



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution | Approved by AICTE | Affiliated to Anna University

Kuniamuthur, Coimbatore - 641008

6.2.1 Water Consumption Tracking



Extensive Rainwater Harvesting facilities have been installed within the campus to satisfy the campus water demand. Three types of rainwater conservation models are used to harvest the rainwater acquired within the campus.

Model 1- Conventional Rainwater Harvesting

Model 2- Percolation Pits along the Runoff Channels

Model 3- Pond

Model 4- Perforated Drain Channel

Model 1: Conventional Rainwater Harvesting Pit:

Conventional rainwater harvesting pits measuring 02 feet x 02 feet in size have been established around the campus to collect the roof top runoff. Rainwater is collected from a roof-like surface and redirected to a pit so that it seeps down and restores the ground water.



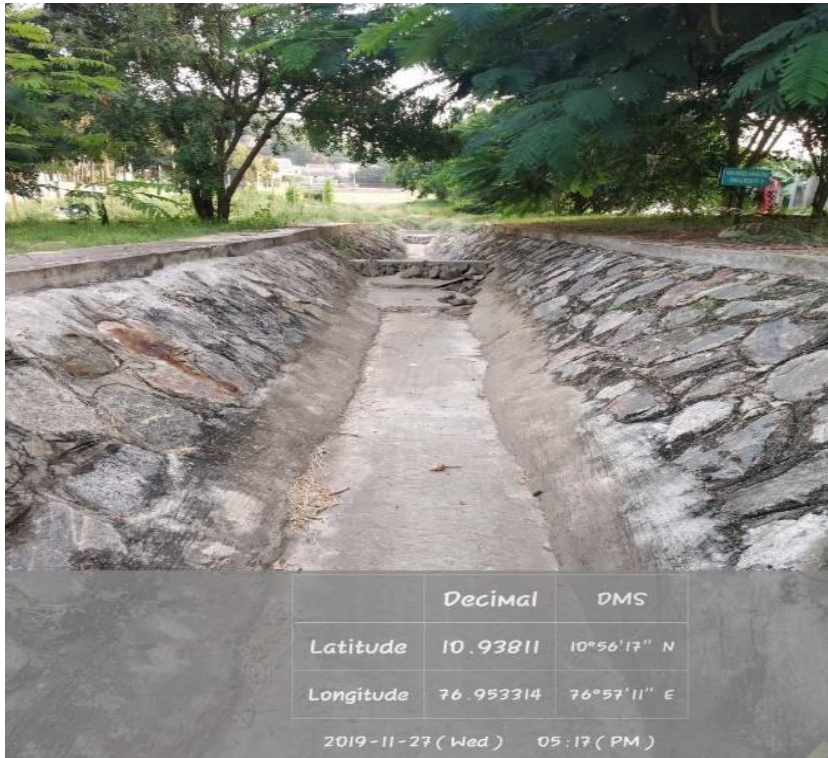
Rainwater Harvesting Pit



Rainwater Harvesting Pit

Model 2: Percolation Pits by Deep Bore Holes

Percolation pits along the runoff channels with a check dam facility has been constructed across small streams having gentle slope. Around 45 pits were excavated along the flow channel each measuring a depth of 100 feet. The check dams were constructed adjacent to each pit along the channel to store minimum quantity of water in each chamber to recharge the groundwater and the excess water overflows to the next chamber along the channel.



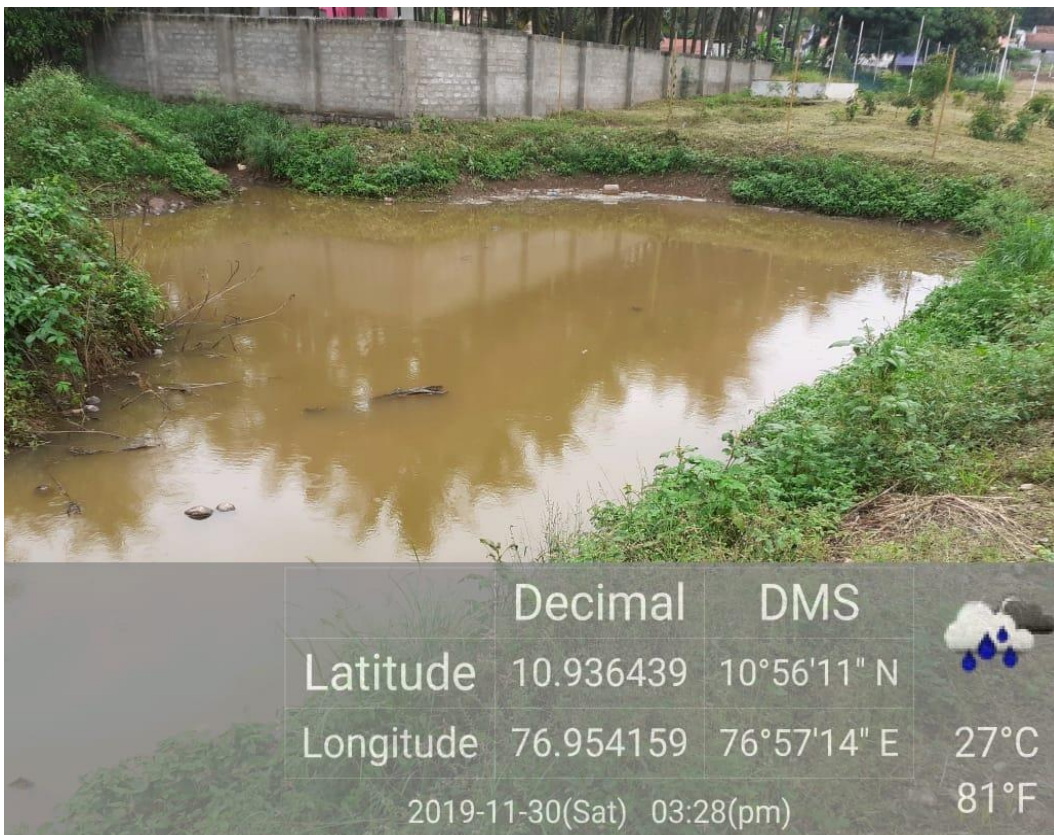
Percolation pits by deep bore holes (Dry Season)



Percolation pits by deep bore holes (Rainy Season)

Model 3: Percolation Pond

Percolation pond is the most effective runoff harvesting structure that is used inside the campus. The artificially created pond has a capacity of 20,000 litres, excavated to harvest and impound the runoff from the catchments for a longer time, thereby recharging the ground water storage in the zone of influence of the pond.



Runoff collection Pond

Model 4: Perforated Drain Channel:

Perforated land drain is used to collect water through the small holes located around the pipe; these holes allow water to seep from the ground into the pipe and be carried away over the drains directly into the drainage channels. This finally reaches the sewage treatment plant operated inside the campus. Here, the



collected water is treated efficiently and reused for gardening, vehicle cleaning and toilet sanitation.



Perforated Drain Channel Slabs (Close view)



Perforated Drain Channel Slabs (Long view)

Majority of Rainwater Runoff within the campus is efficiently used to recharge the ground water, due to which no water has been stagnated within the campus. This, further helped in ameliorating the environment of the campus. The daily water requirement of the college is met from the bore wells.





Multiple sewage treatment plants located throughout the campus.



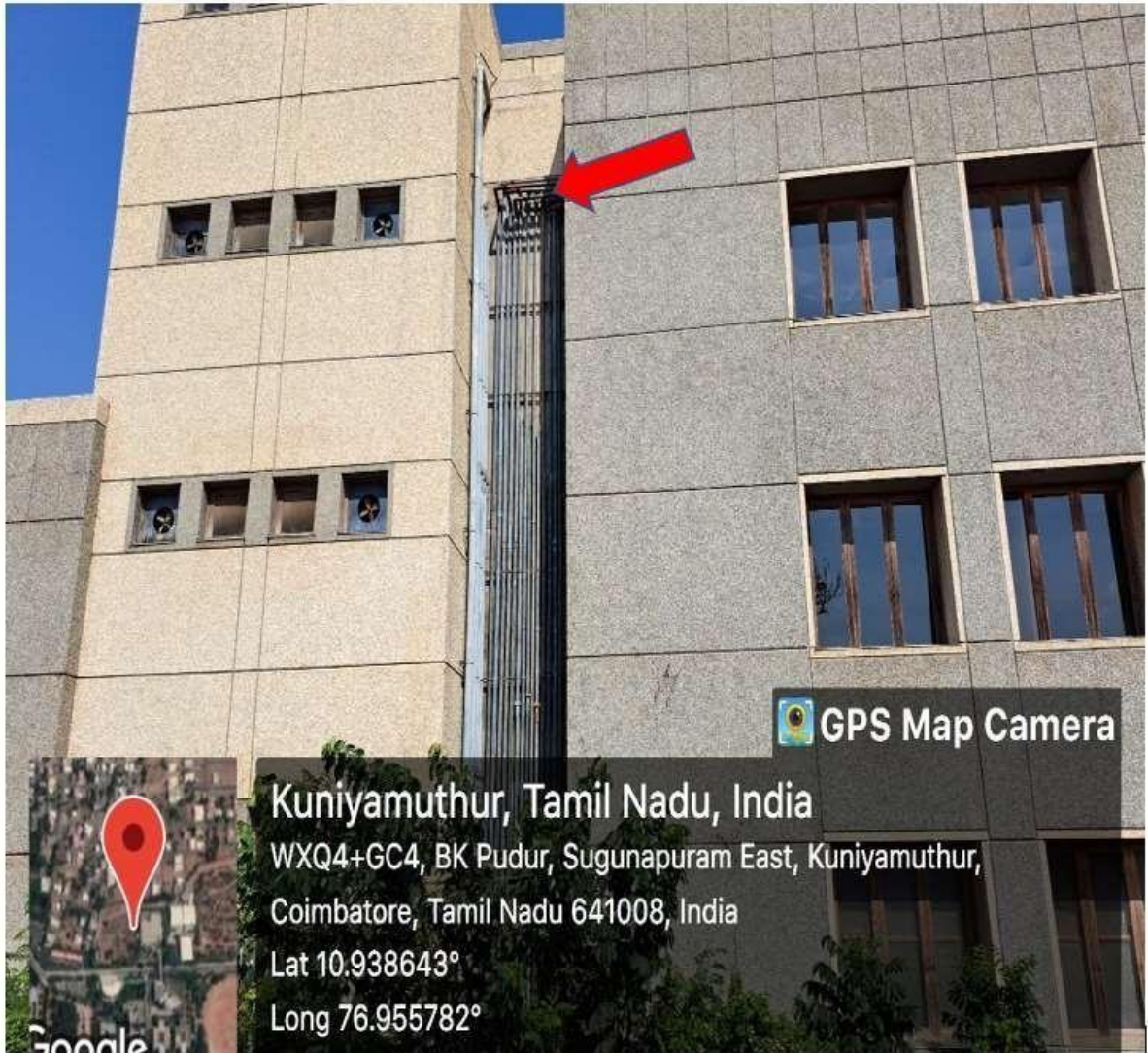
Distribution system

The water from bore well is pumped to ground level tank to overhead tank and is stored and distributed throughout the campus. The water is distributed through well laid pipe network to all areas inside the campus. Entire distribution system is well supervised by Civil works committee to ensure that there are no leakages and wastage of precious water through joints, valves etc. Maintenance of distribution system is taken care by the dedicated staff members (Plumbers). Whenever the problems are identified immediate actions are taken to avoid wastage of water. Drinking water is supplied from the institute Reverse Osmosis (RO) plant through water containers regularly based on the seasonal demand.



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution | Approved by AICTE | Affiliated to Anna University
Kuniamuthur, Coimbatore - 641008





RO PLANT

Distribution of water cans from RO plant



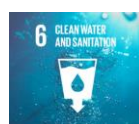


SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution | Approved by AICTE | Affiliated to Anna University

Kuniamuthur, Coimbatore - 641008

BILLS FOR THE ESTABLISHMENT OF FACILITIES





HAYMAN

ENVIROMENTAL ENGINEERING PRIVATE LIMITED

Excellence we repeat – which is not an act but habit

First Floor A, Sree Kumaran Silver Park, Perundurai main road,

Opp AET school, Vallipurathanpalayam Post,

Erode - 638 112, Tamilnadu

Mobile: +91 94430-10794

Email: haymaninternational@gmail.com, www.hayman.ir

GST No. : 33AADCH9320C1Z2

Registered Office:

INVOICE

INV NO: 020/2023 - 2024

Date: 30.04.2023

Sri Krishna College of Engineering and Technology

BK Pudur, Sugunapuram East,
Coimbatore - 641042

Delivery at:

Sri Krishna College of Engineering and Technology
Coimbatore - 641042

PO NO: 601 Dated : 19-04-2022

PAYMENT SCHEDULE:

100% advance.

S.No	Item Description	HSN code	Qty	Unit	Unit Price		Total	
					Rs. P	Rs. P		
1	STP operating and maintainance charges for the month of April 2023	999433	5	Nos	21,250.00		1,06,250.00	
					Total Value		1,06,250.00	
					CGST @9%		9,562.50	
					SGST @9%		9,562.50	
					Round off		-	
					GST Total		1,25,375.00	

(Rupees one lac twenty five thousand three hundred and seventy five only)

Payment by demand draft at Erode/AT par cheque payable at all Branches/RTGS

Account Name : Hayman Enviromental Engineering Private Limited
Account No : 36071676728
Ifsc Code : SBIN0012779
Bank Name : State Bank of India
Branch : URC Nagar - Erode

For HAYMAN ENVIROMENTAL ENGINEERING PRIVATE LIMITED

Authorized Signatory

Verified
Dadheesh
& Dadheesh

Dr. D. Maruthachalam.M.E.,Ph.D.,
Professor & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 641 008.



SRI SUGUMAR CONSTRUCTION

No.5, M.G.R. Nagar, Kovaipudur, Coimbatore - 641 042.

GSTIN : 33BSYPS4443L1ZW E-mail: msugumar344@gmail.com

04.02.2023

TO

Sri Krishna College of Engineering and Technology

Kuniamuthur

Coimbatore-641008.

Name of work : NMR Work.

Bill No : 107

S.NO	DESCRIPTION	AMOUNT
	Earthwork excavation in green house for rainwater pipeline laying work. Earthwork excavation in Boys hostel near E-block for networking fiber cable laying work.	7700.00
	SGST 9%	693.00
	CGST9%	693.00
	TOTAL	9086.00

(Nine Thousand and Eighty Six Only)

M. Mani
4/2/23

Dr. D. Maniachalam, M.E., Ph.D.,
Principal & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 641 008.

M. Sukumar
(M. Sukumar)

Per Dt. 04/02/23



SRI SUGUMAR CONSTRUCTION

No.5, M.G.R. Nagar, Kovaipudur, Coimbatore - 641 042.
GSTIN : 33BSYPS4443L1ZW E-mail: msugumar344@gmail.com

10.12.2022

TO

Sri Krishna College of Engineering and Technology

Kuniamuthure

Coimbatore-641008.

Name of work : NMR Work.

Bill No : 79

S.NO	DESCRIPTION	AMOUNT
	Compound wall height increasing work flyash brick work in sri Krishna hall north side and material shifting loading using our jcb and rainwater trench depries cleaning work.	19200.00
	SGST 9%	1728.00
	CGST9%	1728.00
	TOTAL	22656.00

(Twenty Two Thousand Six Hundred and Fifty Six only)

Dr. D. Maruthachalam
12/12/22

Dr. D. Maruthachalam.M.E.,Ph.D.,
Professor & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 641 008.

(M. Sukumar)

SRI SUGUMAR CONSTRUCTION

No.5, M.G.R. Nagar, Kovaipudur, Coimbatore - 641 042.
GSTIN : 33BSYPS4443L1ZW E-mail: msugumar344@gmail.com

28.06.2022

TO

Sri Krishna College of Engineering and Technology

Kuniamutur


Coimbatore-641008.

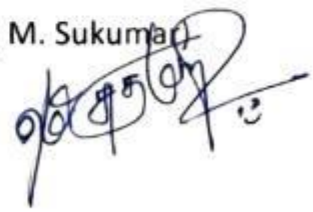
Name of work : NMR Work

Bill No : 20

S.NO	DESCRIPTION	AMOUNT
	Green house Entry side wall Brickwork 9" wall and play ground inside ms mesh & pipes shifting work. 9" wall plastering work and bore well percolation pit,Rainwater Trench cleaning.C3 block backside depries shifting using JCB.	26700.00 ✓
	SGST 9%	2403.00 ✓
	CGST9%	2403.00 ✓
	TOTAL	31506.00 ✓

(Thirty One Thousand Five Hundred and Six only)


Dr. D. Maruthachalam.M.E.,Ph.D.,
Professor & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamutur, Coimbatore - 641 008.

(M. Sukumar)




SRI SUGUMAR CONSTRUCTION

No.5, M.G.R. Nagar, Kovaipudur, Coimbatore - 641 042.
GSTIN : 33BSYPS4443L1ZW E-mail: msugumar344@gmail.com

28.05.2022

TO

Sri Krishna College of Engineering and Technology

Kuniamutture

Coimbatore-641008.

Name of work : NMR Work

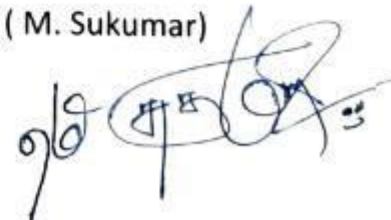
Bill No : 10

S.NO	DESCRIPTION	AMOUNT
	Pathway step brick work,Filling and plastering work.C3 block backside,ribbed slas,kerb relaying near lInd main gate,rainwater trench depries cleaning and tree cutting nearC3-block backside borewell.Green house &play House pit marking and earth work and ladies hostel roadside cleaning work.	23700.00
	SGST 9%	2133.00
	CGST9%	2133.00
	TOTAL	27966.00

(Twenty Seven Thousand Nine Hundred and Sixty Six only)


Dr. D. Maruthachalam.M.E.,Ph.D.,
Professor & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 641 008.

(M. Sukumar)





SRI SUGUMAR CONSTRUCTION

No.5, M.G.R. Nagar, Kovaipudur, Coimbatore - 641 042.
GSTIN : 33BSYPS4443L1ZW E-mail: msugumar344@gmail.com

25.04.2022

TO

Sri Krishna College of Engineering and Technology

Kuniamutture

Coimbatore-641008.

Name of work : NMR Work

Bill No : 03

S.NO	DESCRIPTION	AMOUNT
	Rainwater Trench And Bore well percolations Pit Cleaning And Removing Work From Powerhouse 1 To Ground Gateway, Arts Collage Wall Demolishing work, Rainwater Trench And Bore well percolations Pit Cleaning And Removing Work In Ladies Hostel Roadside, Rainwater And Electrical Trench Cleaning Work In C3 Block Backside, Brickwork And Plastering Work In Arts Collage, Powerhouse 1 Backside Areas Tree Cutting Work	14650.00
	SGST 9%	1318.50
	CGST9%	1318.50
	TOTAL	17287.00

(Seventeen Thousand Two Hundred Eighty Seven Only)

M. Maruthachalam
25/4/22
Dr. D. Maruthachalam, M.E., Ph.D.,
Professor & Head
Department of Civil Engineering
Sri Krishna College of
Engineering and Technology
Kuniamuthur, Coimbatore - 641 008

M. Sukumar
(M. Sukumar)