and is available for inspection / duly tested. In the absence of such notification, the date of completion is not intimated, such completion shall be considered by the Engineer-in-charge which shall be final.

Note-1 The Wholesale Price Index Number for Metal Products is published weekly by the office of the Economic Adviser, but if there are any changes, the same are incorporated in the issue appearing in the following week. For the purpose of this Price Variation Clause, the final index figures shall apply.

Note-2 The sole purpose of the above stipulation is to arrive at the entire contract under the various situations. The above stipulation does not indicate any intentions to sell materials under this contract as movables.

Note-3 The indices  $MP$  &  $W_0$  are regularly published by IEEMA in monthly basic price circulars based on information bulletins from the authorities mentioned. These will be used for determining price variation and only IEEMA Circulars will be shown as evidence, if required.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

#### General Conditions for admissibility of Escalation

1. The exact percentage of labour / material (excluding materials to be supplied by the department)/bitumen/diesel and petrol/cement/steel component for the work shall be approved by the authority while sanctioning the detailed Estimates.
2. The break-up of components of labour / materials (excluding materials to be supplied by the department)/bitumen/diesel and petrol cement/steel as indicated in Clause 45 have been pre-determined as below :
 

|                             |                       |
|-----------------------------|-----------------------|
| (a) Labour                  | 30.04 percent         |
| (b) Material                | 45.80 percent         |
| (c) Bitumen                 | 0.00 percent          |
| (d) Diesel and Petrol (POL) | 3.88 percent          |
| (e) Cement                  | 10.09 percent         |
| (f) Steel                   | 10.19 percent         |
| <b>Total</b>                | <b>100.00 percent</b> |
3. While allowing price escalation the following shall be deducted from the value of work done (R): (a) Cost of material supplied by the Department. (b) Cost of services rendered as per clause 34. (C) of Secured Advance / any advance added earlier but deducted now after work is measured. (d) Cost of extra items, the rates for which have been worked out based on market rates / mutually agreed rates.
4. The first statement of escalation shall be prepared at the end of three months in which the work was awarded and the work done from the date of start to the end of this period shall be taken into account. For subsequent statement, cost of work done during every quarter shall be taken into account. At the completion of work, the work done during the last quarter or fraction, thereof, shall be taken into account.
5. For the purpose of reckoning the work done during any period, the bills prepared during the period shall be considered. The dates of recording measurements in the Measurement Book by the Assistant Engineer shall be the guiding factor to decide the bills relevant to any period. The date of completion, as finally recorded by the competent authority in the Measurement Book shall be the criterion.
6. The index relevant to any quarter, for which such compensation is paid, shall be the arithmetical average of the indices relevant of the calendar month.
7. Price adjustment clause shall be applicable only for – the work that is carried out within the stipulated time, or extension thereof, as are not attributable to the contractor.
8. If during the progress in respect of contract works stipulated to cost Rs. 50 lacs or less. the value of work actually done excluding cost of material supplied by the Department exceeds Rs. 50 lacs and completion period is more **than 03** months, then escalation would be payable only in respect of value of work in excess over Rs. 50 lacs from the date of satisfying both the conditions.
9. Where originally stipulate period is 03 months or less but actual period of execution excess beyond 06 months on account of reasons not attributable to contractor, escalation amount would be payable only in respect of extended period of amount of work is more than Rs. 50 lac.
10. In case the contractor does not make prorate progress in the first or another time span and the short fall in progress is covered up by him during subsequent time span within original stipulated period then the price escalation of such work expected to be done in the previous time span shall be notional given based upon the price index of that quarter in which such work was required to be done.
11. No claims for price adjustment other than those provided therein shall be entertained.
12. **If the period of completion including extended period attributable to JDA exceeds twelve months but cost does not exceeds more than Rs. 50 lac, no escalation is admissible.**
13. Similarly, if cost of works increases more than Rs. 50 lac but completion period including extended period attributable to JDA is less than 3 months, no escalation is admissible.
14. No provisional escalation is payable quarterly and no provisional escalation is payable monthly or fortnightly.
15. Escalation is always payable quarterly and no provisional escalation is payable monthly of fortnightly.
16. In case at the time of executing agreement, both the conditions (completion period **3 months** and amount of work **Rs. 50 lac**) for admissibility of price escalation are not fulfilled and subsequently due to additional work and extension of time attributable to JDA, both the conditions become fulfilled, in that case the escalation shall be payable from the date of satisfying both the conditions and only for work done beyond Rs. 50 lac and in period of work beyond 6 months.
17. The contractor shall for the purpose of this conditions keep such books of accounts and other documents are necessary to show the amount of any increase climbed or reduction available and shall allow inspection of the same by a duly authorized representative of JDA and further shall at the request of the Engineer-in-charge furnish, verified in such a manner as the

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

Engineer-in-charge may required any documents so kept and such other information as the Engineer-in-charge may require.

**Clause 46: Force-Majuro**

Neither party shall be liable to each other, for any loss or damage, occasioned by or arising out of acts of God such as unprecedented floods, volcanic eruptions, earthquake or other invasion of nature and other acts.

**Clause 47: General discrepancies and errors**

In case of percentage rate tenders, if there is any typographical error or clerical error in rates shown by the JDA in the G- schedule, the rates as given in the basic schedule of rates on which estimate is framed shall be taken as correct.

**Clause 48: Post payment Audit & Technical Examination**

The JDA shall have right to cause an audit and technical examination of the works, and the final bills of the contractor, including all supporting vouchers, abstracts, etc., to be made within 2 years after payment of the final bill, and if, as a result of such audit and technical examination, any sum is found to have been over paid in respect of any work done by the Contractor under the contract, or any work claimed by him to have been done by him under the Contract and found not to have been executed or executed below specifications, the Contractor shall be liable to refund the amount of over payment, and it shall be lawful for J.D.A. to recover the same from him in the manner prescribed in Clause 50 or in any other manner legally permissible, and if it is found that the Contractor was paid less than what 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 duly paid by the JDA to the Contractor.

**Clause 48A: Pre Check or Post Check of Bills**

The JDA shall have right to provide a system of pre-check of Contractor's bill by a specified Organization, and payment by an Engineer or an Accounts Officer/sr. Accounts Officer/ chief Accounts Officer/ financial Advisor, as the JDA may in its absolute discretion prescribe. Any over-payments excess payments detected, as a result of such pre-check or post-check of Contractor's bills, can be recovered from the Contractor's bills, in the manner, herein before provided, and the Contractor will refund such over/excess payments.

**Clause 48B: Check Measurements**

The J.D.A. reserves to itself, the right to prescribe a scale of check measurement of work, in general, or specific scale for specific works, or by other special orders (about which the decision of the J.D.A. shall be final). Checking of measurement by superior officer shall supersede measurements by the subordinate officer, and the former will become the basis of the payment. Any over/excess payments detected, as a result of such check measurement or otherwise at any stage up to the date of completion and the defect removal period specified else-where in this contract, shall be recoverable from the Contractor, as any other dues payable to the JDA.

**Clause 49: Dismantled materials**

The Contractor, in course of the work, should understand that all materials e.g. stone, bricks, steel and other materials obtainable in the work by dismantling etc. will be considered as the property of the JDA and will be disposed off to the best advantage of the JDA, as per directions, of the Engineer-in-charge.

**Clause 50: Recovery from Contractors**

Whenever any claim against the Contractor for the payment of a sum of money arises out of or under the contract, the J.D.A. shall be entitled to recover such sum by appropriating, in part or whole of the Performance Guarantee and/or Security Deposit, Security Deposit at the time of enlistment of the Contractor. In the event of the security being insufficient, or if no security has been taken, then the balance or the total sum recoverable, as the case may be, shall be deducted from any sum, then due or which at any time, thereafter, may become due to the Contractor, under this or any other contract with the J.D.A.. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the J.D.A. on demand the balance remaining dues.

The J.D.A. shall, further, have the right to affect such recoveries under Public Demand Recovery Act.

**Clause 51: Jurisdiction of Court**

In the event of any dispute arising between the parties hereto, in respect of any of the matters comprised in this agreement, the same shall be settled by a competent Court having jurisdiction over the place, where agreement is executed and by no other court, after completion of proceedings under Clause 23 of this Contract.

Dated Signature of Engineer- in -charge

Dated signature of Contractor

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Progress statement referred to in Clause 2 of Conditions of Contract**

| Name of Work | Date from which the work should be commenced | Date by which the work should be completed | Monthly rate of Progress |
|--------------|----------------------------------------------|--------------------------------------------|--------------------------|
| 1            | 2                                            | 3                                          | 4                        |

The contractor has been informed that his tender has been accepted

Notes: - For Filling in the Progress J.D.A. Form

Columns 2,3, and 4 must be initialed and dated by the Contractor

Column 4 must be initialed and dated by the Director Engineering or other duly authorized Engineer also.

The date in column 2 should correspond to the date on which the order to commence work is given to the contractor read with Clause 2 of the conditions of contract.

The date in column 3 must correspond to the period J.D.A. in Sub clause (e) of the Memorandum below "Tender for works".

Column 4. This will ordinarily be worked out proportionately; thus if Rs. 24,000/- is the cost of the whole or portion of work tendered for, and six months period of completion, then the monthly rate of progress should be Rs. 4,000. If necessary, quantities may also be specified in this column at the discretion of the Director Engineering.

The Certificate as to intimation of acceptance of tender printed at the foot of the form must be signed and dated both by the Director Engineering or other duly authorized Engineer and the Contractor.

Dated

Signature of Engineer- in -Charge

Dated

Signature of Contractor

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**ANNEXURE TO APPENDIX XI  
RAJASTHAN PUBLIC WORKS DEPARTMENT  
CONTRACTOR LABOUR REGULATIONS**

1. **Short title :** These regulations may be called "The Rajasthan Public Works Department Contractor's Labour Regulations."
2. **Definition :** These regulations unless otherwise expressed or indicated, the following words and expressions shall have the meaning hereby assigned to them respectively, that is to say :
  - (i) **"Labour"** means workers employed by a Rajasthan P.W. Department contractor directly or indirectly through a sub-contractor or other person or by an agent on his behalf.
  - (ii) **"Fair Wage"** means minimum wages for time or piece work fixed or revised by the State Government under the Minimum Wages Act., 1948.
  - (iii) **"Contractor"** shall include every person whether sub-contractor or headman or agent employing labour on the work taken on contract.
  - (iv) **"Wages"** : shall have the same meaning as defined in the Payment of Wages Act. and includes times and piece rate wages.
3. **Display of Notice regarding wages etc. :** The contractor shall (a) before the commences his work on contract, display and correctly maintain and continue to display and in conspicuous places on the work notices in English and the correctly maintain in Hindi by the majority of the workers giving the rate of wages which have been certified by the Executive Engineer, the superintending engineer, the Chief Engineer or Labour Commissioner, as fair wages and the hours of works for which such wages are earned, and (b) send a copy of such notices to the Certifying Officers.
4. **Payment of Wages**
  - (i) The contractor shall fix the wage period in respect of which the wages shall be payable.
  - (ii) No wage period shall exceed one month.
  - (iii) Wages of every workman employed on the contract shall be paid before the expiry of ten days after the last day of the wage period in respect of which the wages are payable.
  - (iv) When the employment of any worker is terminated by or on behalf of the contractor, the wages earned by him shall be paid before the expiry of the day succeeding the one on which his employment is terminated.
  - (v) All payments of the wages shall be made on a working day except when the work is completed before the expiry of the wage period in which case, final payments shall be made within 48 hours of the last working day.
5. **Wage Book and Wage slips etc.**
  - (i) The Contractor shall maintain a Wage Book of each worker in such form as may be convenient but the same shall include the following particulars.
    - (a) Rate of daily or monthly wages.
    - (b) Nature of work on which employed.
    - (c) Total number of days worked during each wage period.
    - (d) All deduction made from the wages with an indication in each case of the ground for which the deduction is made.
    - (e) Wages actually paid for each wage period.
  - (ii) The contractor shall also maintain a wage slip for each worker employed on the work
  - (iii) The Executive Engineer may grant an exemption from the maintenance of the wage books and wages slips to a contractor who, in his opinion, may not directly or indirectly employ more than 50 persons on the work.
7. **Fines and deductions which may be made from wages**
  - (i) The wages of a worker shall be paid to him without any deductions of any kind except those authorized, namely the following
    - (a) Fines
    - (b) Deductions for absence from duty i.e. from the place or places where, by the terms of his employment, he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
    - (c) Deductions for damages to or loss of goods expressly entrusted to the employed person for custody or for loss or any other deductions of money, which he is required to account where such damages or losses are directly attributable to his neglect or default.
  - (ia) The Rajasthan Government may, from, time to time, allow deductions other than those specified in clause I above.
  - (ii) No fines shall be imposed on a worker and no deductions for damage or loss shall be made until worker has been given an opportunity of showing cause against each fine or deductions.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- (iii) The total amount of fines, which may be imposed in any one wage period on a worker, shall not exceed an amount equal to three paise in rupee of the wage payable to him in respect of that wage period.
  - (iv) No fine imposed on any worker shall be recovered from him by installment or after the expiry of 60 days from the date on which it was imposed.
8. **Register of fines etc.** : The contractor shall maintain a register of fines and of all deductions for damage or loss. Such register shall mention the reasons for which fine was imposed or deduction for damage or loss was made.
- The contractor shall maintain both in English and local Indian Language, a list approved by the Labour, Commissioner clearly stating the acts and omission for which penalty of fine may be imposed on a workman and display it in a good condition in a conspicuous place on the work.
9. **Preservation of Register** : The wage register, the wage card and the register fines deductions required to be maintained under these regulations, shall be preserved for 12 months after the date of the 1st entry made in them.
10. **Powers of Labour Welfare Officer to make investigation of enquiry** : The Labour Welfare Officer or any other person, authorized by the State Government on their behalf, shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of the fair wage clauses and provisions of the regulations. He shall investigate into any complaint regarding default made by the Contractor or Sub-Contractor in regard to such provisions.
11. **Report of Labour Welfare Officer** : The Labour Welfare Officer or other person, authorized as aforesaid, shall submit a report of the result of his investigation or enquiry to the Executive Engineer concerned indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractors bill be made and the wage and other dues be paid to the labour concerned in case an appeal is made by contractor under clause 12 of these regulations, actual payment of labours will be made by the Executive Engineer after the Labour Commissioner had given decision on such appeal.
12. **Appeal against the decision of Labour Welfare Officers** : Any person aggrieved by the decision and recommendation of the Labour. Welfare Officer or other persons, so authorized, may appeal against. Such decision to the Labour Commissioner within 30 days from the date of decision forwarding simultaneously a copy of his appeal to Executive Engineer concerned but subject to such appeal the decision of the Officer shall be final and binding upon the contractor.
- 12a No party shall be allowed to be represented by a lawyer during any investigation, enquiry, appeal or any other proceedings.
13. **Inspection of wage books and slips** : The contractor shall allow inspection of the wage books and wage slips and register of lines and deductions to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Welfare Officer or any other person authorized by the State Government on his behalf.
14. **Submission of Returns** : The Contractor shall submit periodical returns, as may be specified from time to time.
15. **Amendments** : The State Government may, from time to time, add to or amend these regulations and on any questions as to the application, interpretation or effect of these regulations, the decision of the Labour Commissioner to the Government of Rajasthan or any other person authorized by the State Government in that behalf, shall be final.

**SCHEDULE OF FAIR WAGE TO BE GIVEN BY EXECUTIVE ENGINEER LIST OF ACTS AND COMMISSION FOR WHICH FINE CAN BE IMPOSED**

- (I) Willful insubordination disobedience whether alone or combination with another (2) The fraud or dishonesty in connection with the contractor business or property of the Rajasthan P.W.D. (3) Taking or giving bribes or any illegal gratification. (4) Habitual late attendance. (5) Drunkenness, fighting riot or disorderly or indecent behavior (6) Habitual negligence (7) Smoking near or around the area where combustible or other materials are stocked. (8) Habitual indiscipline (9) Causing damage work in progress or to property of the Rajasthan P.W.D. or the contractor (10) Sleeping on duty (11). Malingering or slowing down work (12). Giving of false information regarding name, age, father's name (13) Habitual loss of wage cards supplied by the employers. (14) Unauthorized use of employer's property or manufacturing or making of unauthorized articles at the work places (15) Bad workmanship in construction and maintenance by skilled workers which is not approved by the department and for which contractors are compelled to undertake rectification (16) Making false complaints and / or misleading statement. (17) Engaging, in trade within the premises of the establishment. (18) Any delinquency of business affairs of the employers. (19) Collection or canvassing for the collection of any money within the premises of an establishment unless authorized by the employer. (20) Holding meeting inside the premises without previous sanction of the employer (21). Threatening or intimidating any workman or employee during the working hours within the premises.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Schedule showing (approximately) material to be supplied from the Public Works Store for work contracted to be executed and the rates of which they are to be charged for**

| Particulars                                 | Rates which the material will be charged to be contractor |     |    | Place of Delivery |
|---------------------------------------------|-----------------------------------------------------------|-----|----|-------------------|
|                                             | Unit                                                      | Rs. | NP |                   |
| Doors with Chowkhats                        |                                                           |     |    |                   |
| Doors with Chowkhats                        |                                                           |     |    |                   |
| Doors with Chowkhats                        |                                                           |     |    |                   |
| Windows with Chowkhats                      |                                                           |     |    |                   |
| Windows with Chowkhats                      |                                                           |     |    |                   |
| Windows with Chowkhats                      |                                                           |     |    |                   |
| Steel Shapes                                |                                                           |     |    |                   |
| Steel Shapes                                |                                                           |     |    |                   |
| Steel Shapes                                |                                                           |     |    |                   |
| Bars Mild Steel                             |                                                           |     |    |                   |
| Sheets plain, Corrugated, G.I. etting, wire |                                                           |     |    |                   |
| Belts Tower                                 |                                                           |     |    |                   |
| Belts Tower                                 |                                                           |     |    |                   |
| Locks, Mortise                              |                                                           |     |    |                   |
| Locks, Mortise Rim                          |                                                           |     |    |                   |
| Hinges, Butt                                |                                                           |     |    |                   |
| Hinges, Butt                                |                                                           |     |    |                   |
| Hinges, Butt                                |                                                           |     |    |                   |
| Hinges, Butt                                |                                                           |     |    |                   |
| Hinges, Spring                              |                                                           |     |    |                   |
| Cement, Portland                            |                                                           |     |    |                   |

**Note :** The person or firm submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-Charge on the issue of the form prior to be submission to the tender.

**Signature of Contractor**

**Signature of Engineer**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Progress Statement referred to in Clause 3 of Condition of Contract**

| Name of Works | Date from which the work should be commenced | Date by which the work should be completed | Monthly rate of progress |
|---------------|----------------------------------------------|--------------------------------------------|--------------------------|
|               |                                              |                                            |                          |

**The contractor has been informed that his tender has been accepted.**

Date :

Date :

Engineer-in-Charge

Contractor

**Notes for filling in the Progress Statement Form on the Last Page**

- Columns 2, 3 and 4 must be initialed and dated by the Contractor.
- Column 4 must be initialed and dated by the Chief Engineer or other authorized Engineer also.
- The date in column 2 should correspond to the date on which the order to commence works is given to the contractor read with Clause 2 of the conditions of contract.
- The date of column 3 must correspond to the period stated in sub class (e) of the Memorandum below "Tender for works".
- Column 4. This will ordinarily be worked out proportionately ; thus if Rs. 24,000/- is the cost of the whole or portion of work tendered for, and six months period of completion, then the monthly rate of progress should be Rs. 4,000. If necessary, quantities may also be specified in this column at the discretion of the Chief Engineer.
- The Certificate as to intimation of acceptance of tender printed at the foot of the form, must be signed and dated both by the Chief Engineer or other duly authorized Engineer and the Contractor

## **Section A-3**

# **Special Conditions of Contract**

**SCHEDULE 'I'**

**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.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**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 (Any authorized third party inspection agency) as 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 as directed by Engineer In-charge.**

**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.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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 JDA BSR 2016 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-I)  
J.D.A. Jaipur**

## **Section A-4**

### **Specifications of Work**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

### **SCOPE OF WORK**

#### **1. The site is located at Sector-29 of JDA, under PHE-I, Jurisdiction, 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 HDPE DWC pipe, 200 mm diameter RCC NP-4 and 250 mm diameter NP-2, 300 mm diameter NP-2 & 350 mm diameter NP-2 sewer pipeline.
- d) Construction of RCC Precast Manhole and 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-A5**, 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 RCC 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 in situ manhole 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-6 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.**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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 in enclosed in the section A-6 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 caring 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, which 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) HDPE DWC 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.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- 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. HDPE DWC Pipe : IS 16098 (Part 2)
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 **JDA BSR-2016** & 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 programme, 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.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- 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 trenching 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:**

#### **1 DOUBLE WALL CORRUGATED (DWC) HDPE PIPES:**

##### **a) APPLICABLE CODES**

The manufacturing, testing, supplying and testing at work sites of HDPE-DWC pipes shall comply with IS 16098 Part-II: 2013 and all currently applicable statutes, regulations, standards and Codes. In particular, the following standards, unless otherwise specified herein, shall be referred. In all cases the latest revision of the all related Codes shall be referred.

The manufacturer's own rework material conforming to the requirements given in 3.25 of IS:16098 is permissible. No other rework material shall be used.

##### **b) MARKING : GENERAL**

Marking shall be labeled, printed or formed directly on the pipe or fitting, in such a way that after storage, weathering and handling the legibility shall be maintained. Marking shall not initiate cracks or other types of defects which adversely influence the performance of the pipes or the fitting. Minimum Required Marking.

##### **PIPES**

Each pipes shall be marked at intervals of maximum 3 m, at least once per pipe, with the following information:

- Manufacturer's name/Trademark;
- Diameter series, nominal size;
- Stiffness class;
- Material; and Lot number/batch number containing information regarding period of manufacture.

##### **FITTINGS**

Each fitting shall be marked with the following information:

- a) Manufacturer's name/Trade-mark;

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- b) Diameter series, nominal size;
- c) Nominal angle;
- d) Stiffness class;
- e) Material; and Lot number/batch number containing information regarding period of manufacture.
- f) BIS Certification Marking each pipe or fittings may also be marked with the standard Mark.

The use of the Standard mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made there under

#### **PRODUCT IDENTIFICATION**

Product markings on Crumple Plastic Pipe will include the following information to facilitate jobsite inspection.

Nominal pipe size Manufacturer's name Date code Application standard(s)

#### **WORKMANSHIP/ APPEARANCE**

Pipes shall be free from all defect including indentations, delaminating, bubbles, pinholes, cracks, pits, blisters, foreign inclusions that due to their nature degree or extent detrimentally affect the strength and serviceability of the pipe. The pipe shall be as uniform as commercially practicable in colour opacity, density and other physical properties as per relevant IS Code or equivalent International Code. The inside surface of each pipe shall be free of scouring, cavities, bulges, dents, ridges and other defects that result in a variation of inside diameter from that obtained on adjacent unaffected portions of the surface. The pipe ends shall be cut clearly and square to the axis of the pipe

#### **MEASUREMENT**

The net length of pipes as laid or fixed shall be measured in running meters correct to a cm.

#### **INSPECTION AND TESTING:**

The pipe shall be delivered at site after inspection by the nominated inspectors by the Employer. Physical Dimensions and visual inspection: The Manufacturers test reports shall be provided for review. Mechanical Characteristics shall be in accordance to IS 16098- 2013. Ring Flexibility shall be as per IS 16098.

Pipe manufacturers are a valuable resource during the project planning stage since they are familiar with adapters that work well with their own products.

#### **BELL & SPIGOT COUPLERS WITH "O" RING GASKETS**

These couplers to impede or prevent the infiltration or infiltration of liquids in NON-PRESSURE application.

Bell & Spigot Couplers with "O" Ring Gaskets:- These couplers are produced on the pipe during the pipe extrusion process. Bell & Spigot pipes are available in 20-foot lengths, each coupler Spigot End comes with a non-pressure pipe water leak restriction gasket manufactured per ASTM-D-477. one should not test until the pipes have been backfilled or restrained for safety.

#### **UNLOADING**

- a) The Contractor should set aside an area for products to be stored on site.
- b) This area should be flat, free of large rocks, rough surfaces and debris.
- c) It should also be out of the way of construction traffic.
- d) Pipe may be delivered either palletized or loose, depending on the type and quantity of product.
- e) Pallets may be unloaded with a backhoe, forklift or other piece of equipment and a nylon sling or cushioned cable.
- f) The sling should be wrapped around the pallet at the third points as it lifts the pallet onto the ground. As an alternative to using a sling to unload full pallets, the pallet may be opened and lengths of pipe unloaded individually be carefully rolling single lengths of loose pipe from the delivery truck onto the front end loader, then onto the ground.
- g) Alternately, the pipe can also be lifted using a nylon sling or cushioned cable at the third points.
- h) End handling with a forklift MUST NOT be used as pipe damage will occur.
- i) Due to joint weight, larger diameter pipes should not be off loaded by hand.

#### **JOB SITE STORAGE**

- a) Reasonable care should be used in handling pipe.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- b) The pipe should not be dropped, dragged or bumped against other pipe or objects.
- c) Palletized pipe should remain in the pallet for jobsite storage.
- d) Non-palletized pipe can be stockpiled for temporary storage in a flat debris-free area out of the way of construction traffic.
- e) Begin the stockpile with secured timbers spaced the width of the proposed stockpile at a distance not exceeding the third points.
- f) For pipe with attached bells, a recommended stacking method is to alternate the direction of the pipe lengths so that the bells are not stacked on each other.
- g) As upto three pipes can be laid before alternating directions. Subsequent layers should follow the same pattern as the first but with fewer sticks of pipe in each row.
- h) For smooth interior pipe, storage space can be minimized by nesting smaller diameters into large diameter pipe.
- i) Factory installed gaskets on the spigot should be protected by positioning them between corrugations.

#### **STRINGING THE PIPE**

- a) Placing the pipe and accessories along the open trench, or "stringing" Can save handling time.
- b) Each pipe length should be laid on a level surface as near as possible to the trench on the side opposite the excavated trench material; allow some space between pipe to protect pipe ends.
- c) The pipe should be out of the way of any equipment in a location that will allow excavation to proceed uninterrupted.
- d) HDPE DWC Pipe shall be of SANGIR, KISAN, FINOLEX, DURALINE or equivalent approved by EIC.

## **2.**

- 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 laying and jointing of HDPE DWC pipes shall be done in accordance with I.S. 16098 (Part-II)-2013.
- c) The RCC S&S NP-2 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.
- d) 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".
- e) The laying and jointing of RCC S&S pipes NP-2 shall be done in accordance with IS: 783: 1995 (Amended up to date) with hydraulic testing of sewer line.
- f) 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.
- g) 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.
- h) 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.
- i) 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.

- j) 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.
- k) The sewer lines shall be laid such that the making on pipes appears at the top of the pipes.
- l) 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.
- m) 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.
- n) The bedding for sewer lines shall be provided as specified in the drawings and as per direction of the Engineer.
- o) 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.
- p) 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.
- q) 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.
- r) The payment for the sewer lines and manholes shall be made only after satisfactory testing of the works, as directed by the Engineer.
- s) 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. .

**WORK TO FACILITATE HOUSE SEWER CONNECTION:** House Connection of 110 mm uPVC pipe to be done by contractor. **No work shall be carried out inside the property boundaries.**

#### **6.8 OTHER SERVICES**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- a) 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.

**1.7 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 1000/1200/1500 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.

**1.8 PRECAST REINFORCED CONCRETE**

Nil

**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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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.

#### **9.0 SCHEDULE OF PROGRESS**

- a) The complete work defined in the scope of work in the schedule 'E' and detailed item wise under schedule 'G' appended herewith shall be completed in all respects and to the entire satisfaction of the Engineer In charge and handed over the Department or to the persons nominated by the department to take over within a period of months from the date of written order to the contractor to commence the work.
- b) Date of Order to commence the work .....
- c) Stipulated date of completion .....
- d) The contractor will be required to maintain prorated progress as per clause 2 of agreement.

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## **Section A-5**

### **Annexure**

## **Annexure A :**

### **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.

**Annexure B :**

**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 :

## **Annexure C :**

### **Grievance Redressal during Procurement Process**

The designation and address of the First Appellate Authority is Commissioner , JDA, Jaipur.

The designation and address of the Second Appellate Authority is Additional Chief Secretary, UDH, Raj Govt.

#### **(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**

## **Annexure D :**

### **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.
- (i) 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.

**Signature of Contractor  
with full address & Mobile No.**

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

# JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

No. JDA/Ex.En. (TA to Dir. Engg.-I)/2016/D-29

Dated: 11/3/2016

## Office Order

Subject: - DLP period for various type of works.

As per the decision taken in the 201<sup>st</sup> meeting of Executive Committee held on 23.02.2016 w.r.t. agenda no. 201:22, DLP period of various natures of works amounting more than Rs. 25 lakhs has been revised as per following time periods based on nature of works.

This order will supersede the earlier orders issued in this regard i.e. order No. JDA/TA to D(E)/2010-11/D-317 dated 28.04.2011 including Special Condition No. 2.2.2 & 2.2.3 of Annexure-I related to SD refund & forfeiture (other Special Condition of annexure-I of this order will remain valid) and order No. JDA/Ex.En.(Pr-5 & TA)/2013/D-43 dated 27.02.2013 and also all pertaining orders, in contract agreements or in PWF&AR having DLP period different than what is being enforced through this present order for concerned type of work.

Table-I

| S.No. | Type of Work                                                                                 | Existing DLP Period | As per approved in E.C. held on 23.02.2016            |
|-------|----------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------|
| 1.    | Bridge Work                                                                                  | 3 years             | 5 Years                                               |
| 2.    | CD Work                                                                                      | 3 years             | 5 Years                                               |
| 3.    | CC Road, PQC Work                                                                            | 3 years             | 5 Years                                               |
| 4.    | CC tiles/Kerbs/medians                                                                       | 3 years             | 5 years                                               |
| 5.    | Drains                                                                                       | 6 months            | 3 years                                               |
| 6.    | Roads                                                                                        |                     |                                                       |
|       | (i) Two layer WBM/CSB                                                                        | 3 years             | 6 Months or one full rainy season which ever is later |
|       | (ii) For Renewal/Strengthening                                                               |                     |                                                       |
|       | (a) BT upto 30 mm thickness                                                                  | 3 years             | 1 year                                                |
|       | (b) BT above 30 mm to upto 40 mm                                                             | 3 years             | 2 years                                               |
|       | (c) BT above 40 mm to upto 90 mm                                                             | 3 years             | 3 years                                               |
|       | (d) ET Above 90 mm                                                                           | 3 years             | 5 years                                               |
|       | (iii) New Roads                                                                              |                     |                                                       |
|       | (a) BT upto 90 mm                                                                            | 3 years             | 3 years                                               |
|       | (b) BT more than 90 mm                                                                       | 3 years             | 5 years                                               |
| 7.    | Compound wall                                                                                | 6 months            | 3 years                                               |
| 8.    | Buildings work                                                                               |                     |                                                       |
|       | (i) Work pertaining to Sanitary works electrical works, Joinery works and painting works.    | 6 months            | 2 years                                               |
|       | (ii) Work pertaining to Building structure and other civil works.                            | 6 months            | 5 years                                               |
| 9.    | Electric work except maintenance                                                             | 6 months            | 3 years                                               |
| 10.   | Sewer/Water supply all including STP and water supply related work except maintenance works. | 6 months            | 3 years                                               |

The release of SD amount shall be as per following table:-

**Table-II**

| S. No. | Released SD<br>DLP period | 1 <sup>st</sup> year | 2 <sup>nd</sup> year | 3 <sup>rd</sup> year | 5 <sup>th</sup> year |
|--------|---------------------------|----------------------|----------------------|----------------------|----------------------|
| 1.     | Upto 1 year               | 100%                 | 40%                  | 20% ✓                | 10%                  |
| 2.     | Upto 2 year               |                      | 60%                  | 20% ✓                | 10%                  |
| 3.     | Upto 3 year               |                      |                      | 60% ✓                | 10%                  |
| 4.     | Upto 4 year               |                      |                      |                      | 20%                  |
| 5.     | Upto 5 year               |                      |                      |                      | 50%                  |

Various conditions for managing DLP are as under:-

- (i) At the time of completion of work, final component shall be worked out for each individual item like BT/CC/tiles/drains etc (as per different categories in Table I), DLP shall be operative based upon type of individual item ex:- CC-5 years, BT- 1/2/3/5 years, Drain- 3 years etc.
- (ii) Similarly for all new works, these components should be calculated at the time of TS itself, which should be made part of BID document.
- (iii) If any work, amount is less than Rs. 25 lakhs but later on due to extra/excess work, if amount of final work crosses more than Rs. 25 lakhs, DLP shall be operative as per rule for each individual item.
- (iv) Similarly if any work is more than Rs. 25 lakhs but after finalization amount of work is less than Rs. 25 lakhs, DLP should be operative for six months or rainy season whichever is late.
- (v) During DLP period if contractor fails to repair any work even after issue of 7 days written notice, same work shall be got executed by respective Executive Engineer at the contractor's risk and cost. This process shall be applicable throughout the DLP period. After completion of DLP period in such works contractor should be debarred and blacklisted from JDA for three years as per RTPP Rule 2012 and 2013 where he defaults twice in a single agreement or in two different works.
- (vi) Quarterly Inspection as per rules shall be carried out and DLP registers shall be maintained by respective Executive Engineers to monitor the DLP repairs.
- (vii) Special and regular inspection shall also be carried out as per order no. JDA/Ex.En & TA to DE-I/2014-15/D-223 dated 12.03.2015 and order no. SE (PMGSY) CIRCULAR 2006/D-115 dated 04.05.2006 Point no. 3.
- (viii) In case JDA feels to take up work on any existing DLP road due to any reason, following procedure should be adopted:
  - (a) At the time of withdrawal total liability of repairs as per DLP conditions to be carried out and contractor shall be asked to complete the same. After completion of assessed repairs DLP period shall be released after deduction amt. as per table III.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

Table-III

| % Recovery on Withdrawal of DLP, of work order<br>DLP period | 1 year | 2 year | 3 year | 4 year | 5 year |
|--------------------------------------------------------------|--------|--------|--------|--------|--------|
| 1 year                                                       | 1.12   | -      | -      | -      | -      |
| 2 year                                                       | 2.55   | 1.43   | -      | -      | -      |
| 3 year                                                       | 4.38   | 3.26   | 1.83   | -      | -      |
| 5 year                                                       | 9      | 7.88   | 6.45   | 4.62   | 2.47   |

Note:- Calculation is to be done on quarterly basis.

(b) In case Contractor fails to carry out these repairs, same shall be carried out at his risk and cost. If the total amt. of such repairs works out to be more than total retained amt. of SD, same shall be recovered from other works and as per PDR rules. The amount as per Table III is also to be deducted in addition to this amount.

(ix) Based upon type of work, DLP conditions for works to be carried out during DLP period with their frequency of respective type of work shall be prepared by respective SE's after approval of these periods.

This order shall come in force with immediate effect and will be applicable on all new works whose NIB is to be called.

*Sd/-*  
Director (Engineering-I)  
JDA, Jaipur

Copy to following for information and necessary action:-

1. PS to IDC, JDA, Jaipur.
2. PS to Secretary, JDA, Jaipur.
3. Director Engineer I/II, JDA, Jaipur.
4. Director (Fin.), JDA, Jaipur.
5. C.F, JDA, Jaipur.
6. All Add. Chief Engineers, JDA, Jaipur.
7. All Superintendent Engineers, JDA, Jaipur.
8. OSD (RM), JDA, Jaipur.
9. Additional Director (REV.&DP.)
10. CAO (P&A) JDA, Jaipur.
11. Sr. Horticulturist, JDA, Jaipur
12. All Executive Engineer, JDA, Jaipur.
13. DD (E&B) JDA, Jaipur.
14. All AOs, JDA, Jaipur.
15. All AAOs, JDA, Jaipur.
16. System Analyst
17. All Contractors' Association, JDA, Jaipur.
18. Guard file

*Sd/-*  
S.E. & TA to Dir. (Engg-I)  
JDA, Jaipur

218

राजस्थान सरकार  
स्वायत्त शासन विभाग राज, जयपुर  
जी-3 राजस्थान नैजीडेन्टी एरिया, सिविल लाईन्स फाटक सी-रहोम, जयपुर।  
टेलीफोन :- 0141-2222403, ई-मेल :- dlbrajasthan@gmail.com वेब साईट :- www.lsgraj.org



क्रमांक :- एम 55( )ईजी/सीई/डीएलवी/सीवर परिपत्र/ 15/ 22423

दिनांक :- 14/10/2015

#### परिपत्र

सीवर संग्रहण प्रणाली को बेहतर बनाने के उद्देश्य से सीवर का रखरखाव किया जाना आवश्यक है। सीवर सफाई के मुख्य उद्देश्य यह है, कि सीवर लाईन में रुकावट न आए तथा सीवर मेंडॉल से गंध की शिकायत या Overflow नहीं होने पावे एवं सीवर के गन्दे पानी में जन जीवन पर कुप्रभाव न पड़े।

यथासंभव सीवर सफाई हेतु यांत्रिक सफाई के तरीकों का ही उपयोग करना चाहिये। सीवर सफाई हेतु हाइड्रोलिक या यांत्रिक सफाई के तरीकों का उपयोग कर सीवर लाईन एवं मेंडॉल में जमे रेत, मिट्टी मलबे इत्यादि को आसानी से हटाया जा सकता है।

सीवर सफाई हेतु आवश्यक उपकरण :- Pick axes, मेंडॉल गार्ड, ट्राइपोड स्टैण्ड, खतरा के झण्डे (Danger flags), लालटेन, सुरक्षा दीपक (Safety lamp), लीड एंशोटेड गैवर, रस्तीया, लोहे के हुक, प्लम्बर रॉड, फावड़े इत्यादि उपकरण आवश्यक हैं।

इसके अलावा सीवर सफाई हेतु विशेष प्रकार में उपकरण/मशीन भी आवश्यक है, जैसे की पोर्टेबल पम्प, रस्ती व कपड़े की गैर, सीवर क्रेडर, सीवर क्लीनिंग बकेट, मशीन सडींग मशीन, मय फ्लेजिबल सीवर रोडस् व सीवर क्लीनिंग बकेट सीवर जैटिंग मशीन मली इन्फिट्रेशन (Sewer Infiltration) सीवर एक्शन मशीन इत्यादि उपकरण/मशीन आवश्यक हैं।

नगर निकाय अपने स्तर पर सीवर सफाई हेतु उपरोक्त आवश्यक उपकरण/मशीन निगमानुसार क्रय कर सकती है, जिससे सीवर सफाई मशीनों द्वारा ही हो सके। समुचित मात्रा में एक सक्षित दशक वाली मशीनों के क्रय हेतु राजस्थान लोक उपापन में प्रदर्शित अधिनियम 2012 एवं नियम 2013 के अध्याधीन वार्षिक दर अनुबन्ध कर मशीने क्रय की जा सकती है।

सीवर सफाई का एक समुचित रिकॉर्ड एवं डाटाबेस रखना आवश्यक है, जिससे सीवर लोकेज में संवेदनशील क्षेत्र इत्यादि का रिकॉर्ड रहे। उक्त रिकॉर्ड भविष्य में सीवर सफाई हेतु मददगार हो सकता है। इस हेतु वार्षिक जूनवार सार्वजनिक रिकॉर्ड संवर्धित किया जा सकता है।

मेंडॉल की सफाई :- मेंडॉल सफाई से पूरा सफाई विशेषज्ञ एवं प्रशिक्षण प्राप्त कर्मचारी आवश्यक है। सुरक्षा के पूर्ण पर मेंडॉल सफाई से पूर्व वैकिक आइसोलेशन उपकरणों की सही एवं सफाई विधि, गैर (साइट)जन सफाई हेतु इत्यादि का स्थान, समय, वीर की सफाई मेंडॉल की सफाई से सीवर सफाई हेतु सफाई मशीन का उपयोग किया जायेगा।

मेनहॉल सफाई हेतु सुरक्षा विधियाँ :- सीवर मेनहॉल सफाई के दौरान अन्य कार्यों की तुलना में अपेक्षाकृत अधिक दुर्घटना होने का खतरा रहता है। अतः यह आवश्यक हो जाता है, कि नियोजता अपने कामगारों को कार्य करने हेतु एक सुरक्षित माहौल उपलब्ध करा सके। सुरक्षा पर अधिक से अधिक एवं लगातार ध्यान दिया जाकर सीवर सफाई के दौरान होने वाली दुर्घटनाओं का कम किया जा सकता है।

सीवर सफाई के कार्य करने वाले संवेदक एवं उनके कामगारों को सुरक्षा सम्बन्धित प्रशिक्षण एवं सुरक्षा प्रक्रियाओं के साथ कार्य करने हेतु प्रेरित किया जाना चाहिये।

सुरक्षा प्रक्रियाओं एवं संसाधनों के अभाव में या लापरवाही की वजह से दुर्घटना हो सकती है, दुर्घटना के पीछे एक असुरक्षित हालात होते हैं। सामान्य ज्ञान एवं कुछ बुनसादी सुरक्षा नियमों को लागू करने का प्रयास कर दुर्घटनाओं को रोका जा सकता है।

मेनहॉल में प्रवेश से पूर्व कामगारों हेतु उचित सुरक्षा उपकरणों की व्यवस्था करनी चाहिये। जिससे निम्नलिखित गहत्वपूर्ण है।

1. गैस डिटेक्टर (Approved & Properly Calibrated)
2. गैस एयर क्लोवर।
3. सुरक्षा हेलमेट।
4. ट्राइपोड (Tripod) मय रस्सी।

निम्न बिन्दुओं के अनुसार मेनहॉल में सुरक्षा सुनिश्चित की जा सकती है।

- I. मेनहॉल में पर्याप्त मात्रा में आवसीजन कम से कम 19.5 प्रतिशत मेनहॉल से सभी स्तर पर जैसे नीचे गह्य एवं शीर्ष पर होनी चाहिये। कम से कम आवश्यक ऑक्सीजन लेवल को सुनिश्चित करने के उपरान्त ही मेनहॉल में प्रवेश करें।
- II. सीवर लाईन में हवा प्रवेश कर सके इस हेतु डामने के कम से कम दो या तीन मेनहॉल (Up stream & Down stream) को खोलकर रखना चाहिये। इन मेनहॉलों का कार्य प्रारम्भ करने के कम से कम एक घण्टा पूर्व खोल कर रखा चाहिये।
- III. मेनहॉल खोलने के साथ-साथ उसकी सुरक्षा हेतु बेरिकेडिंग की जानी चाहिये जिससे गलती से कोई राहगीर उसमें गिर न सके। इस हेतु Dummy Cover with BRC welded fabric or wirenet का उपयोग किया जा सकता है। "Men at Work" का साईन बोर्ड भी लगाया जाना चाहिये।
- IV. मेनहॉल में ताजी हवा बनाने वाले वेन्टीलेशन प्रणाली से ब्लोवर का उपयोग कर मेनहॉल की सफाई से कम से कम 30 मिनट पूर्व किया जाना चाहिये।
- V. गैस से डिटेक्टर के माध्यम से मेनहॉल में गैस की ज्वलनशीलता को मापना चाहिये।
- VI. विविध गैस का टेस्ट/परीक्षण भी मेनहॉल में प्रवेश से पूर्व करना चाहिये।
- VII. मेनहॉल में उतरने से पूर्व कामगारों को सुरक्षा harness व lifeline का उपयोग करना चाहिये। कम से कम एक व्यक्ति का समर्थन/साथ मेनहॉल के बाहर रहना आवश्यक है। फॉलोअप का संवधानी से उपयोग करना चाहिये।

219

- VIII. मेनहॉल में कामगार के उतरने के साथ यह ध्यान रहे कि कोई भी सामग्री या उपकरण मेनहॉल में ना गिर पाये। इसको रोकने के लिये यह आवश्यक है, कि सामग्री एवं उपकरणों को मेनहॉल की edge से एक फीट दूर रखा जावे।
- IX. मेनहॉल के अन्दर आवश्यक औजारों को रस्सी एवं पुली की सहायता से अन्दर पहुँचावे।
- X. मेनहॉल सफाई के दौरान मेनहॉल में समुचित प्रकाश की व्यवस्था होनी चाहिये।
- XI. मेनहॉल सफाई के दौरान बाहर साईन बोर्ड (Caution Sign board) लगाया जाना आवश्यक है।
- XII. मेनहॉल के अन्दर स्पर्क, खुली आग एवं धूमपान प्रतिबन्धित हो।
- XIII. मेनहॉल में प्रवेश करने वाले कामगारों को सुरक्षात्मक गियर और समुचित उपकरण उपलब्ध करवाये जाने चाहिये।
- XIV. मेनहॉल के अन्दर साँस लेने की सुखा हेतु गैस मास्क उपयोग हेतु उपलब्ध होना चाहिए तथा मास्क का उपयोग करना कामगार को आना चाहिये एवं कामगार द्वारा फूल साइज जूते पहने होना चाहिए।

बड़े सीवर सिस्टम में प्रवेश से पूर्व Atmospheric monitoring devices with alarms with emergency escape breathing apparatus (EEBA) with at least 10 minutes air supply should be worn for escape seascape purposes.

सीवर सफाई में लगे कामगारों का साल में एक बार Health Check up होना चाहिए awareness प्रोग्राम किये जाने चाहिये जिससे सीवर दुर्घटनाओं को रोका जा सके।

(पुरुषोत्तम बियाणी)

निदेशक एवं संयुक्त सचिव

दिनांक :- 14/10/20

क्रमांक :- एक 55( ईजी/सीई/ओएलवी) / सीवर परिषद/ 15/ 22430-23109

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु :-

1. विशिष्ट सहायक, माननीय मंत्री महोदय, न. वि. एवं स्वायत्त शासन विभाग, राजस्थान।
2. निजी सचिव, प्रमुख शासन सचिव, स्वायत्त शासन विभाग, राजस्थान, जयपुर।
3. निदेशक एवं संयुक्त सचिव, स्थानीय निकाय, राजस्थान, जयपुर।
4. निजी सचिव, महापौर/समापति/अध्यक्ष, नगर निगम/परिषद/पालिका, समस्त राजस्थान।
5. शिक्षा कलेक्टर (समस्त), राजस्थान।
6. आयुक्त/अधिसापी अधिकारी, नगर निगम/परिषद/पालिका, समस्त राजस्थान।
7. कार्यवाही निदेशक, रफ़्तकीको।
8. अतिरिक्त निदेशक, स्वायत्त शासन विभाग।
9. मुख्य अभियन्ता, स्वायत्त शासन विभाग।
10. जलनिदेशक (क्षेत्रीय), स्थानीय निकाय विभाग, समस्त राजस्थान।
11. अतिरिक्त मुख्य अभियन्ता/अधीक्षक अभियन्ता/अधिसापी अभियन्ता नगर निगम/परिषद/पालिका (समस्त) राजस्थान।
12. स्वास्थ्य अभिभाषी (समस्त), नगर निगम/परिषद/पालिका राजस्थान।
13. शांतिनगर न्यायलय।

मुख्य अभियन्ता


 GOVERNMENT OF INDIA  
 MINISTRY OF EDUCATION  
 NEW DELHI

क्रमांक :- एफ 55/ (Engg./CE/DLB/15/ 94768-24948

दिनांक :- 16/11/15

विषय :- "हाथ से मेला ठोने वाले कार्मिकों के नियोजन का प्रतिषेध और उनका पुनर्वास अधिनियम 2013" (The Prohibition of Employment as Manual Scavengers and their Rehabilitation Act, 2013) की धारा 7 का नगरीय निकाय क्षेत्रों में अनुपालना सुनिश्चित करने वास्तु।

उपरोक्त विध्यान्तरगत भारत सरकार द्वारा केन्द्रीय स्तर से "हाथ से मेला ढोने वाले कार्मिकों के नियोजन का प्रतिषेध और उनका पुनर्वास अधिनियम 2013" (The Prohibition of Employment as Manual Scavengers and their Rehabilitation Act, 2013) अधिसूचना दिनांक 06.12.2013 जारी कर लागू किया जा चुका है तथा माननीय उद्योग न्यायालय में 'दायर रिट पीटिशन 30341 कर्मचारियों ऑलेखन व अन्य वनाम युनियन ऑफ इण्डिया व अन्य के आदेश दिनांक 27.03.2014 अनुसार अधिनियम की अनुपालना की जानी है। उपरोक्त अधिनियम की धारा 7 अनुसार कोई भी व्यक्ति, स्थानीय संस्था या अन्य एजेन्सी के लिए प्रत्यक्ष या अप्रत्यक्ष रूप से खतरनाक सफाई, सीवरज/सेप्टिक टैंक/मेनहोल सफाई के कार्य में लगा होना निषेध किया गया है। धारा 9 के अनुसार उपरोक्त धारा 7 के उल्लंघन पर जुर्माना तथा कठोर सजा का प्रावधान भी किया गया है।

संलग्न :- माननीय न्यायालय के आदेश की प्रति।

दिनांक - 16/11/15

क्रमांक :- एफ 55( ) Engg./CE/DLB/13/24949-25364

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु :-

- प्रतिनिधि सूचनार्थ एवं आवश्यक कार्यवाही हेतु :-
1. विशिष्ट सहायक, माननीय मंत्री महोदय, न. वि. एवं स्वायत्त शासन विभाग, राजस्थान।
  2. निजी सचिव, अतिरिक्त मुख्य सचिव, नगरीय विकास एवं आवासन विभाग, राजस्थान।
  3. निजी सचिव, प्रमुख शासन सचिव, स्वायत्त शासन विभाग, राजस्थान, जयपुर।

DACHAU, Germany (JGIM) — In a study published in the *Journal of General Internal Medicine*, researchers found that patients with chronic obstructive pulmonary disease (COPD) who were discharged from the hospital had a 25% higher risk of death than those who were not discharged. The study was conducted by a team of researchers from the University of California, San Francisco, and the University of California, Los Angeles. The researchers analyzed data from a large, multi-center study of patients with COPD who were hospitalized for an acute exacerbation. They found that patients who were discharged from the hospital had a 25% higher risk of death than those who were not discharged. The researchers also found that patients who were discharged from the hospital had a 15% higher risk of hospital readmission than those who were not discharged. The researchers concluded that patients with COPD who are discharged from the hospital should be closely monitored and supported to reduce the risk of death and hospital readmission.

राजस्थान सरकार  
स्वायत्त शासन विभाग

235

क्रमांक: एफ.55( )अभि./सीई/ डीएलबी/ 13-14/ MS Act 13/ 31436-644 दिनांक: 14/12/2013

1. जिला कलेक्टर,  
समस्त राजस्थान।  
आयुक्त/अधिक्षापी अधिकारी,  
नगर निगम/परिषद/पालिकायें,  
समस्त राजस्थान।

विषय: हाथ से मेला ढोने वाले कार्मिकों का प्रतिषेध एवं पुर्नवास अधिनियम, 2013  
अनुपालना के संबंध में माननीय उच्चतम न्यायालय द्वारा रिट याचिका  
(सिविल) संख्या 583/2003 सफाई कर्मचारी आंदोलन व अन्य बनाम  
भारत सरकार एवं अन्य में पारित निर्णय दिनांक 27.03.14 की पालना  
सुनिश्चित करने के संबंध में।

प्रसंग: विभाग का पूर्व समसंख्यक पत्रांक एफ 55 पीए( )/एसीई/ डीएलबी/  
13/ मैनुअल स्केवेन्जर्स/4202-4418 दिनांक 01.4.13 अतिरिक्त मुख्य  
सचिव महोदय के अ.शा. पत्रांक 6093-6125 दिनांक 12.07.13 एवं प्रमुख  
शासन सचिव, नगरीय विकास का अ.शा. पत्रांक 256288 दिनांक 4.1.12 एवं  
स्वायत्त शासन विभाग का पत्रांक एफ.55( )अभि./सीई/ डीएलबी/  
13-14/ MS Act 13/ 5472-687 दिनांक 21.02.2014 के क्रम में।

उपरोक्त विषयान्तर्गत एवं प्रासंगिक पत्रों के द्वारा पूर्व में अधिनियम 2013 की  
पालना के सन्दर्भ में विस्तृत दिशा-निर्देश प्रदान किये गये थे। माननीय उच्च न्यायालय  
के समक्ष सफाई कर्मचारी आन्दोलन द्वारा "हाथ से मेला ढोने के लिए नियुक्ति और शुष्क  
शौचालय निर्माण(प्रतिषेध) अधिनियम 1993" की पालना सुनिश्चित करने, शुष्क शौचालय  
निर्माण पर प्रतिबंध व हाथ से मेला ढोने की प्रथा बन्द करने व इन कार्मिकों का पुर्नवास  
करने के लिए निर्देश जारी करने हेतु प्रस्तुत की गई। उक्त रिट याचिका के लम्बित रहने  
के दौरान माननीय उच्चतम न्यायालय द्वारा विभिन्न अंतरिम आदेश पारित किये गये थे।  
इस दौरान भारत सरकार द्वारा " हाथ से मेला ढोने वाले कार्मिकों का प्रतिषेध एवं  
पुर्नवास अधिनियम 2013 पारित कर इसे 06.13.2013 को लागू करने के कारण माननीय  
उच्चतम न्यायालय द्वारा अधिनियम 1993 व 2013 के कियान्वयन के संबंध में  
दिशा-निर्देश पारित करते हुए उक्त रिटयाचिका सं.583/2003 को निर्णय दिनांक 27.03.  
2014 को पारित किया गया।

उक्त अधिनियम 2013 के मत्वपूर्ण प्रावधान निम्नानुसार है जिनकी पालना सुनिश्चित करने के संबंध में निम्न कार्यवाही शीघ्रता शीघ्र किया जावे।

1. धारा 2(1)(d)(c) एवं (g) में हैजाडिर्यस किलनिंग इनसेन्ट्रीलेट्रिन स्केलेन्जर को परिभाषित किया गा है।
2. धारा 4(1) के अन्तर्गत स्थानीय निकायों के स्तर पर अस्वच्छ शौचालयों का सर्वे तथा सामुदायिक स्वच्छ शौचालय उपलब्ध करवाने के संबंध में प्रावधान है। इस प्रावधान की पालना सुनिश्चित की जावे तथा अब तक की गई कार्यवाही के संबंध में पालना रिपोर्ट 15 दिवस प्रेषित की जावे।
3. धारा 4 (2) की पालना में सुनिश्चित करने हेतु अबतक कितने सामुदायिक शौचालय निर्मित किए गये इस संबंध में पालना रिपोर्ट 15 दिवस में प्रेषित की जावे।
4. अस्वास्थ्यकारी शौचालयों को चिह्नित कर इन्हें दुरस्त करवाने भवन मालिक द्वारा उन्हें दुरस्त नहीं किया जाने के संबंध में अबतक की गई कार्यवाही के सन्दर्भ में पालना रिपोर्ट 15 दिवस में प्रेषित की जावे।
5. सीवेज एवं सैप्टिक टैंक के आज तक सफाई कार्य में किसी व्यक्ति को नियुक्त नहीं किया जावे यथा संभव यांत्रिक आकरण इस कार्य हेतु आयोग में लाये जाने एवं इनकी सफाई व्यवस्था के समय सुरक्षा आकरण एवं संसाधन सफाई स्थल पर आवश्यक रूप से उपलब्ध करवाये जावे। इस संबंध में अब तक की गई कार्यवाही के संबंध में रिपोर्ट प्रेषित की जावे।
6. धारा 5 व 6 व 7 की अवहेलना करने के कारण धारा 8 व 9 के अन्तर्गत की गई कार्यवाही के संबंध में रिपोर्ट 1 माह में प्रेषित की जावे।
7. स्वच्छकारों के सर्वेक्षण एवं इनको पहचान-पत्र जारी करने के संबंध में रिपोर्ट 1 माह में प्रेषित की जावे।
8. रूल्स अगर एम.एस. योजना के अन्तर्गत स्वच्छकारों के पुर्नवास के संबंध में की गई कार्यवाही के संबंध में रिपोर्ट 1 माह में प्रस्तुत की जावे।
9. अस्वच्छकारी शौचालयों को जलप्रवाही शौचालयों में परिवर्तित करने के संबंध में अब तक की गई कार्यवाही के संबंध में 1 माह में रिपोर्ट प्रेषित करे।
10. धारा 13 व 17 के संबंध में अब तक की गई कार्यवाही की प्रगति रिपोर्ट 1 माह में प्रेषित की जावे।

उपरोक्त दिशा-निर्देशों की पालना माननीय उच्चतम न्यायालय द्वारा पारित निर्णय दिनांक 27.03.14 को दृष्टिगत रकते हुए आवश्यक रूप से की जावे। अतः माननीय उच्च न्यायालय के उक्त निर्णय का अध्ययन आवश्यक रूप से किया जाकर वांछित पालना रिपोर्ट निर्धारित अवधि में प्रेषित किया जाना सुनिश्चित करावे।

(पुरुषोत्तम बियाणी)

निदेशक एवं संयुक्त शासन सचिव

क्रमांक: एफ.55( )अभि./सीई/ डीएलबी/ 13-14/MS Act 13/31645-31906 दिनांक: 14/12/2015  
प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

1. निजी सचिव, सचिव, सामाजिक न्याय एवं अधिकारित मंत्रालय, भारत सरकार, शास्त्री भवन, दिल्ली-110001।
2. निजी सचिव, अतिरिक्त मुख्य सचिव, ग्रामीण विकास एवं पंचायती राज विभाग।
3. निजी सचिव, अतिरिक्त मुख्य सचिव, नगरीय विकास विभाग राजस्थान जयपुर।
4. निजी सचिव, प्रमुख शासन सचिव, स्वायत्त शासन विभाग राजस्थान जयपुर।
5. निजी सचिव, प्रमुख शासन सचिव, ग्रामीण विकास एवं पंचायती राज विभाग जयपुर।
6. निजी सचिव, प्रमुख शासन सचिव, प्रशासनिक सुधार विभाग, राजस्थान जयपुर।
7. निजी सचिव, आयुक्त व शासन सचिव, सामाजिक न्याय एवं अधिकारिता विभाग।
8. निजी सचिव, आयुक्त व शासन सचिव, पंचायतीराज विभाग, जयपुर।
9. महापौर/सभापति/अध्यक्ष, नगर निगम/परिषद/पालिकाएँ, समस्त राजस्थान।
10. समस्त संभागीय आयुक्त, राजस्थान।
11. समस्त उपखण्ड मजिस्ट्रेट, समस्त राजस्थान।
12. प्रबन्ध निदेशक, अनुसूचित जाति एवं जनजाति वित्त एवं विकास निगम लि. जयपुर।
13. उप निदेशक (क्षेत्रीय), स्थानीय निकाय विभाग, समस्त राजस्थान।
14. सुरक्षित पत्रावली।

(क.क. शर्मा)  
मुख्य अभियन्ता

## 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. Tax exemption/ Tax liabilities if any shall be applicable as per prevailing government rule and bidder has to consider this while quoting the rates.
6. 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.
7. The rate quoted by the contractor shall remain valid for a period of 120 days from the date of opening of the tenders.
8. 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.
9. No conditions are to be added by the contractor and conditional tender is liable to be rejected.
10. 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.
11. 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
12. 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.
13. 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.
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. The rates provided in Bid documents are inclusive of all Taxes, royalty.
16. 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.
17. Undersigned has full right to reject any or all Bids without given any reasons.
18. Mortar of Masonry work and lean concrete will be permitted mixer with hopper.
19. 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."
20. The Bidder are required to submit copy of their enlistment as contractor.
21. Conditions of RPWA-100 will be mandatory & acceptable to the contractor.
22. 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.
23. 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-I)  
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)**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## SCHEDULE - II

[Reference Clause 3(b)]

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

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

**Signature of Bidder**

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

[Reference Clause 3(d)]

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 Trolly and blade            | 1No                 |              |        |
| 4   | Diesel operated dewatering pump.         | 1No                 |              |        |
| 5   |                                          |                     |              |        |
| 6   |                                          |                     |              |        |

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)

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## 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**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**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**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

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. 50/- 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.**

## **ANNEXURE- II**

### **Bank Guarantee Performa for Bid security deposit**

Form of (Bank Guarantee) -En cashable at branch of the bank in Jaipur City.

To  
Secretary,  
Jaipur Development Authority,  
Jaipur

Sub:

Bank Guarantee No. \_\_\_\_\_ dated \_\_\_\_\_ for [amount of Security in figures] [in words] on behalf of \_\_\_\_\_ [Name of the Bidder] against the Security Deposit for the work of **“Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.”**

WHEREAS, \_\_\_\_\_ [name of Bidder with address] (**hereinafter called “the Bidder”**) has submitted his Bid dated ..... for the work of **“Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.” (Name of Work)** (Hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that we \_\_\_\_\_  
\_\_\_\_\_ (Name of Bank) of having our registered office at \_\_\_\_\_ [name of country] having our registered office at \_\_\_\_\_ (hereinafter called “the Bank”) are bound unto Secretary, Jaipur Development Authority. (Hereinafter called “the Employer”) in the sum of Rupees \_\_\_\_\_ **[Amount of Security in figures]** \_\_\_\_\_ (in words) only for which payment will and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents.

That on demand of JDA , this Bank Guarantee is encashable at following branch in Jaipur City.

1. Name of Bank:
2. Name of the branch with branch code:
3. Address:
4. E-Mail Id:
5. Telephone No.
6. Fax No.:

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ of 20\_\_\_\_.

THE CONDITIONS of this obligation are:

- (1) if the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;
- (2) if the Bidder refuses to accept the correction of errors in his bid;

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

- (3) If the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity;
- (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or more of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 30 days after the date of expiration of the Bid Validity, as stated in the Instructions to Bidders, or any such extension thereto as may be agreed by the Bidder, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

The amount covered under the above Bank Guarantee shall be automatically be credited in the accounts of JDA in ICICI Bank, JDA Campus, Jaipur through ISFC code No ICICI 006754. Bank Account No. 675401700518 on the date of expiry or its validity, unless the agencies get it re-validated well before its expiry date or produce NOC from JDA in written for its release.

Date \_\_\_\_\_ Signature of the Bank \_\_\_\_\_

Witness \_\_\_\_\_ Seal \_\_\_\_\_

[Signature, Name and Address]

[Note: To be furnished on appropriate non-judicial stamps.]

## **PAYMENT MECHANISM FOR PARTICIPATING IN TENDER**

Jaipur Development Authority has decided to receive Earnest Money Deposit (EMD) (Bid Security) Tender fee online through JDA portal. The bid security options available in tender for participants are as mentioned below :

### **A. Payment Options:**

#### **Option-1: Bank Guarantee (BG). against EMD / Bid Security**

Bidder may opt Bank Guarantee (BG) against EMD (Bid Security) for which bidder requires to prepare BG before applying in the tender. The details of BG requires to be fed on JDA portal before paying balance amount (Tender Fee). This amount will be paid through **Payment Gateway only**, option to make balance payment through EFT (RTGS/NEFT) will not be available

If bidder does not opt for BG against EMD, options of making complete payment through Payment Gateway or through EFT (NEFT/RTGS) will be available

#### **Option-2: Electronic Fund Transfer (EFT: NEFT/RTGS)**

If the bidder selects payment mode as EFT (NEFT/RTGS) **"Paying Slip for EFT (NEFT/RTGS)"** will be generated by the system for the complete amount. The payment can be made from **any Bank any Branch** using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 2 days prior to closing date of bid participation.

#### **Option-3: Payment Gateway (Aggregator)**

The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from **anywhere any time** till the closing date & time of bid participation

### **B. Bid Participation Receipt**

After confirming payment, the bidder will get Bid Participation Receipt on the basis of which user will get the payment details along with other details for bidding on e-Procurement portal of GOR

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

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## **Section A6**

### **Drawings**

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.



**J.D.A.**

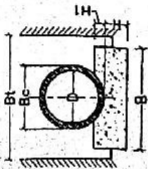
**TRENCH EXCAVATION FOR SEWER**

| S.NO. | SIZE OF PIPE (I.D.) | B    | H   |
|-------|---------------------|------|-----|
| 1     | 150 (S.W.)          | 580  | 100 |
| 2     | 200 (S.W.)          | 632  | 100 |
| 3     | 250 (RCC)           | 680  | 100 |
| 4     | 300 (RCC)           | 730  | 100 |
| 5     | 350 (RCC)           | 780  | 100 |
| 6     | 400 (RCC)           | 830  | 100 |
| 7     | 450 (RCC)           | 880  | 100 |
| 8     | 500 (RCC)           | 930  | 100 |
| 9     | 600 (RCC)           | 1030 | 100 |
| 10    | 700 (RCC)           | 1130 | 100 |
| 11    | 800 (RCC)           | 1230 | 100 |
| 12    | 900 (RCC)           | 1330 | 100 |
| 13    | 1000 (RCC)          | 1430 | 100 |
| 14    | 1100 (RCC)          | 1530 | 100 |
| 15    | 1200 (RCC)          | 1630 | 100 |
| 16    | 1400 (RCC)          | 1830 | 100 |
| 17    | 1600 (RCC)          | 2030 | 100 |

**CONSTRUCTIONAL DETAILS FOR RCC NP2 CLASS PIPES**

| S.NO. | D    | Bc   | Bt   | B    | H   | H1  | Value of x for various invert depth |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |
|-------|------|------|------|------|-----|-----|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|
|       |      |      |      |      |     |     | 2.5                                 | 2.8 | 3.1 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 4.9 | 5.2 | 5.5 | 5.8 | 6.1 | 6.4 | 6.7 | 7.0 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 | 8.8 | 9.1 | 9.4 | 9.7 | 10.0 |  |  |
| 1     | 150  | 200  | 750  | 580  | 100 | 45  | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |      |  |  |
| 2     | 200  | 250  | 750  | 630  | 100 | 65  | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 3     | 250  | 300  | 750  | 500  | 100 | 75  | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 4     | 300  | 360  | 750  | 560  | 100 | 90  | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 5     | 350  | 414  | 750  | 614  | 100 | 105 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 6     | 400  | 464  | 800  | 684  | 100 | 120 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 7     | 450  | 520  | 850  | 720  | 115 | 130 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 8     | 500  | 570  | 900  | 770  | 125 | 145 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 9     | 600  | 690  | 1100 | 890  | 150 | 170 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 10    | 700  | 800  | 1200 | 980  | 175 | 185 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 11    | 800  | 900  | 1400 | 1125 | 200 | 225 | 0                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 12    | 900  | 1010 | 1500 | 1285 | 225 | 250 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 13    | 1000 | 1120 | 1600 | 1400 | 250 | 280 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 14    | 1100 | 1230 | 1700 | 1540 | 275 | 305 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 15    | 1200 | 1340 | 1800 | 1675 | 300 | 335 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 16    | 1400 | 1550 | 2050 | 1960 | 350 | 390 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |
| 17    | 1600 | 1760 | 2260 | 2200 | 400 | 440 | -                                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |      |  |  |

FOR TENDER PURPOSE ONLY



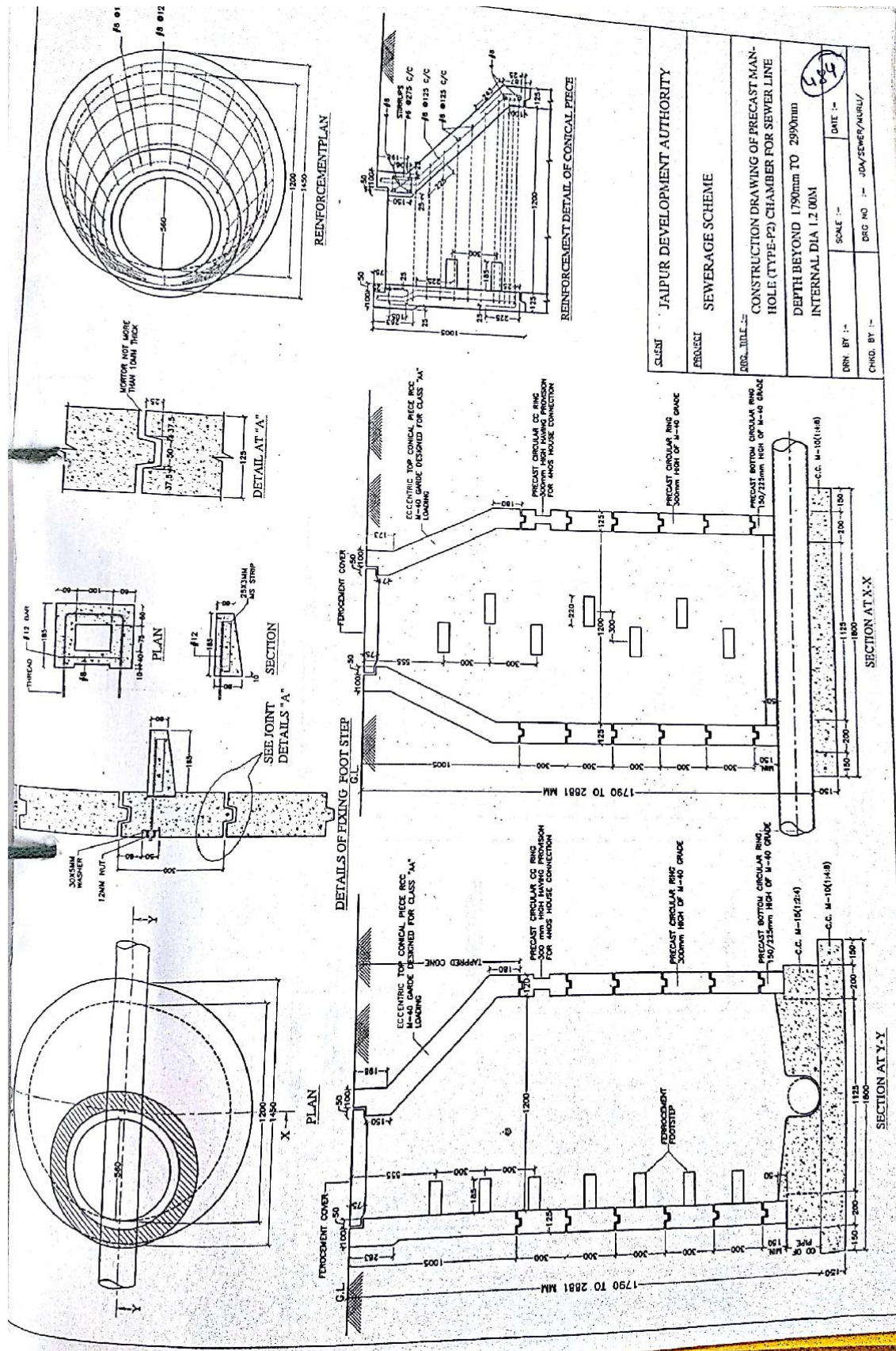
PLAIN CEMENT CONCRETE CRADLE BED AND ENCASEING OF RCC PIPES

|                         |                                                                         |         |
|-------------------------|-------------------------------------------------------------------------|---------|
|                         | JAIPUR DEVELOPMENT AUTHORITY                                            |         |
|                         | DETAILS FOR TRENCH EXCAVATION, CRADLE CONCRETING AND RCC PIPE ENCASEING |         |
| ZONAL ENGINEER, PHE (I) |                                                                         | DATE :- |
| DRG. NO. 1-BJA/29/24/   |                                                                         | 1/2     |

CLIENT: JAIPUR DEVELOPMENT AUTHORITY  
 PROJECT: SEWERAGE SCHEME  
 DRAWING TITLE: HOUSE SEWER CONNECTION ARRANGEMENT  
 DATE: --  
 SCALE: --  
 DRAWN BY: --  
 CHECKED BY: --  
 DATE: --  
 SCALE: --  
 DRAWN BY: --  
 CHECKED BY: --

79

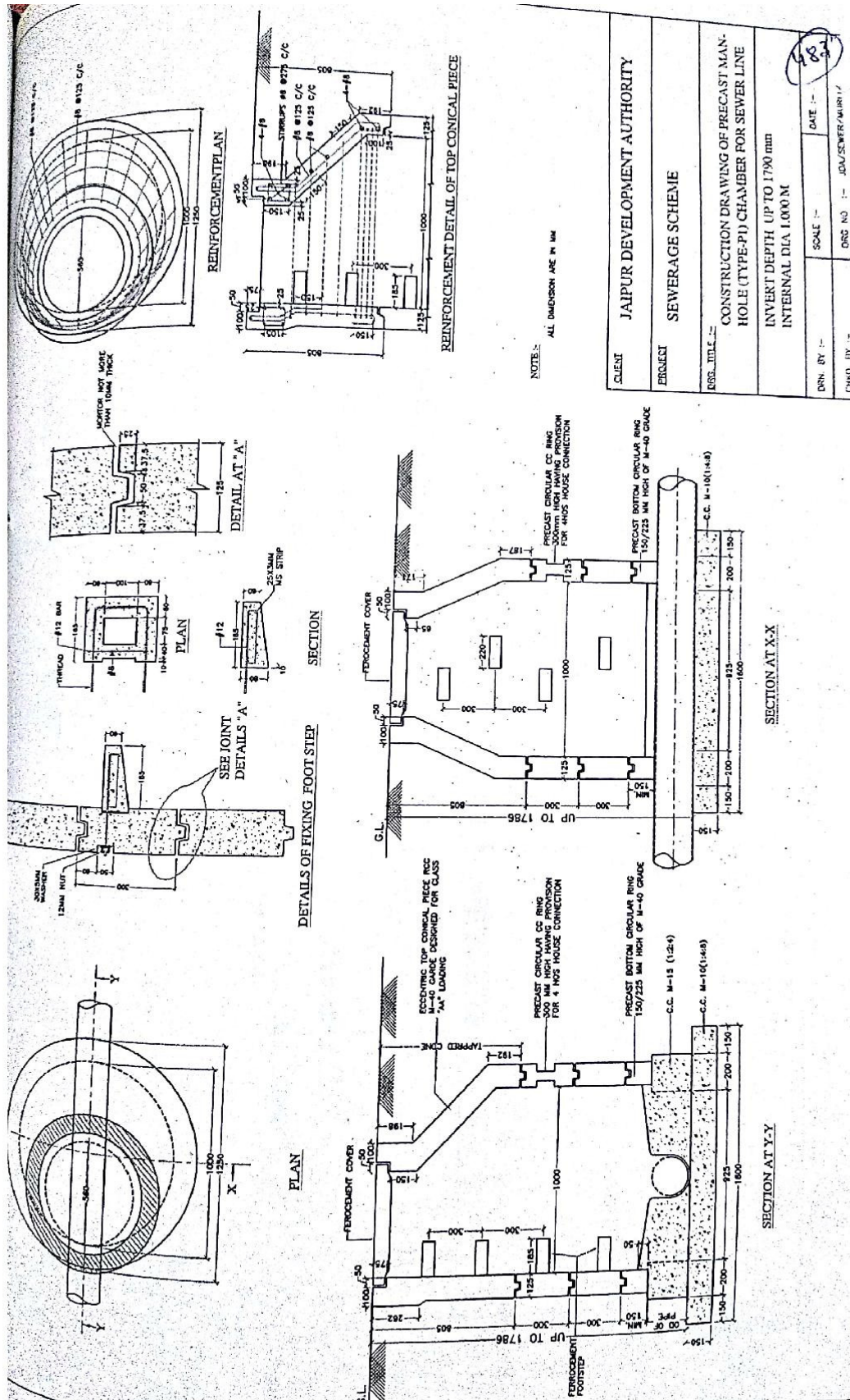
Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.



Scanned by CamScanner

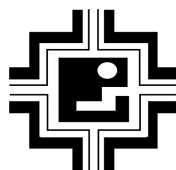
Technical drawing of a precast manhole chamber for a sewer line. The drawing includes a plan view, a section view, and a reinforcement detail. The plan view shows a circular chamber with a diameter of 1500 mm and a depth of 2990 mm. The section view shows the chamber with a depth of 2990 mm and a diameter of 1500 mm. The reinforcement detail shows the internal structure of the chamber, including the reinforcement bars and the concrete cover. The drawing is titled 'CONSTRUCTION DRAWING OF PRECAST MANHOLE (TYPE-13) CHAMBER FOR SEWER LINE' and includes a scale of 1:500. The drawing is dated 10/10/2010 and is prepared by JDA/SEWER/AUR/LU.

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.



Scanned by CamScanner

# **JAIPUR DEVELOPMENT AUTHORITY**



## **Tender Document**

**For**

**Name of work :** Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

**Cost: Rs. 396.75 Lacs**

NIT No. 07/2020-21

Due On: 22.12.2020

**Volume-II**

**Envelope 'A' (Financial)**

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

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

## Jaipur Development Authority, Jaipur

Name of Work:- Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

### G-Schedule

Based on JDA PHE BSR

| S.No. | Particulars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Qty     | Unit | Rate    | Amount     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|---------|------------|
| 1     | Providing, laying and jointing of 200 mm diameter full round HDPE DWC (double wall corrugated) pipes of SN8 grade as per IS 16098 (Part 2) amended upto date in trenches with providing & laying 10 cm thick and 63 cm wide granular bedding with graded hard crusher broken stone aggregate 20mm (nominal size) bedding in complete including all material, labour, hydraulic testing of sewer line including cost of water and equipment required for testing & commissioning as per Technical Specifications, drawings and as per direction of Engineer. 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: |         |      |         |            |
| 1.1   | At av. Depth 0.9 meter [From 0.90 m to 1.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1128.00 | Mtr. | 564.00  | 636192.00  |
| 1.2   | At av. Depth 1.2 meter [From 1.20 m to 1.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3934.00 | Mtr. | 589.00  | 2317126.00 |
| 1.3   | At av. Depth 1.5 meter [From 1.50 m to 1.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1975.00 | Mtr. | 613.00  | 1210675.00 |
| 1.4   | At av. Depth 1.8 meter [From 1.80 m to 2.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1329.50 | Mtr. | 818.00  | 1087531.00 |
| 1.5   | At av. Depth 2.1 meter [From 2.10 m to 2.39 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1968.00 | Mtr. | 872.00  | 1716096.00 |
| 1.6   | At av. Depth 2.4 meter [From 2.40 m to 2.69 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1305.50 | Mtr. | 937.00  | 1223253.50 |
| 1.7   | At av. Depth 2.7 meter [From 2.70 m to 2.99 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1553.00 | Mtr. | 1003.00 | 1557659.00 |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |      |        |           |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--------|-----------|
| 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 confirming 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]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1084.50 | Mtr. | 731.00 | 792769.50 |
| 2.2 | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 801.00  | Mtr. | 800.00 | 640800.00 |
| 2.3 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 348.00  | Mtr. | 834.00 | 290232.00 |
| 2.4 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 276.00  | Mtr. | 879.00 | 242604.00 |
| 2.5 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 174.00  | Mtr. | 924.00 | 160776.00 |
| 2.6 | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75.00   | Mtr. | 969.00 | 72675.00  |
| 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 1.8 meter [From 1.80 m to 2.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 37.50   | Mtr. | 601.00 | 22537.50  |
| 3.2 | At av. Depth 2.1 meter [From 2.1 m to 2.39 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30.50   | Mtr. | 612.00 | 18666.00  |
| 3.3 | At av. Depth 2.4 meter [From 2.40 m to 2.69 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 61.50   | Mtr. | 650.00 | 39975.00  |
| 3.4 | At av. Depth 2.7 meter [From 2.70 m to 2.99 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 256.00  | Mtr. | 689.00 | 176384.00 |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |      |         |           |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|-----------|
| 3.5 | At av. Depth 3.0 meter [From 3.00 m to 3.29 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 57.50  | Mtr. | 729.00  | 41917.50  |
| 3.6 | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 290.00 | Mtr. | 789.00  | 228810.00 |
| 3.7 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 82.50  | Mtr. | 839.00  | 69217.50  |
| 3.8 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 61.50  | Mtr. | 873.00  | 53689.50  |
| 3.9 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 67.00  | Mtr. | 918.00  | 61506.00  |
| 4   | Providing Laying and Jointing of 300mm 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 50 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)  |        |      |         |           |
| 4.1 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 170.50 | Mtr. | 953.00  | 162486.50 |
| 4.2 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 243.50 | Mtr. | 982.00  | 239117.00 |
| 4.3 | At av. Depth 4.8 meter [From 4.80 m to 5.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 85.50  | Mtr. | 1153.00 | 98581.50  |
| 4.4 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 330.50 | Mtr. | 1032.00 | 341076.00 |
| 4.5 | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 18.00  | Mtr. | 1077.00 | 19386.00  |
| 5   | Providing Laying and Jointing of 350 mm 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 50 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) |        |      |         |           |
| 5.1 | At av. Depth 3.0 meter [From 3.00 m to 3.29 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 18.00  | Mtr. | 978.00  | 17604.00  |
| 5.2 | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 264.00 | Mtr. | 1038.00 | 274032.00 |
| 5.3 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 90.50  | Mtr. | 1088.00 | 98464.00  |
| 5.4 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 36.50  | Mtr. | 1111.00 | 40551.50  |
| 5.5 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 53.50  | Mtr. | 1167.00 | 62434.50  |
| 5.6 | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 241.50 | Mtr. | 1212.00 | 292698.00 |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |      |         |            |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|------------|
| 5.7 | At av. Depth 4.8 meter [From 4.80 m to 5.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 72.00  | Mtr. | 1288.00 | 92736.00   |
| 6   | Construction of Pre-cast RCC M-40 grade circular manhole chamber up to invert depth 1.79 meter having 1000 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 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)             |        |      |         |            |
| 6.1 | For 200 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |      |         |            |
| 6.2 | At av. Depth 0.9 meter [From 0.9 m to 1.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 60.00  | EACH | 6612.00 | 396720.00  |
| 6.3 | At av. Depth 1.2 meter [From 1.20 m to 1.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 205.00 | EACH | 7239.00 | 1483995.00 |
| 6.4 | At av. Depth 1.5 meter [From 1.50 m to 1.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 103.00 | EACH | 8292.00 | 854076.00  |
| 7   | 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 1200 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 |        |      |         |            |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |      |          |            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------|------------|
|      | Dt. 28.04.2008)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |      |          |            |
| 7.1  | For 200 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |      |          |            |
| 7.2  | At av. Depth 1.8 meter [From 1.80 m to 2.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 70.00  | EACH | 10451.00 | 731570.00  |
| 7.3  | At av. Depth 2.1 meter [From 2.10 m to 2.39 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 102.00 | EACH | 11695.00 | 1192890.00 |
| 7.4  | At av. Depth 2.4 meter [From 2.40 m to 2.69 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 67.00  | EACH | 12941.00 | 867047.00  |
| 7.5  | At av. Depth 2.7 meter [From 2.70 m to 2.99 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 84.00  | EACH | 14188.00 | 1191792.00 |
| 7.6  | For 250 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |      |          |            |
| 7.7  | At av. Depth 1.8 meter [From 1.80 m to 2.09 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.00   | EACH | 10496.00 | 20992.00   |
| 7.8  | At av. Depth 2.1 meter [From 2.10 m to 2.39 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.00   | EACH | 11739.00 | 23478.00   |
| 7.9  | At av. Depth 2.4 meter [From 2.40 m to 2.69 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.00   | EACH | 12985.00 | 38955.00   |
| 7.10 | At av. Depth 2.7 meter [From 2.70 m to 2.99 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14.00  | EACH | 14232.00 | 199248.00  |
| 8    | 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 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, for following average Invert depths: (D-142 Dt. 28.04.2008) |        |      |          |            |
|      | For 200 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |      |          |            |
| 8.1  | At av. Depth 3.0 meter [From 3.00 m to 3.29 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 59.00  | EACH | 18585.00 | 1096515.00 |
| 8.2  | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 43.00  | EACH | 20098.00 | 864214.00  |
| 8.3  | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19.00  | EACH | 21628.00 | 410932.00  |
| 8.4  | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13.00  | EACH | 23154.00 | 301002.00  |
| 8.5  | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.00   | EACH | 24681.00 | 222129.00  |
| 8.6  | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4.00   | EACH | 26603.00 | 106412.00  |
|      | For 250 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |      |          |            |
| 8.7  | At av. Depth 3.0 meter [From 3.00 m to 3.29 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.00   | EACH | 18536.00 | 55608.00   |
| 8.8  | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16.00  | EACH | 20049.00 | 320784.00  |
| 8.9  | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5.00   | EACH | 21579.00 | 107895.00  |
| 8.10 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.00   | EACH | 23106.00 | 69318.00   |
| 8.11 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.00   | EACH | 24633.00 | 73899.00   |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |              |          |            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|------------|
|      | For 300 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |              |          |            |
| 8.12 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 9.00     | EACH         | 21686.00 | 195174.00  |
| 8.13 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 13.00    | EACH         | 23213.00 | 301769.00  |
| 8.14 | At av. Depth 4.8 meter [From 4.80 m to 5.09 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 5.00     | EACH         | 28166.00 | 140830.00  |
| 8.15 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 17.00    | EACH         | 24740.00 | 420580.00  |
| 8.16 | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00     | EACH         | 26660.00 | 26660.00   |
|      | For 350 mm dia Sewer line                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |              |          |            |
| 8.17 | At av. Depth 3.0 meter [From 3.00 m to 3.29 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00     | EACH         | 18225.00 | 18225.00   |
| 8.18 | At av. Depth 3.3 meter [From 3.30 m to 3.59 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 14.00    | EACH         | 19738.00 | 276332.00  |
| 8.19 | At av. Depth 3.6 meter [From 3.60 m to 3.89 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 5.00     | EACH         | 21270.00 | 106350.00  |
| 8.20 | At av. Depth 3.9 meter [From 3.90 m to 4.19 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 2.00     | EACH         | 22797.00 | 45594.00   |
| 8.21 | At av. Depth 4.2 meter [From 4.20 m to 4.49 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 3.00     | EACH         | 24324.00 | 72972.00   |
| 8.22 | At av. Depth 4.5 meter [From 4.50 m to 4.79 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 12.00    | EACH         | 26243.00 | 314916.00  |
| 8.23 | At av. Depth 4.8 meter [From 4.80 m to 5.09 m]                                                                                                                                                                                                                                                                                                                                                                                                             | 4.00     | EACH         | 27750.00 | 111000.00  |
| 9    | Providing and fixing unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality/make                                                                                                                                                                                                                                                                                        |          |              |          |            |
| 9.1  | 110 mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 21450.00 | Mtr.         | 198.00   | 4247100.00 |
| 10   | Providing and fixing unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality/make. Socket Plug                                                                                                                                                                                                                                                                  |          |              |          |            |
| 10.1 | 110 mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4875.00  | EACH         | 43.20    | 210600.00  |
| 11   | 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 Mtr. including taking out the excavated soil, and then returning the soil as required in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus excavated soil as directed within a lead of 50 Mtr.: All kinds of soil |          |              |          |            |
| 11.1 | Pipes cables, etc. exceeding 80mm dia but not exceeding 300mm dia                                                                                                                                                                                                                                                                                                                                                                                          | 21450.00 | Mtr.         | 117.00   | 2509650.00 |
| 12   | Labour charges for making connection of sewer line through main hole.                                                                                                                                                                                                                                                                                                                                                                                      | 4875.00  | EACH         | 340.20   | 1658475.00 |
| 13   | Barricating with Sal ballies as per design including tying with vertical post by coconut strings including digging out holes in all types of soil complete in all respect with two horizontal members height 1.2 m upto 1.5m above ground level and vertical supports upto 2.5 centre and upto 3 days period including removal and cleaning the site complete in all respect & including dressing of sides in all types of soil.                           |          |              |          |            |
| 13.1 | Hire charges subsequent days (Per Day)                                                                                                                                                                                                                                                                                                                                                                                                                     | 40483.00 | Mtr. Per Day | 14.85    | 601172.55  |
| 13.2 | Add extra in barricating for each subsequent day after 3 days                                                                                                                                                                                                                                                                                                                                                                                              | 4048.00  | Mtr. Per Day | 0.99     | 4007.52    |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |     |         |           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|---------|-----------|
| 14   | Water Bound Macadam Sub-base/base<br>WBM Grading 1<br>Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per MoRD Specification Clause 404. using Hand broken aggregate | 400.00 | Cum | 702.00  | 280800.00 |
| 15   | WBM Grading 2<br>Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per MoRD Specification Clause 405. Using Hand Broken Aggregate By Manual Means                            | 300.00 | Cum | 796.50  | 238950.00 |
| 16   | WBM Grading 3<br>Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per MoRD Specification Clause 405. using Crusher broken aggregate                                                           |        |     |         |           |
| 16.1 | By Manual Means                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 300.00 | Cum | 1071.00 | 321300.00 |
| 17   | CEMENT CONCRETE (CAST-IN-SITU)<br>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 M20 grade Nominal Mix                                                                                                                                                                                                                                                                                                           |        |     |         |           |
| 17.1 | 1: 1.5: 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 180.00 | Sqm | 3246.30 | 584334.00 |
| 17.2 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 135.00 | Sqm | 2058.30 | 277870.50 |

Providing, laying and jointing of lateral sewer line with construction of pre-cast manholes in remaining area of JDA Sector-29 under Jurisdiction of PHE-I, Jaipur.

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |            |                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|--------------------|
| 18           | Providing, fixing and erecting precast RCC (M20) Vent shaft with cowl, 125 mm and 225 mm internal and external dia respectively at top, 300 mm and 450 mm internal and external dia at bottom and 9.0 m over all length, bottom 1.175 m below ground level fixed in the pit 900 mm x 900 mm x 1500 mm with PCC M 15, 250 mm in bed and minimum 200 mm all around with top 150 mm in PCC M 15 with 20 mm nominal size graded stone aggregate, junction of vent shaft and concrete grouted with cement mortar 1:4, including making connection with sewer manhole with 150 mm dia NP2 RCC pipe (IS 458-amended upto date) as required including Type-A bedding complete as per standard design and finished with water proofing cement of approved brand as per drawings and/or as directed by Engineer.Note: Only Excavation work will be measured and paid separately. | 7.00 | EACH | 22044.00   | 154308.00          |
| <b>Total</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      | <b>Rs.</b> | <b>38148699.57</b> |
| <b>Say</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      | <b>Rs.</b> | <b>38148700.00</b> |

Executive Engineer ( PHE-1)  
JDA, Jaipur

I/We quoted rates ..... % Above/Below G-Schedule

In words .....

Signature of Contractor