

जयपुर विकास प्राधिकरण, जयपुर

(कमरा न0 CCC-TF 313, नागरिक सेवा केन्द्र भवन)

इन्दिरा सर्किल, जेएलएन मार्ग, जयपुर-302004

क्रमांक : जविप्रा/अधि.अभि. (उद्यान-।।)/2023/डी-120

दिनांक : 06-07-23

निविदा सूचना

क्रमांक : जविप्रा/अधि.अभि. (उद्यान-।।)/03/2023-24

जयपुर विकास प्राधिकरण द्वारा “ **Development of Retiring chamber, Anicut, culvert work, renovation of water bodies, and Pipe line work in Tiger Safari in Nahargarh Biological Park, JDA, Jaipur (under phase II).**” जिसकी अनुमानित लागत राशि रु 205.74 लाख के लिए ऑनलाईन बिड्स दिनांक 27.07.2023 को सायं 6:00 बजे तक आमन्त्रित की जाती है। निविदा बोली का ऑनलाईन आवेदन व भुगतान जविप्रा पोर्टल पर करने की अन्तिम तिथि 27.07.2023 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.)

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 अभियंता (उद्यान-।।)
जविप्रा, जयपुर।

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Room No. CCC-TF-313, CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur
- 302004

Telephone: +91-141-2569696 e.mail: sanjayvyas.jda@rajasthan.gov.in

No.: JDA/EE(Garden-II)/2023/D- 170

Dated: 06-07-23

NOTICE INVITING BID

NIB NO : JDA/EE (Garden-II)/03/2023-24

Online Bids are invited up-to 06:00 PM of 27.07.2023 for **Development of Retiring chamber, Anicut, culvert work, renovation of water bodies and Pipe line work in Tiger Safari in Nahargarh Biological Park, JDA, Jaipur (under phase II)** The last date for Applying Bid and making online payment on JDA portal is up-to 06:00 PM of 27.07.2023. The estimated cost of NIB is Rs. 205.74. 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

UBN:

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 (Garden-II),
JDA, Jaipur

Detail NIB for uploading on SPP Portal, e-Procurement, JDA Portal & as part of NIB Document

JAIPUR DEVELOPMENT AUTHORITY

Room No. CCC-TF-313, CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur
- 302004

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NOTICE INVITING BID

NIB No. : JDA/EE-Garden-II/ 03/2023-24

Name & Address of the Procuring Entity	Name : Executive Engineer (Garden-II), Jaipur Development Authority, Address: Room No. CCC-TF-313, CCC Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur 302004 (Rajasthan) Email:- : sanjayvyas.jda@rajasthan.gov.in
Name of work	Development of Retiring chamber, Anicut, culvert work, renovation of water bodies and Pipe line work in Tiger Safari in Nahargarh Biological Park, JDA, Jaipur (under phase II)
Bid Procedure	Single-stage open competitive eBid procedure at http://eproc.rajasthan.gov.in
Bid Evaluation Criteria (Selection Method)	L1 (eg. Least Cost based Selection (LCBS)-L1)
Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.	Websites: www.sppp.rajasthan.gov.in , www.eproc.rajasthan.gov.in , www.jda.urban.rajasthan.gov.in
Estimated Procurement Cost	INR Rs. 2,05,74,000.00 (Rupees Two Crore Five Lacs Seventy Four 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. 1000/- (Rupees Five Hundred only) ○ RISL Processing Fee: Rs. 2000/- (Rupees Five Hundred only) ○ 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% i.e. Rs. 411480.00) For A & 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) ➤ Amount (INR: 0.5% i.e. Rs. 102870.00) for Bidder registered as a contractor in the appropriate class (A and above) in JDA. ➤ 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. 411480.00) shall be deposited by bidders (Joint Venture firm)

Start/ End Date for Bid Applying Bid and making Online Payment on JDA portal*	➤ Start Date: 08.07.2023 at 11:00 AM onwards ➤ End Date: 27.07.2023 at 06:00 PM ➤ In case EMD in form BG Original Bank Guarantee is to be submitted in Room No 215N, Extension Building, Jaipur Development Authority, JLN Marg, Jaipur by 28.07.2023 from 9.30 AM to 01.08.2023 up to 3.30 PM (within three working days from the last date of submission of bid.)
Bid Submission on e-Procurement Portal of GOR**	➤ Start Date: 08.07.2023 at 11:00 AM onwards ➤ End Date: 27.07.2023 at 06:00 PM
Date/Time/Place of pre-Bid	N/A
Date/ Time/ Place of Technical Bid Opening	N/A
Date/ Time/ Place of Financial Bid Opening	02.08.2023 at 01.00 PM
Bid Validity	➤ 120 days from the bid submission deadline
Time Period	06 Months
A&F/Job No.	045/2022-23

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

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 (GARDEN-II)
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 (Garden-II)
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 potholes 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 particular attention to those road sections, which are likely to be damaged during the 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 (Garden-II)
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 of 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, Safe crypt, n Code 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 e-Proc 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 RTPP Act 2012 and Rules thereto, the later shall prevail.

Jaipur Development Authority, Jaipur.	
Bid Participation Receipt	
	Date & Time:-
Bid Detail	
Bid ID:	Procurement Entity:-
Bid Title:	
Bid Value:	Bid Opening Place:
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 e-Proc 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

Name Of Work : Development of Retiring chamber, Anicut, culvert work, renovation of water bodies, and Pipe line work in Tiger Safari in Nahargarh Biological Park, JDA, Jaipur (under phase II).

G-Schedule

Amount And Rate In (Rs.)					
Sr. No	Particulars	Quantity	Unit	Rate	Amount
1	Clearing and Grubbing Road Land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per MoRD Specification Clause 201. By Manual Means B) In area of thorny jungle	0.400	Hectare	27,441.00	10,976.40
2	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 sum 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	863.700	cum	111.60	96,388.92
3	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.	100.000	cum	40.50	4,050.00
4	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	33.722	cum	2,058.30	69,409.99
5	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. M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	1.350	cum	2,882.70	3,891.65
6	Providing and laying damp-proof course with cement concrete grade M-150 (1 : 2 : 4) mortar prepared with 1% solution of water-proof compound complete as per specification . 75mm thick.	87.570	sqm	340.20	29,791.31
7	Providing & fixing precast cement concrete coping 1 : 2 : 4 mix 50mm thick complete as per specification :	25.000	sqm	229.50	5,737.50
8	Dismantling and stacking within 50 meters lead fencing post, struts, including earth work dismantling of concrete etc. in the case of: R.C.C. posts.	134.000	Each	50.40	6,753.60
9	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.	476.670	sqm	212.40	1,01,244.71
10	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 : Walls (any thickness) including attached pilasters, buttresses plinth and string course.	25.000	sqm	180.90	4,522.50
11	Add extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentring at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan are is to be measured)	60.000	sqm	107.10	6,426.00
12	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc.	58.080	sqm	99.00	5,749.92
13	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	2.126	cum	2,961.00	6,295.09

14	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five 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 for Beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	66.324	cum	3,232.80	2,14,412.23
15	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five 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 for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. M20 grade Nominal Mix / Design Mix	20.000	cum	3,673.80	73,476.00
16	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 6 (1 cement : 6 coarse sand)	18.524	cum	2,949.30	54,632.83
17	Half brick masonry in foundation & plinth using bricks of designation 75 Cement mortar 1 : 3 (1 cement : 3 coarse sand)	3.450	sqm	343.80	1,186.11
18	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. Thermo-mechanically Treated bars (Conforming of relevent IS code)	12,000.000	Kg	62.10	7,45,200.00
19	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in : Cement Mortar 1:6 (1-Cement : 6-Sand).	1266.181	cum	1,770.30	22,41,520.22
20	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in : Cement Mortar 1:6 (1-Cement : 6-Sand).	132.325	cum	2,169.90	2,87,132.02
21	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in : Dry Masonry.	10.000	cum	1,486.80	14,868.00
22	Supplying and fixing in walls machine cut and polished stone shelves, tands and in CM 1:3 with machine cut edges : Sand or other approved stone 25mm thick.	1.620	sqm	315.00	510.30
23	Supplying and fixing stone lintels/bed plates of approved quarry rough dressed in cement mortar 1:4 : Upto 15 cm. thick.	0.472	cum	5,997.60	2,830.87
24	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 200mm x 300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).	169.735	sqm	462.60	78,519.41
25	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting (height upto 10 m) , fixing in position and applying a priming coat of approved steel primer all complete:	15,146.450	Kg	59.40	8,99,699.13
26	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	13,219.500	Kg	66.60	8,80,418.70
27	Providing & fixing ball bearing for rolling shutters	40.000	Each	377.10	15,084.00
28	Providing and fixing M.S. sheet 1mm thick single leaf door shutter in angle iron frame 35x35x5mm suitably diagonally braced with 25x3mm flat iron above and below lock rail of size 50x5mm beading extra including all fittings, as per direction of Engg. incharge but excluding cost of chowkhats: including two coats of anit-corrosive red oxide primer paint	4.650	sqm	1,875.60	8,721.54
29	Supplying and fixing fixed wire gauge of 14 mesh x 24 gauge to the metal frame of rolled section by metal beading 20x3mm with suitable screw at not exceeding 150mm distance.	14.955	sqm	385.20	5,760.67

30	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS. 2645 over the RCC slab including cleaning the surface before treatment. (b) Laying cement concrete using broken bricks/brick bats 25 mm to 100mm size with 50% of cement mortar 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300x300xmm square (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge. With average thickness of 120mm and minimum thickness at khurra as 65 mm.	331.820	sqm	309.60	1,02,731.47
31	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :	81.400	mtr	72.90	5,934.06
32	Random rubble dry stone Kharanja under floor.	89.250	cum	581.40	51,889.95
33	Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) For area of each slab from 901 to 2000 Sq.Cm :	76.907	sqm	593.10	45,613.54
34	Rough Chisel dressed Kota stone 35 mm thick flooring of approved shade set in pattern over 20mm thick base of cement mortar 1:6 (1 cement : 6 coarse sand) and pointing with cement sand mortar 1:3 with pigment to match the shade of stone with joint thickness up to 15 mm complete in all respects :	249.100	sqm	391.50	97,522.65
35	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 20mm thick .	437.233	sqm	107.10	46,827.65
36	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 25 mm thick.	381.840	sqm	121.50	46,393.56
37	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 6 mm thick cement plaster to ceiling of mix 1:3 (1cement : 3-fine sand)	250.390	sqm	67.50	16,901.33
38	Distempering with dry distemper of approved brand and shade (two or more coats) and of required shade on new work, over and including, priming coat of whitening to give an even shade including all scaffolding.	407.000	sqm	33.30	13,553.10
39	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	276.100	sqm	39.60	10,933.56
40	Rough cast plaster upto 10m height above ground level with a mixture of sand and gravel or crushed stone from 6mm to 10mm nominal size dashed over and including the fresh plaster in two layers, under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement. Ordinary cement finish using ordinary cement	532.150	sqm	212.40	1,13,028.66
41	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete	437.233	sqm	64.80	28,332.70
42	P & F Grating of approved quality/make: Stainless Steel Sheet size 125mm dia. Heavy Quality of approved make	4.000	Each	55.80	223.20
43	P & F Grating of approved quality/make: Stainless Steel Sheet size 125mm dia.	10.000	Each	36.00	360.00
44	P & F Liquid Soap Container with brackets complete of approved make: C.P. brass	3.000	Each	135.00	405.00
45	P & F waste Coupling with fittings of approved quality /make: C.P.Brass 40 mm dia	1.000	Each	148.50	148.50
46	P & F Towel Rail or Ring of approved quality/make: Synthetic Material (PTMT) of approved quality/make size 525 x90 x 75mm	1.000	Each	86.40	86.40
47	P & F Bath Shower of approved quality/make. C.P. brass fixed.	1.000	Each	81.90	81.90
48	P & F Extension Pipe for bib cocks of approved quality/make. C.P. brass of Heavy & Superior quality 50x15mm	3.000	Each	54.90	164.70
49	Providing & fixing C.P.flange for 15mm dia taps.	20.000	Each	9.90	198.00
50	P. & F Squatting Pan (Indian type) white glazed vitreous china 1st quality W.C. Pan (IS : 2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor (excluding the pair of foot rest.) Size 510 mm	1.000	Each	700.20	700.20

51	P & F Indian type white glazed vitreous china 1st quality W.C. orissa pan (IS :2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor: Size 530x410mm.	1.000	Each	1,475.10	1,475.10
52	P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (IS : 8934 Mark) & 32 mm C.P. brass waste coupling of approved make, 25 mm G.I. waste pipe complete including cutting & making good the wall.: Size 550 mm x 400 mm	1.000	Each	1,557.00	1,557.00
53	P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (IS : 8934 Mark) & 32 mm C.P. brass waste coupling of approved make, 25 mm G.I. waste pipe complete including cutting & making good the wall.: Size 450 mm x 300 mm	2.000	Each	1,332.90	2,665.80
54	P & F Kitchen & Lab. Sink of approved make with C.I. brackets duly painted, 40 mm C.P. waste coupling, C.P. Brass chain with rubber plug, 40 mm G.I. waste pipe up-to floor level complete including cutting and making good the wall & floor : WVC Lab sink (IS:2556 mark) size 450 x 300 x 150 mm	1.000	Each	1,205.10	1,205.10
55	P & F G.I. pipes (Internal Work) with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors: Exposed on wall 15 mm dia nominal bore 'B' Class	25.000	mtr	121.50	3,037.50
56	P & F G.I. pipes (Internal Work) with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors: Exposed on wall 25mm dia nominal bore 'B' Class	50.000	mtr	207.00	10,350.00
57	P & F G.I. Pipes (External Work) with G.I. fittings excluding union (IS : 1239 Mark) including trenching & refilling earth etc. 25mm dia nominal bore 'B' Class	350.000	mtr	165.60	57,960.00
58	COCKS, MIXERS, DIVERTORS & VALVES Note : (a) The rates are for ISI marked item. (b) If the items are Non-ISI marked, reduce the rate by 25%. P & F Pillar Cocks (IS :8934 Mark) of superior quality and approved make: C.P. Pillar cock Elbow action, 15 mm nominal bore.	1.000	Each	584.10	584.10
59	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make : Gun-metal 25mm nominal bore.	11.000	Each	391.50	4,306.50
60	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make : Gun-metal 20mm nominal bore.	2.000	Each	262.80	525.60
61	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make : Gun-metal 32mm nominal bore.	2.000	Each	520.20	1,040.40
62	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 1000 litres capacity.	5.000	Each	5,400.00	27,000.00
63	Supply & fixing G.I. Union ISI marked in G.I. pipe line as required complete in all respect of size :25mm dia nominal bore	5.000	Each	126.90	634.50
64	P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gysar etc. C.P. Inlet connection 15mm.Brass (IS : 8931 marked)	1.000	Each	475.20	475.20
65	P & F 15 mm. Dia Connection Pipe of approved quality/make : PVC pipe with C.P. Brass nuts upto length, 450mm.	10.000	Each	69.30	693.00
66	P & F Spouts of superior quality and approved make: C.P. brass spout	2.000	Each	490.50	981.00
67	P & F Mixing Range (15mm) C.P. One hole/close hole basin mixer with casted spout.	1.000	Each	1,582.20	1,582.20
68	P & F Mixing Range (15mm) C.P. sink mixer with swinging spout J-pipe.	1.000	Each	1,645.20	1,645.20
69	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. (Internal work Exposed on wall) 25 mm nominal outer dia pipes	250.000	R.Mtr.	156.60	39,150.00
70	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. (Internal work Exposed on wall) 32mm nominal outer dia pipes	250.000	R.Mtr.	205.20	51,300.00

71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. (Internal work Exposed on wall) 50 mm nominal outer dia pipes	150 000	R.Mtr.	445.50	66,825.00
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.,) 15 mm nominal outer dia pipes	170 000	R.Mtr.	159.30	27,081.00
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.,) 20mm nominal outer dia pipes	170 000	R.Mtr.	165.60	28,152.00
74	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge. (External work). 32mm nominal outer dia pipes	900 000	R.Mtr.	190.80	1,71,720.00
75	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge. (External work). 50 mm nominal outer dia pipes	15 000	R.Mtr.	430.20	6,453.00
76	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. 110 mm dia	150 000	mtr	156.60	23,490.00
77	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	180 000	mtr	225.00	40,500.00
78	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) 110mm dia	8.000	Each	62.10	496.80
79	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) 75mm dia	5.000	Each	51.30	256.50
80	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	6.000	Each	69.30	415.80
81	Plain Tee 110mm dia	5.000	Each	108.90	544.50
82	Plain Tee 160 mm dia	5.000	Each	118.80	594.00
83	Door Tee 110mm dia	5.000	Each	124.20	621.00
84	Door Tee 160 mm dia	5.000	Each	133.20	666.00
85	Door 'Y' 110mm dia	2.000	Each	134.10	268.20
86	Double 'Y' 110mm dia	2.000	Each	180.90	361.80
87	Bend 87.5 160 mm dia	11.000	Each	99.90	1,098.90
88	Bend 87.5 110mm dia	11.000	Each	90.00	990.00
89	Socket plug 110mm dia	6.000	Each	47.70	286.20
90	Socket plug 160mm dia	6.000	Each	59.40	356.40
91	Bend 45 110mm dia	6.000	Each	73.80	442.80
92	Bend 45 160 mm dia	6.000	Each	83.70	502.20

93	Vent Cowel 110mm dia	15.000	Each	32.40	486.00
94	Door Cap 110mm dia	8.000	Each	36.00	288.00
95	Door Cap 160 mm dia	6.000	Each	45.90	275.40
96	Construction of chamber in all type of soil with 300 mm thick masonry in CM 1:6 m, 10 cm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in Cm 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr. Inside size 450 x 450 mm depth upto 0.5 M Cement cover with frame	5.000	Each	1,377.00	6,885.00
97	Construction of chamber in all type of soil with 300 mm thick masonry in CM 1:6 m, 10 cm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in Cm 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr. Inside size 300 X 300 mm depth upto 0.5 M Cement cover with frame.	5.000	Each	620.10	3,100.50
98	Construction of septic Tank in all types of soil with 40 Cm .thick masonry in CM 1:6, 15 Cm thick C.C bed of 1:5:10, M-15 grade C.C flooring & over stone slab covering ,80 mm thick slab jointing of slab in CM 1:3. Ralthal, Kharanja, 50 mm thick stone partition walls, 20 mm thick plaster in CM 1:6 finished with neat floating cement, 4 Nos C.I foot rests of approved design ,two No. 450 mm dia each Ferro cement cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 mtr:- Size 230 x110 x150 cm (for 20 users)	1.000	Each	23,715.00	23,715.00
99	Construction of Soakage well in all types of soil of approved drawing, top 90 Cm .Portion in 450mm thick masonry with CM 1:6, 80 mm thick stone slab covering, jointing of slab in CM 1:3 .Ralthal, kharanja 40mm thick M-15 grade C.C flooring, earth work etc . complete including disposal of surplus earth within a lead of 50 mtr . Inner dia 90 Cm & 10 to 12 Mtr deep.	1.000	Each	3,105.00	3,105.00
100	Supplying & Fixing R.C.C. Manholes covers with frame of approved make (Light duty). Size 600 X 450mm	1.000	Each	238.50	238.50
101	Supplying & Fixing R.C.C. Manholes covers with frame of approved make (Light duty). Size 450 X 450mm	6.000	Each	180.90	1,085.40
102	Supplying & Fixing R.C.C. Manholes covers with frame of approved make (Light duty). Size 300 X 300mm	5.000	Each	56.70	283.50
103	Providing & Laying C.C. 1:5:10 (Stone aggregate 40mm nominal size) upto haunches of S.W. pipes including 150 mm thick bed concrete (Width W= Dia of pipe in Cm+ 30Cm.) concrete width to be reduced from width W at center of pipe to '0' at top of pipe. (Excluding cost of pipe) 230mm dia S.W. pipe	25.000	mtr	283.50	7,087.50
104	Providing & fixing S.W. square mouth Gully trap 'A' grade (IS 651-1992 marked) of approved make & design in existing man-hole. Size 225 X 150mm	6.000	Each	144.00	864.00
105	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make 75 mm dia	150.000	mtr	99.00	14,850.00
106	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make 110 mm dia	250.000	mtr	198.00	49,500.00
107	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make Coupler 75mm dia	5.000	Each	40.50	202.50
108	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make Coupler 110mm dia	5.000	Each	61.20	306.00
109	Single Push Fit Coupler 75mm dia	5.000	Each	41.40	207.00
110	Single Push Fit Coupler 110mm dia	5.000	Each	72.00	360.00
111	Bend 87.5 Dg. 75mm dia	15.000	Each	53.10	796.50
112	Bend 87.5 Dg. 110mm dia	5.000	Each	88.20	441.00
113	Bend 45 Dg. 75mm dia	10.000	Each	45.00	450.00

114	Bend 45 Dg. 110mm dia	15.000	Each	75.60	1,134.00
115	Door Bend 87.5 Dg. 75mm dia	10.000	Each	70.20	702.00
116	Door Bend 87.5 Dg. 110mm dia	10.000	Each	109.80	1,098.00
117	Single 'Y' 75mm dia	5.000	Each	81.90	409.50
118	Single 'Y' 110mm dia	5.000	Each	157.50	787.50
119	Single 'Y' with Door 75mm dia	5.000	Each	106.20	531.00
120	Single 'Y' with Door 110mm dia	5.000	Each	197.10	985.50
121	Double 'Y' 75mm dia	5.000	Each	111.60	558.00
122	Double 'Y' 110mm dia	5.000	Each	200.70	1,003.50
123	Double 'Y' with Door 75mm dia	5.000	Each	169.20	846.00
124	Double 'Y' with Door 110mm dia	5.000	Each	259.20	1,296.00
125	Socket Plug 75mm dia	5.000	Each	35.10	175.50
126	Socket Plug 110mm dia	5.000	Each	43.20	216.00
127	Pipe Clip 75mm dia	25.000	Each	10.80	270.00
128	Pipe Clip 110mm dia	35.000	Each	17.10	598.50
129	Double tee with Door 75mm dia	5.000	Each	189.90	949.50
130	Double tee with Door 110mm dia	5.000	Each	324.90	1,624.50
131	W.C. Connector 110mm dia	8.000	Each	122.40	979.20
132	Single Tee 75mm dia	5.000	Each	67.50	337.50
133	Single Tee 110mm dia	15.000	Each	119.70	1,795.50
134	Single Tee with Door 75mm dia	5.000	Each	77.40	387.00
135	Single Tee with Door 110mm dia	8.000	Each	137.70	1,101.60
136	Double Tee (4 Ways) 75mm dia	5.000	Each	120.60	603.00
137	Double Tee (4 Ways) 110mm dia	5.000	Each	208.80	1,044.00
138	Multi floor trap 110mm dia	5.000	Each	136.80	684.00
139	Offset 110mm dia	10.000	Each	160.20	1,602.00
140	Gully Trap 110mm dia	5.000	Each	388.80	1,944.00
141	Nahni Trap with Jali 4", Nahni Trap without Jali 4"	15.000	Each	85.50	1,282.50
142	Nahni Trap without Jali 3"	4.000	Each	76.50	306.00
143	Vent Cowel 75 mm	5.000	Each	27.90	139.50
144	Vent Cowel 110mm dia	8.000	Each	33.30	266.40
145	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required. 20 mm Complete Rate Group 1	130.000	R.Mtr.	25.60	3,328.00
146	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required. 25 mm Complete Rate Group 1	210.000	R.Mtr.	33.60	7,056.00

147	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, Hot Dipped Galvanized Modular Box with earth terminal, 6 A Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required. Short point (up to 3 mtr.) Complete Rate Group 1	15.000	P. Point, P. point	208.00	3,120.00
148	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, Hot Dipped Galvanized Modular Box with earth terminal, 6 A Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required. Medium point (up to 6 mtr.) Complete Rate Group 1	25.000	P. Point, P. point	301.60	7,540.00
149	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, Hot Dipped Galvanized Modular Box with earth terminal, 6 A Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required. Long point (up to 10 mtr.) Complete Rate Group 1	15.000	P. Point, P. point	406.40	6,096.00
150	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, Hot Dipped Galvanized M.S Modular box of 20 SWG with earth terminal, 6 A modular switch, 6 A modular socket, Modular plate with grid plate, screws, making connections, testing etc. as required. On board Complete Rate Group 1	25.000	P. Point, P. point	195.20	4,880.00
151	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, Hot Dipped Galvanized M.S Modular box of 20 SWG with earth terminal, 6 A modular switch, 6 A modular socket, Modular plate with grid plate, screws, making connections, testing etc. as required. On board Short point (up to 3 mtr.) Complete Rate Group 1	10.000	P. Point, P. point	271.20	2,712.00
152	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, Hot Dipped Galvanized M.S Modular box of 20 SWG with earth terminal, 6 A modular switch, 6 A modular socket, Modular plate with grid plate, screws, making connections, testing etc. as required. On board Medium point (up to 6 mtr.) Complete Rate Group 1	15.000	P. Point, P. point	356.00	5,340.00
153	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required. 3x 1.5 sq.mm Complete Rate Group 1	750.000	mtr	32.00	24,000.00
154	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required. 1 x 2.5 sq mm Complete Rate Group 3	650.000	mtr	12.16	7,904.00
155	Supplying and drawing PVC jacketed with annealed bare copper inner conductor & tinned copper conductor shielding foam PE dielectric coaxial cable of approved make in existing surface or recessed conduit/casing capping including making connections as required. RG - 6 Complete Rate Group 1	50.000	mtr	18.40	920.00

156	Supplying and drawing PVC/ Polythene insulated and PVC sheathed unarmoured/ armoured telephone cable with 0.5 mm dia. Tinned / annealed copper conductor taped & conforming to ITD specification S/WS -113C of approved make in existing surface or recessed conduit/casing capping. Unarmoured Telephone cable in existing surface or recessed conduit/casing capping. 2 pair Complete Rate Group 1	200 000	mtr	10.40	2,080.00
157	Jelly filled armoured (PIJF) Armoured telephone cable including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 11nd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 10 pair Complete Rate Group 1	40 000	mtr	152.00	6,080.00
158	P & F Krone module with base frame in the recess / surface made out of 16 SWG sheet steel box, front openable, having locking arrangements duly powder painted, including dressing, ferruling and punching of telephone cable with krone tool etc. as required. 10 Pairs Complete Rate Group 1	5 000	mtr	544.80	2,724.00
159	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular on surface or in recessed with suitable size of grid plate with cover plate including cost of modular 16 amp. Switch and socket outlet, making connection, testing, etc. as required. Complete Rate Group 1	50.000	mtr	430.40	21,520.00
160	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required. Single pole MCB 6 A to 32 A rating Complete Rate Group 1	15.000	Each	120.80	1,812.00
161	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required. Four pole MCB 40 A to 63 A rating Complete Rate Group 1	5 000	Each	1,102.40	5,512.00
162	P&F Recessed/ Surface mounting heavy duty horizontal type prewired sheet steel Distribution board phosphatised / powder painted complete with suitable rating insulated copper bus bar, shorting link, neutral link, earth link and din bar, masking sheet, loose wire box, terminal block, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks conforming to IS:13032 & IS:8623 including making internal DB terminations with copper lugs, testing etc. as required. Single door (single phase) 6 Way Labour Rate	2.000	Each	40.00	80.00
163	P&F Recessed/ Surface mounting heavy duty horizontal type prewired sheet steel Distribution board phosphatised / powder painted complete with suitable rating insulated copper bus bar, shorting link, neutral link, earth link and din bar, masking sheet, loose wire box, terminal block, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks conforming to IS:13032 & IS:8623 including making internal DB terminations with copper lugs, testing etc. as required. Single door (single phase) 6 Way Complete Rate Group 1	3.000	Each	494.40	1,483.20
164	P&F Recessed/ Surface mounting heavy duty horizontal type prewired sheet steel Distribution board phosphatised / powder painted complete with suitable rating insulated copper bus bar, shorting link, neutral link, earth link and din bar, masking sheet, loose wire box, terminal block, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks conforming to IS:13032 & IS:8623 including making internal DB terminations with copper lugs, testing etc. as required. Single door (single phase) 8 Way Complete Rate Group 1	5 000	Each	576.80	2,884.00
165	P & F following size hot dip galvanized M.S. box of 20 SWG with earthing terminal in recess/ surface 1-2 Module Complete Rate Group 1	15 000	Each	32.00	480.00
166	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 6 A two way switch Complete Rate Group 1	10.000	Each	21.60	216.00
167	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 6 A bell push Complete Rate Group 1	2.000	Each	20.00	40.00
168	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 16 A one way switch Complete Rate Group 1	15.000	Each	50.40	756.00

169	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 6 A 3 pin socket Complete Rate Group 1	10.000	Each	22.40	224.00
170	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 16 A 6 pin socket Complete Rate Group 1	5.000	Each	52.00	260.00
171	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 2/3 pin Telephone socket with top Complete Rate Group 1	1.000	Each	32.00	32.00
172	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours RJ-11 telephone jack single two line Complete Rate Group 1	1.000	Each	40.80	40.80
173	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours RJ-11 telephone jack double two line Complete Rate Group 1	2.000	Each	47.20	94.40
174	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours 5 step fan regulator Complete Rate Group 1	9.000	Each	183.20	1,648.80
175	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 11nd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 25.0 Sq.mm 3.5 core Complete Rate Armoured	2,000.000	mtr	166.40	3,32,800.00
176	Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound (CPRI Tested) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound (MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes: With Pipe in Pipe Technology (Inner pipe dia. / Outer pipe dia.) 80 - 100 micron GI Coating GI pipe 2000 mm long, 50 / 25mm, Terminal 12 mm GI Strip Complete Rate group-I	2.000	Per Set	4,920.00	9,840.00
177	S & Laying following size earth wire/strip in horizontal or vertical run in ground/ surface/ recess including riveting, soldering, saddles, making connection etc. as required. 25mm x 3mm copper strip 25mm x 6mm G.I. (Hot Dipped) Strip Complete Rate group-I	75.000	mtr	88.00	6,600.00
178	P & F double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. 900 mm sweep 1050 mm sweep Complete Rate Group-I	10.000	Each	1,111.20	11,112.00
179	P & F 18 swg M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side . Complete Rate Group-I	10.000	Each	76.00	760.00
180	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as required. 225 mm sweep Complete Rate Group-I	5.000	Each	1,291.20	6,456.00
181	P & F strip type fluorescent tube fitting fabricated from (CRCA sheet and finished with powder coating / stove enamelled paint) / (extruded non corrosive UV resist EP channel) complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube). 1 X 36 Watts with OCCB Complete Rate Group 1	15.000	Each	315.20	4,728.00

182	Supply and fixing of pillar box made of 2 mm thick powder coated CRCA sheet of 415 volts 3 phase 4 wire triple pole and neutral type, complete in all respect as required. Including knife switch of 400 amp. rating, HRC fuses with copper one piece U contacts base, brass studs and nuts, copper busbar for main and interconnection, MS angle frame of 50 x 50 x 6 mm grouted with C.C. of M-10 grade to achieve the height of 1.5 feet above the road level suitable for four outgoing. Complete Rate Group 1	2.000	Each	34,000.00	68,000.00
183	Supply, Drawing and Testing of 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in existing MS/PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required Complete Rate Group 1	50.000	mtr	28.80	1,440.00
184	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tiles, 18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required. Short point (up to 3 mtr.) Complete Rate Group 1	30.000	P. Point, P. point	172.00	5,160.00
185	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tiles, 18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required. Medium point (up to 6 mtr.) Complete Rate Group 1	15.000	P. Point, P. point	270.40	4,056.00
186	P & F 3/6 pin 16 amp flush type socket including cutting hole in tile and making connection testing etc. as required. Complete Rate Group 1	5.000	Each	41.60	208.00
187	P & F ISI marked 6 amp bakelite unbreakable 3 pin plug top including connection testing etc. as req Complete Rate Group 1	5.000	Each	24.00	120.00
188	P & F ISI marked 16 amp bakelite unbreakable 3 pin plug top including making connection testing etc. Complete Rate Group 1	5.000	Each	36.00	180.00
189	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with s 25 Amp. 2 Module Socket Complete Rate Group 1	20.000	Each	155.20	3,104.00
190	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with s 25 Amp. 2 Module Motor Starter with on / off Push button Complete Rate Group 1	5.000	Each	192.00	960.00
191	P & F box type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating / stove enamelled paint complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube). 1 X 28 Watts with EB Complete Rate Group 1	5.000	Each	728.80	3,644.00
192	P & F Mirror optics type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating, high efficiency aluminium mirror reflector standard cross louvers complete with accessories like (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube). Surface mounting 1 X 36 Watts with OCCB Complete Rate Group 1	2.000	Each	1,674.40	3,348.80

193	P & F of IP20 LED Recessed / Surface Mounted, Round / Square Non-Dimmable Downlight with die-cast aluminum housing & Heat Sink for heat dissipation, high purity reflector with external driver having efficiency > 85% and in compliance to IEC standards. Power Consumption of = 7W/ 10W / 15W / 18W with ~ 500 / 750 / 1100 / 1250 lumens, System Lumen efficacy of 70 lm / watt output suitable to replace 1x18W / 2x18W / 2x 26W CFL Downlights, life time of 50000 Burning Hours with 70% of initial Lumen maintained. CCT 3000°K , 4000°K & 6000°K. Fixture shall be CE compliance. Recessed Mounting LED Downlight 18/20W Complete Rate Group 1	5.000	Each	3,200.00	16,000.00
194	P/F G.I. barbed wire 12mm gauge as per prescribed specification on inclined angle iron post fitted with G.I. staple with all lead and lift at site as per drawing and direction by engineer in-charge.	266.000	mtr	22.00	5,852.00
195	Making of design on the top surface of wall with cement mortar (1:2) having thickness of 30 to 40 mm. included colour pigment in mortar and fixing of 40mm. Size aggregate on the laid mortar with avg distance of aggregate to each other around 100mm to 125mm . as per direction of engineer in-charge.	50.000	sqm	323.00	16,150.00
196	S/F G.I. chain link fabric fencing as per relevant IS specification (superior quality) of required width in mesh size 50x50x4mm including strengthening with nuts, bolts and washers as required complete as per drawing and direction of engineer in-charge.	465.500	sqm	584.00	2,71,852.00
197	S/F Pulley system for door opening including door of enclosure as per requirement of work including gear pulley box (with locking arrangement and operating handle) to mount the rope (heavy duty ISI, 150 mm. dia) operating with handle for cage-door and locking as desired including required nos of pulleys for rope change direction to be fixed at suitable location complete. All items high quality standard manufactures ISI marked & pulleys with bearing. As per direction of engineer in charges.	32.000	Each	40,000.00	12,80,000.00
198	Providing and fixing of Bidisar/chittor/Jalore /Ajmer/Nathdwara/Jaislmer/alwar NATURAL ROCK stone in gates including loading unloading and transportation complete with placing in position carefully with crane. Stone should be in shape as per given in Photo. The weight of stone should be approximately 8 to 12 MT. Includes engraving letters and filling colour as matter given, all work as per direction of Engineer In charge.	50.000	mtr	13,805.00	6,90,250.00
199	Providing and fixing of Khatu Teak Stone letters named "TIGER SAFARI" of size 10"x15"x2" on beam (height up to 6.00m) at Main gate of Lion Safari including drilling and fixing with fasteners, scaffolding, finishing etc. Complete in all respect as per direction of Engineer in charge/consultant.	1.000	Each	10,900.00	10,900.00
200	Making architectural design by cement sand mortar 1:4 on column and top beam of main gate at Lion Safari on height up to 6.00 m, including 20mm to 90mm curved projection in CM 1:4 is to be done in layers so that it retains required design and making stand to rest Lion's face statue in M20 (1:1.5:3) cement concrete with required reinforcement including drilling, cutting and fixing of reinforcement with bonding agent, including cost of shuttering, scaffolding, grooving and finishing etc. Complete in all respect as per design 7 draw direction of engineer incharge/consultant	1.000	Each	82,000.00	82,000.00
201	Supply and fixing of signage board having Digital Print with multi colour and gloss lamination on 3 mm Aluminum sheet as per design and drawing approved by engineer incharge with installation and transportation complete in all respect as per direction of Engineer in charge.	24.000	Sqm	8,572.00	2,05,728.00
202	Excavation for Structures Earthwork in excavation for foundation of structures upto 3 m depth as per drawing and MoRD specification Clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Ordinary Soil Upto 3 m depth	2,349.000	cum	111.60	2,62,148.40
203	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M20 grade Nominal Mix 1: 1.5: 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).	36.000	cum	3,246.30	1,16,866.80
204	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. M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	188.100	cum	2,326.50	4,37,614.65
205	Granular sub-base/surface course with local materials (Table 400 13) by mix in place method normal Construction of granular sub-base by providing local material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at once and compacting with smooth wheel roller to achieve the desired density complete as per Clause 401.4 as per MoRD Specification Clause 408. Using naturally occurring gravel	121.500	cum	360.00	43,740.00

206	Backfilling behind abutment, wing wall and return wall complete as per drawings & MoRD specification Granular material	198 000	cum	309.60	61,300.80
207	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 750 mm dia	110 000	R.Mtr.	2,520.00	2,77,200.00
208	Cement Concrete Pavement Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound and water finishing to lines and grade as per drawing and MoRD Specification Clause 1501 including vacuum dewatering process with all required equipments	330 000	cum	5,188.50	17,12,205.00
209	Pointing on stone masonry in cement sand mortar 1:3 (1 cement : 3 sand) : Raised and cut pointing.	432.000	sqm	132.30	57,153.60
210	Earth work in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods watering, rolling each layer with 1/2 tonne roller, or stone or steel rammers and rolling every 3rd and top-most layer with power roller of minimum 8-10 tonne capacity and dressing up in embankment for roads, flood banks marginal banks and guide banks or filling up ground depressions, lead up to 50 Mtr. and lift up to 1.5 Mtr.: All kinds of soil	300.000	cum	170.10	51,030.00
211	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Dry Masonry.	121.900	cum	1,087.20	1,32,529.68
212	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. M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	148.464	cum	2,882.70	4,27,977.17
213	Excavation in Hard Rock (blasting prohibited) Excavation for roadway in hard rock (blasting prohibited) with rock breakers including breaking rock, loading in tipper and disposal with a lift upto 1.5 m and lead upto 1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections as per MoRD Specification Clause 302.3.5 Mechanical Means	15337.500	cum	184.50	28,29,768.75
214	Providing, Laying & Jointing in standard lengths HDPE PE-80 PN-6 pipes conforming to IS-4984:1995 (UP TO DATE) with necessary jointing material like mechanical connection i.e. thread/insert/quick release coupler joint/compression fitting joint of flanged joint and specials jointing pipe by butt fusion welding method, including all taxes (central and local), transportation and freight charges inspection charges loading/unloading charges, stacking the same in closed shade duly protecting from sunray and rain including cost of labour and material, specials (Tees, bend etc.) and also including the excavation of trench up to 1.5 Meter depth in all type of soil cutting of road surface pavement where required lift up to 1.5- Mt. stacking the soil clear from the edge of excavation and refilling of soil after laying and jointing of pipe line with proper compaction and disposing of all surplus soil as directed with in lead of 50 Meter with satisfactory, hydraulic testing etc. complete as per technical specifications and direction of Engineer-in-charge. (supply up to 90 mm dia. Coil & above 90 mm dia straight length in 6.0 M) 90 MM Dia	2,500.000	R.Mtr	318.00	7,95,000.00

215	P&F Recessed/ Surface mounting heavy duty horizontal type prewired sheet steel Distribution board phosphatised / powder painted complete with suitable rating insulated copper bus bar, shorting link, neutral link, earth link and din bar, masking sheet, loose wire box, terminal block, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks conforming to IS:13032 & IS:8623 including making internal DB terminations with copper lugs, testing etc. as required. Single door (Three phase) 6 Way Complete Rate Group 1	1.000	Each	1,792.00	1,792.00
216	SITC of radial / mixed flow submersible motor pump sets ISI marked (IS:8034-1989) of approved make with required accessories including making connection suitable for T.W./ D.C.B./ Open well. The job includes lowering of riser pipe, G.I./ H.D.P.E. pipe with rope, cables, installation of complete fitting and accessories, jointing of electrical cables up to switch board. All labour for testing of submersible pumps set and supply of water to water mains, complete in all respect. 150 mm diameter Submersible pump shall have following HP Rating, phase, Head, minimum Discharge respectively. 10.0 HP, 3-Ø, (64-104)Mtr, (400-167)LPM Complete Rate Group-I	2.000	Each	26,904.00	53,808.00
217	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 11nd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 16.0 Sq mm 4 core Complete Rate Armoured	3,000 000	mtr	142.40	4,27,200.00
218	SITC of Cutting back up surface up to 2 Mtr. Depth by digging by Bogi including all layers of crust for laying pipe line etc. and making good to original condition (excluding cost of bitumen)	400 000	mtr	288.00	1,15,200.00
219	Providing and fixing PVC Ball Valve (Flanged) having flow indicator when lever is removed, security pivot to maintain lever in space, double water tight joint, direct injection stem. maximum penetration into the valve. PVC Ball Valve 90 mm	20 000	Each	4,385.00	87,700.00
220	Providing and fixing of pressure relief valve size 2" alongwith bypass arrangement & necessary fitting. The body shall be brass construction and the operating range should be as follows. Maximum upstream pressure-20Kg/cm.sq. Maximum relief setting -0.5 Kg/cm.sq."	15.000	Each	7,521.00	1,12,815.00
221	Providing and fixing of a double acting Air release valve 2" made high strength aluminium/plastic with fiber glass reinforced. The Air release valve shall be capable of both releasing and admitting air from and into the line. The working pressure shall be 10 bars and testing pressure shall be 16 Bars.	15.000	Each	2,554.00	38,310.00
222	Supply and fixing & testing of feeder type panel board suitable for upto 15 HP electric motor having star delta/ DOL starter (L&T /BCH), MCB 32 amp.(havals /L&T), capacitor 3 KVR (L&T/Havals), Single phase priventor(LST/havals), indicating lamp RYB, Amp. Meter (0 to 30Amp), Volt Meter with selector switch (0 to 500 V) size 100 mm, kit kat fuse unit 100 amp, backlite sheet for fixing of 3 phase electric meter of JVVNL electric feeder panel approved as per design and specification mounted on angle iron fram and fixed plain on plain cement concrete platform, size of feeder panel box 900X 450X1200mm (D-547 dt. 20.12.2011) 4 2-17 4.1 2-17-2 Star Delta above 5 HP to 15 HP 2.000 24,915.00 Each 49,830.00	2.000	Each	24,915.00	49,830.00
223	Clearing and Grubbing Road Land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per MoRD Specification Clause 201. By Mechanical Means B) In area of thorny jungle	2.250	Hectare	10,854.00	24,421.50
224	Water Bound Macadam Sub-base/base WBM Grading 1 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per MoRD Specification Clause 404. using Hand broken aggregate By Mechanical Means	1,687.500	cum	666.00	11,23,875.00

225	Granular sub-base/base/surface course with local materials (Table 400.13) by mix in place method normal Construction of granular sub-base by providing local material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at once and compacting with smooth wheel roller to achieve the desired density complete as per Clause 401.4 as per MoRD Specification Clause 408. Using naturally occurring gravel	2,531.250	cum	360.00	9,11,250.00
226	Excavation in Ordinary Rock using Hydraulic Excavator and Tippers with disposal upto 1000 m Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, transporting to embankment site with a lift upto 1.5 m and lead upto 1000 m, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections as per MoRD Specification Clause 302.3.5	1,500.000	cum	37.80	56,700.00
227	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish : 20mm thick.	22.500	sqm	92.70	2,085.75
228	GALVANISED IRON SHEET ROOFING Stone slab roofing on ground floor with fine grained stone slab from approved quarry including filling of joints of parapet and slab on both sides in cement sand mortar 1:4, with ceiling pointing in cement sand mortar 1 : 3 complete as per specification and instruction of Engineer In Charge	22.500	sqm	1,079.10	24,279.75
Total Amount Rs.					2,05,73,627.90

checked and found correct
06/07/20

Executive Engineer (Garden-II)
JDA, Jaipur

1. I/We do hereby agree to do above work @ _____ % above/below (In Figures) Schedule "G" Amount.

2. I/We do hereby agree to do above work @ _____ above/below

Signature of Contractor with full Address and Mobile No.