

 eTendering System Government of NCT of Delhi Published Corrigendum Details					
Date : 14-Mar-2019 11:35 AM					
					
Organisation Chain :		Irrigation and Flood Control ZONE-I Flood Circle-I Civil Division-III			
Tender ID :		2019_IFC_169744_1			
Tender Ref No :		EE/CD-X/RFP/2018-19/Drains			
Tender Title :		Project Management Consultancy (PMC) for the work to rejuvenate drain in holistic manners by using ecologically sensitive sustainable technique.			
Corrigendum Type :		Other			
Corrigendum Document Details					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
1	Due to technical / administrative reason the previously uploaded RFP may be discarded and newly uploaded RFP may be considered for submitting the proposal.	Due to technical / administrative reason the previously uploaded RFP may be discarded and newly uploaded RFP may be considered for submitting the proposal.	14-Mar-2019 11:35 AM	RFP..pdf	128.96

Request for Proposal (RFP) is invited from Consultant/ Joint Venture/ Multi-disciplinary Consortia, Government Organization , Public Sector undertaking, Government Educational Institute and I&FC Empanelled agencies, for Project Management Consultancy (PMC) for the work to rejuvenate drain in holistic manners by using ecologically sensitive sustainable technique like creation of stationary and floating wetlands and in-situ aeration & installation of ozonizer in drains which can reduce BOD load, improve dissolved oxygen levels, reduce bad odour and harmful gas emission from the drains. Further to develop the vacant land by landscaping, developing it for recreation activities such as cycling track, jogging track, Illumination of dark spots of drain by installation of street lighting automated with solar energy/wind energy wherever feasible and Installation of solar panels for generation of solar energy, in respect of drains falls under the jurisdiction of, I&FC Department, for Rejuvenation purpose.

Introduction:-

The quality of waste water of the drains falling under the Jurisdiction of Civil Division X, I&FC Department here-in-after called as Department, is alarming due to industrial effluent, waste water and septage from the adjoining un-sewered villages and industrial waste flowing into the drains. BOD of the waste water has been found to vary high at different locations. The fumes of waste water in drains are also contributing to the air pollution and pollute the sub soil of the area along which it flows.

BACK GROUND:-

There are 57 major and minor storm water drains under the jurisdiction of Irrigation and Flood Control Department in Delhi. Out of the 57 drains following drains fall under the jurisdiction of Civil Division X, I&FC Department for Rejuvenation purpose.

S. No.	Name of Drain	Length in Metre	Catchment area (In Hect.)	Designed Discharge (In Cusecs)	Average Lean Flow(In Cusecs)	(Avg.) Width of Drain in meter		Land Width
						Bottom	Top	
1.	Najafgarh Drain	57,400.00	10,93,900.00	10,000.00	401.95	Varies from 21.94m to 85.00m	Varies from 34.00m to 98.00m	Varies from 77.00m to 250.00m
2.	Supplementary Drain	34,500.00	1,26,000.00	5,000	460.00 to 507.00	Varies from 34.00m to 36.00m	Varies from 50.00m to 73.00m	Varies from 53.00m to 150.00m
3.	Shahdara Outfall Drain	5,900.00	8,744.00	5,562.00	250.00	45.72m	58.76m	135.00m
4.	Ghazipur Drain	6,241.00	6,741.90	5,143.00	2057.00	Varies from 39.63m to 45.11m	Varies from 47.73m to 54.44m	Varies from 85.00m to 104.00m
5.	Trunk Drain No-I	13,620.00	6,660.00	3,037.00	1215.00	Varies from 12.00m to 32.00m	Varies from 20.00m to 38.00m	Varies from 22.86m to 55.00m
6.	Trunk Drain No-II	4,550.00	2,740.00	1,406.00	140.00	Varies from 5.70m to 15.00m	Varies from 15.24m to 22.80m	Varies from 15.24m to 54.86m

Brief about Drains.

- 1. Najafgarh Drain :** The Najafgarh drain is infact continuation of Sahibi River and elongation of NajafgarhJheel which originates from Jaipur district of Rajashan and flowing through Rewari&Gurugram district of Haryana, enters in Delhi at Dhansa, outfalls in Yamuna at Wazirabad, Delhi. In Delhi territory, it has been widened to protect flooding and it traverses distance of about 57.4 km running through district South–West, West and Central before outfalling in river Yamuna. The drain has dry weather flow round the year however during monsoon season the discharge is much more.The NG drain carries discharge from three main tributaries drains of Haryana i.e. Badsahpur Drain, Dharampura drain &PalamVihar drain which carries both strom water and sewerage discharge. In Delhi territory also the various storm water/Sewerage from various localities/villages/unauthorized colonies water also out falling in the drain. The drain passes through the various villages as such Dhansa, Rawata, Sikarpur, Jhatikra, Chhawla, Goela, Kakrola, Baprola, Ranholla, Nawada, Vikaspuri, Madipur, Rajouri Garden, Jhuljhuli, Sarangpur, Rawta, Ghummanhera, Jhatikra, Chhwla, Dwarka, Kakrola, Keshopur, Raghubir Nagar, Basaidarapur, Sudarshan Park, Karampura, Punjabi Bagh, Manohar Park, Wazirpur, Bharat Nagar, Ashok Vihar, Shakti Nagar, Rajpura, Delhi University Campus, Mall Road and Timarpur. The drain carries discharge from three drains of Haryana i.e. Badsahpur Drain, Dharampuradrain ,PalamVihar and surplus discharge of Masani Barrage and entire waste water/septage of adjoining area drain which carries both sewerage & storm water.
- 2. Supplementary Drain:** TheSupplementary Drain is an Artificial drain constructed in late 80's. It originates from Kakrola and falls into River Yamuna in downstream of Wazirabad. The main purpose of this drain was to divert excessive flood water of Najafgarh Drain into it and also to caterthe discharge of developing PappanKalan project (i.e. Dwarka Project) and Rohini Project of DDA. This drain is having a designed discharge capacity of 5000 cusecs and its length is approximately 35 Kms having bed width of 35m (apporx) and FSD of 3.66m. It passes through the Revenue Estate of villages Kakrola, Nilothi, NangloiJat, SultanpurMajra, PoothKalan, Rithala, Badli, Burari, Mukandpur, Wazirabad and its adjoining colonies. It is receiving entire waste water/septage of of the above area.
- 3. Shahdra Outfall Drain:** It is storm water drain having length of 5.900Km carrying capacities 8744.00 cusecs. It originates from Chilla regulator and outfall 600m D/s of Okhala Barrage. This drain passes through East end Apartment, Nagarjuna Apartment, Noida Sector 14, 14A &18, Near DLF Mall, Near GIP Mall, Naya Bass, passes through connecting road of Botanical Garden and KalandiKunj. It is receiving entire waste water/septage of of the above area.
- 4. Ghazipur Drain:** It is storm water drain having length of 6.24Km carrying capacities 6741.90 cusecs. It originates from front of Tata Telco and terminates at Chilla Regulator. This drain passes through CBSE Building, under the road of NH 24, Khiripur, Kondli, Mandawali, Trilokpuri, Dharma Shila and New Ashok Nagar. It is receiving entire waste water/septage of of the above area.
- 5. Trunk Drain No.I:** It is storm water drain having length of 13.62 Km carrying capacities 6660.00 cusecs. It originates from Shiv Vihar UP border and terminate at Tata Telco. This drain Passes through Johripur, Shiv vihar, BhagaritiVihar, Ganga Vihar, Yamuna Vihar, Maujpur,

Seelampur, Bihari colony, Vishwas Nagar, Krishna Vihar, Jagatpuri, Karkari Mod, MadhuVihar and Hasanpur Depot. It is receiving entire waste water/septage of of the above area.

- 6. Trunk Drain No.II:** It is storm water drain having length of 4.55Km carrying capacities 2740.00 cusecs. It originates from D/s of DilshadGarden and terminates at Tata Telco. This Drain passes through Jhilmil ,VivekVihar, ShereshtaVihar, YojanaVihar, NirmanViharandAnandVihar . It is receiving entire waste water/septage of of the above area.

Department has decided to rejuvenate all above drains **in holistic manners by using ecologically sensitive sustainable technique like creation of stationary and floating wetlands and in-situ aeration & installation of ozonizer in drains which can reduce BOD load, improve dissolved oxygen levels, reduce bad odour and harmful gas emission from the drains. Further to develop the vacant land by landscaping, developing it for recreation activities such as cycling track, jogging track, Illumination of dark spots of drain by installation of street lighting automated with solar energy/wind energy wherever feasible and Installation of solar panels for generation of solar energy wherever feasible in respect of drains** and therefore is calling this Request For Proposal (RFP) from the agencies having expertise in this field, for Project Management Consultancy (PMC).

Broad Scope of Work:-

1. Mapping of all components and appurtenances of Drain land but not limited to indicate inlet drain, bridge/culverts, ditches, swales, concrete curb, gutter, concrete pan and other existing structures and features by drone/latest technology. All positional data must be collected using mapping grade with best available GPS equipment.
2. The estimation of pollution discharged from different drains discharging into Drain directly, includes biological/organic, inorganic, chemical/industrial pollution.
3. Identify deficiencies in the existing position of drain and maintenance mechanism then recommend and prioritize project improvements to correct deficiencies.
4. Mandates for assessing the pollution sources and taking preventive and corrective measures, which includes creation of sewerage infrastructure in order to have a long term sustainable management of sewage pollution
5. Soil Bearing Capacity.
6. Silt Load Assessment & Management Plan.
7. To suggest Ecologically Sensitive sustainable technologies to reduce the pollution load of drain through in-situ and ex-situ treatment technologies as such feasibility of wetland system, installation of aerator, ozonation wherever required.
8. Designing of wetland system required based on the water quality of the drain.
9. Suggest ways to segregate dirty water and storm water incoming into the drain and ways for treatment of dirty water.
10. Evaluating quantum of siltation in the drain, projection of existing capacity of the drain and thereafter suggesting feasible modern techniques/methods to carry desiltation, cleaning of drain from floating materials, hyacinth/floating weeds etc
11. Evaluate future flow projections and the impact of future development on flow projections. Make recommendations for extending, expanding, or modifying the drain.

12. Providing Landscaping for the dry area around the Drain including forestation, creation of park, walking track, recreation facilities, etc depending upon the availability of dry area.
13. Illumination of dark spots of drain by installation of street lighting automated with solar energy/wind energy wherever feasible.
14. Installation of solar panels for generation of solar energy where ever feasible.
15. Proper integrated mechanism for removal of silt wherever required including use of Geo bags / Geo tubes whichever is feasible i.e. Geo fabrics for trapping floating waste/slit/sewerage.
16. Exploring modern and sustainable techniques to dispose-off/consume the desilted materials,
17. Assessment of underneath soil Hydrogeology, including sub-soil water level, storage capacity, sub-soil type, present percolation rate, traverse movement rate of ground water, Fresh water - Saline water interface, nature of aquifers available underground etc.
18. To suggest and explore idea of available water/run-off of drain to recharge sub-soil water by modern techniques/methods including deepening of drain as per sites specific feasibility without contaminating existing ground water.
19. Feasibility study quantum and depth of water could be stored in subsoil/aquifer in additional to existing without submergence of nearby residential area or agriculture fields.
20. Survey of existing government vacant land adjacent to the drain as such of Forest, Gram Sabha, waterbody, irrigation minors including assessment of ownership and likely hindrances of etc to be used as treatment/recharging point for improving quality/ground water table.
21. Suggestion for land protection of drain and plan to curb unauthorized dumping of C&D wastes and malba on the drain land boundary as also identify encroachment.
22. Submission of Inception report & feasibility report followed by outlining the priority of work in phases to be taken up with approval of the Department.
23. Submission of DPR with detail estimates based on DSR 2016 for scheduled items and on market rates for non-scheduled items along with rate analysis.
24. Supplying working Drawing, Structural Design along with BOQ which shall also include cost of maintenance for five years from the date of commissioning project.
25. Assisting I&FC department in tendering process including preparation of NIT, selection of pre-qualification criteria for contractors, opening of tenders, checking requisite pre-qualification criteria etc.
26. Assist and supervise the execution of work and ensure the work is being carried out as per detailed drawing & design so the objective of scheme may be achieved including checking of quality and quantity of the work executed.
27. Monitoring the pace of work, submission of fortnightly inspection reports and final completion certificate and successful commissioning of the project.

28. During the execution of work the consultant shall bear all costs for collection of samples of construction material, transportation, testing from approved laboratory and submission of test reports for 3rd party quality control.
29. I&FC deptt. at its discretion may appoint DPCC and/or CPCB/Private agency to check the quality of treated water. In case the quality of treated water is not found as per norms it shall be the responsibility of the consultant to suggest rectification measures in the technique without any extra charge.
30. Consultancy during 05 years maintenance period after completion of work for operation and maintenance of the structure/systems.
31. Awareness campaign among different stakeholders as part of the rejuvenation plan.

2. INSTRUCTION FOR BIDDERS

A. GENERAL

2.1. General terms of Bidding

2.1.1 Request for Proposal (RFP) is invited from Consultant/ Joint Venture/ Multi-disciplinary Consortia, Government Organization , Public Sector undertaking, Government Educational Institute and I&FC Empanelled agencies. No Bidder shall submit more than one Bid for the Project. A Bidder bidding individually or as a member of a Consortium/JV shall not be entitled to submit another bid either individually or as a member of any Consortium/JV, as the case may be.

2.1.2 (a) The Bid should be furnished in the format at Appendix-I [Technical Bid] and Appendix-II [Financial Bid]. *Note:- Bid not submitted in prescribed format i.e. Appendix I and Appendix-II will liable to be rejected without going through merits.

(b) The Financial bid submitted in the Appendix-II should clearly indicate the Bid amount quoted in both figures and words against each of the drain separately and signed by the Bidder's authorized signatory. In the event of any difference between figures and words, the amount indicated in words shall be taken into account.

2.1.3 The Bidder shall deposit a Bid Security (EMD) of Rs. 5,00,000/- (Rupees Five Lakh Only) in the shape of Demand Draft drawn in favour of Executive Engineer Civil Division X, I&FC and payable at Delhi to participate in RFP. Government Organization, Semi-Government Organization, PSU, Government Educational Institutes are exempted from deposition of Bid Security amount of Rs. 5,00,000/-

2.1.4 In case the Bidder is a Consortium/JV, the members thereof should furnish a Power of Attorney in favour of the Lead Member.

2.2 Site visit and verification of information

2.2.1 Bidders are encouraged to submit their respective Bids after visiting the Project site and ascertaining for themselves the site condition, traffic, location, surrounding, climate, availability of power, water and other utilities.

2.2.2 It shall be deemed that by submitting a Bid, the Bidder has:

- (a) Made a complete and careful examination of the Bidding Documents;
- (b) Received all relevant information requested from the Department;
- (c) Accepted the risk of inadequacy, error or mistake in the information Provided in the Bidding Documents or furnished by or on behalf of the Department relating to any of the matters.

- (d) Satisfied itself about all the matters, things and information for submission of bid and performance of all of its obligations there-under;

2.2.3 The Department shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to RFP, the Bidding Documents or the Bidding Process, including any error or mistake therein or in any information or data given by the Department.

2.3 **Verification and Disqualification**

2.3.1 The Department reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFP or the Bidding Documents and the Bidder shall, when so required by the Agency, make available all such information, evidence and documents as may be necessary for such verification.

2.3.2 The Department reserves the right to reject any Bid and appropriate the Bid Security if:

- (a) At any time, a material misrepresentation is made or uncovered, or
- (b) The Bidder does not provide, within the time specified by the Department the supplemental information sought by the Department for evaluation of the Bid.

Such misrepresentation/ improper response shall lead to the disqualification of the Bidder. If the Bidder is a Consortium, then the entire Consortium and each Member may be disqualified / rejected.

2.4 **Clarifications**

2.4.1 Bidders requiring any clarification on the RFP may contact either through e-mail, ifccdx@gmail.com or personally in the Office of Executive Engineer-CD X, I&FC Department, Govt. of NCT of Delhi, LM Bund Office Complex, Delhi-110092 at least 7 days before the closing date of submission of bid.

2.5 **Amendment of RFP**

2.5.1 At any time prior to the Bid Due Date, the department may, for any reason, whether at its own initiative or in response to clarification requested by a Bidder, modify the RFP by the issuance of Addendum/Corrigendum.

2.5.2 Any Addendum/Corrigendum issued hereunder will be uploaded on the website//tender portal.

In order to afford the Bidder a reasonable time for taking an Addendum into account, or for any other reason, the Department may, in its sole discretion to extend the Bid Due Date.

2.6 **Fraud and Corruption**

2.6.1 The bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bidding Process and subsequent to the issue of the LOA and during the subsistence of the Service Agreement. Notwithstanding anything to the contrary contained herein, or in the LOA or the Service Agreement, the I& FC Deptt. shall reject a Bid, withdraw the LOA, or terminate the Service Agreement, as the case may be, without being liable in any manner whatsoever to the bidders or to the Successful Bidder or Technical Consultant, as the case may be, if it determines that the Successful Bidder or Technical Consultant, as the case may be, has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bidding Process. In such an

event, the I& FC Deptt. shall forfeit and appropriate the Proposal Security, Successful Bidder or Technical Consultant, as the case may be, shall pay, as mutually agreed genuine estimated compensation and damages to the I & FC Deptt. towards, inter alia, time, cost and effort of the I & FC Deptt., without prejudice to any other right or remedy that may be available to the I & FC Deptt. hereunder or otherwise.

2.6.2 Without prejudice to the rights of the I& FC Deptt. under Clause 2.8.1 hereinabove and the rights and remedies which the I & FC Deptt. may have under the LOA or the Service Agreement, if a Bidder, the Selected Bidder or Technical Consultant, as the case may be, is found by the I & FC Deptt. to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bidding Process, or after the issue of the LOA or the execution of the Service Agreement, such Bidder or Successful Bidder or Technical Consultant shall not be eligible to participate in any tender or RFP issued by the I & FC Deptt. for a period of 2 (two) years from the date such Bidder or Successful Bidder or Technical Consultant, as the case may be, is found by the I & FC Deptt. to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

2.6.3 For the purposes of this, the following terms shall have the meaning hereinafter respectively assigned to them

a) “Corrupt practice” means

(i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bidding Process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the I & FC Deptt. who is or has been associated in any manner, directly or indirectly with the Bidding Process or the LOA or has dealt with matters concerning the Service Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the I & FC Deptt., shall be deemed to constitute influencing the actions of a person connected with the Bidding Process); or

(ii) engaging in any manner whatsoever, whether during the Bidding Process or after the issue of the LOA or after the execution of the Service Agreement, as the case may be, any person in respect of any matter relating to the Project or the LOA or the Service Agreement, who at any time has been or is a legal, financial or technical adviser of the I & FC Deptt. in relation to any matter concerning the Project;

b) “Fraudulent practice” means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bidding Process;

c) “Coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person’s participation or action in the Bidding Process;

d) “Undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by the I& FC Deptt. with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process; or (ii) having a Conflict of Interest; and

e) “Restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting Or, manipulating a full and fair competition in the Bidding Process.

3.0 The evaluation of RFP

Bidder has to submit bid document in two envelope marked as “Technical” and “Financial” and putting these two envelope in one sealed cover envelope clearly marking as “Bid documents for RFP-Drains” and submit the same in the office of Executive Engineer CD-X, I&FC Department, LM BundOffice Complex, Shastri Nagar, Delhi-110092 on or before 15.03.2019 upto 3.00PM.

The evaluation of RFP has two stages (i) Technical and (ii) Financial. The agency has to qualify both the stages for award of work. Financial bid shall be opened only for those bidders who so ever are qualified technically. L-1 bidder shall be awarded with the work of the respective drain for which it has come out to be L-1. **Empanelled Consultant/agencies for PMC of I&FC Department need to submit only Financial bid and they are exempted from submitting the Technical Bid. However, Empanelled Consultant/agencies need to submit Bid Security (EMD) amounting to Rs. 5,00,000/-(Rupees Five Lakh) along with Financial bid.**

3.1 A Bidder requires/ submit following to qualify in technical bid.

1. Self attested copy of Firm registration, registered in India as per law.
2. Rs. 5,00,000/- (Rupees Five Lakh Only) in the form of DD drawn in favour of Executive Engineer CD-X, I&FC, GNCTD payable at Delhi as EMD. Not applicable to Govt. Organizations, institutes, undertaking.
3. Solvency certificate amounting to Rs. 40 lakh issued by a Bank for current Financial year (Not applicable to Govt. Organizations, Semi Government Organization, PSU, Government Educational Institutes and Empanelled Consultant/agencies).
4. The applicant must be a profit making organization with an average annual turnover of at least Rs. 1 Crore in last three years (Not applicable to Govt. Organizations, Semi Government Organization, PSU, Government Educational Institutes and Empanelled Consultant/agencies). In case of a Joint Venture or Consortia, the lead member alone will have to meet this condition (Turn Over Certificate should be signed by Chartered Accountant).
5. Self-attested copies of TAN/PAN, GST.

3.2 Criteria for technical qualification

{**Please note:-** The experience certificate should be signed by (i) in case of Govt Organization-Not Less Than the Executive Engineer (ii) in case of Private Organization-Not Less Than the Manager.}

1.	Having experience waste water treatment, project using eco-friendly sustainable technology such as Wet Land, pythorid technology. Experience certificate should be issued on the letter of the department/client and signed by authorized signatory. (10marks for each project executed and maximum of 30 marks)	10x3=30
2.	Having experience of ground water recharge project at large scale. (5 marks for each project executed and maximum of 15marks)	5x3=15
3.	Having experience of Topographic/ hydrological survey of storm water drain, water body, river etc. (1x2.5 marks for topography survey and 1x2.5 marks for hydrological survey) (maximum 5 marks)	2.5x2=5
4.	Project of landscaping of water bodies, parks, drains, river front etc. (2.5 marks for each project maximum of 5 marks).	2.5x2=5
5.	Project done for establishing solar energy or wind energy plants (Solar energy plant-2.5 marks and Wind energy plant-2.5 marks).	2.5x2=5
Total (A)		60

3.3 Requirement of Technical Expertise

S. No.	Qualification	Experience	Marks
1.	B.E, B.Tech., M. Tech. Environmental or any graduate of science having experience in designing in Eco-Friendly sustainable Technology (Wet land, Phythoridon other similar Technology)	5 Years	15
2.	M. Arch. Specialization in land escaping	5 Years	5
3.	M. Tech. Hydrology or equivalent degree	5 Years	5
4.	B.E./B. Tech. Civil Engineering 2 Nos(2 x 5)	5 Years	5
5.	M. Tech Structural Engineering	5 Year	5
6.	B.E./B. Tech. Mechanical/Electrical Engineering 1 Nos	5 Year	5
Total (B)			40

Bidder has to score at least 65 Marks (A+B) to qualify in the Technical Stage.

A Bidder requires to submit quote in Rupees against each drain mentioned in Annexure-I with RFP document. The Financial bid will be opened for those bidders who qualify in Technical Stage. The Financial evaluation will be done for each drain and bidder who has quoted the lowest rate will be awarded the work of PMC for that drain.

3.4 The Selected Agency/ Organization is subject to following conditions:

1. The amount quoted is valid upto the completion of maintenance period of 5 years from the date of signing of the agreement. The same can be extended at the discretion of I&FC Deptt.
2. The Selected agency has to sign a MOU with the Executive Engineer In-charge before start of work and submit PG (valid upto the completion of maintenance period) amounting to 5% of the quoted amount in the form of FDR.
3. **Security Deposit:-** 5% will be deducted from the amount payable in bill raised by the selected agency, on account of security deposit which shall be released after the completion of work including maintenance period.
4. The EMD amount deposited with the bid will be returned on submission of PG amount.
5. The Selection does not confer any right / guarantee of entrusting the work/ jobs in the favour of selected agencies.
6. I&FC Deptt. , reserves the right to reject applications without assigning any reason. The decision of I&FC Deptt. in this respect shall be final and binding on all applicants.
7. Any dispute/ legal case arising out of this empanelment or award of work will be subject to jurisdiction of Delhi Courts only.
8. The Selected Agency is to abide by the General Financial Rules of Government of India, CVC guidelines, instructions issued by the Finance Department, Govt. of Delhi etc.
9. The amount payable to the agency shall be the amount quoted by the agency or 5% of the cost worked out after preparation of Detailed Project Report excluding (labour cess), contingencies and 3rd party quality check) whichever is lower.

10. The rate quoted by the agency shall be inclusive of all taxes.No separate claim for reimbursement of any type of tax will be entertained by the Deptt.at any stage.
11. Time allowed for submission for DPR along with detailed estimate, design and drawing is 120 days from the date of issue of award letter. 0.50% will be deducted from the amount payable to the agency for delay of every 10 (Ten) days.

3.5 Payment schedule:-

- (i) 2% of quoted rates on submission of feasibility report by ascertaining physical status of drain i.e. encroachment, availability of sufficient land for treatment of waste water of required discharge, landscaping etc. as per land records of Revenue Department so that drain can be developed by means of adopting ecologically sensitive sustainable technology. Only of the where is feasible on the drain this should be considered for further course of action. In case of non-feasible drain, payment shall be made as per payment schedule upto minimum of feasibility report i.e 2%. No extra claim on account of pre-mature termination shall be entertained.
- (ii) 8% of quoted rates on submission of preliminary report-like survey report, technology most viable and economical along with conceptual plan.
- (iii) 10% of quoted amount rates on submission & approval of DPR along with detail estimate, details drawing & design along with landscaping plan and drawing .
- (iv) 15% after submission of BOQ, Tender Documents, detail working drawing and design and on award of work .
- (v) 15% of quoted amount rates on Physical completion of $\frac{1}{4}$ of the work.
- (vi) 10% of quoted amount rates on Physical completion of $\frac{1}{2}$ of the work.
- (vii) 10% of quoted amount rates on Physical completion of $\frac{3}{4}$ of the work.
- (viii) 20% of quoted amount rates on physical completion of the work and successful commissioning of the project.
- (ix) 10% of quoted rates during 05 years maintenance period (@2% per Year).
- (x) Performance Guarantee will be returned after completion of maintenance period.
- (xi) Further, 5% will be deducted from the amount payable in bill raised by the selected agency, on account of security deposit which shall be released after the completion of work including maintenance period.

Pre-bid meeting will be held in the Chamber of Superintending Engineer/FC-II, I&FC Department, Govt. of NCT of Delhi, Rohini Office Complex, Sector 15, Rohini, Delhi-110085, at 12.00 am on 11.03.2019 The prospective bidders before participating in the bidding process are requested to attend the meeting on venue and time given above.

Applicants may submit their bid in sealed cover, so as to reach to office of I&FC, on or before 26.03.2019 upto 03.00 P.M. at the following address: The Executive Engineer, Civil Division – X, Irrigation & Flood Control Department, Govt. of NCT of Delhi, L M Bund, Office Complex, Delhi-110092.

SD/-

(EXECUTIVE ENGINEER/CD-X)

FORMAT FOR SUBMISSION OF TECHNICAL BID :-Annexure-I

Name of Applicant Firm:-

S.No.	Description	Page No.
1.	Name of Lead Member alongwith details of members forming Consortia/JV	
2.	Affidavit clearly stating name of Lead Member by the other members of JV/Consortia	
3.	Details of Bid Security: DD No, Bank, date and amount	
4.	Self attested copy of Firm registration, registered in India as per law.	
5.	Solvency Certificate amounting to Rs. 40 lakhs issued by a Bank for Current Financial Year.	
6.	Average annual turnover of at least Rs. 1 Crore, certificate issued by the Chartered Accountant.	
	<i>Financial year end</i>	
	<i>Turnover in crores of INR</i>	
	<i>Year 1</i>	
	<i>Year 2</i>	
	<i>Year 3</i>	
7.	Self-attested copies of TAN/PAN, GST.	
8.	Experience certificate issued on letter of department/client and signed by authorized signatory for project executed for waste water treatment, using eco-friendly sustainable technology such as Wet Land, pythorid technology.	
9	Experience certificate issued on letter of department/client and signed by authorized signatory for project executed for Ground Water Recharge.	
10	Experience certificate issued on letter of department/client and signed by authorized signatory for execution of Topographic/ hydrological survey of storm water drain, water body, river etc.	
11	Experience certificate issued on letter of department/client and signed by authorized signatory for execution of Project of landscaping of water bodies, parks, drains, river front etc.	
12	Experience certificate issued on letter of department/client and signed by authorized signatory for establishing Solar Energy or wind energy plants.	

13	B.E, B.Tech., M. Tech. Environmental or any graduate of science having experience in designing in Eco-Friendly Sustainable Technology (Wet land, Phythoridon other similar Technology) <i>(Encl. information in Annexure-III)</i>	
14	M. Arch. Specialization in landscaping <i>(Encl. information in Annexure-III)</i>	
15	M. Tech. Hydrology <i>(Encl. information in Annexure-III)</i>	
16	B.E./B. Tech. Civil Engineering 2 Nos. <i>(Encl. information in Annexure-III)</i>	
17	M. Tech Structural <i>(Encl. information in Annexure-III)</i>	
18	B.E./B.Tech. Mechanical/Electrical Engineering 1No. <i>(Encl. information in Annexure-III)</i>	

FORMAT FOR SUBMISSION OF FINANCIAL BID:- Annexure-II

Annexure	Name of work	Quoted amount for PMC (In Rs.)
1	PMC for the work of “Rejuvenation of Najafgarh Drain, Delhi in accordance with the scope of work mentioned on RFP.	
2	PMC for the work of “Rejuvenation of Supplementary Drain, Delhi in accordance with the scope of work mentioned on RFP.	
3	PMC for the work of “Rejuvenation of Shahdraoutfall Drain, Delhi in accordance with the scope of work mentioned on RFP.	
4	PMC for the work of “Rejuvenation of Ghazipur Drain, Delhi in accordance with the scope of work mentioned on RFP.	
5	PMC for the work of “Rejuvenation of Trunk Drain No-I, Delhi in accordance with the scope of work mentioned on RFP.	
6	PMC for the work of “Rejuvenation of Trunk Drain No-II, Delhi in accordance with the scope of work mentioned on RFP.	

Signature & Stamp of Applicant

Format of Curriculum Vitae (CV) for Proposed Key Personnel: - **Annexure-III**

Name of Personnel	
Profession	
Years with Firm	
Nationality	
Area of Specialization	
Proposed Position on Team	

Key Qualifications:

Project Details	Degree of responsibility/ Experience

Education:

Degree	Name of Institute	Year

Relevant Experience:

POSITION HELD	
Duration	
Location	
Types of activities performed	
Names of relevant projects handled	
Client References	

Languages Known:

	Speaking	Reading	Writing
Language			

UNDERTAKING

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Date:

Signature & Stamp of Applicant
(Signature of Staff or Authorized Representative/Signatory of the firm)