

जयपुर विकास प्राधिकरण, जयपुर

First Floor, JB-FF-107, Court Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru, Marg, Jaipur - 302004

क्रमांक: जविप्रा/अ.अ.-6/2025-26/डी-857

दिनांक :-26.09.2025

निविदा सूचना

निविदा सूचना: जविप्रा अधि.अभि.-6/20/2025-26

जयपुर विकास प्राधिकरण द्वारा “ Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II” जिसकी अनुमानित लागत राशि रु. 3171.27 लाख के लिए ऑनलाईन बिड्स दिनांक 21.10.2025 को सायं 6:00 बजे तक आमन्त्रित की जाती है। निविदा बोली का ऑनलाईन आवेदन व भुगतान जविप्रा पोर्टल पर करने की अन्तिम तिथि 21.10.2025 को सायं 6.00 बजे तक है। निविदा बोली के दस्तावेजों का विस्तृत विवरण www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in पर देखा जा सकता है।

(UBN No. **JDA2526WLOB00440**)

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

1. निविदादाता जयपुर विकास प्राधिकरण की वेबसाइट 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 निविदादाताओं का राजस्थान सरकार के ई-प्रोक्यूरमेंट पोर्टल www.eproc.rajasthan.gov.in पर पंजीकृत हो।

अधिशायी अभियन्ता-6
जविप्रा, जयपुर।

JAIPUR DEVELOPMENT AUTHORITY

First Floor, JB-FF-107, Court Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal
Nehru, Marg, Jaipur – 302004

Telephone: +91-141-2569696 e.mail: SANDEEPGUPTA7111@RAJASTHAN.GOV.IN

No.:JDA/EE-6/2025-26/D-857

Dated : - 26.09.2025

NOTICE INVITING BID

NIB No.: JDA/EE-6/20/2025-26

UBN No.: **JDA2526WLOB00440**

Online Bids are invited up-to 06:00 PM of 21/10/2025 for **“Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II.”** The last date for Applying Bid and making online payment on JDA portal is up-to 06:00 PM of 21/10/2025. The estimated cost of NIB is **Rs. 3171.27 Lacs**. Details may be seen in the Bidding Document at our office or the State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in/jda

To participate in the bid, bidder must:

- A. Participate in Tender & Deposit Payment on ‘Online Tender Participation’ Portal of JDA at <https://jda.urban.rajasthan.gov.in/jda> or by Single-Sign-On at <http://service.jaipurjda.org>.
- B. Submit e-Bid on ‘e-Procurement Portal’ of GOR at www.eproc.rajasthan.gov.in

Executive Engineer-6

OFFICE OF THE JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

NIB No.- JDA/EE-6/20/2025-26	
Name & Address of the Procuring Entity	➤ Name: Executive Engineer Zone-6[Inviting Authority] First Floor, JB-FF-107, Cot Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru, Marg, Jaipur – 302004 Telephone: +91-141-2569696 e.mail: SANDEEPGUPTA7111@RAJASTHAN.GOV.IN ➤
Name of work	➤ Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II
Bid Procedure	➤ Two part [Like Single-stage Two part open competitive eBid procedure at http://eproc.rajasthan.gov.in]
Bid Evaluation Criteria (Selection Method)	➤ L-1 [Like Least Cost Based Selection (LCBS)-L1]
Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.	➤ Websites: www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in, www.jda.urban.rajasthan.gov.in
Estimated Procurement Cost	➤ INR 3171.27 Lacs (Thirty One crore Seventy One Lacs Twenty seven Thousand only)
Website for online Bid application and payment *	➤ Website: www.jda.urban.rajasthan.gov.in ➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee and Bid Security Deposit, online only. ○ Bidding document fee: Rs. 2000.00 ○ RISL Processing Fee: Rs. 2500.00 ○ Requisite Bid Security Deposit. ○ The Bidders are required to submit Bid security, cost of Bidding documents, and Bid processing fees through online payment after registering with JDA on www.jaipurjda.org/e-services/e-tender portal. There should be a gap of 3 working days between the End date for Bid Applying, Online Payment & Bid Submission and Bid Opening date. In the absence of the requisite fee, the bid of the concerned bidder will be considered as non-responsive and shall be liable for rejection ○
Bid Security Deposit (in favor of Secretary, JDA, Jaipur)	➤ Amount (INR: 2% (Rs.63,42,540.00) For AA class contractors registered in the appropriate class with CPWD, Postal, Telegram, Railway, MES, Other State Government/Central Government undertakings/organizations of Estimated Procurement Cost. (The bidder must capable to bid in the bid as per their enlistment) ➤ 0.5 % (Rs 15,85,635.00) for Bidder registered as a contractor in the appropriate class in JDA (AA Class). ➤ In case of Departments of the State Government and undertakings, Corporations, Autonomous bodies, Registered Societies, Cooperative Societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government shall submit a bid securing declaration in lieu of bid security. ➤ If a joint Venture is allowed in the Bid then 2% (Rs. 6342540.00) shall be deposited by bidders (Joint Venture firm)

Start/ End Date for Bid Applying Bid and making Online Payment on JDA portal*	➤ Start Date: 01/10/2025 at 09:30 AM onwards ➤ End Date: 21/10/2025 at 06:00 PM ➤ In case EMD in form BG Original Bank Guarantee is to be submitted in room No. 215N Extension building, JDA, JLN marg, Jaipur by 24.10.2025 from 9.30 AM to 28.10.2025 up to 6.00 PM (within three working days from the last date of submission of bid.)
Bid Submission on e-Procurement Portal of GOR**	➤ Start Date: 01/10/2025 at 09:30 AM onwards ➤ End Date: 21/10/2025 at 06:00 PM
Date/Time/Palace of pre-Bid	➤ Date: 10.10.2025 at 11:30 AM in Manthan hall JDA Jaipur
Date/ Time/ Place of Technical Bid Opening	29/10/2025 at 12:30 PM First Floor, JB-FF-107, Court Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru, Marg, Jaipur – 302004 Telephone: +91-141-2569696
Date/ Time/ Place of Financial Bid Opening	➤ Will be intimated later to the Technically qualified bidders
Bid Validity	➤ 120 days from the bid submission deadline
Time Period	➤ 12 Months
A&F/Job No.	➤ 276/2024-25

Procedure for bidding:

Single part bid system:

Single part (Two-envelope) (2 docket) system would be adopted, Docket-1 being for Documents and Docket-2 being for Financial Bid.

Docket-1:- is for proof of deposition of Bid Security, cost of bidding document and bid processing fee along with copy of GST registration, signed Annexure “B” and copy of enlistment as contractor/ bidder in required category.

Docket-2:- is for financial bid.

The financial bid will be opened only for bidders whose proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in the required category and signed Annexure “B” are found to be in order. Bid Security will be accepted only in the form of online deposition or in the form of Bank Guarantee.

1. Two-part bid system:

Two part (Two-envelope) (2 docket) system would be adopted, Docket-1 being for Technical Bid and Docket-2 being for Financial Bid.

Docket-1:- There will be three separate folders- Folder-1 is for proof of deposition of Bid Security, cost of bidding document and bid processing fee alongwith copy of GST registration, signed Annexure “B” and copy of enlistment as contractor/ bidder in required category. Folder-II is for bid document and folder-III is for technical bid.

Docket-2:- There will two separate folders-1 is for financial bid and 2 is for bill of quantities.

The technical bid will be opened only for bidders whose proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in the required category and signed Annexure “B” are found to be in order. Bid Security will be accepted only in the form of online deposition or in the form of Bank Guarantee

SCHEDULE AND SPECIFICATIONS

SCHEDULE – A: INFORMATION USEFUL FOR THE CONTRACTORS:

The bidder should see the site and fully understand the conditions of the site before bidding and include all leads, lift etc for the material in his item rate/percentage to be quoted on the rates given in Schedule 'G'. The work shall be carried out in accordance with the Rajasthan PWD detailed specification and to the entire satisfaction of the Engineer – In – Charge of the work.

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

The drawing may be seen in the office of the undersigned.

SCHEDULE – C: LIST OF THE DRAWING TO BE SUPPLIED BY THE CONTRACTOR: List of the drawing to be supplied by the contractor NIL. But the contractor shall have to arrange at his own cost drawings required for the work after deposition necessary cost with JDA.

SCHEDULE - D: TEST OF THE MATERIALS:

The test of the materials and workmanship shall be conducted by the JDA staff as necessary. The result of such tests should confirm to the standards laid down in the Indian standard & or the standards laid down in the detailed specifications of the work by the contractor. Qualified personnel required as per the contractor enlistment rules shall have to be engaged at site by the Contractor. The authority 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 sample of the materials 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 10 days of the issue of the work order and complete within time limits.

SCHEDULE – G: ATTACHED SEPARATELY BASED ON APPLICABLE BSRs IN JDA.

SCHEDULE – H: SPECIAL CONDITION: Attached Separately.

SCHEDULE – I: COST OF TENDER DOCUMENTS, PROCESSING FEES & BID SECURITY.

The Bid Processing fee is payable in favor of M.D. RISL & Cost of bid document & Bid Security is payable in Favour of the Secretary, JDA, Jaipur. Bidders have to pay bid processing fees, cost of bidding documents, and Bid Security Online. **If a bidder opts to deposit the bid security through bank guarantee, the bank guarantee should be valid for the next seven months after the bid opening date. A copy of the such bank guarantee will be required to be attached with the bid submission documents uploaded on the E-procurement portal of GOR. The bank guarantee will be physically handed over upto prescribed time to Nodal officer of the on-line tendering system of**

JDA i.e. D.D(E&B) in room No. 215N Extension building, JDA, JLN marg, Jaipur, as per specified in bidding documents,

Annexure-1. Special Conditions of Contract regarding defect liability period.

Annexure-2A. Bank guarantee will be in specified Performa enclosed with this bidding document for Bid Security.

Annexure-2B. Bank guarantee will be in specified Performa enclosed with this bidding document for Performance Security.

Annexure-A. Compliance with the code of integrity and no conflict of interest (RTPP Act/Rules).

Annexure-B. Declaration by the bidder regarding qualifications (RTPP Act/Rules).

Annexure-C. Grievance Redressal during the procurement process (RTPP Act/Rules).

Annexure-D. Additional Conditions of Contract (RTPP Act/Rules).

Annexure-E. Process for Tender Participation & Depositing Payment on 'Online Tender _Participation' Portal of JDA & Bid Submission on 'e-Procurement Portal' of Government of Rajasthan.

**EXECUTIVE ENGINEER-06
JDA, Jaipur**

SPECIAL CONDITIONS

SCHEDULE 'H'

01. 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.
02. The bidder shall follow the provisions of the builder labour regulation and abolition Act, 1970 & Rule, 1971.
03. The JDA shall have the right to cause an audit for technical examination of the work and the final bills of the bidder including all supporting vouchers, abstracts etc. to be made within two years after payment of the final bills and if as a result of such audit, any amount is found to have been overpaid / excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed, the bidder shall be liable to refund such amount and it shall be lawful for the JDA to recover the 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 bidder was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such underpayment shall be paid by the JDA to the bidder.
4. Wherever any claim against the bidder for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the performance security of the bidder, In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time their contract with the JDA should this sum be sufficient to recover the full amount recoverable. The bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
5. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
6. By submission of the Bid the bidder agrees to abide by all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
7. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
8. If any bidder withdraws his Bid prior to the expiry of said validity period given at S. No. 5 or mutually extended prior or makes modifications in the rate, terms and conditions of the Bid within the said period which are not acceptable to the authority or fails to commence the work in the specified period, fails to execute the agreement the authority shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of bid security given in any form absolutely. If any bidder, who has 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 rebidding he will stand debarred for six months from participating of Bidding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
9. Any material not conforming to the specifications collected at the site have to be removed by the bidder within a period of 3 days of the instruction, issued by the Engineer -In charge in writing failing which, such material shall be removed by the Engineer-In charge at risk and cost of the bidder after the expiry of 3 days period.
10. The material collected at the site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed fully on the work.
11. The rates provided in the Bidding documents are inclusive of all Taxes and royalties otherwise specified.
12. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule, Source/ borrow pit area for the earth shall have to be arranged by the Bidder at his own cost.
13. Undersigned has full right to reject any or all Bids without giving any reasons.
14. As per the 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 etc."

15. Special Conditions of the Contract regarding the Defect Liability Period (DLP) for works costing Rs. 25.00 lacs and more shall be applicable (Annexure-I).
16. The Bidder is required to submit a copy of their enlistment as a contractor.
17. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
18. The bidder will have to install display boards at the site of work as directed by Engineer in charge.
19. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 and amendments issued from time to time by the Finance Department, GOR shall be applicable. If there are any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 shall prevail.
20. In case the rate received in the bid is below than BSR rate, additional Performance security shall be deposited by the bidder as per Rule 75 (A) of RTPP Rules.
21. The Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking for any clarification.
22. Contractors enlisted in JDA, should be get reviewed periodically. The registered bidder who has not been reviewed within a period of 5 years 3 months, shall not be allowed to participate in the bid. Contractors enlisted in other departments shall be as per the provision of PWF&AR

Executive Engineer- 06
JDA, Jaipur

SPECIAL CONDITIONS OF CONTRACT REGARDING DEFECT LIABILITY PERIOD (DLP) FOR WORKS COSTING RS.
25.00 LACS AND MORE

Table-1

S.No.	Type of work	DLP Period
1.	Bridge Work	5 Years
2.	CD Work	5 Years
3.	CC Road. PQC Work	5 Years
4.	CC tiles/Krebs/medians	5 Years
5.	Drains	3 Years
6.	Roads	
	(i) Two-layer WBM/GSB	6 months or one full rainy season whichever is later
	(ii) For Renewal/Strengthening	
	(a) BT up to 30 mm thickness	1 Years
	(b) BT above 30 mm to up to 40 mm	2 Years
	(c) BT above 40 mm to up to 90 mm	3 Years
	(d) BT above 90 mm thickness	5 Years
	(iii) New Roads	
	(a) BT up to 90 mm	3 Years
	(b) BT more than 90 mm	5 Years
7.	Compound wall	3 Years
8.	Building Work	
	(i) Work pertaining to Sanitary work electrical works, Joinery works and painting work.	2 Years
	(ii) Work pertaining to the Building structure and other civil works	5 Years
9.	Electric work except for maintenance	3 years
10.	Sewer/Water supply including STP and water supply-related work except for maintenance works.	3 Years

1. ROAD-WORKS

- 1.1 The Defect Liability Period (DLP) for all Road works excluding patch repair work shall be as per the above table. Road works executed by the Contracting agency shall be maintained by them at their own cost for completion (DLP) from the actual date of completion of work as per the clause in the Contract Agreement and Special Condition of the Contract.
- 1.2 No extra payment shall be made to the contracting agency on account of maintenance of Road works and removal of defect during the Defect Liability Period.
- 1.3 The word "Road Works" means all new Road Works construction, widening, strengthening, up-gradation and renewal works
- 1.4 The word "Maintenance of Road Works during Defect Liability Period" means
 - (i) Routine maintenance of Road Works,
 - (ii) To remove the defect as & when appear in part and the entire structure of Road Works, in the specified time and keeping the Road Surface with good riding quality and
 - (iii) Damages due to improper drainage/drains, local flooding, depressions on roads etc.
- 1.5 The contracting agency shall do the routine maintenance of Road works, including pavement, road side and cross drains including surface drains to the required standards and keep the entire road surface and structure in Defect free conditions during the entire period of routine maintenance, which begins at the completion of the construction work and ends after complete (DLP).
- 1.6 The routine maintenance shall consist of the routine maintenance operation defined in the manual for the maintenance of roads of MoRTH and shall be carried out accordingly.
- 1.7 The routine maintenance activities and their periodicity.

S.No.	Name of Item/Activity	Frequency of operations in one year
1	Restoration of rain cuts and dressing of berms.	Once in a year, generally after rains.
2	Making up of shoulders.	As and when required.
3	Maintenance of Bituminous surface road and/or gravel road/WBM road including filling pot holes and patch repairs etc.	As and when required.
4	Insurance of proper functioning of drains including civil maintenance and desalting of drains. (If constructed by the same Road agency or not)	As and when required.
5	Maintenance of road signs. (If installed by the same Road agency)	Maintenance as and when required. Repainting once in every one and a half years.
6	Road Marking, Kerb Stone / Dand. (If done by the same Road agency)	Thermoplastic Paint Maintenance as and when required. Repainting once in everyone & a half year. Ordinary Paint Maintenance as and when required. Repainting thrice in every year.
7	Damages beyond the control of the agency.	Road cuts made by various agencies for utility, duly permitted by JDA / JNN will have to be repaired by the agency on the same rates of the contract agreement till DLP.

2. General

2.1 Inspection of works during the Defect Liability Period

2.1.1 The contracting agency shall undertake a joint detailed inspection along with Engineer-in-charge/A.En., at least once in three months in case of all Road works. The Engineer-in-charge can reduce this frequency in case of an emergency. The Contracting agency shall forward to the engineer in-charge the record of inspection and rectification immediately after the joint inspection. The Contracting agency shall pay particulars attention to those road sections, which are likely to be damaged during rainy season.

2.1.2 One register has to be maintained by every AEN for recording the inspection details of works in his jurisdiction under defect liability period.

2.2 Conditions regarding Performance Security

2.2.1 Security for DLP-

The contracting agency shall have to furnish Performance Security in the form of Bank Guarantee valid from the actual date of completion, which shall be assigned by the Engineer-in-charge.

2.2.2 The release of PS amount shall be as per following table 2 :-

S.No.	Released PS \ DLP Period	1 Year	2 Years	3 Years	5 Years
1.	After 1 year	100%	40%	20%	10%
2.	After 2 year		60%	20%	10%
3.	After 3 year			60%	10%
4.	After 4 year				20%
5.	After 5 year				50%

The Performance Security will be released as per the above table after a satisfactory performance certificate issued by Engineer-In-Charge:-

2.2.3 Forfeiture of Performance Security

In case the contracting agency fails to rectify the defects within the stipulated period notified to him by the Engineer-in-charge concerned under the contract agreement, the Engineer-in-charge shall serve a final notice for 5 days time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in the rectification of defects the Engineer-in-charge will get the defect removed at the risk and cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall also be taken against the contracting agency by the competent authority.

1.2.4 Force Majeure

The defect that arises due to earthquakes, cyclones, and natural calamities shall not be the responsibility of contracting agency.

2.2.5 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) If any work, amount is less than Rs. 25 lacs but later on due to extra/excess work, if amount of final work crosses more than Rs. 25 lacs, DLP shall be operative as per rule for each individual item.
(iii) Similarly, if any work is more than Rs. 25 lacs but after finalization amount of work is less than Rs. 25 lacs, DLP should be operative for six months or rainy season whichever is later.
- (iv) During DLP period if contractor fails to repair any work even after the issue of 7 days written notice, the same work shall be got executed by the 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 his defaults twice in a single agreement or in two different works.
- (v) Quarterly Inspection as per rules shall be carried out and DLP registers shall be maintained by respective Executive Engineers to monitor the DLP repairs.
(vi) Special and regular inspection shall also be carried out as per order no. JDA/XEN & 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.
- (vii) In case JDA feels to take up work on any existing DLP road due to any reason, the following procedure should be adopted:
 - (a) At the time of withdrawal total liability of repairs as per DLP conditions to be carried out and the contractor shall be asked to complete the same. After completion of assessed repairs, DLP period shall be released after deduction amt. as per following table-III.

Table-3

% Recovery on withdrawal of DLP of work order	1 Year	2 Year	3 Year	4 Year	5 Year
DLP period					
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 a quarterly basis.

- (b) In case the 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 the total retained amount of PS same shall be recovered from other works and as per PDR rules. The amount as per Table 3 is also to be deducted in addition to this amount.
 - (viii) Based upon the type of work, DLP conditions for works to be carried out during the DLP period with their frequency of the respective type of work shall be prepared by respective SE's after approval of these periods.
3. In case patch repairs/civil maintenance works costing more than Rs. 25.00Lakhs, defect liability period will as per clause 37(C) of Contract Agreement.

Executive Engineer-06
JDA, Jaipur

Specified Bank Guarantee Performa for Bid Security

Section - 6

Form of (Bank Guarantee) -En cashable at the 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 Bid Security for the.....J

DA Jaipur WHEREAS, _____ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid dated for the work of(here in after 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 cashable at the 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;

(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, a notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank no later than the above date.

The amount covered under the above Bank Guarantee shall be automatically 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 writing for its release.

Date _____ Signature of the Bank _____

Witness _____ Seal _____

[Signature, Name, and Address]

[Note: To be furnished on appropriate non-judicial stamps & should be valid for the next 7 months from the bid opening date]

Specified Bank Guarantee Performa for Performance Security

Section - 6

Form of (Bank Guarantee) -En cashable at the 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 Performance Security for the.....JDA Jaipur

WHEREAS, _____ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid dated for the work of(herein after 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 cashable at the 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____.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand within valid period of this guarantee.

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, a notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank no later than the above date.

The amount covered under the above Bank Guarantee shall be automatically credited to 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 writing for its release.

Date _____ Signature of the Bank _____

Witness _____ Seal _____

[Signature, Name and Address]

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

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 the procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that 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 an 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.

A bidder may be considered to be in conflict of interest with one or more parties in the 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 proposed to be hired) by the procuring entity as engineer-in-charge/consultant for the contract.

Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted tofor procurement ofin response to their Notice inviting Bids No.....Dated.....I/wehereby 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 Entry;
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 proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offense 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:

Signature of the bidder

Place:

Name:

Designation:

Address:

Note:- Annexure “B” is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking any clarification.

Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority :

For works costing up to Rs. 300.00Lakhs -	Jaipur Development Commissioner, JDA, Jaipur.
For works costing above Rs. 300.00Lakhs -	Executive Committee, JDA, Jaipur.

The designation and address of the Second Appellate Authority:

For works costing up to Rs. 300.00Lakhs -	Executive Committee, JDA, Jaipur.
For works costing above Rs. 300.00Lakhs -	Principle Secretary/ACS, Urban Development & Housing Department, GOR, Jaipur.

(1) Filing an appeal: -

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

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

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

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

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

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

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

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

(5) Form of Appeals: -

- (a) An appeal under Para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, Affidavit verifying the facts stated in the appeal and proof of payment of fee,

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

(6) Fee for filing Appeal: -

- (a) Fee for the first appeal shall be rupees two thousand five hundred and for the second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of a bank demand draft or banker's cheque of a scheduled bank in India payable in the name of the appellate authority concerned.

(7) Procedure for disposal of Appeal: -

- (a) The first appellate authority or second appellate authority as the case may be, upon the filing of the appeal, shall issue notice accompanied by a copy of the appeal, affidavit and documents, if any, to the respondents and fix a date of hearing
- (b) On the date fixed for hearing, the first appellate authority or the second appellate authority, as the case may be shall-
 - (i) Hear all the parties appeal presenting 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 a copy of the 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.

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 the 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 the contract, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased, by a specified percentage, but such increase or decrease shall not exceed fifty percent, of the quantity specified in the bidding documents. It shall be without any change in the unit prices or other terms and conditions of the bid and the conditions of the 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 circumstances, the bidder shall not be entitled to any claim or compensation except otherwise provided in the conditions of the contract.
- (iii) In case of procurement of goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of goods of the original contract and shall be within one month from the date of expiry of the 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, then in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidder in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Process for Tender Participation & Depositing Payment on ‘Online Tender Participation’ Portal of JDA & Bid Submission on ‘e-Procurement Portal’ of Government of Rajasthan: -

A*Process for Tender Participation & Depositing Payment on ‘Online Tender Participation’ Portal of JDA

1-Participate in tender

- a) Bidder can access ‘Online Tender Participation’ Portal of JDA at <https://jda.urban.rajasthan.gov.in/jda> or by Single-Sign-On at <http://service.jaipurjda.org>.
- b) Create user Login with a valid mobile number to register yourself for various Online Services of JDA.
- c) Select ‘Proceed as Citizen’ and then ‘Proceed for Subscription’ for ‘Tender Online Payment’. The prevailing plan for getting registered for tendering process of JDA is Rs. 500.00 with a validity period of 3 Years (renewable).
- d) After successful payment, re-login and upload required documents for KYC (Know Your Client) compliance as per the type of entity viz. Individuals/ Company/ Partnership Firms/ Trusts & foundations. Besides, Bank Passbook / Cancelled Cheque consisting of Bank Account, IFSC Code is mandatory to be uploaded, to refund the bid security of unsuccessful bidder.
- e) After receiving the payment successfully and approving KYC documents the bidder will be authenticated by JDA for taking part in Tender.

2-Deposit Tender Fee, RISL processing fee and Bid Security (EMD)

- **Option-1: 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.
- **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.

3-Deposit Bid Security (EMD)

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

4-Obtain Bid Participation Receipt

After confirming payment, the bidder will get Bid Participation Receipt based on 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.

B-**Bid Submission on ‘e-Procurement Portal’ of Government of Rajasthan

- 1- Online e-Bid can be submitted after registration at e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in

- 2- It is mandatory to upload Bid Participation Receipt with the bid submission.
- 3- Details of online payment available on Tender Participation Portal of JDA have to be filled in 'offline payment' section of e-Procurement portal.

Note

- 1- Bidder (authorized 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 in training may contact e-Procurement Cell, DoIT&C for booking the training slot.

Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: eproc@rajasthan.gov.in

Address: e-Procurement Cell, JDA, 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 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.

Conditions for Joint Venture; Eligibility :-

- (i) The bid for this contract will be considered only from those bidders (proprietorship firms, partnership firms, companies, corporations, consortia or joint ventures) who meet requisite qualification criteria prescribed. In case of a J.V. or consortium, all members of the group shall be jointly and severally responsible for the performance of whole contract.
- (ii) A non-Indian firm is permitted to tender only in a consortium arrangement or joint venture with their wholly owned Indian Subsidiary registered in India under Companies Act-1956 or any other Indian firm having minimum participation interest of 26%.
- (iii) **Conflict of interest**-Bidders shall not have conflict of interest. All bidders to have a conflict of interest in this bid shall be disqualified. Bidders shall be considered to have a conflict of interest if:
 - a. One firm applies for bid both as an individual firm and in a group
 - b. If bidders in two different applications have controlling shareholders in common
 - c. Submit more than one application in this bid process
 - d. If the bidder has participated as a consultant or it has more than 50% stake in consultant engaged in the preparation of the design or technical specifications of the works that are subject to this bid.
 - e. A firm which has purchased the bid documents in their name can submit the bid either as individual firm or as Joint Venture/Consortium.
 - f. Bidders must not have been black listed or de registered by any Central/ State Government department of Public Sector Undertaking. Also no work of the bidder must have been rescinded by the client after award of contract during last 3 years. The bidder should submit undertaking on Non-Judicial Stamp of Rs 10/- and duly attested by Notary Public to this effect in the Performa of **Annexure 2**.
- (iv) A firm shall submit only one bid either by himself, or venture, or as a member of consortium. If a firm submits more than one bid by himself, or as partner in a joint venture, or as a member of consortium, all the bids in which he has participated shall be considered invalid.
- (v) All bid Submitted shall include the following information.
 - 1. All the bidders shall submit with his bid, general information about the bidder in prescribed Performa of (Annexure 3, Page 1 of 2) with full details of his ownership and control and, if the bidder is joint venture or consortium, full details of ownership and control of each member thereof (Annexure 3, Page 2 of 2)
 - 2. In case the bidder comprises a joint venture or consortium 2013 Sr. 39 and following requirements shall also be complied with:
 - a. The total number of JV partners shall not exceed 2 (Two).
 - b. They must designate lead partner duly authorized by who will represent the J.V. Any of the two partners can be lead partner. The lead partner shall be nominated as being partner-in-charge and this authorization shall be evidenced by submitting power of attorney signed by the legally authorized signatories of all the partners.
 - c. The partner-in- charge (or, the lead partner) shall be authorized to incur liabilities and to receive instructions on the behalf of the partners of the Joint

Venture, whether jointly or severely, and entire execution of the contract (including payment) shall be carried out exclusively through the partner-in-charge.

- d. The share of one of the two partners shall not be less than 26% and rest of the share shall be held by other partner (For example if share of one partner is 26% then for other partner it will be 74%.) The JDA will only send communication to the lead partner, which will be deemed to have been sent to all the J.V. partners. Similarly, any negotiation and/or agreement with the lead partner shall be deemed to have been concluded with all the J.V. partners. All the members of J.V. shall be bound by the said communication and all acts/ deeds of the lead member.
- e. Any one of the two partners, alone, should fulfill the Technical Criteria laid down in clause 2a & 2b of Special Conditions. Similarly, any one of the two partners, alone, should fulfill the Financial Criteria laid down in clause 2c of Special Conditions. For rest of the eligibility criteria, qualifications of the two partners may be clubbed together.
- f. The individual partner of J.V. alone or with other partners cannot participate in the same bid.
- g. Bid capacity is to be calculated by clubbing turn over and work in hand of all the joint venture firms.
- h. Attested copy of the MoU / Agreement/ Power of attorney entered into by the joint venture / consortium members duly notarized shall be submitted along with the bid with intended percentage participation nomination of lead member and division of responsibility to clearly define the work of each member etc.
- i. All the members of the joint severally liable for the execution of the Contract.
- j. In the event of default by any member of the joint venture/ consortium in the execution of his part of the contract, the partner in-charge will have the authority to assign the work to any other party acceptable to the employer to ensure the execution of the part of contract.
- k. If initially the bid has purchased and submitted by the any partner or by the JV Firm, in case of JV bid accepted the work order will be issued in favour of name of JV and the bidder will submit details of JV bank account to which payment is to be deposited by JDA.
- l. The experience certificate will be issued as per percentage of the shareholders defined in the JV agreement of the two partners.

- (vi) To qualify for award of contract, the bidders shall submit a written power of attorney authorizing the signatory (ies) of the bid to commit the bidder or each member of the joint venture/ consortium. In case of foreign members, power of attorney(s) and board resolution confirming authority on the persons issuing the power of attorney for such actions, shall be submitted duly notarized by the notary public in the country of origin and stamped by the Indian Embassy/ High Commission.
- (vii) Cancellation, modification or creation of a attorney, partnership deed, constitution of firm etc., which may have bearing on the bid / contract, shall be communicated forthwith in writing by the bidder to the Engineer-in-charge or Employer.
- (viii) The bidder should confirm and declare that in the bid submitted that they, or any associate have not engaged in any fraudulent and corrupt practice and that no agent, middleman, or any intermediary has been, or will be, engaged to provide any services, or any other items of work related to the award of this contract.

To ensure consistency in the bidding process clarifications/documents which can be sort from bidders after opening of technical bid as RTPP Act/Rules 2012 & 2013.

Special conditions of contract regarding Drainage Work

1. The contractor has to establish a casting yard for this work nearer to working site for casting of precast RCC members and RCC Box drains.
2. The contractor has to establish/lease a computerized fully automatic Batch mix concrete plant of minimum capacity 15cum/hr.
3. Structural safety of the structure is primary responsibility of the bidder; therefore successful bidder has to get design proof checked from MNIT/IIT at his own level/cost before execution of work. Pre-cast RCC boxes and cast in situ drain shall be allowed at site having minimum quantity of steel & design grade concretes per the structural design enclosed.
4. **The trench width for laying precast boxes/pipes/cast in-situ drain etc. should be as specified for execution/measurement restoration of road / payment etc. Additional width of cutting of the road if any, beyond specified shall be borne by the agency; therefore, necessary cautions and care should be taken during execution.**
5. All the Ferro cement covers on manholes & main bars of steel gratings on drainage spouts should be kept right angle to flow of traffic and flushed with road surface. Ferro cement cover and Grill grating should be placed at specified/approved distance w.r.t median of the road.
6. The Ferro cement cover should be placed within specified RCC frame constructed so the Ferro cement cover may be removed and then re-placed safely after cleaning, as and when required.
7. The man holes having height more than 2.00 Mts should have foot-steps at suitable interval.
8. Design of Barricading as per item No-1 of Schedule-G is enclosed
9. The steel shall be procured from primary manufacturers only. High strength deformed steel bars of TMT 500D grade shall be used and shall comply with the provisions of IS 1786(latest revision)
10. Ordinary Portland cement 43 grade conforming to IS:8112 shall be used.
11. No extra payment will be made for overlap, couplers, chairs and spacers in the steel reinforcement. If the couplers are used in replacement of overlap the design of the same will have to be got approved from JDA before execution of work, no extra cost on this account shall be payable.
12. Admixture shall be used as approved by EIC.
13. All the applicable permits/NOC's /Traffic diversion permission shall have to be arranged and borne by the bidder at their own cost. However JDA may assist in obtaining such permission/NOC. Any delay in obtaining such permits/NOC shall not be considered for delay in works as per agreement.
14. Any damaged of the utilities and underground services, during execution of work caused by contractor/ machinery/labour will have to be restored by the bidder at his own cost for which no extra payment shall be made. However, any shifting of utilities required due to alignment of drainage shall be entertained by department.
15. The agency must have civil engineer (Degree holder), **Billing Engineer**, and Civil supervisor on site during the execution of work.
16. Site office with proper computer, printer, drawing and vehicle for supervision.
17. The contractor should appoint survey team and qualified Engineer for execution of work in whole execution of work.

18. The contractor must maintain repair/clean the New constructed drain for period of three year after completion of work. Before every rainy season the contractor will clean/desilting work of drain and take cleanness certificate from the Engineer in-charge.
19. For proper operation and functionality of drain all the time, separate item has been taken in the bid which will start after successful completion of the work.
20. THIRD PARTY INSPECTION AT THE LEVEL OF JDA - JDA will take services of third party quality control (TPQC) agency. Stage wise/ running bill payment will be made after conduction of required QC tests by TPQC. JDA will bear the cost of enlistment of TPQC agency. Construction agency will facilitate sampling and other supports. No additional payment will be made on this account.

Jaipur Development Authority, Jaipur. Bid Participation Receipt	
	Date & Time:-
Bid Detail	
Bid ID:	Procurement Entity:-

Bid Title:		Bid Opening Place:
Bid Value:		
Bidder Detail		
Name of Entity:		Mobile No.:
Registration Type:		Instrument Amount:
Payment Mode:		Payment Channel:
Instrument No.:		Instrument Date:

Dates Detail		
Sr. No.	Event Name	Event Date
1	Publishing Date	
2	Bid Opening Date	

Specific Instrument for eProc Rajasthan			
Instrument Type			
Instrument Number	Head Name	Amount	Date
	Tender Fee		
	RISL Processing Fee		
	Bid Security Deposit		
Issuer Detail: Jaipur Development Authority		Challan Number:	

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website www.jda.urban.rajasthan.gov.in.

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SPECIAL CONDITION OF THE CONTRACT FOR PRE-QUALIFICATION OF CONTRACTORS

Name of work- Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II"

Special conditions of contract of PRE-QUALIFICATION as detailed here under, shall be applicable in addition to all other terms and conditions already prescribed under standard agreement forms/rules and regulations to contract:

1. Procedure:

Procedure for PRE-QUALIFICATION would be as follow:

- (a) Two-envelope (docket) system would be adopted, for PRE-QUALIFICATION, Docket-1 being for Technical Bid and Docket-2 being for Financial Bid.

Docket-1:- There will be three separate folders- **Folder-1** is for proof of deposition of Bid Security, cost of bidding document and bid processing fee alongwith copy of GST registration, Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal and copy of enlistment as contractor/ bidder in required category. Folder-II is for bid document and folder-III is for technical bid.

Docket-2:- There will two separate folders-1 is for financial bid and 2 is for bill of quantities.

- (b) The technical bid will be opened only of whose bidders that proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in required category and signed Annexure "B" are found to be in order. The bid Security will be accepted only in from of online deposition or in form of Bank Guarantee
- (c) The Technical Bid envelope would be opened on the date 29.10.2025 at 12.30 pm in the room First Floor, JB-FF-107, Court Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru, Marg, Jaipur – 302004 Telephone: +91-141-2569696.
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the PRE-QUALIFICATION CRITERIA.

2. Criteria:

Criteria for PRE-QUALIFICATION would be as follows:-

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

	Items	Quantities
	Major items of schedule "G" as decided by Director (Engineering)/OIC(Engineering)	50%
For Road Work		
A	-	-
For Building or other work		
A	Steel reinforcement in Kg.	116650.00kg
B	RCC/Concrete work M-20 or above grade design mix in (cum)	1385.00 cum
C	M-40 grade Precast box(Rmtr)1.00x1.00 to 2.0x2.0	4376.00 mtr
D	Steel Gate, Gratings, Grill	89308.00 kg

E	DBM/BC	3431.00 MT
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Note:-

- (i) **The Bidder should enclose the certificate having quantities financial year wise otherwise the certificate will not be considered.**
 - (ii) **Quantities of all the items mentioned in criteria 2(a) should be executed in one financial year.**
 - (iii) **Certificate issued by Government of India, State Governments, Union Territory, Government, Undertaking, Autonomous Bodies shall only be considered.**
- 2(b) The bidder should have completed at least one **similar nature work Drainage Work** in last Seven Financial Year (including current year, if opted by the bidder) of value not less than 50% 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 year. If no then maximum work (70%) of work mentioned in certificate submitted is to be completed in above said financial years. The bidders should have to enclose the proper bifurcated certificate accordingly otherwise the certificate will not be considered.
 - (ii) In case; if single work selected by the bidder, is of mix in nature having different components; then a proper bifurcated completion certificate showing the required similar nature component, should be enclosed.
- 2(C) The bidder should have achieved an annual financial turnover of at least 60% of the estimated cost of work (bid cost) in any one of the last Seven financial years (including current year, if opted by the bidder)

Note:-

- (i) The bidder should enclose certificate of Turn Over from Chartered Accountant for last Seven 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.
- 2(d) The bidder should give self declaration to deploy the machinery and equipment as specified in Schedule-III for the execution of this work.
- 2(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 Seven financial years(updated to preset Price level) taking in to account the completed as well as works in progress. However, the bidder may opt current year in the seven year assessment period (Annexure-IV).

N= Number of year prescribed for completion of the work of which bids are invited. In present case value of N shall be 1

B= Value, at present price level of existing commitments and ongoing 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 Engineering Work in one Financial Year.**

2(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 Seven 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 weightage of 10% per years as follows:-**

Financial Year	Factors
(a) For current year	1.00
(b) For First last financial year	1.00
(c) For second last financial year	1.10
(d) For third last financial year	1.21
(e) For fourth last financial year	1.33
(f) For Fifth last financial year	1.46
(g) For sixth last financial year	1.60
(h) For seventh last financial year	1.76

3. 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 seven years in Schedules-II.
 - (c) Certificates from the concerned Engineer-In-Charge in support and verification of the information furnished in Schedule-II.
 - (d) Self declaration regarding machinery and equipment required for deployment, as detailed in Schedule-III.
 - (e) Information regarding details of maximum value of civil engineering works executed in any one year during the last seven 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) Self declaration as per Annexure I.
 - (j) Details regarding evaluation criteria in schedule-VIII.

Note:- These schedules are mandatory to fill by the bidder, failing which the information be treated as NIL.

4. Important:

- (a) The bidder must ensure that all the information required in the Document is furnished by him completed 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 self declaration that the information furnished in schedule I to VIII 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 bid security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder and registration of contractor in required category it would be liable for rejection.
- (II) Furnish of incorrect or concealment of any information required in the bid documents would render the bid liable for rejection.
- (III) The bidder shall prepare bid in the digital/ electronic mode for uploading on e-procurement portal in the format/type of file specified in evaluation qualification criteria" all the documents uploaded should be digitally signed with DSC of authorized signatory, deemed as all the pages of the uploaded documents are signed."
- (IV) The self-declaration and annexure "B" enclosed by the bidder regarding qualifications of RTPP Act, 2012 and Rules, 2013 along with bid documents, should be signed by the participating bidders before uploading bid documents otherwise the bid will be rejected as per officer order No. 194 dated 06.09.2022.

EXECUTIVE ENGINEER (ZONE -6)

JAIPUR DEVELOPMENT AUTHORITY

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 seven financial years;

S.No.	Year	Turnover
(i)		
(ii)		
(iii)		
(iv)		
(v)		
(vi)		
(vii)		

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.

Date:

SCHEDULE-II

(Reference clause 3(b)& 3(c))

DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

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

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

Date:

Attested photo of the bidder

SCHEDULE-III

(Reference clause 3(d))

Self Declaration

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.

S. No.	Name of Machinery	Minimum Requirement	Availability	
			Owned	Leased
1.	Hydra 9 Tonne/ 12 Tonne	3no.		
2.	JCB	3 no.		
3.	Dumper	4 no.		
4.	Vibratory Roller	1 no.		
5.	Static Roller	1 no.		
6.	Earth Compactor	1 no.		
7.	Batch mix concrete Plant capacity 15cum/hr	1 no.		
8.	Water Tanker	5 no.		
9.	Vibrator (needle, vibrator & screed)	8 no.		
10.	Transit mixer	4 no.		
11.	Tractor Trolley	5 no.		

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

Signature of Bidder

Note:- This self declaration is mandatory to be signed by the bidder failing which the bid shall summarily be rejected without asking any clarification.

SCHEDULE-IV

(Reference clause 3(e))

DETAILS OF MAXIMUM VALUE OF CIVIL WORKS EXECUTED IN ANY ONE YEAR DURING LAST FIVE YEARS.

FINANCIAL YEAR IN LAST FIVE YEARS	COST OF WORK EXECUTED IN FINANCIAL YEAR

SCHEDULE-V

(Reference clause 3(f))

DETAILS OF EXISTING COMMITMENTS & ON GOING WOERKS 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

SCHEDULE-VI

(Reference clause 3(g))

DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

S. No.	Name of Works (with agreement No. & Date)	Client	Work Order	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

SCHEDULE-VII

(Reference clause 3(h))

BID CAPACITY

1.	A= Maximum value of civil Engineering works Executed in any one year during the last Seven 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	1	
3.	B= Value, at present price level of existing Commitments and ongoing works to be Completed during the next N Period.	Lacs	Certified details enclosed at Page No.....

Bid Capacity= $A \times N - B$

=Lacs

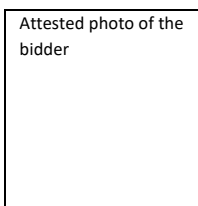
Schedule- VIII
(Reference clause 3(J))

Details Regarding Evaluation Criteria

Name of work :-

S. No.	Item	Minimum Requirement (As per Bid)	Remark			
				Year	Qty.	Page No.
1	Copy of GST Reg. Certificate					
2	Copy of Registration certificate					
3	1. Proof of Bid Security deposition 2. Proof of bidding document cost deposition 3. Proof of RISL fees deposition.					
4	The bidder should have executed following quantities of work in any one financial year of the last seven financial years. However the bidder may opt current year in the said financial assessment period. (Schedule-II).					
	a.					
	b.					
	c.					
5	The bidder should have completed at least one similar nature work in last seven financial year (including current year, if opted by the bidder) of value not less than% of the estimated cost of the work (Bid cost) updated to present price level.					
6	The bidder should have achieved an annual financial turnover of at least Rs.% Lacs of the work (Bid cost) in any one of last seven financial year (including current year)					
7	The bidder should give declaration to deploy the machinery and equipment as specified in schedule-III, for the execution of this work. Duly Self attested.					
8	Bid Capacity (AxBx3-B) Here A is Maximum value of civil engineering work executed in any one of last 7 financial years. N is number of Years Prescribed for completion of the work. B is value at present price level of existing commitments and ongoing.					
9	Declaration in support of information finished by bidder in Annexure-I					
10	Schedule-VI (Details of Litigation).					
11	Signed Annexure "B"(RTPP Act/Rules)					

Note:- This sheet must be prepared and submitted by the bidders.



Self Declaration

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

.....
Proprietor/Partner/Authorized signatory
M/s.....
.....

Note:- This Self Declaration is mandatory to be signed by the bidder failing which the bid shall
summarily be rejected without asking any clarification.

Technical Parameters of Modular Rainwater Harvesting System

Material

Made from 100% recycled Polypropylene (PP), a thermoplastic polymer with high tensile strength. It is corrosion resistant, inert to soil-borne salts, alkalis, and acids. The modules are UV-stabilized, ensuring durability, and are eco-friendly since they are made from recycled material.

Module Dimensions

Each module typically measures 690 mm (L) × 410 mm (W) × 450 mm (H). They are lightweight and easy to transport and assemble. The modular design allows flexibility in shaping tanks to site-specific requirements.

Void Ratio (Storage Efficiency)

Modules provide 95–96.5% void space, meaning almost the entire excavated volume is available for water storage or infiltration. In contrast, RCC tanks provide only ~40% efficiency due to thick walls and slabs.

Load Bearing Capacity

Each unit can withstand up to 40 tonnes/m². They are suitable for installation under parking areas, driveways, roads, and gardens, allowing dual use of land surface.

Structural Life

Designed for a service life of more than 30 years. The manufacturer provides a 30-year warranty. Durability is achieved through corrosion resistance and crack-free modular design.

Resistance Properties

Chemical resistance against salts, acids, and alkaline soils. Biological resistance makes them termite-proof, pest-proof, and algae-resistant. They are also resistant to hydrostatic pressure when saturated.

Filtration & Water Quality

System operates with FRP or dual chamber micro-filters, ensuring only debris-free and silt-free water enters the tank. Additional purification can be integrated if water is intended for potable use.

Applications

It can function as rainwater storage tanks, recharge wells for groundwater, and attenuation tanks for stormwater management. Suitable for both new projects and retrofitting.

Environmental Benefits and green initiative

Uses recycled materials, reducing plastic waste. Smaller carbon footprint compared to RCC tanks due to reduced use of cement and steel. Enables effective stormwater management, reducing urban flooding and conserving groundwater.

Installation Process of Modular Rainwater Harvesting System

Survey & Design:-Conduct a site survey to assess catchment area, rainfall, and water demand.Determine required storage or recharge volume.Prepare detailed design drawings including inlet/outlet pipe locations, filters, and recharge points. Get approved it from competent level before execution.

Excavation:-Excavate the ground to the required dimensions as per design capacity.Ensure safe excavation practices with shoring if needed.Compact and level the base for uniform load distribution.

Base Preparation:-Prepare a firm base using compacted sand, gravel, or lean concrete (50–100 mm thick).Provide slope towards drain/inspection pipe for flushing of silt and debris.Remove sharp stones or projections to protect liners.

Lining: - Line the pit with non-woven geotextile membrane to prevent silt entry. For storage tanks: add impermeable HDPE liner over geotextile. For recharge tanks: use only geotextile to allow infiltration. Ensure overlaps are sealed securely with tape or welding.

Module Assembly & Placement: - Assemble modules by interlocking panels (base, top, and side plates). Place modules row by row inside the excavation. Align properly to ensure stability and load distribution. Provide inspection/ventilation pipes.

Wrapping: - Wrap the entire tank with geotextile membrane (and impermeable liner for storage systems). Ensure a minimum 300 mm overlap, sealed tightly. Wrapping must be continuous and free from gaps.

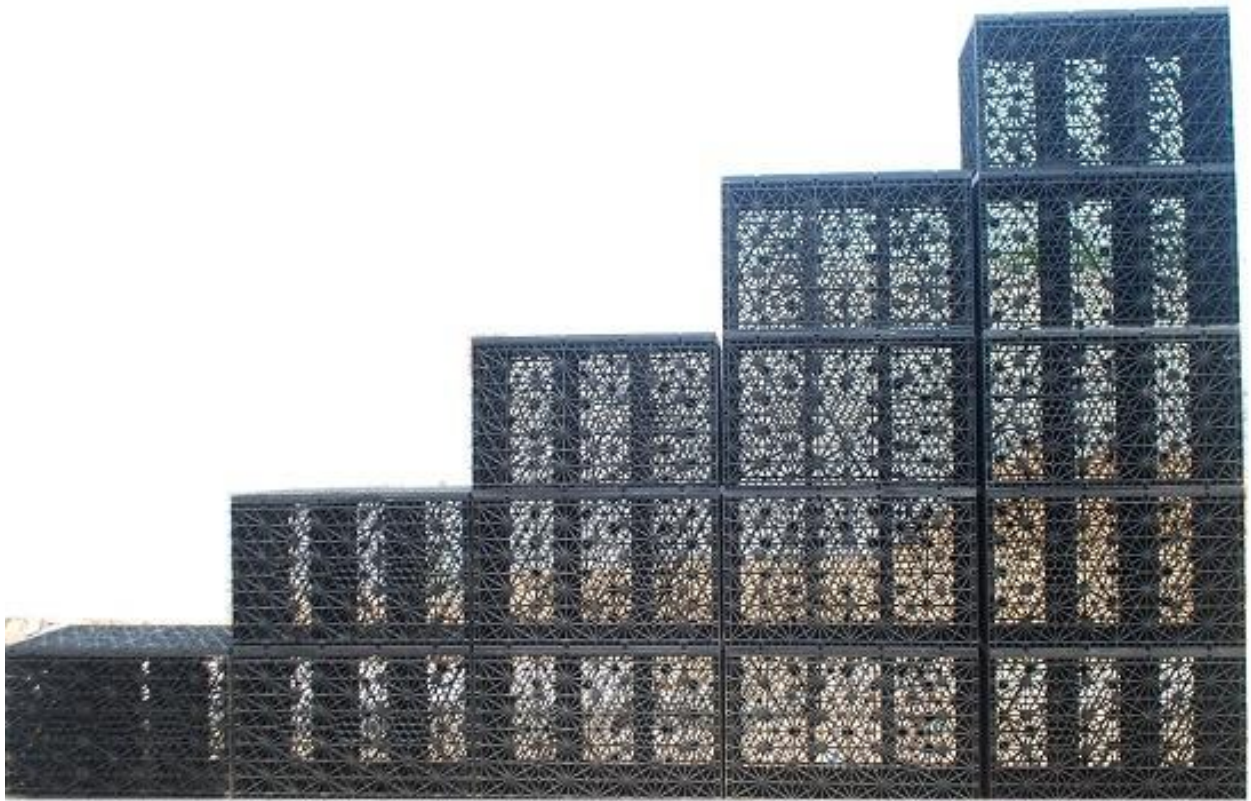
Pipe Connections: - Connect inlet pipe from catchment through FRP/Dual Chamber filter. Provide ventilation and inspection pipes at suitable intervals. Install overflow pipe leading to drain, recharge point, or secondary storage. Ensure all joints are leak-proof.

Backfilling: - Backfill soil in 200–300 mm layers, compacting each. Avoid sharp stones and debris. Maintain at least 500 mm soil cover above the modules. In load-bearing areas (roads, parking), provide engineered sub-base to support traffic loads.

Final Testing: - Conduct hydraulic testing by running water into the system. Check inflow, storage, overflow, and recharge functions. Inspect filters, inspection pipes, and flushing outlets. Verify that the system is leak-proof and functional.

Commissioning & Maintenance: - Commission the system after successful testing. Provide the O&M manual to engineer in-charge. It is Bidder's responsibility to clean and maintain these systems for three years. Periodic cleaning shall be done by bidder before every rainy season and written report with photographs shall be submitted to Engineer in-charge including inspection of inlets/outlets. Modules require no internal cleaning due to sealed design.







LEGEND:

	MODULAR TANK
	AGGREGATE
	SOIL
	PCC
	SAND
	BRICK WORK /RCC

CLIENT

JDA

CONTRACTOR

RETAS ENVIRO SOLUTION PVT.LTD.
Branch: C-56/21,Third Floor
Sec-62,Noida,201301

Retas
Engineering a Water-Secure India

DRAWING TITLE
RAINMAXX MODULAR
RAINWATER HARVESTING
RECHARGE TANK
[289.92CubM.]

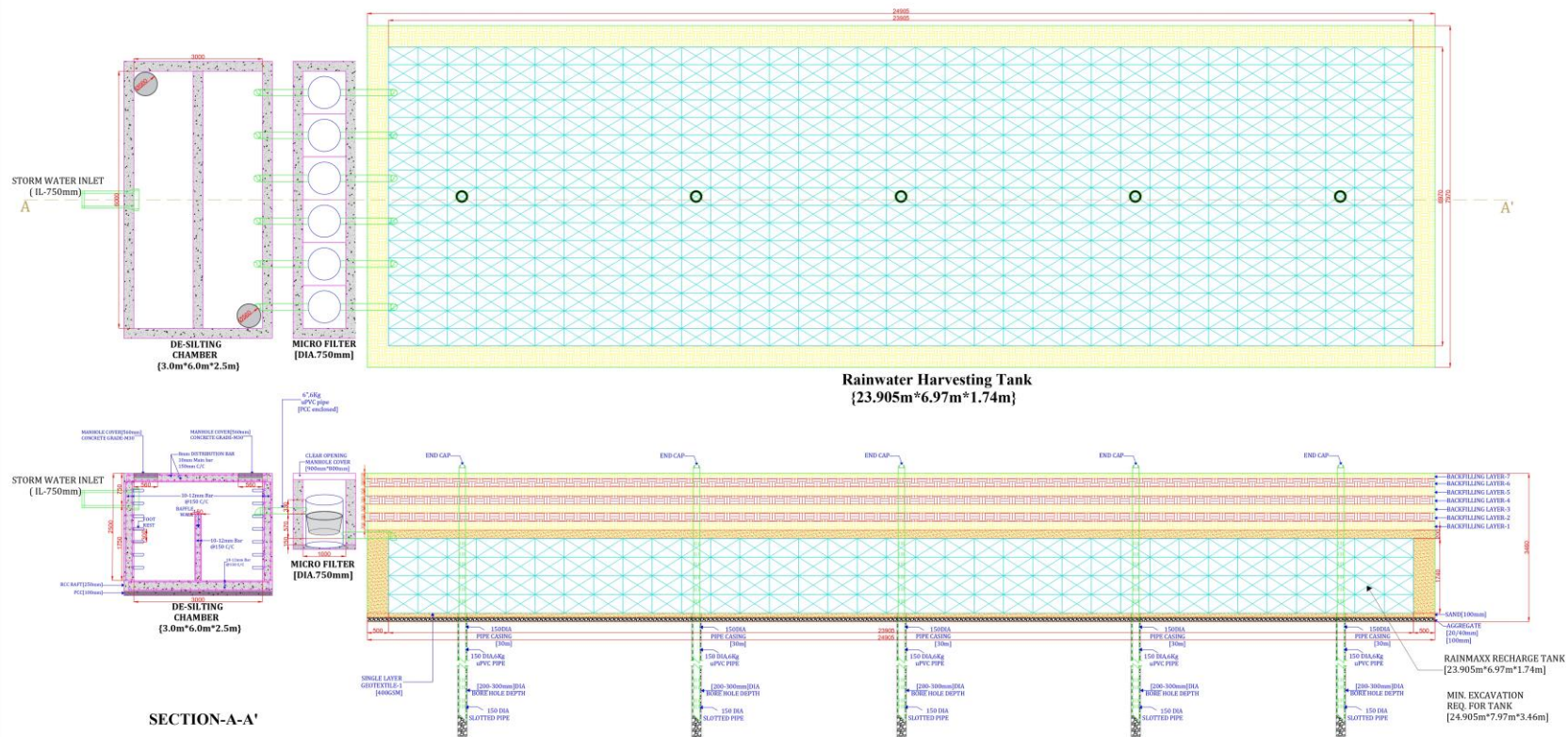
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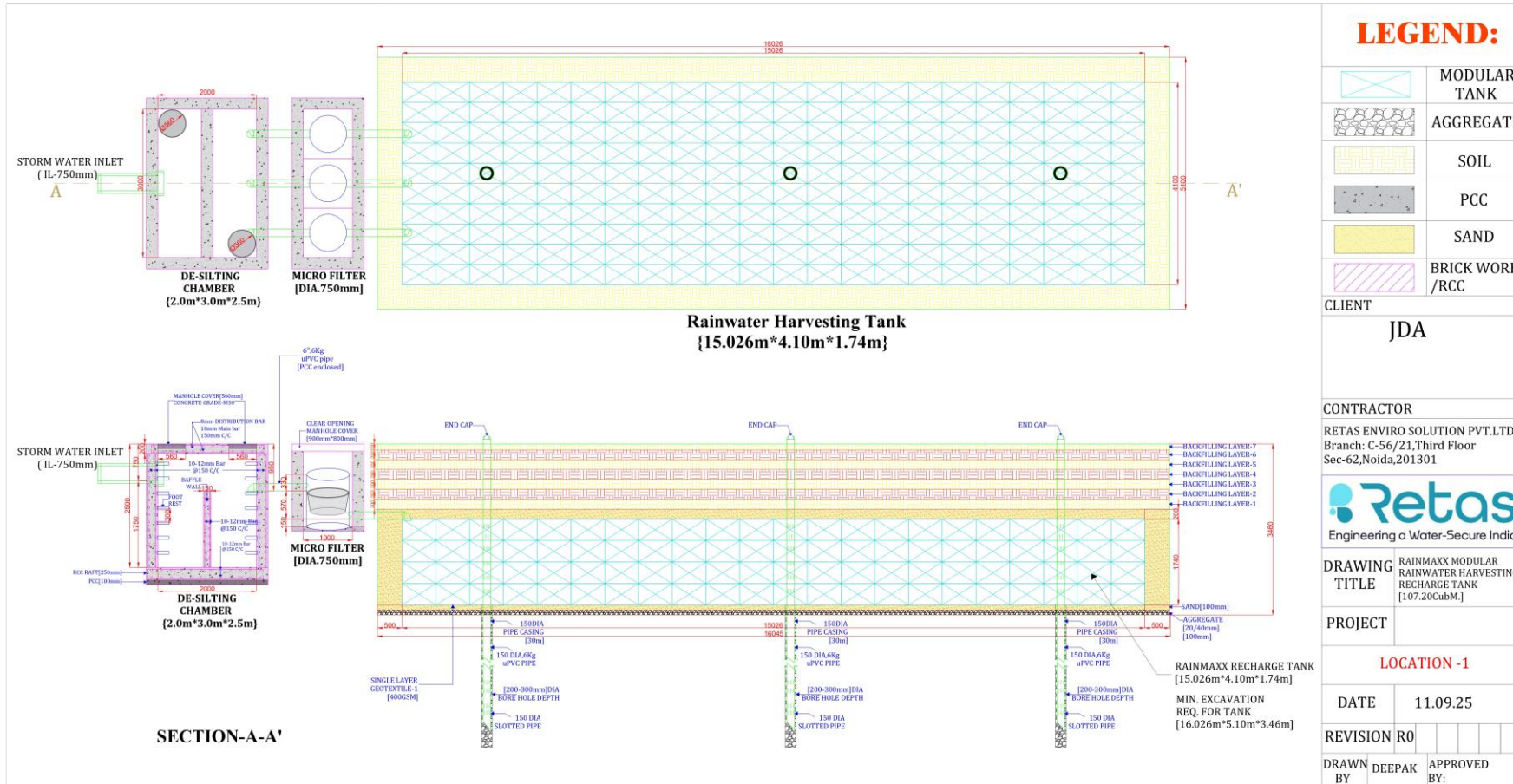
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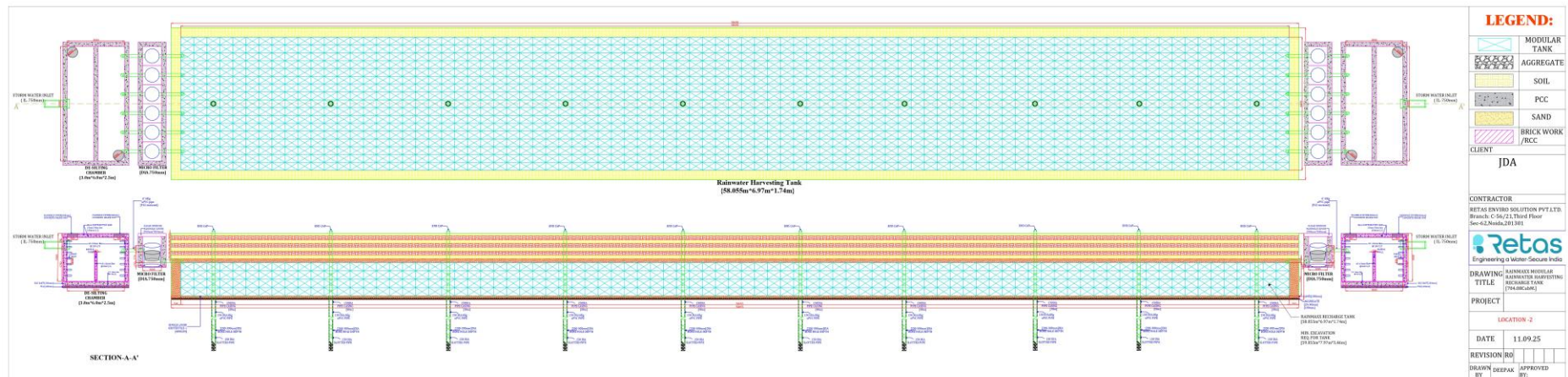
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REVISION R0

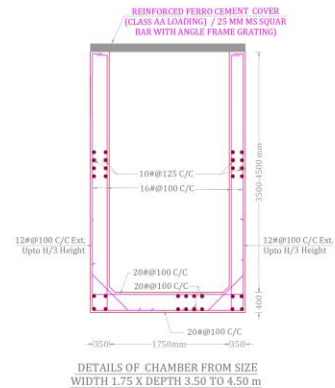
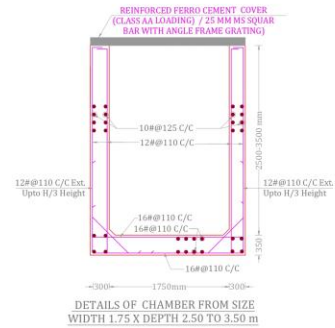
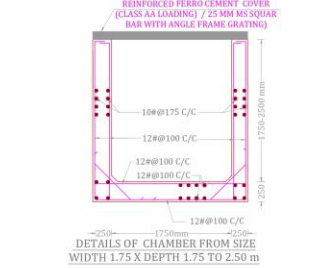
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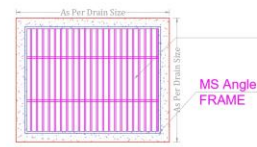
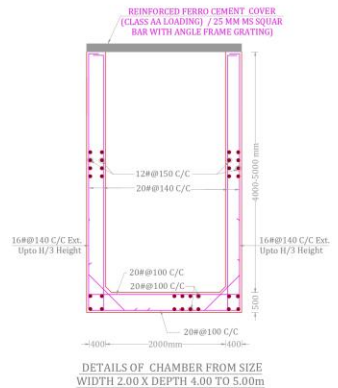
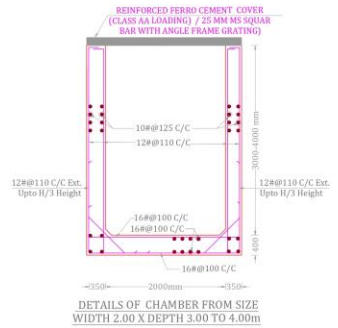
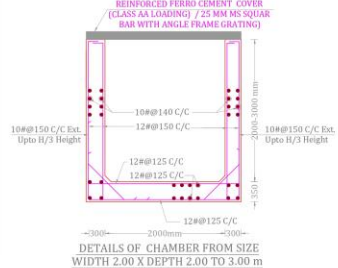




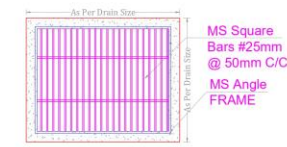
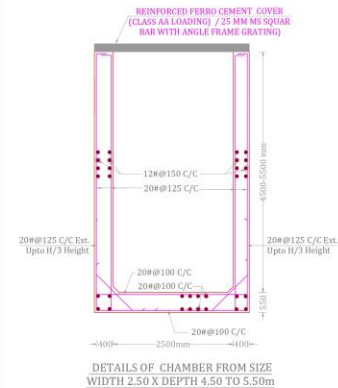
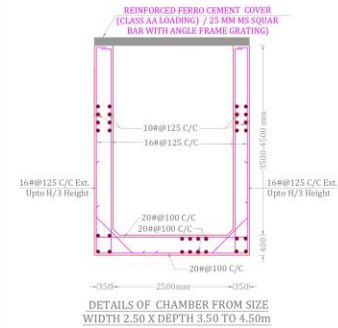
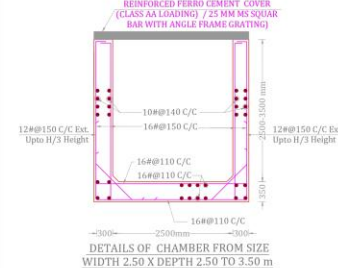
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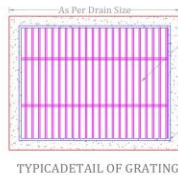
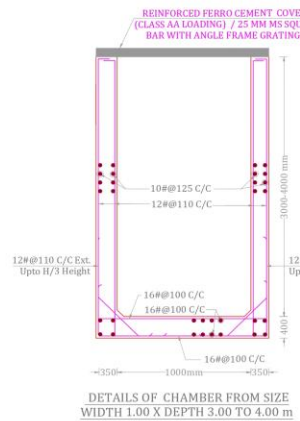
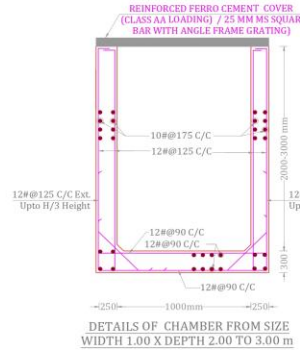
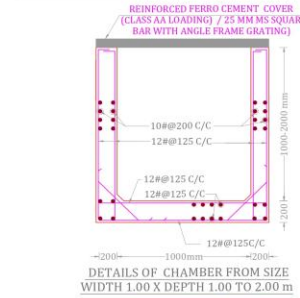
NOTES :-

- (A) MATERIAL SPECIFICATIONS :-
1. CONCRETE
2. CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.
3. GRADE OF CONCRETE SHALL BE AS FOLLOWS :- (i) PCC - M10, (ii) RCC - M30
4. AGGREGATE SHALL CONFORM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.
5. REINFORCEMENT :-
6. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS 1786).
7. SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.
- (B) WORKMANSHIP (DETAILS) :-
1. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.
2. THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS - 456-2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.
3. APPROVED PAC WATER STOPS AND SEALANT APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS.
4. THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.
5. BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:-
- (a) FOR HARDENED CONCRETE THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LANTANCE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.
- (b) FOR PARTIALLY HARDENED CONCRETE THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET.
- (c) THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT.
6. WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.
7. BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS - 2502
8. SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS - 2502.
9. SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.
10. IRC 8-2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

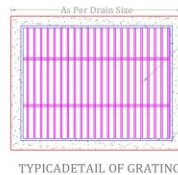
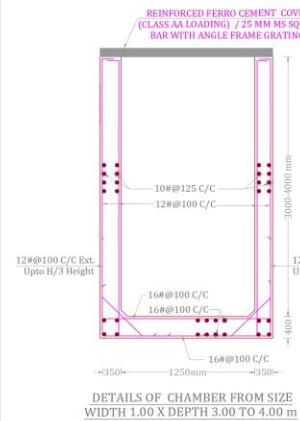
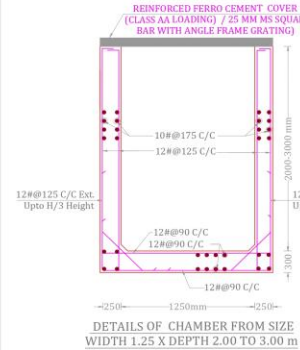
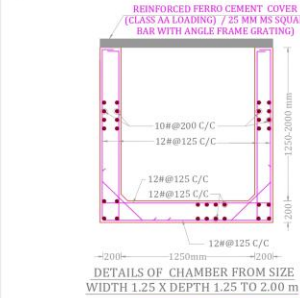
FOR TENDER PURPOSE ONLY

CLIENT	JAIPUR DEVELOPMENT AUTHORITY JLN MARG, JAIPUR-302017		
CONSULTANT	WAPCOS LIMITED (A GOVT OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)		
PROJECT	PROFESSIONAL PREPARATION OF DETAILED DRI FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM MINARU ROAD TO KHERA PHATAK ROAD AND FROM AMER DOLA BYPASS TO BEMAR ROAD RAILWAY LINE, ZONE-4 AREA, JDA JAIPUR		
SECTION	LOCATION: JAIPUR	DETAIL OF CAST IN SITU DRAIN CHAMBER (FOR DRAIN SIZE (1.75 X 1.75M) TO (2.50 X 2.50)	
DESIGNED	D.S.		
DRAWN	G.K.		
CHECKED & VERIFIED	K.S.		
APPROVED	S/O K.S.	SCALE: AS SHOWN	SHEET REV
DATE	17.02.2024	DRG. NO. WAP/JDA/06	3 OF 5 0

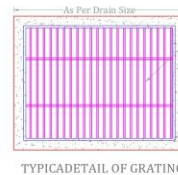
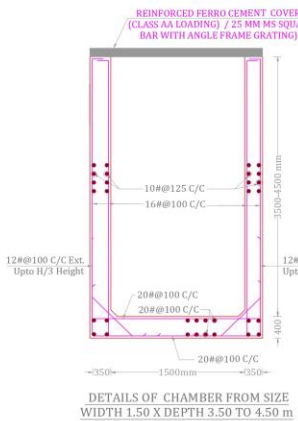
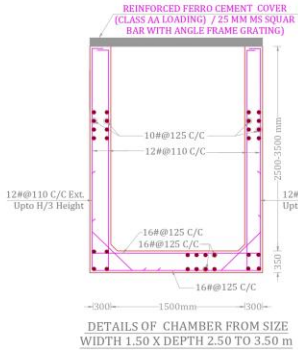
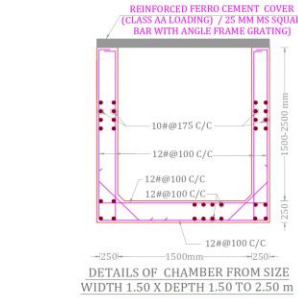
FOR BOX 1.00 M X 1.00 M



FOR BOX 1.25 M X 1.25 M



FOR BOX 1.50 M X 1.50 M



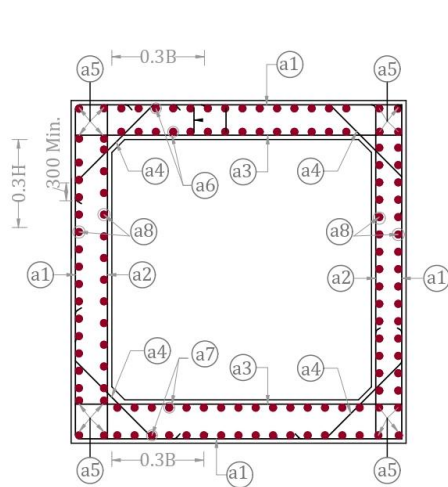
NOTES :-

(A) MATERIAL SPECIFICATIONS :-

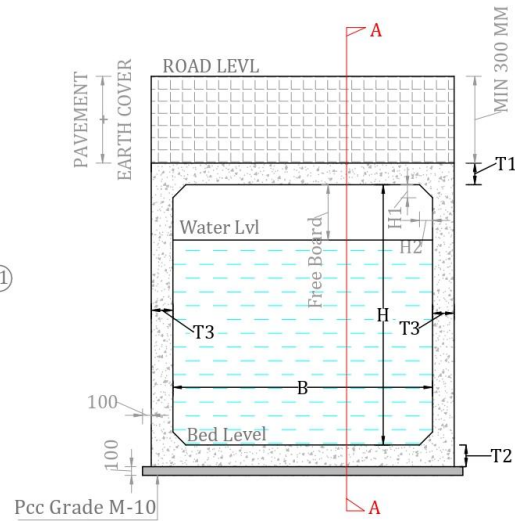
- CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS: (i) RCC - M10, (ii) RCC - M30
- AGGREGATE SHALL CONFIRM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.
- REINFORCEMENT :-
- ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS 1786.)
- SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.
- WORKMANSHIP / DETAILS :-
- MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.
- THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456-2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE. LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES. THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.
- APPROVED PVC WATER STOPS AND SEALANT, APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS.
- THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.
- BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:
 - FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LANTANE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.
 - FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR-JET.
 - THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT.
- WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.
- BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502
- SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.
- SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.
- RCC 8 : 2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

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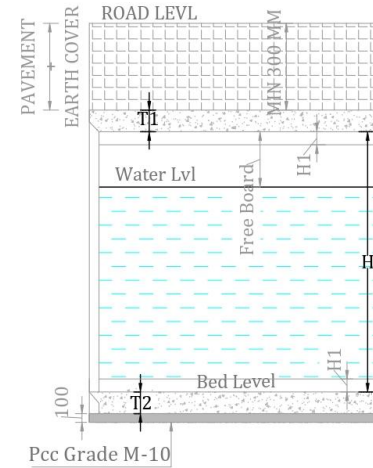
CLIENT		JAIPUR DEVELOPMENT AUTHORITY JLN MARG, JAIPUR-302017	
CONSULTANT		WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)	
PROJECT		PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NHARU ROAD TO SHRI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BENAR ROAD RAILWAY LINE, ZONE-4 AREA, JDA, JAIPUR	
SECTION	JAIPUR	DETAIL OF CAST IN SITU DRAIN CHAMBER (FOR DRAIN SIZE (1.00 X 1.00M) TO (1.50 X 1.50)	
LOCATION	JAIPUR		
DESIGNED	D.S.		
DRAWN	S.K.	SCALE - AS SHOWN	
CHECKED & VERIFIED	K.S.		
APPROVED	SG	DATE	17.02.2024
	K.S.	DRG. NO.	WAP/JDA/06
		SHEET	3 OF 3
		REV	0



REINFORCEMENT DETAILS
OF BOX CULVERT



TYPICAL CROSS SECTION OF BOX SEGMENT



SECTION A-A

SCHEDULE OF DIMENSIONS							
S.NO.	B (MM)	H (MM)	T1 (MM)	T2 (MM)	T3 (MM)	H1 (MM)	H2 (MM)
1.	2000	2000	240	240	240	200	200

NOTES :-

(A) MATERIAL SPECIFICATIONS :-

1. CONCRETE

1. CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.

2. GRADE OF CONCRETE SHALL BE AS FOLLOWS : (i). PCC - M10, (ii). RCC - M40

3. AGGREGATE SHALL CONFIRM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.

2. REINFORCEMENT :-

1. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS:1786.)

2. SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.

(B) WORKMANSHIP / DETAILING :-

1. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.

2. THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456:2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES.THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.

3. APPROVED PVC WATER STOPS AND SEALANT APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS

4. THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.

5. BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:

(a) FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LANTANCE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.

(b) FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET.

(c) THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY, BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT.

6. WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.

7. BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502.

8. SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.

9. SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.

10. IRC 6 :2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

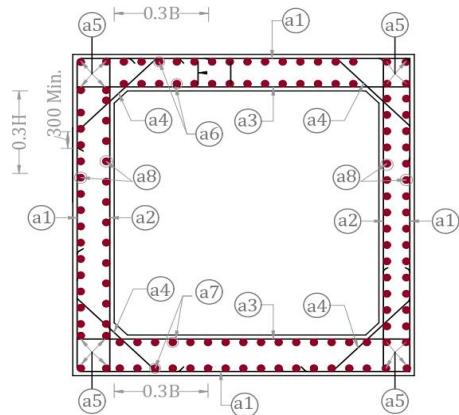
SCHEDULE OF REINFORCEMENT

BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1		10	100
a2		8	100
a3		10	100
a4		8	100
a5		8	4-nos
a6		8	100
a7		8	100
a8		8	100

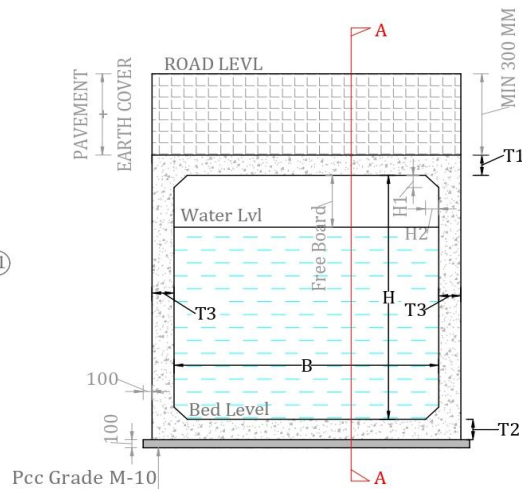
FOR TENDER PURPOSE ONLY

CLIENT	JAIPUR DEVELOPMENT AUTHORITY JLN MARG ,JAIPUR-302017		
CONSULTANT	WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)		
PROJECT	PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NIWARU ROAD TO KHRNI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BEHAR ROAD RAILWAY LINE, ZONE-6 AREA, JDA, JAIPUR		
SECTION			
LOCATION	JAIPUR		
DESIGNED	D.S.		
DRAWN	S.K.		
CHECKED & VERIFIED	K.S.		
APPROVED	K.S.		
SIG	K.S.		
DATE	17.02.2024		
SCALE : AS SHOWN		SIZE-A0	SHEET
DRG NO. WAP/JDA/06		3 OF 5	REV
			0

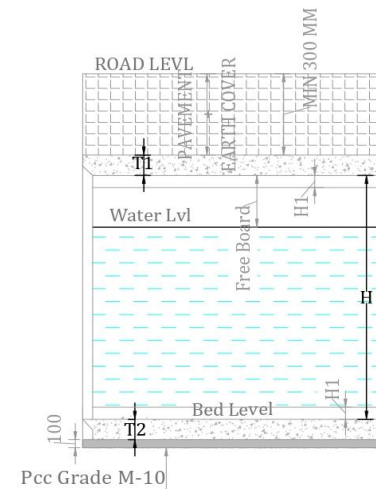
DETAIL OF PRECAST BOX DRAIN
(2.00 X 2.00 M)



REINFORCEMENT DETAILS
OF BOX CULVERT



TYPICAL CROSS SECTION OF BOX SEGMENT



SECTION A-A

SCHEDULE OF DIMENSIONS							
S.NO.	B (MM)	H (MM)	T1 (MM)	T2 (MM)	T3 (MM)	H1 (MM)	H2 (MM)
3	1000	1000	125	125	125	125	125

NOTES :-

(A) MATERIAL SPECIFICATIONS :-

1. CONCRETE

1. CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.

2. GRADE OF CONCRETE SHALL BE AS FOLLOWS : (i). PCC - M10, (ii). RCC - M40

3. AGGREGATE SHALL CONFORM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.

2. REINFORCEMENT :-

1. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS:1786.)

2. SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.

(B) WORKMANSHIP / DETAILING :-

1. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.

2. THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456 2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES.THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS

3. APPROVED PVC WATER STOPS AND SEALANT APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS

4. THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.

5. BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:

(a) FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LAINTANCE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.

(b) FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET.

(c) THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY, BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT

6. WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.

7. BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502.

8. SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.

9. SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.

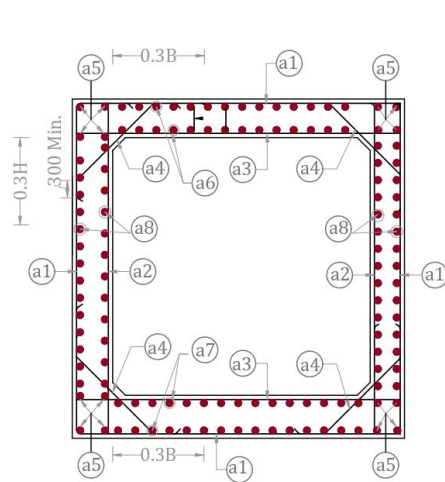
10. IRC 6 : 2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

SCHEDULE OF REINFORCEMENT

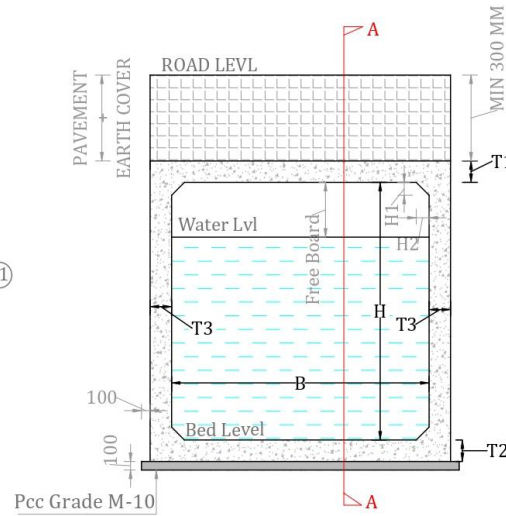
BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1		8	100
a2		8	100
a3		8	100
a4		8	100
a5		8	4-nos
a6		8	200
a7		8	200
a8		8	200

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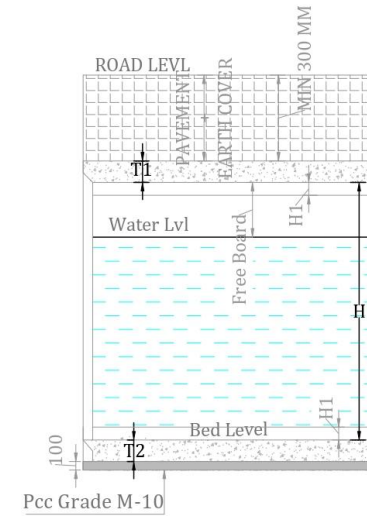
CLIENT		JAIPUR DEVELOPMENT AUTHORITY JLN MARG ,JAIPUR-302017			
CONSULTANT		WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)			
PROJECT		PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NIWARU ROAD TO KHIRNI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BENAR ROAD RAILWAY LINE, ZONE-6 AREA, JDA, JAIPUR			
SECTION	JAIPUR	DETAIL OF PRECAST BOX DRAIN (1.00 X 1.00 M)			
LOCATION	D.S.				
DESIGNED	S.K.				
DRAWN	K.S.				
CHECKED & VERIFIED	SIG	SCALE : AS SHOWN			
APPROVED	DATE	DRG. NO.	SIZE-A0	SHEET	REV
	17.02.2024	WAP/JDA/06	1 OF 5	0	



**REINFORCEMENT DETAILS
OF BOX CULVERT**



TYPICAL CROSS SECTION OF BOX SEGMENT



SECTION A-A

SCHEDULE OF DIMENSIONS							
S.NO.	B (MM)	H (MM)	T1 (MM)	T2 (MM)	T3 (MM)	H1 (MM)	H2 (MM)
5	1750	1750	230	230	230	200	300

NOTES :-

(A) MATERIAL SPECIFICATIONS :-

1. CONCRETE

1. CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.

2. GRADE OF CONCRETE SHALL BE AS FOLLOWS : (i). PCC - M10, (ii). RCC - M40

3. AGGREGATE SHALL CONFIRM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.

2. REINFORCEMENT :-

1. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS 1786)

2. SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.

(B) WORKMANSHIP / DETAILING :-

1. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.

2. THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456-2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES. THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.

3. APPROVED PVC WATER STOPS AND SEALANT APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS

4. THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.

5. BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:
(a) FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LAINTANCE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.

(b) FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET.

(c) THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY, BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT.

6. WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.

7. BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502.

8. SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.

9. SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.

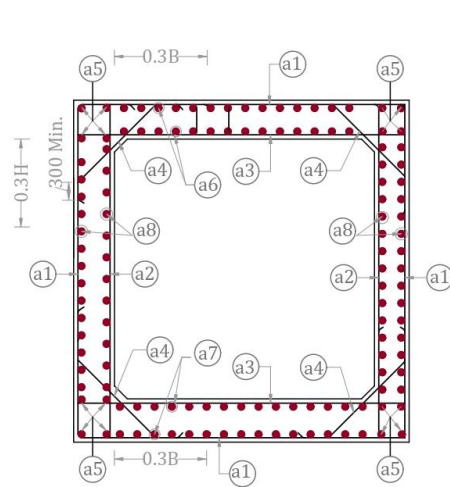
10. IRC 6 : 2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

SCHEDULE OF REINFORCEMENT

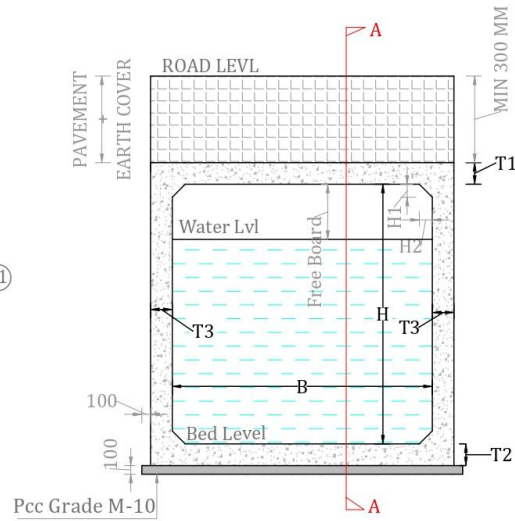
BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1		10	100
a2		8	100
a3		10	100
a4		8	100
a5		8	4-nos
a6		8	100
a7		8	100
a8		8	100

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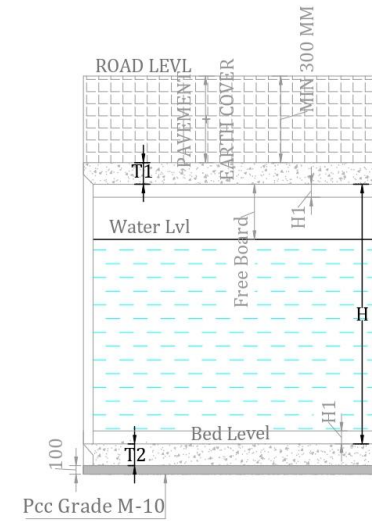
CLIENT		JAIPUR DEVELOPMENT AUTHORITY JLN MARG ,JAIPUR-302017			
CONSULTANT		WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)			
PROJECT		PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NIWARU ROAD TO KHRINI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BEHAR ROAD RAILWAY LINE, ZONE-6 AREA, JDA, JAIPUR			
SECTION	JAIPUR	DETAIL OF PRECAST BOX DRAIN (1.75 X 1.75 M)			
LOCATION	D.S.				
DESIGNED	S.K.				
DRAWN	K.S.				
CHECKED & VERIFIED	SIG	SCALE : AS SHOWN			
APPROVED	DATE	DRG. NO. WAP/JDA/06		SIZE-A0	SHEET 5 OF 5
	17.02.2024				REV 0



REINFORCEMENT DETAILS
OF BOX CULVERT



TYPICAL CROSS SECTION OF BOX SEGMENT



SECTION A-A

SCHEDULE OF DIMENSIONS							
S.NO.	B (MM)	H (MM)	T1 (MM)	T2 (MM)	T3 (MM)	H1 (MM)	H2 (MM)
1	1500	1500	190	190	190	190	190

NOTES :-

(A) MATERIAL SPECIFICATIONS :-

1. CONCRETE

- CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS : (i). PCC - M10, (ii). RCC - M40
- AGGREGATE SHALL CONFIRM IS 456:2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.

2. REINFORCEMENT :-

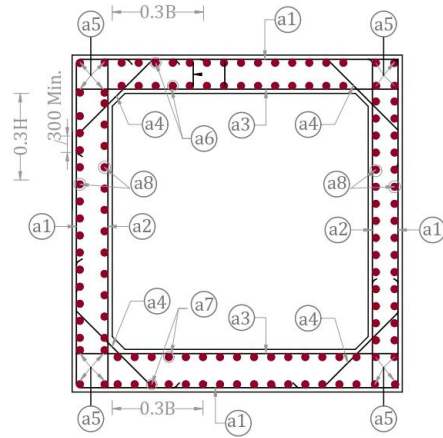
- ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS:1786).
- SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.
- (B) WORKMANSHIP / DETAILING :-
- MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.
- THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456:2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES.THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.
- APPROVED PVC WATER STOPS AND SEALANT APPROVED AS PER ENGINEER IN CHARGE IN CONSTRUCTION JOINTS
- THE CONCRETE SURFACE AT THE JOINT SHALL BE BRUSHED WITH A STIFF BRUSH AFTER CASTING WHILE THE CONCRETE IS STILL FRESH AND IT HAS ONLY SLIGHTLY HARDENED.
- BEFORE NEW CONCRETE IS POURED THE SURFACE OF OLD CONCRETE SHALL BE PREPARED AS UNDER:
 - FOR HARDENED CONCRETE, THE SURFACE SHALL BE THOROUGHLY CLEANED TO REMOVE DEBRIS/LAINTANCE AND MADE ROUGH SO THAT 1/4 OF THE SIZE OF THE AGGREGATE IS EXPOSED.
 - FOR PARTIALLY HARDENED CONCRETE, THE SURFACE SHALL BE TREATED BY WIRE BRUSH FOLLOWED BY AN AIR JET.
 - THE OLD SURFACE SHALL BE SOAKED WITH WATER WITHOUT LEAVING PUDDLES IMMEDIATELY, BEFORE STARTING CONCRETING TO PREVENT THE ABSORPTION OF NEW CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE REGION OF THE JOINT.
- WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.
- BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502.
- SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.
- SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.
- IRC 6 :2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

SCHEDULE OF REINFORCEMENT

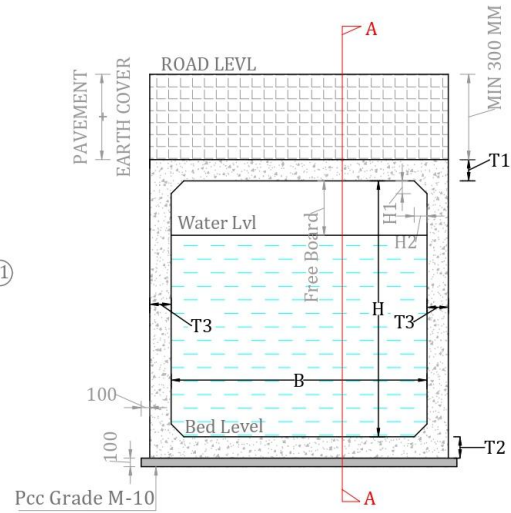
BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1		10	125
a2		8	125
a3		10	125
a4		8	125
a5		8	4-nos
a6		8	125
a7		8	125
a8		8	125

FOR TENDER PURPOSE ONLY

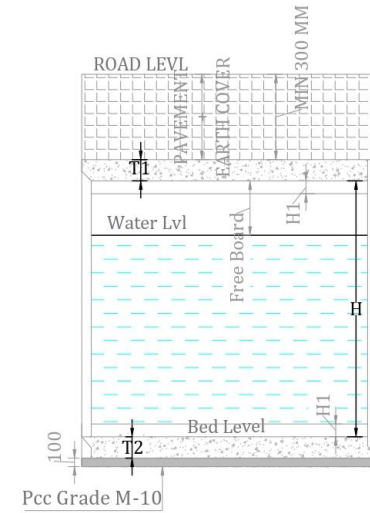
CLIENT		JAIPUR DEVELOPMENT AUTHORITY JLN MARG ,JAIPUR-302017			
CONSULTANT		WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)			
PROJECT		PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NIWARU ROAD TO KHIRNI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BENAR ROAD RAILWAY LINE, ZONE-6 AREA, JDA, JAIPUR			
SECTION		DETAIL OF PRECAST BOX DRAIN (1.50 X 1.50 M)			
LOCATION	JAIPUR				
DESIGNED	D.S.				
DRAWN	S.K.				
CHECKED & VERIFIED	K.S.				
APPROVED	SIG	K.S.	SCALE : AS SHOWN		SIZE-A0
	DATE	17.02.2024	DRG. NO. WAP/JDA/06		SHEET 2 OF 5
				REV	0



REINFORCEMENT DETAILS
OF BOX CULVERT



TYPICAL CROSS SECTION OF BOX SEGMENT



SECTION A-A

SCHEDULE OF DIMENSIONS							
S.NO.	B (MM)	H (MM)	T1 (MM)	T2 (MM)	T3 (MM)	H1 (MM)	H2 (MM)
1	1250	1250	150	150	150	150	150

NOTES :-

(A) MATERIAL SPECIFICATIONS :-

1. CONCRETE

- CONCRETE SHALL BE AS PER DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150MM CUBES FOR ALL ELEMENTS OF STRUCTURE.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS : (i). PCC - M10, (ii). RCC - M40
- AGGREGATE SHALL CONFIRM IS 456-2000 AND MAXIMUM AGGREGATE SIZE SHOULD NOT EXCEED 40MM.

2. REINFORCEMENT :-

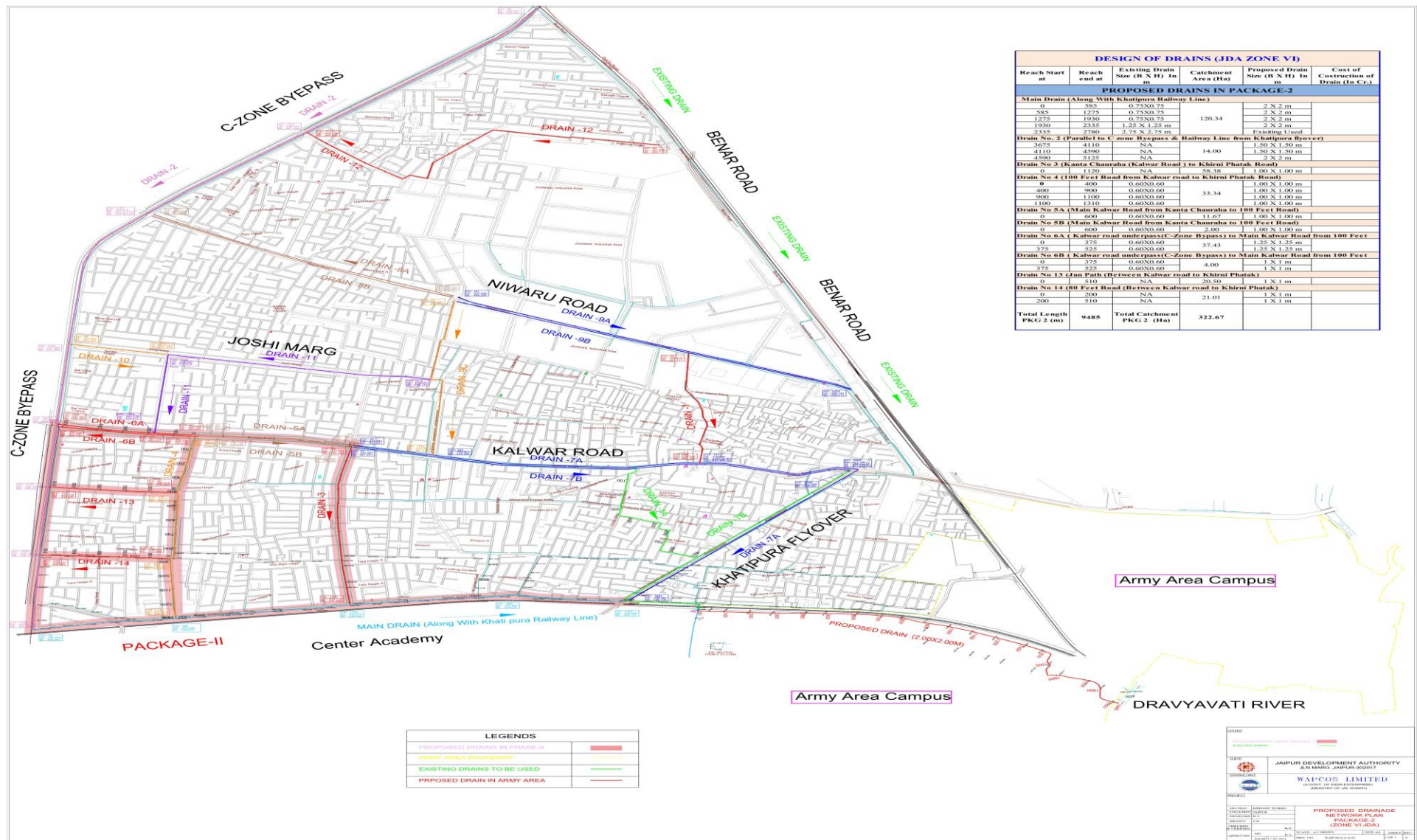
- ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500 CONFORMING TO IS:1786.)
- SPACING GIVEN FOR ALL REINFORCEMENT IS PERPENDICULAR TO BAR UNLESS OTHERWISE SHOWN ON DRAWINGS.
- (B) WORKMANSHIP / DETAILING :-
- MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50 MM UNLESS OTHERWISE SHOWN IN THE DRAWINGS.
- THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE APPROVED AS PER IS : 456-2000 AVOIDED ANY KIND OF LEAKAGE FROM STRUCTURE LOCATION OF CONSTRUCTION JOINTS IN THE DIRECTION PARALLEL TO THE DIRECTION OF WATER FLOW IS SHOWN IN THE GENERAL ARRANGEMENT DRAWINGS OF BOX CELL STRUCTURES.THE CONCRETING OPERATION SHALL BE CARRIED OUT CONTINUOUS UPTO THE CONSTRUCTION JOINTS.
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- WELDING OF REINFORCEMENT BARS SHALL NOT BE PERMITTED.
- BENDING OF REINFORCEMENT BARS SHALL BE AS PER IS : 2502.
- SUPPORTING CHAIRS OF 12 MM DIAMETER SHALL BE PROVIDED AT SUITABLE INTERVALS AS PER IS : 2502.
- SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.
- IRC 6-2000 CLASS AA LOADING IS CONSIDERED FOR BOX DRAIN.

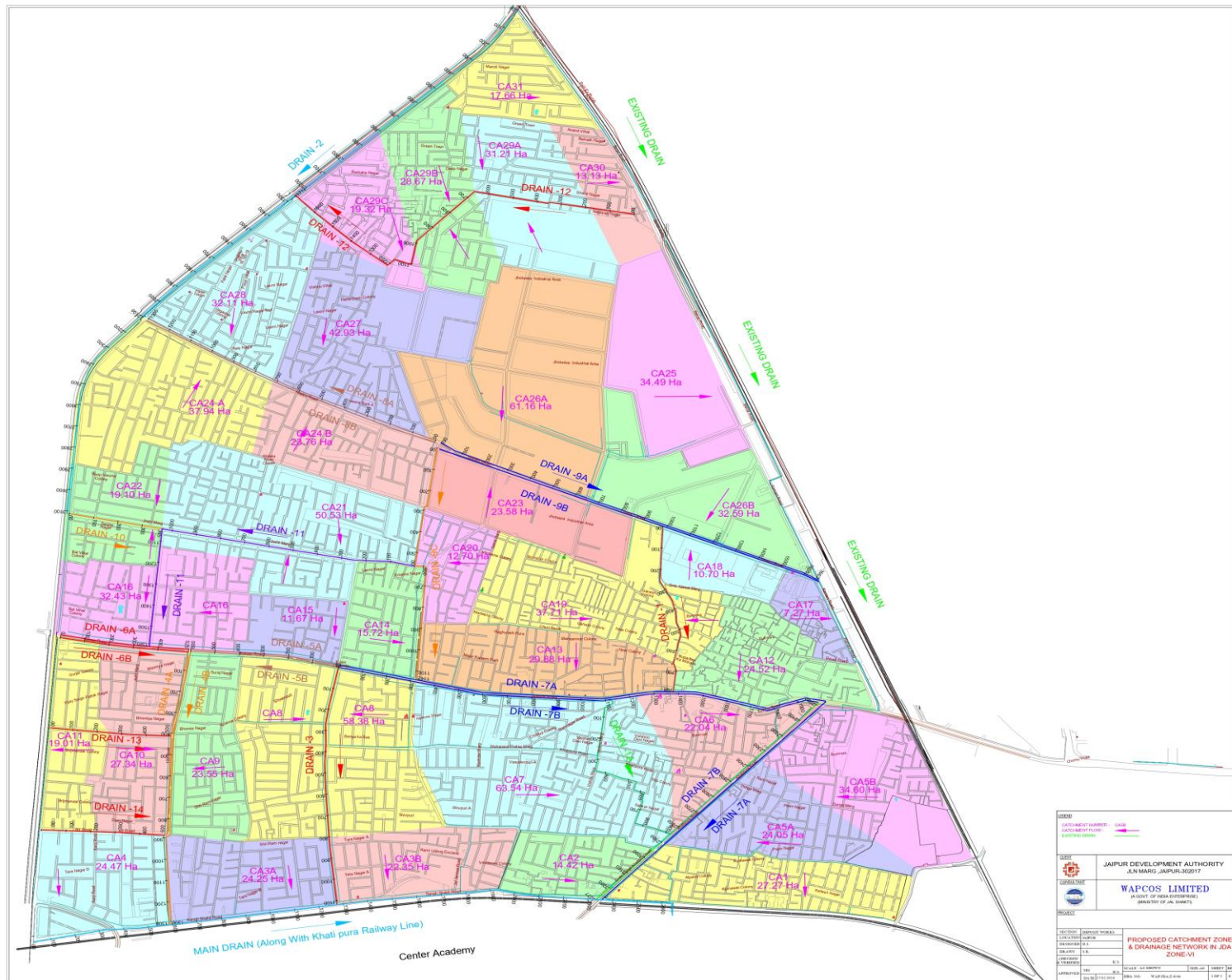
SCHEDULE OF REINFORCEMENT

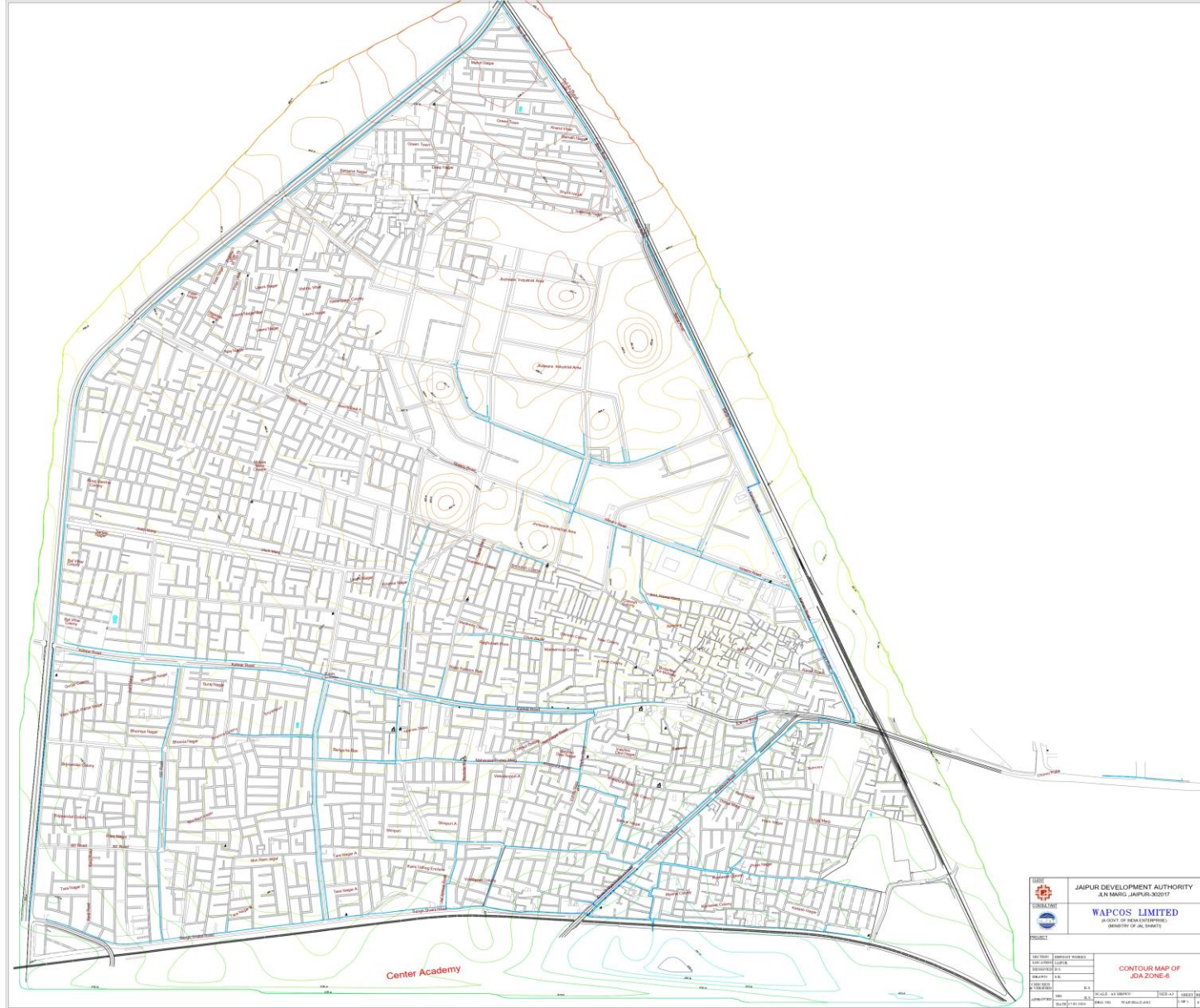
BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1		10	125
a2		8	125
a3		10	125
a4		8	125
a5		8	4-nos
a6		8	125
a7		8	125
a8		8	125

FOR TENDER PURPOSE ONLY

CLIENT		JAIPUR DEVELOPMENT AUTHORITY JLN MARG ,JAIPUR-302017	
CONSULTANT		WAPCOS LIMITED (A GOVT. OF INDIA ENTERPRISE) (MINISTRY OF JAL SHAKTI)	
PROJECT		PROFESSIONAL PREPARATION OF DETAILED DPR FOR SOLUTION OF WATER LOGGING PROBLEM AND PLANNING/DESIGNING OF DRAIN FOR FINAL DISPOSAL OF RAIN WATER FROM NIWARU ROAD TO KHRNI PHATAK ROAD AND FROM AJMER DELHI BYPASS TO BENAR ROAD RAILWAY LINE, ZONE-6 AREA, JDA, JAIPUR	
SECTION		DETAIL OF PRECAST BOX DRAIN (1.25 X 1.25 M)	
LOCATION	JAIPUR		
DESIGNED	D.S.		
DRAWN	S.K.		
CHECKED & VERIFIED	K.S.		
APPROVED	SIG	SCALE : AS SHOWN	SIZE-A0
	DATE	DRG. NO.	SHEET
	17.02.2024	WAP/JDA/06	4 OF 5
			REV
			0







Tender Inviting Authority: Jaipur Development Authority, Jaipur

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the						
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	Dismantling of Flexible Pavements Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per MoRTH Specification Clause 202 By Manual Means By Mechanical Means Bituminous Courses	15835.969	cum	100.00	1583596.900	INR Fifteen Lakh Eighty Three Thousand Five Hundred & Ninety Six and Paise Ninety Only
2	Dismantling of Cement Concrete Pavements as per MoRD Specification Clause 202. Dismantling of cement concrete pavements by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 m, stacking serviceable and unserviceable materials separately	350.000	Cum	632.00	221200.000	INR Two Lakh Twenty One Thousand Two Hundred Only
3	Dismantling Guard Rails Dismantling guard rails by manual means and disposal of dismantled material with all lifts and upto a lead of 1000 m, stacking serviceable materials and unserviceable materials separately as per MoRTH Specification Clause 202.	100.000	R.Mtr	44.00	4400.000	INR Four Thousand Four Hundred Only
4	Dismantling Kerb Stones Dismantling kerb stones by manual means and disposal of dismantled material with all lifts and upto a lead of 1000 m as per MoRTH Specification Clause 202.	100.000	R.Mtr	8.00	800.000	INR Eight Hundred Only
5	Carriage of material from quarry / crusher to work site including loading, unloading and stacking all complete. Earth, Sand, Lime, Morrum manure or sludge For 10 Km.	59872.000	Cum	79.55	4762817.600	INR Forty Seven Lakh Sixty Two Thousand Eight Hundred & Seventeen and Paise Sixty Only
6	Providing and laying Precast reinforced cement concrete Box culvert section of M-40 grade designed for 'AA' class loading as per IRC specifications including to effect of impact, EQ etc. complete on firm base of 200mm thick lean concrete of M-10 grade with aggregate of size 40mm nominal of following internal size the work includes required safety measures cost of design of RCC Precast Box and its proof checking from IIT / NIT / Government Engineer College complete in all respect as per specifications					

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
6.1	Size 2.00 M x 2.00 M 2578.000 P.Rmt 26328.00 67873584.000 INR Six Crore Seventy Eight Lakh Seventy Three Thousand Five Hundred & Eighty Four Only
6.2	Size 1.50 M x 1.50 M 854.000 P.Rmt 23061.00 19694094.000 INR One Crore Ninety Six Lakh Ninety Four Thousand & Ninety Four Only
6.3	Size 1.25 M x 1.25 M 490.000 P.Rmt 15911.00 7796390.000 INR Seventy Seven Lakh Ninety Six Thousand Three Hundred & Ninety Only
6.4	Size 1.00 M x 1.00 M 4830.000 P.Rmt 12089.00 58389870.000 INR Five Crore Eighty Three Lakh Eighty Nine Thousand Eight Hundred & Seventy Only
7	CEMENT CONCRETE (CAST-IN-SITU): 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. 45.1 B-3-I-3.1 M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size). 20.000 Cum 4544.00 90880.000 INR Ninety Thousand Eight Hundred & Eighty Only
7.1	M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). 233.000 Cum 4624.00 1077392.000 INR Ten Lakh Seventy Seven Thousand Three Hundred & Ninety Two Only
7.2	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). 15.000 Cum 3731.00 55965.000 INR Fifty Five Thousand Nine Hundred & Sixty Five Only
8	FORM WORK Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc. 16399.000 Sqm 340.00 5575660.000 INR Fifty Five Lakh Seventy Five Thousand Six Hundred & Sixty Only
9	CAST-IN-SITU CONCRETE: Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement. M20 grade Nominal Mix / Design Mix 2333.000 Cum 4934.00 11511022.000 INR One Crore Fifteen Lakh Eleven Thousand & Twenty Two Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
9.1	Add extra for providing richer mixes respectively at all floor levels Providing M-30 grade concrete by using cement as per codal provision instead of M-20 grade design mix. 2333.000 Cum 139.00 324287.000 INR Three Lakh Twenty Four Thousand Two Hundred & Eighty Seven Only
10	STEEL REINFORCEMENT: Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. ('Original producers' who manufacture billet directly from iron ores and roll the billets to produce steel conforming to IS:1786) Thermo-mechanically Treated bars (Conforming of relevant IS code) 233300.000 Kg 77.00 17964100.000 INR One Crore Seventy Nine Lakh Sixty Four Thousand One Hundred Only
11	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and MoRD Specification Clause 406. By Mechanical Means with 1 km lead By Mechanical Means with all lead 4525.000 Cum 1147.00 5190175.000 INR Fifty One Lakh Ninety Thousand One Hundred & Seventy Five Only
12	Prime Coat Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base(WBM/WMM) including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per MoRTH Specification Clause 502 30164.000 Sqm 31.00 935084.000 INR Nine Lakh Thirty Five Thousand & Eighty Four Only
13	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per MoRTH Specification Clause 503. 30164.000 Sqm 11.00 331804.000 INR Three Lakh Thirty One Thousand Eight Hundred & Four Only
14	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.30 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per MoRTH Specification Clause 503. 30164.000 Sqm 9.60 289574.400 INR Two Lakh Eighty Nine Thousand Five Hundred & Seventy Four and Paise Forty Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
15	Dry Lean Cement Concrete Construction of dry lean cement concrete Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing 175.000 Cum 2715.00 475125.000 INR Four Lakh Seventy Five Thousand One Hundred & Twenty Five Only
16	Cement Concrete Pavement with Slip Form Paver Construction of un-reinforced , plain cement concrete pavement M-40 (Grade), thickness as per design, over a prepared sub base, with 43/53 grade cement as per Clause 602, coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 31.5 mm, mixed in a in fully automatic Batching Plant and transported to site in transit mixer for having continous agitated mixer, manufactured as per approved mix design including pumping of R.M.C. from transit mixer to site of laying , with all lead and lift including cost of admixtures in recommended portion as per IS 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge laid with a Slip Form Paver (laying and fixing of 150 micron thick polythene film) and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days using water finishing to lines and grade as per drawing and MoRTH Specification Clause 602 should have minimum flexural strengthen of 4.5 MPa, including vaccum dewatering process with all required equipments. (Dowel Bars will be paid seprately). 438.000 Cum 6900.00 3022200.000 INR Thirty Lakh Twenty Two Thousand Two Hundred Only
17	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder minimum @ 5.2 & 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH Specifications Clause 507 complete in all respects for Grading-II(13 mm nominal size) Bitumen (VG-30) 3393.000 P.MT 3360.00 11400480.000 INR One Crore Fourteen Lakh Four Hundred & Eighty Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
17.1	for Grading-I (19 mm nominal size) Bitumen (VG-30) 3469.000 P.MT 3377.00 11714813.000 INR One Crore Seventeen Lakh Fourteen Thousand Eight Hundred & Thirteen Only
18	Dismantling Brick/Tile Work Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per MoRD Specification Clause 202. Cement mortar 135.000 Cum 195.00 26325.000 INR Twenty Six Thousand Three Hundred & Twenty Five Only
19	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats, or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide 178617.000 Kg 96.00 17147232.000 INR One Crore Seventy One Lakh Forty Seven Thousand Two Hundred & Thirty Two Only
20	Providing and fixing of Reinforced Ferro cement Drain cover designed for class "AA" loading duly marked on cover with adequate steel reinforcement having thickness 75 mm to 150 mm anti- corrosive bitumen painted M.S. plate Rim and on M.S. lifting hooks admixture like plasticizer bond improving compound shrinkage resistance compound abrasion resistant complete as per approved design etc. for drain Opeining Size 701 to 1200 mm Standard Drain Cover Size 1500mm x 600mm x 125mm 106.000 Sqm 3124.00 331144.000 INR Three Lakh Thirty One Thousand One Hundred & Forty Four Only
20.1	for drain Opeining Size 1201 to 1500 mm Standard Drain Cover Size 2100mm x 500mm x 150mm 238.000 P.Sqm 4457.00 1060766.000 INR Ten Lakh Sixty Thousand Seven Hundred & Sixty Six Only
21	Granular Sub-base with Well Graded Material (Table 400.1) By Mix in Place Method Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor Mount Grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per MoRD Specification Clause 401. For Grading I Material 4525.000 Cum 512.00 2316800.000 INR Twenty Three Lakh Sixteen Thousand Eight Hundred Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
22	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Un-Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray (with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR 25.0 Sq. mm 3.5 core 50.000 Mtr 256.00 12800.000 INR Twelve Thousand Eight Hundred Only
23	Supplying and making one end termination with Nickel plated heavy duty brass single compression gland (as per IS 12943-1990)) SIBG type consisting of Check Nut, Gland Body, Metal Washer(3 Nos.), Outer Seal Rubber Ring, Compression Nut, heavy duty aluminium lugs (as per IS 8309 -1993) duly crimped with crimping tool, PVC tape as per IS 8337-1976 of following size of PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 3 core 185.0 Sqmm 10.000 Mtr 1904.00 19040.000 INR Nineteen Thousand &Forty Only
24	Supplying and making one end termination with Nickel plated heavy duty brass single compression gland (as per IS 12943-1990)) SIBG type consisting of Check Nut, Gland Body, Metal Washer(3 Nos.), Outer Seal Rubber Ring, Compression Nut, heavy duty aluminium lugs (as per IS 8309 -1993) duly crimped with crimping tool, PVC tape as per IS 8337-1976 of following size of PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 3.5 x 70.0 Sqmm 50.000 Per set 382.00 19100.000 INR Nineteen Thousand One Hundred Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
25	Providing, fixing, maintaining, shifting & refixing, barricading of a steel portable barricade with horizontal sheet 0.60 mtr wide, 2.4 mtr in length fitted on a "A" frame and sheet painted with 2 coats of yellow paint, lettering (CAUTION, JDA AT WORK, DRIVE SLOW) on sheet with RED paint & border with reflective paint at the time of every shifting, traffic diversion arrangement, safety guard, suitable lightning arrangement during night if required, complete in all respect till completion of the project as per technical specification and direction of Engineer-In-charge and same shall be possessed by the contractor after completion of the project. Payment under this item will be released:- (1) 50% at the time of providing new barricading at the time of start of project at location and plan as approved by the Engineer & certification (2) 50% After completion of project including shifting, re-erecting and maintaining the barricading in position, during entire construction tenure with requisite manpower/flagman etc. Complete for guiding traffic and safety etc and dismantling after completion of project. 1900.000 Each 2918.00 5544200.000 INR Fifty Five Lakh Forty Four Thousand Two Hundred Only
26	Providing of Mud pump with hose pipe in required length on 8 hrs hire charges with P.O.L., the pump should be completed with suction and delivery attachment as per site requirement. 50 HP Mud pump tractor mounted with driver, operator and helper. 60.000 Per Shift for 8 hours 2440.00 146400.000 INR One Lakh Forty Six Thousand Four Hundred Only
27	Providing of Mud pump with hose pipe in required length on 8 hrs hire charges with P.O.L., the pump should be completed with suction and delivery attachment as per site requirement. Rate for idle period (50% of rate) 60.000 Per Shift for 8 hours 1220.00 73200.000 INR Seventy Three Thousand Two Hundred Only
28	Supply & Fixing of RCC Ferro Cement Foot Steps as per drawing & design and safe load as per cast iron Foot Steps (ultimate load 1 MT) 4036.000 Each 156.00 629616.000 INR Six Lakh Twenty Nine Thousand Six Hundred & Sixteen Only
29	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift. 1892.000 Cum 64.00 121088.000 INR One Lakh Twenty One Thousand & Eighty Eight Only
30	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5 m , disposed earth to be levelled and neatly dressed : All kinds of soil 3478.000 Cum 175.00 608650.000 INR Six Lakh Eight Thousand Six Hundred & Fifty Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

Contract No: JDA_EE_6_2025_26_NIB_20

Name of the	
31	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils 78528.000Cum178.0013977984.000 INR One Crore Thirty Nine Lakh Seventy Seven Thousand Nine Hundred & Eighty Four Only
31.1	Add extra for foundation/trenches/drains for every additional lift of 1.5 Mtr or part thereof in All kinds of soil 35416.000Cum34.001204144.000 INR Twelve Lakh Four Thousand One Hundred & Forty Four Only
32	Providing & Laying CE Marked Needle Punched and Mechanically Bonded Non-Woven Geotextile Indigenously manufactured from high quality Polypropylene stable fibres (Continuous filament will not be accepted) on the prepared subgrade for seperator cum filtration cum drainage application with necessary overlaps as per drawing. e) Type V (TFI-TechGeo PR40), Minimum width 5.0 meter. As per the approved comparative Statement. 2250.000Sqm240.00540000.000 INR Five Lakh Forty Thousand Only
33	Dismantling CI pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into block, including stacking of pipes lead at site within 50 meter, of dia:
33.1	Up to 150mm dia. 50.000Mtr109.005450.000 INR Five Thousand Four Hundred & Fifty Only
33.2	Above 150mm dia. up to 300mm dia. 50.000Mtr147.007350.000 INR Seven Thousand Three Hundred & Fifty Only
33.3	Above 300mm dia. 50.000Mtr197.009850.000 INR Nine Thousand Eight Hundred & Fifty Only
34	Dismantling of RCC spun vent shaft including excavating the cement concrete pit completely, taking out the shaft, refilling the excavated gap stacking the useful material near the site and disposal of unserviceable materials within 50 meter lead. 5.000Each1271.006355.000 INR Six Thousand Three Hundred & Fifty Five Only
35	Dismantling of CI sluice valve including stacking of useful materials within a lead of 50 meter: Up to 150mm dia. 50.000Each99.004950.000 INR Four Thousand Nine Hundred & Fifty Only
35.1	Above 150mm dia. 20.000Each353.007060.000 INR Seven Thousand &Sixty Only

Name of Work: Construction of drain for final disposal of rain water from kalwad road to khirni phatak road and from ajmer delhi bypass to khatipura road zone 6 area jda jaipur phase 1 part II

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Name of the	
36 Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 Mtrs lead : Upto 1.44 Sqm	50.000 Sqm 311.00 15550.000 INR Fifteen Thousand Five Hundred & Fifty Only
36.1 Above 1.44 Sqm to 2.52 Sqm	50.000 Sqm 462.00 23100.000 INR Twenty Three Thousand One Hundred Only
36.2 Above 2.52 Sqm to 3.84 Sqm	50.000 Sqm 693.00 34650.000 INR Thirty Four Thousand Six Hundred & Fifty Only
37 Modules:- Supply and installation of an innovative, LEGO-style modular polymer-based underground stormwater management system, engineered with a honeycomb structural design and manufactured using 100% recycled polypropylene. The system is capable of withstanding vehicular loads up to 40 tonnes making it ideal for deployment beneath driveways, parking lots, and other traffic-bearing surfaces. Each tank module consists of a combination of large plates (683mm x 410mm) and small plates (369mm x 410mm) with integrated double-locking slots to ensure superior connection integrity and block stability. Single Tank Configuration: 4 large + 5 small plates Triple Tank Configuration: 10 large + 15 small plates Each assembled single tank provides a storage capacity of 0.126 m³ (0.683m x 0.410m x 0.450m) External locking system with minimum 14 slots per large plate for enhanced stability during load-bearing use. Designed for quick assembly, modular expansion, and long-term durability. Recommended Make: Retas (Approved Makes: Retas, Rehau, ACO) Recommended Make: Retas (Approved Makes: Retas, Rehau, ACO)	1102.000 Cum 18925.00 20855350.000 INR Two Crore Eight Lakh Fifty Five Thousand Three Hundred & Fifty Only
38 Filtration Unit: - Supply and installation of FRP-based Rainwater Harvesting Microfilter with 750mm diameter and 1000mm height, equipped with dual 6" inlet and outlet ports. The filter includes an internal SS 304 mesh for effective primary filtration. • Flow Rate Capacity: Minimum 40–45 KL/hr • Constructed from UV-resistant, corrosion-proof FRP body for long life • Suitable for rooftop and stormwater collection • Must be GRIHA and SVAGRIHA Certified (GRIHA Criteria 18 & 21, SVAGRIHA Criterion 9) with valid certification on date of installation • Compatible with modular tank systems for both recharge and reuse applications Recommended Make: Retas, Aco, Rehau, Atharva	21.000 Nos. 77654.00 1630734.000 INR Sixteen Lakh Thirty Thousand Seven Hundred & Thirty Four Only
39 Labour charges for Removing S.W. pipes including breaking of joints & bed concrete, stacking of useful material at site within 50 mtr. Lead and disposal of unserviceable material within 0.5Km. Lead:200, 230 & 250mm dia pipe	20.000 R.Mtr 25.00 500.000 INR Five Hundred Only

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Name of the						
40	Providing Laying & jointing glazed S.W. pipes grade `A` (IS:651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc complete. 150mm dia	20.000	R.Mtr	406.00	8120.000	INR Eight Thousand One Hundred & Twenty Only
41	Providing Laying & jointing glazed S.W. pipes grade `A` (IS:651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc complete. 200mm dia	20.000	R.Mtr	565.00	11300.000	INR Eleven Thousand Three Hundred Only
42	Providing, Laying & Jointing R.C.C. class NP-2 Non-Pressure pipes (IS : 458mark) of approved make with collars, jointed with C.M. 1:2 or having Spigot and socket ends with flexible rubber rings joint including testing of joints etc. complete : 300mm dia Internal	50.000	R.Mtr	991.00	49550.000	INR Forty Nine Thousand Five Hundred & Fifty Only
43	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2 .) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant. 160 mm dia	65.000	R.Mtr	463.00	30095.000	INR Thirty Thousand & Ninety Five Only
44	Providing & Laying C.C. 1:3:6 (Stone Agreegate 20mm nominal size) all around PVC Pipe including 7.5 cm thick bed concrete [Width & Height = Dia of Pipe in CM+15CM] excluding cost of Pipe & Excavation of trenches etc. PVC pipe 160 mm dia	65.000	R.Mtr	425.00	27625.000	INR Twenty Seven Thousand Six Hundred & Twenty Five Only
45	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant: Coupler (socket) 160 mm dia	21.000	Each	119.00	2499.000	INR Two Thousand Four Hundred & Ninety Nine Only
46	P & F Close timbering in trenches including strutting, shoring and packing cavities (wherever required) etc. Complete (Measurement to be taken of the face area timbered): Depth exceeding 1.5 Mtr but not exceeding 3 Mtr	9860.000	Sqm	99.00	976140.000	INR Nine Lakh Seventy Six Thousand One Hundred & Forty Only
46.1	Depth exceeding 3 Mtr but not exceeding 4.5 Mtr	2394.000	Sqm	109.00	260946.000	INR Two Lakh Sixty Thousand Nine Hundred & Forty Six Only
47	Providing & laying C.C 1:5:10 (stone aggregate 40mm nominal size) upto haunches of S.W. pipes including 150 mm thick bed concrete (idth W= Dia of pipe in cm + 30 cm) concrete width to be reduced from width W at center of pipe (Excluding cost of pipe) 150 mm dia S.W. pipe	20.000	P. METER	353.00	7060.000	INR Seven Thousand & Sixty Only

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Name of the	
47.1	250 mm dia S.W. pipe 20.000 Per Meter 482.00 9640.000 INR Nine Thousand Six Hundred & Forty Only
48	Desilting of covered nala covered drain and cleaning of trash over grating for proper functionality of nallah. The scope shall includes Desilting of covered nala covered drain including removing and refixing of stone patties, ferro cement grain covers grating dismantling of existing cement RCC flooring etc and replacing the same at the same and proper level with the same material or as specified by EI after desilting of nallah as per direction of engineer with all lead lift disposal should be at specified NNJ dumping yard complete in all respect Cleaning of each and every grating chutes for proper flow of water in the nallah as per direction of EI complete in all respect. 341.460 Km per month, 55875.00 19079077.500 INR One Crore Ninety Lakh Seventy Nine Thousand & Seventy Seven and Paise Fifty Only
Total in Figures	
Quoted Rate in Figures	
Quoted Rate in Words	