

DELHI CO-OPERATIVE HOUSING FINANCE CORPORATION LIMITED
3/6, SIRI FORT INSTITUTIONAL AREA, AUGUST KRANTI MARG,
NEW DELHI-110049

NOTICE INVITING SEALED TENDER/ QUOTATION FOR RAIN
WATER HARVESTING SYSTEM

Name of the work	Installation of full operational Rain Water Harvesting system including construction of pit, transporting rainwater from rooftops through installation of good quality of PVC pipes, commissioning/ channelization of conduits carrying rainwater from the catchment or rooftop to the chamber/ RWH structure) in the premises of the DCHFC Ltd. with 5 year maintenance
Estimated value	Rs. 2.00 Lacs to Rs. 3.00 Lacs
Earnest money	Rs. 5000/- in the form of DD
Last date and time of Submission of tender/ quotation	13.11.2018 till 3:00 P.M. in the box at Reception
Date & Time for opening Of Tender/ Quotation	14.11.2018 at 11:30 A.M.
Address for submission of Tender/ quotation	Delhi Co-operative Housing Finance Corporation Ltd. 3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi – 110 049 Email: support@dchfcdelhi.nic.in Tel. # 011 – 26491111

Fact Sheet

Particulars	Details
Availability of tender document	can be downloaded from the following web site of Delhi Co-operative Housing Finance Corporation Ltd. www.dchfcdelhi.nic.in
Earnest Money Deposit (EMD)	Earnest Money Deposit of amount Rs. 5,000/= (Rs. Five Thousand Only) Demand Draft in favour of Delhi Co-operative Housing Finance Corporation Ltd. and payable at New Delhi from any of the nationalized Scheduled commercial Bank to be submitted in original physical form at 3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi – 110049 on or before last date and time of submission of sealed tender/ quotation.
Name, Address, E-mail and Telephone No. of Tender Inviting Authority	Ms. Anita Agarwal, Senior Manager Delhi Co-operative Housing Finance Corporation 3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi – 110 049 Email: support@dchfcdelhi.nic.in Tel. # 011 – 26491111
Language of Tender	Sealed tender/ quotation should be submitted in English language only.
Validity of Tender	Sealed tender/ quotation must remain valid for 30 days after the last date of submission.
Last date for submission of sealed tender	13.11.2018 till 03.00 P.M. in Box at Reception.
Opening of sealed tender by the committee	14.11.2018 at 11.30 A.M.

SEALED TENDER/ QUOTATION 2018

1 Work

Sealed tender/ quotations are invited for the installation of full operational Rain Water Harvesting system in the premises of the Delhi Co-operative Housing Finance Corporation Ltd. (DCHFC Ltd.).

2 Scope of work

The scope of work consist of Construction of Rain water Harvesting system in the premises of DCHFC Ltd. i.e. preferably in front lawn of the building **as per the guidelines/ norms and in purview of the Design and Terms & conditions issued by Delhi Jal Board vide letter no. DJB/EE(RWH/GWC)/2018/4378 dated 16.08.2018 (attached as 'Annexure – I')**.

The work further includes the attainment of full operational RWH - transporting **rainwater** from rooftops through installation of good quality of PVC pipes or drains, filtration, and storage in tanks for reuse or recharge. Proper commissioning/ channelization of conduits/ pipelines carrying **rainwater** from the **catchment** or rooftop to the chamber/ **RWH structure** per the design issued by Delhi Jal Board.

Good quality of work includes Earth work Excavation trenches by manual/ mechanical, providing and fixing of PVC pipes of ISI marked joint with heavy duty sockets, providing and laying cement concrete, supply and fixing of shuttering for RCC work, cables, drains, smooth finishing of structure etc.

3 Eligibility of Bidders

All contractors who are registered/ empanelled with Delhi Jal Board constructing similar kind of system for at least last three consecutive years and having annual turnover of (30% of the estimated value of the proposed system) during the last three financial years in the books of ~~accounts~~.

The bidder should have the experience of completion of similar works in any of the Departments/ Autonomous Institutions/ Universities/ Public sector undertakings of the Govt. of India or Govt. of NCT of Delhi or any other State Govt. or Public Sector Banks or Local Bodies / Municipalities as follows:

- (a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost; or

- (b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost; or
- (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.

4 Submission of Bids

The bidders should submit the sealed tender/ quotation in original at 3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi – 110049.

5 Evaluation process

- a) DCHFC shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders.
- b) The Tender Evaluation Committee constituted by DCHFC shall evaluate the responses to the Tender and all supporting documents/ documentary evidence. Inability to submit requisite supporting documents/ documentary evidence may lead to rejection.
- c) The decision of the Proposal Evaluation Committee in the evaluation of responses submitted by the bidders shall be final. No correspondence will be entertained outside the process of negotiation/ discussion with the Committee.
- d) The Proposal Evaluation Committee may ask for meetings with the Bidders to seek clarifications on their proposals.
- e) The Proposal Evaluation Committee reserves the right to reject any or all proposals on the basis of any deviations.
- f) Each of the responses shall be evaluated as per the criteria and requirements specified in the RFP.

6 Tender validity

The sealed tender/ quotation should be valid for minimum period of **30 days** from the last date of submission of tender.

General conditions of Tender/ quotation

1. Submission of tender / quotation

Tender/ quotation should be submitted in sealed envelope super-scribing Bidder name & address, name of the work, due date for opening. The tender/ quotation duly filled in may be sent to above mentioned address either by post or hand delivered in the tender box kept beside the Reception of the office after ensuring due entries are made in the register kept at the counter. It should not be handed over to any employee of the office. No tender/ quotation shall be accepted later than the time schedule specified above.

2. Price & description

The bidder is required to quote the price and description of work including all material cost, labour, services, plant/ machinery tools and tackles, ladders & scaffolding required for work, freight, Insurance, Octroi, Govt. duties & levies, taxes (VAT, Service Tax, Sales Tax etc.), transport / cartage of materials/ labour and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to contractor. Further, nothing extra in rates will be considered for any variations in tender/ quotation quantities or due to any site difficulties. It is mandatory for bidder to quote all items rate adhering to the design and terms & conditions prescribed by Delhi Jal Board (copy annexed herewith). Failure in not filling some items rates will lead to rejection of tender/ quotation.

3. Escalation

No escalation over and above items rates quoted by the bidder shall be paid during the execution of work.

4. Completion time

The entire work is to be completed in all respects within a period of two months positively from the date of award of work by this office. Any delay in completing the work for reasons attributable to the contractor is liable for liquidated damages as assessed by this office. Under the force-majeure conditions or delay due reasons beyond control of the contractor, DCHFC may grant suitable time extension for which the contractor has to request along with the justification/ reasons well in advance to the General Manager, DCHFC Ltd. for approval without any prejudice to price escalation. The decision of the General Manager will be final and binding on the contractor.

5. Deviations

No deviation from the stipulated terms and conditions and approved specification/ design shall be allowed.

6. Site conditions

Contractor shall acquaint himself fully with the site conditions and must visit the site before submitting the tender. The working environment of DCHFC before quoting his rates. No compensation on account of any site difficulties will be entertained at a later date, after award of the work.

7. Terms of payment

The job may be completed in 60 days. The 10% advance payment will be made along with work order. 10% payment on the Earth work excavation trenches, 20% payment on supply of material at site, 20% of payment on the commissioning/ channelization of conduits/ pipelines, 20% payment on RCC slab/ brick work and final 20% payment on completion of construction of operational pit & after obtaining of adequacy letter from DJB.

8. Labour Laws

The contractor will abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance etc. This will be the sole responsibility of the contractor, DCHFC will not be a party at any stage in any of the disputes relating to the above. In case, DCHFC has to bear any expenditure due to non-conformance of above provisions by the contractor, the same will be recovered from contractor's bills.

9. Rules governing the contractor's employees working in the DCHFC premises

The contractor's employees working inside the DCHFC premises will abide by the DCHFC's directions and regulations for working inside the premises. Any damage to the DCHFC property due to mishandling, carelessness on the contractor's or his workmen's part will be recoverable from the contractor's bills.

10. Liquidated damages

In case the work is delayed beyond the specified completion period for reasons attributable to the contractor, deductions on account of liquidated damages @1% of award work value per week will be deducted subject to a maximum of 10% of the award work value. Further, DCHFC also reserves its rights for any exemption/ decision whatsoever and if need be, to get the work done by any other contractor at the risk and cost of the existing contractor and amount to that effect will be deductible from his bills/ dues.

11. Extra or substituted item

If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which shall be approved by DCHFC. If required, DCHFC can make its own analysis based on market rates for determining item rate.

12. Defect Liability period

The contractor has to ensure that there should not be any defect in the system procured by it for a period of one year after completion of the structure and must ensure to provide the assistance to maintain the same for a period of 5 years. Any defect arising in this period due to contractor's fault will be rectified by him at his own cost and provide all the assistance to maintain the RWH in full operational.

13. Performance Security Deposit

The tender form should be accompanied by a earnest money deposit of **Rs. 5,000/-** in the form of demand draft in favour of Delhi Cooperative Housing Finance Corporation Ltd., payable at New Delhi.

The successful tenderer will also be required to deposit **@5% amount of the total tender/ quotation cost as the Performance Security Deposit** within 7 days from the date of the work award through DD / Pay order and this amount will only be released after of accomplishing the complete satisfactory work of Rain Water Harvesting system.

The earnest money in respect of unsuccessful tenderers will be returned. No interest shall be paid by the Corporation on the earnest money / performance security deposit.

14. Acceptance

The tenderes submitting the tender would be presumed to have read, understood and accepted all the terms and conditions. No inquiry, verbal or written, shall be entertained in respect of acceptance/rejection of the tender.

15. Breach of terms

In the event of any breach/violation or contravention of any terms and conditions contained herein by the contractor, the security deposit shall be forfeited by the Delhi Cooperative Housing Finance Corporation Ltd.

Additional working conditions

- (a) Contractor will take due permission for entry of all his workmen in DCHFC. No un-authorized person will be allowed to work inside.
- (b) The contractor will provide for all necessary materials, tools, equipment, access ladders & scaffolding, measuring instruments and working consumables etc. needed for execution of the works. Safe custody of all such material will contractor's sole responsibility. No extra charges will be paid for the same. Watch and ward of all material till the system is procured shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
- (c) During execution of work, the contractor should follow all standard norms of safety measures/ precautions as per relevant IS codes and CPWD/ DJB specifications to avoid accidents/ damages to man, machines and buildings at his own cost. Contractor will have to make his own arrangement to escort the labour to the nearest hospital for treatment in case any injury happens to any worker during execution of work.
- (d) During execution of the work, contractor shall dispose-off waste material outside the DCHFC building on regular basis and should keep the area of work properly cordoned off and neat and clean as far as possible. After completion of work, contractor shall clear the site completely of all unwanted and junk material before submitting his final bill.
- (e) After award of the work, contractor will immediately make a work program in consultation with DCHFC as to which activity is to be done in which sequence. Thereafter, contractor will carry out the work in that sequence.
- (f) The contractor must have valid and latest Income Tax clearance certificate issued by Assessing Officer. PAN No. allotted by the Income Tax department which should be quoted and a photocopy should be enclosed.
- (g) Contractor will follow the provisions of all prevalent labour laws, acts of Govt. and shall be fully responsible for any violation in this regard.
- (h) Contractor shall undertake all safety precautions during the execution of work as laid down in relevant I.S. codes and CPWD safety manual. In case of any injury to any person, contractor shall make arrangements to take him to hospital for treatment at his own cost and he will solely be responsible for any consequences arising out of any violation of safety norms.

- (i) The General Manager, DCHFC reserve the rights to terminate the work award on account of poor workmen ship, failure to mobilize site within 15 days , non-compliance of set specifications for the works, abnormal delay in progress of work, violation of any procedure/ provisions by the contractor.
- (j) Any dispute arising out of this will be subjected to jurisdiction of Delhi/ New Delhi.
- (k) DCHFC reserves its rights to reject any or all the tenders/ quotations in full or in part without assigning any reasons whatsoever and the decision of the DCHFC in this regard will be binding on all the bidders. Tenders/ quotations not complying with any of the conditions stated are liable to be rejected. General Manager, DCHFC reserves the right to accept or reject any tender/ quotation without assigning any reason and does not bind himself to accept the lowest tender/ quotation.

Accepted
(Signature of the Bidder)

**NOTICE INVITING SEALED TENDER/ QUOTATION FOR RAIN
WATER HARVESTING SYSTEM IN THE PREMISES OF**

**DELHI COOPERATIVE HOUSING FINANCE CORPORATION LTD.,
3/6, SIRI FORT INSTITUTIONAL AREA, AUGUST KRANTI MARG,
NEW DELHI-110049.**

ANNEXURE – I

TENDER FORM

1. Name, address of the tenderer with Telephone No. _____

2. Registration Number of the tenderer _____
With Delhi Jal Board
3. Name, Designation, Address and Telephone No. of Authorized person of the
tenderer to deal with _____
4. PAN of Income Tax Deptt. (Attach Proof) _____
5. GST No. (Attach Proof) _____
6. License No. under Contract Labourer (R&A)
Act (Attach Proof) _____
7. Details of earnest money deposited
 - a. Amount Rs. 5,000/= (Rs. Five Thousand Only)
 - b. Bank Draft Pay Order No _____
 - c. Date of Issue of DD/Pay Order _____
 - d. Name of the issuing bank _____
11. Details of work experience with regard to
Rain Water Harvesting system Security services
(with full details of organization
For whom the system has been procured
12. Any other Information
13. Declaration by the contractor:-

This is to certify that I/We have read and fully understood all the terms and conditions and instructions contained herein and attached herewith. I undertake myself/ourselves to abide by the said terms and conditions.

(Signature of Tenderer)

Name:

Address

Seal

Phone No.(O)

Dated:

(M)

Annexure - 3

DELHI COOPERATIVE HOUSING
FINANCE CORPORATION LTD.
20 AUG 2018

DELHI JAL BOARD: GOVT. OF NCT OF DELHI
OFFICE OF THE EXECUTIVE ENGINEER (RWH/GWC)
ROOM NO. 208, VARUNALAYA PHASE-I
KAROL BAGH, NEW DELHI - 110005
23558264

DNV No. 1538

No./DJB/EE (RWH/GWC)/2018/ 4378

DATED: 16/8/18

To,

Smt. Anita Agarwal,
Senior Manager,
Delhi Co-operative Housing Finance Corporation Ltd.,
3/6, Siri Fort Institutional Area, August Kranti Marg,
New Delhi-49

**Sub:-Design of rain water harvesting at Delhi Co-operative Housing Finance Corporation Ltd.,
3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi-49.**

Sir

Please refer to your application on the above subject. A drawing of rain water harvesting structures for the premises including conditions and layout drawing showing location of RWH structure is enclosed. It is to mention that design of rain water harvesting structure is based on the inputs provided by yourself/your representative.

The enclosed design is in form of technical assistance only. Proposed one **No. RWH structure of size 2.0 x 2.0 x 2.0m without recharge bore well** as mentioned in the drawing attached is provided as technical assistance. Rain water conveyance system duly integrated should be provided and connected with RWH Structure in the above premises.

This is subject to the condition that in case of any restrictions on construction activities in the said premises by any other government authorities and court orders, then this design/approval is deemed to stand cancelled. The storm water conveyance system shall be provided in place and made fully operational for efficiency of proposed RWH Structure.


EE (RWH/GWC)

DELHI JAL BOARD
VARUNALAYA PHASE-I
KAROL BAGH, N.D.-05

Conditions for RWH Structure at Delhi Co-operative Housing Finance Corporation Ltd., 3/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi-49

1	Total area of the Plot	1014sqm approx.
2.	(Ground Coverage) Total catchment area considered for RWH Systems	338sqm. approx
.3	off-Average Yearly Rain Water Run recharge available for	650mm
.4	Maximum average hourly rainfall intensity considered for designing rain water harvesting structures	25 mm
.5	Proposed Recharge Structures (drawing enclosed)	One No. recharge pit without recharge bore well of size 2.0 x 2.0 x 2.0 m.

1. This office should be intimated immediately after completion of the recharge system for inspection by officials of RWH cell of DJB.
 2. Structural design for chamber walls & top slab is to be got done from a qualified structural engineer. No claims shall be tenable on account of this.
 3. Slight modification in sizes shown in drawing (depending on availability of space at site) is feasible to the extent that volume/storage capacity remains same.
 4. Depth of the recharge trenches/chambers is below the Invert Levels of inlet pipes and up to the first layer of filter media. Sizes in respect of lengths and breadths given in design are the inner dimensions of recharge trenches/ chambers. Foot rests in filtration chamber are to be provided to facilitate entry of maintenance person in this chamber. In case of any doubt, the office of EE (RWH) Cell, DJB may be contacted.
 5. Waste water/contaminated water shall not be allowed to enter into the storm water drains (rain water conveyance system) and recharge structures to avoid contamination of ground water. Proper care & precaution shall be taken for maintaining the rain water harvesting system on regular basis.
 - a. Check and clean catchments on weekly basis.
 - b. Check and clean rain water conveyance system on monthly basis.
 - c. Check and clean filtration chamber prior to and after monsoon every year. Take out filter media, wash it and reuse with additional quantities for the deficient portions.
- These are to be checked on fortnightly basis during monsoon and are to be cleaned.
6. It is advised to provide a mesh on the mouth of the inlet (in the last chamber of the rain water conveyance system prior to recharge structures) to prevent entry of debris and floating material into the recharge trenches. Sluice valves/ Shutters may be provided to

EE (G W CELL)
DELHI JAL BOARD
 VARUNALAYA BHAWAN,
 JHANDEWALLAN, N.D.-05

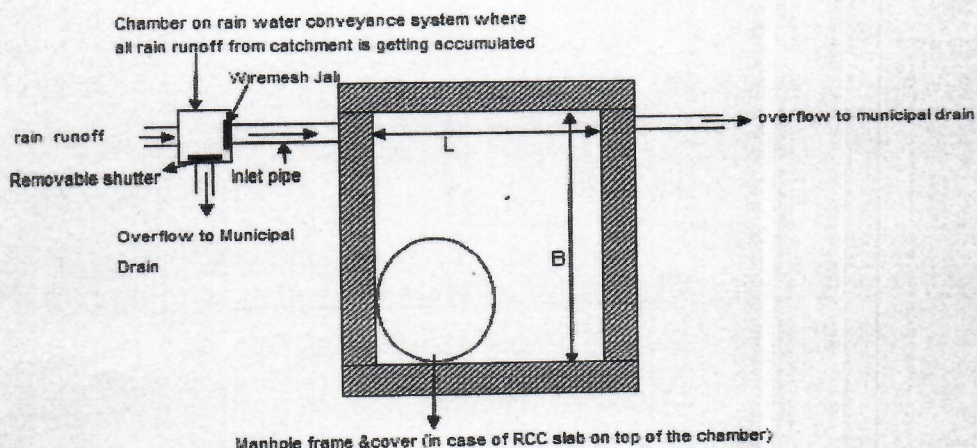
ensure that no water other than rain water is diverted to the recharge structures and to divert first rain water run-off into municipal drain. Rain water recharge structures are to be in operation during the monsoon season only so as to avoid any contamination.

7. The work may be undertaken by the specialized agencies so that the objective of rain water harvesting is implemented in true spirits and due benefits are accrued.
8. It is to be noted that success and effectiveness of rain water harvesting system depend on proper execution and its proper maintenance.
9. Following measures as stipulated by Hon'ble Supreme Court must also be ensured to prevent any accident;
 - a. Erection of signboard & caution board at the time of construction and on the above installations.
 - b. Erection of barbed wire fencing or suitable barriers around the above sites.
 - c. The display Board (in Hindi) with Dos & Don'ts must be erected on each crucial installation.
10. Capacities for recharge structures are based on rain water runoff from roof areas. However citizens are encouraged to make recharge structures of additional capacities that take runoff from other non polluting catchments.
11. Minimum and maximum depths of recharge structures may not be less than 1.0m and may not be more than 4.0m respectively.
12. Recharge structures shall be cleaned before onset of monsoon season every year including removal, washing and relaying with topping of filter media layers, if provided.
13. It is advisable to clean the recharge structures after every 2 rainfalls during the rainy season or more frequently. Recharge structures shall be checked and cleaned at least 7 days interval or more frequently during rainy season.
14. Post monsoon cleaning and maintenance of recharge chambers shall be carried out. It is again to emphasize that proper & timely maintenance is the key factor for the success of Artificial Recharge structures. Citizens are required not just to make the RWH structures but also to maintain them such that they are efficiently able to function during the monsoons. Following annual maintenance activities shall also need to be done in this regard.
 - i. Cleaning of filter media by thoroughly washing it with water/topping/replacement of filter media.
 - ii. Repair for structural damages & system efficiency.
 - iii. Repair / design modifications / diversions to ensure that no contaminated water enters the structures and not to allow any changes in catchment that may prevent Rain Water runoff from reaching the recharge chambers.

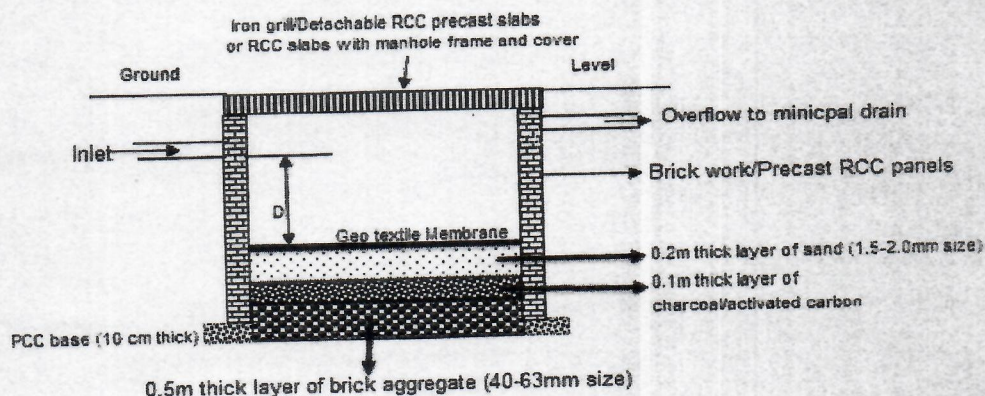
EE(RWH/GWC)
EE (G W CELL)
DELHI JAL BOARD
VARUNALAYA, BHAWAN,
HANDEWALLAN, N.D-05


AE (RWH/GWC)

**RWH Structure at Delhi Co-operative Housing Finance Corporation Ltd., 3/6,
Siri Fort Institutional Area, August Kranti Marg,
New Delhi-49**



PLAN



SECTION

Required Size of RWH Structure:- L X B X H (one no. Structure) 2.0 x 2.0 x 2.0 m

Note: For working out the storage/retention capacities, depths are to be considered below the invert level of the lowest inlets to the recharge chambers/trenches. Alternative to suggested filter media may be multiple layers of jute mats in recharge chambers / modular filters in rain water pipes from rooftops with the objective to arrest the silt in the rain runoff generated from the catchments before its percolation into the natural soil strata. No waste water is allowed to be entered into Recharge Structures. For more details, please contact to the office of EE (RWH/GWC), Delhi Jal Board, Room No. 11, Varunalaya Phase-I, Karol Bagh, New Delhi-110005, Tel No. 011-23558264.

Bm
EE (RWH/GWC)
EE (GWC CELL)
DELHI JAL BOARD

AE
AE (RWH/GWC)