



SRI VENKATESWARA COLLEGE
(University of Delhi)

Managed by Tirumala Tirupati Devasthanams (TTD)


NAAC Accredited "A+" Grade (2022), DBT Star College Status (2016), NIRF Rank # 13(2023)

Benito Juarez Road
Dhaura Kuan, New Delhi -110021
Phone: 91 11-24118590
Fax: 911124118535
Webpage: www.svc.ac.in
Email: principal@svc.ac.in

Criteria 7
Supporting Document

7.1.4 Water conservation facilities available in the institution

Disclaimer: Files attached have been checked and verified


Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. Vartika Mathur

IQAC Coordinator


प्रधानाचार्य
Principal
श्री वेंकटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआँ, नई दिल्ली / Dhaura Kuan, New Delhi-21

Prof. Vajala Ravi

Principal

Rain Water harvesting System at Sri Venkateswara College

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

No./DJB/EE (RWH/GWC)-I/2021/ 1209

DATED: 04/8/2021

To,

Principal,
Prof. C. Sheela Reddy,
Sri Venkateswara College,
Benito Juarez Road,
Dhaura Kuan, New Delhi-110021


Subject: Design of rain water harvesting structure at Sri Venkateswara College, Benito Juarez Road, Dhaura Kuan, New Delhi-110021.

Sir,

Please refer to your application on the above subject. A drawing of rain water harvesting structure for the premises including conditions and layout drawing showing location of RWH structure are 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 Eight Nos. RWH structure **without bore** of sizes mentioned in the sheet of RWH structure drawing attached herewith. Rain water conveyance system (storm water drain) 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 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)-I
EE (RWH/GWC)
DELHI JAL BOARD
VARUNALAYA BHAWAN
JHANDEWALAN, N.D.-5

**Conditions for Construction at Sri Venkateswara College, Benito Juarez
Road, Dhaula Kuan, New Delhi-110021.**

1	Total area of the Plot	60700.50 sqm.
2.	Total Roof Top area considered for RWH Systems	8631.09 sqm.
3	off available -Average Yearly Rain Water Run for recharge	650 mm
4	Maximum average hourly rainfall intensity considered for designing rain water harvesting structures	25 mm
5	Proposed Recharge Structures (drawing enclosed)	Eight nos. recharge pit without recharge bore well .


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. 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.
4. 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.
5. 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 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.

EE (RWH) GWC)
DELHI JAL BOARD
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JHANDEWALAN, N.D.-5

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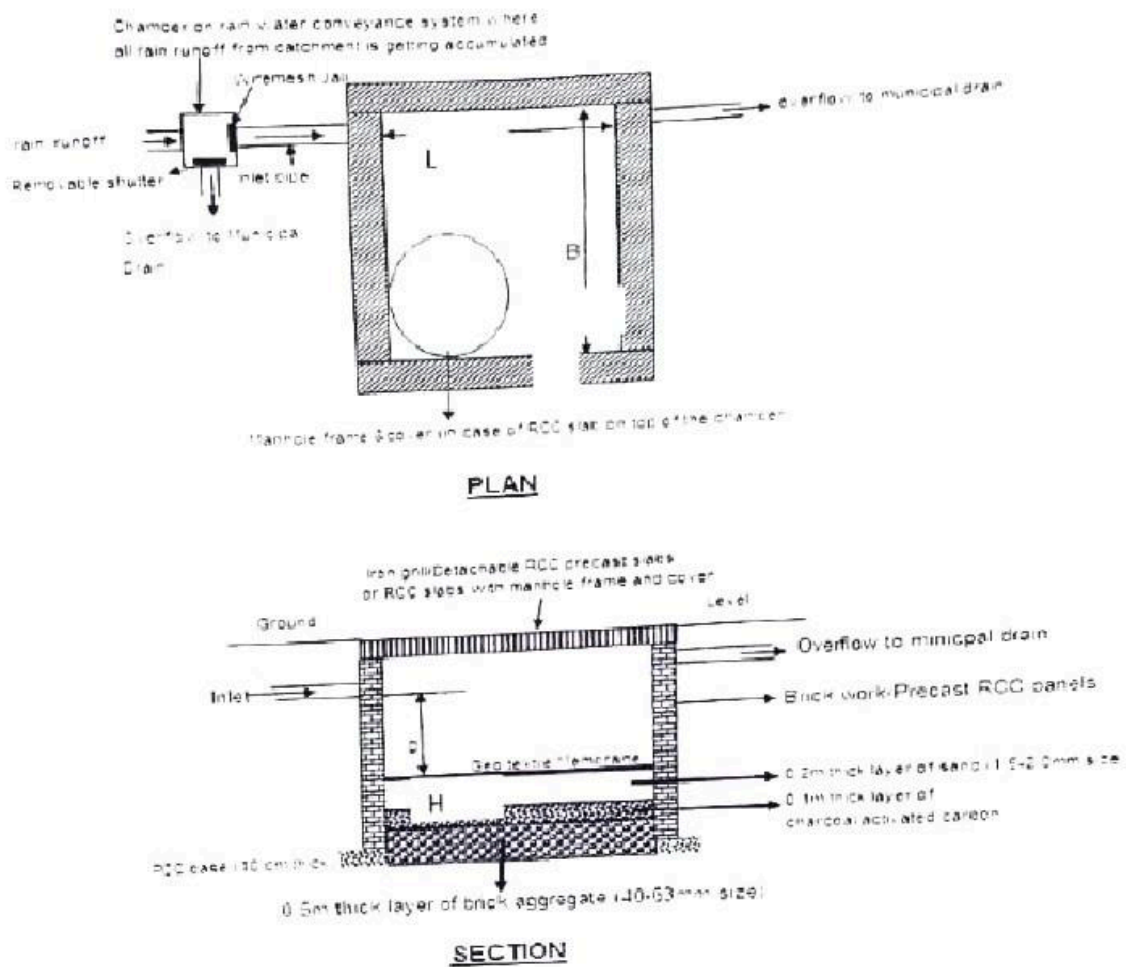
6. The work may be undertaken by the specialized agencies so that the objective of rain water harvesting is implemented in true spirits and due benefits are accrued.
7. It is to be noted that success and effectiveness of rain water harvesting system depend on proper execution and its proper maintenance.
8. 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.
9. 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.
10. Minimum and maximum depths of recharge structures may not be less than 1.0m and may not be more than 4.0m respectively.
11. 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.
12. 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.
13. 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.
 - a. Cleaning of filter media by thoroughly washing it with water/topping/replacement of filter media.
 - b. Repair for structural damages & system efficiency.
 - c. 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)-1
EE (RWH/GWC)
DELHI JAL BOARD
VARUNALAYA BHAWATI
JHANDEWALAN N.D.-9


AE(RWH)-1

RWH Structure at Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi-110021.

Fig. 1 Rectangular Recharge Chamber for RWH



- Size of RWH Structure:-
- (1) $L= 12.0 \times B= 3.50 \times D=1.25 \text{ m}$ (Only one No. RWH structure)
 - (2) $L= 14.0 \times B= 4.0 \times D=1.25 \text{ m}$ (Only one No. RWH structure)
 - (3) $L= 3.0 \times B= 3.0 \times D=1.25 \text{ m}$ (Only one No. RWH structure)
 - (4) $L= 4.0 \times B= 3.0 \times D=1.25 \text{ m}$ (Only two Nos. RWH structures)
 - (5) $L= 2.0 \times B= 2.0 \times D=1.25 \text{ m}$ (Only three Nos. RWH structure)

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.



Prof. C. Sheela Reddy
Principal

श्री वेङ्कटेश्वर कलाशाला
Sri Venkateswara College

(University of Delhi)

NAAC 'A' Accredited, DBT Star Status

Benito Juarez Road, Dhaura Kuan, New Delhi-110021
Ph.: 011-24112196, 24118590, Telefax : 011-24118535
principal@svc.ac.in

To

7th June 2021

Mr. Rana Chatterjee
Head of Office,
CGWB SUO
R K Puram
New Delhi – 110022

Subject: Request for technical expertise for Rain Water Harvesting for groundwater recharge

Dear Sir,


As you are aware, Sri Venkateswara College, University of Delhi, is known not just for its academics, sports and cultural vibrancy, but also for being environmentally conscious.

According to the report by your CGWB, groundwater level is declining by 0.5 to 2 metres annually in most parts of Delhi. Therefore, Sri Venkateswara College has been aiming to install Rainwater Harvesting (RWH) in our college for groundwater recharge.

I would highly appreciate it if you could kindly provide us with your technical expertise and guide us through various steps for installing RWH structures in our college. This will help us to fulfil our responsibility to recharge groundwater and contribute to increasing the water table in the area.

Please feel free to contact me (principal@svc.ac.in) or Dr. Vartika Mathur (vmathur@svc.ac.in; +91 9810386575), who is taking care of this initiative, for any queries or communication.

Looking forward to your favourable reply.


Prof. C. Sheela Reddy
Principal



Dr. P. Hemalatha Reddy
Principal

శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College

(University of Delhi)

NAAC 'A' Accredited, DBT Star Status

Benito Juarez Road, Dhola Kuan, New Delhi-110021
Ph.: 011-24112196, 24118590, Telefax : 011-24118535
principal@svc.oc.in

Ref.No.SVC/Police/2019/141-28

28.09.2019

The Dy. Commissioner of Police
South West District
Basant Lok, Vasant Vihar
New Delhi - 110 070

Sub: Sri Venkateswara College, New Delhi - Water Harvesting Structures in the campus - permission - reg.

Dear Sir,

I am pleased to inform you that the college has accorded necessary approvals from the management for a provision of water harvesting structures (3 nos.) in the college.

The work of "Construction of Rain Water Harvesting Structures in S.V. College: has been awarded to M/s Chaudhary Builders, Khasra No.299, Village Gokul Pur, Wazirabad Road, Shahdara, Delhi - 110 094 and the work will be supervised by the Tirumala Tirupati Devasthanams' Engineering Department stationed in the college campus.

I have been requested by the contractor and T.T.D. Engineering Department to obtain necessary approvals from your department for construction of Rain Water Harvesting Structures and other related works.

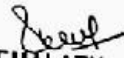
In the light of the above, I request you to kindly accord your approval for the Construction of Rain Water Harvesting Structures in S.V. College as the construction of Rain Water Harvesting Structures is a mandatory requirement as per NGT Guidelines for educational institutions.

Thanking you,

Yours sincerely


(P. HEMALATHA REDDY)

41-29 Copy to: The S.H.O. South Campus, R.K. Puram, New Delhi, for information and necessary action
41-30 The Chowki-in-Charge, Nanakpura, New Delhi, for information and necessary action.
TTD Engineering Department/Police file/Water Harvesting file/master file

d/c
1/4

(P. HEMALATHA REDDY)

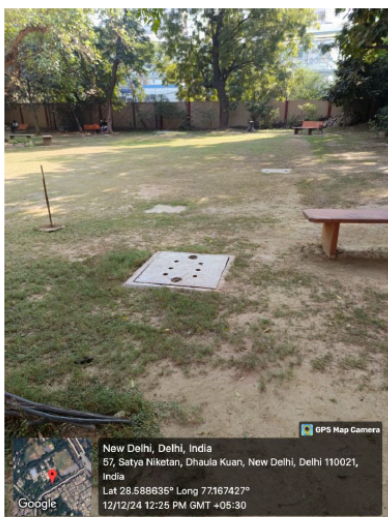
RAINWATER HARVESTING

As an environmentally conscious campus, Sri Venkateswara College constantly endeavours for water conservation and has therefore successfully established numerous rainwater harvesting pits and infrastructure in the campus.



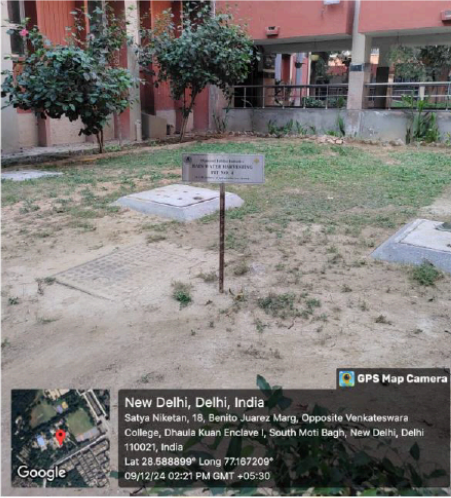


Rain water harvesting pits around strategic locations around the college





Rain water harvesting pits around strategic locations around the college (SPORTS GROUND)



Rain water harvesting pits around strategic locations around the college



Rain water harvesting pits around strategic locations around the college (SPORTS GROUND)



Bore Well





Storage unit



Water tanks for storage of water for insect/fish biodiversity

Bill for Tank Cleaning

Max Cleaner Pvt. Ltd.									
			ADD:-		1577/112, Tri Nagar, New Delhi -110035, INDIA				
			Tel:		0091- 9990464500, 9990474500				
			GSTIN:		07AAHCM3149E1ZL				
Tax Invoice					(Original For Recipient)				
Invoice No:	MCPL/24-25/011		Customer Name:	Sri Venkateswara College (University Of Delhi)					
Invoice date:	20 - 07 - 2024		BILL To:	Sri Venkateswara College, Dhaula Kuan, New Delhi, Delhi 110021					
State:	DELHI		SHIP To:	Sri Venkateswara College, Dhaula Kuan, New Delhi, Delhi 110021					
State Code	7		GSTIN (if applicable):	N/A					
Ref. Work :	U/G & O/H Water Tank Cleaning Work		State & State Code	Delhi (07)					
S. No.	Description	HSN Code	Qty	Rate	Amount	Discount	Taxable Value	Total	
1	cleaning of overhead pvc water tank of 02 kl	998534	2	600	1,200	-	1,200	1,200	
2	cleaning of overhead pvc water tank of 05 kl	998534	5	1,250	6,250	-	6,250	6,250	
Total								7,450	
Total Invoice Amount in Words						Total Amount before Tax			7,450
Rupees Eight Thousand Seven Hundred Ninety One Only						Add: CGST @ 9%			670.5
						Add: SGST @ 9%			670.5
						Add: IGST @18%			
						Total Tax Amount			1,341
						Total Amount after Tax:			8,791
Bank A/C:	135305000147		Certified that the particulars given above are true and correct						
Bank IFSC:	ICIC0001353 Address : ICICI BANK, PP TOWER, NSP, DELHI -34		For Max Cleaner Pvt. Ltd.						
Terms & conditions	1. An interest @18% will be charged in case payment is not Received as per Payment Terms mentioned above. 2. Payment is to be made in favor of "Max Cleaner Pvt Ltd " Payable at New Delhi.								
	Common Seal		Authorised signatory						





Sri Venkateswara College Hostel

(UNIVERSITY OF DELHI)
Benito Junroz Road, Dhaura Kunn, New Delhi-110021

Telefax : 011-24110000
E.mail : hostelwarden@svo.ac.in

Dated 12.08.24

ORDER FORM

Serial No. **403**

Order No. SVG/Hostel/

To Max Cleaners Pvt Ltd.
1577/112, Taji Nagar, New Delhi 110025
mob. 9990464500

Dear Sir,

Please supply the following per bearer/by your estimate
and send your Bill for the same in triplicate. Payment will be made after approval of the goods supplied as per the
specifications. as per requirement

PRODUCT, PACKING & CODE	RATE		QUANTITY	VALUE	
	Rs.	P.		Rs.	P.
Comper commercial proposal for cleaning and disinfection of the water tanks	600				
1. over-lead Tank P. 2000 liter PVC	600		02	1200	00
2. over-lead PVC Tanks 5000 liter	1000		06	6000	00
3. underground for Tanks 30,000 liter	4500		01	4500	00
WST @ 10% extra				2106	00
Terms and conditions Total amount for Amc 3 times in a year 13807/- 13807 x 3 = 41421/- The above service charge is applied for one time cleaning service. Payment has to be made after completion of work & water coolers will be checked term by term.				13807	00
			TOTAL		

D. K. Mishra
Warden
13/8/24

M. K. Singh
13/8/24

S. O.

Yours faithfully
Principal

(Please note the Terms & Conditions on reverse)

