



SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD INSTITUTE OF TECHNOLOGY

Sinhgad Institutes

(Affiliated to Savitribai Phule Pune University, Pune & Approved by AICTE)

Gat No. 309/310, off Mumbai Pune Expressway Kusgaon (Bk), Lonavala Pune -410401
website: sit.sinhgad.edu

7.1.4 : Water Conservation Facilities in Campus:

Sinhgad Institute of Technology has been situated in hilly area of Lonavala. The area experiences heavy rainfall around three months of the year. The water management steps have been taken in many forms by the institute considering the valuable resource of water.

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ATTESTED


(Dr. M. S. Gaikwad)
PRINCIPAL

SINHGAD INSTITUTE OF TECHNOLOGY
Kusgaon (Bk.), Lonavala-410401



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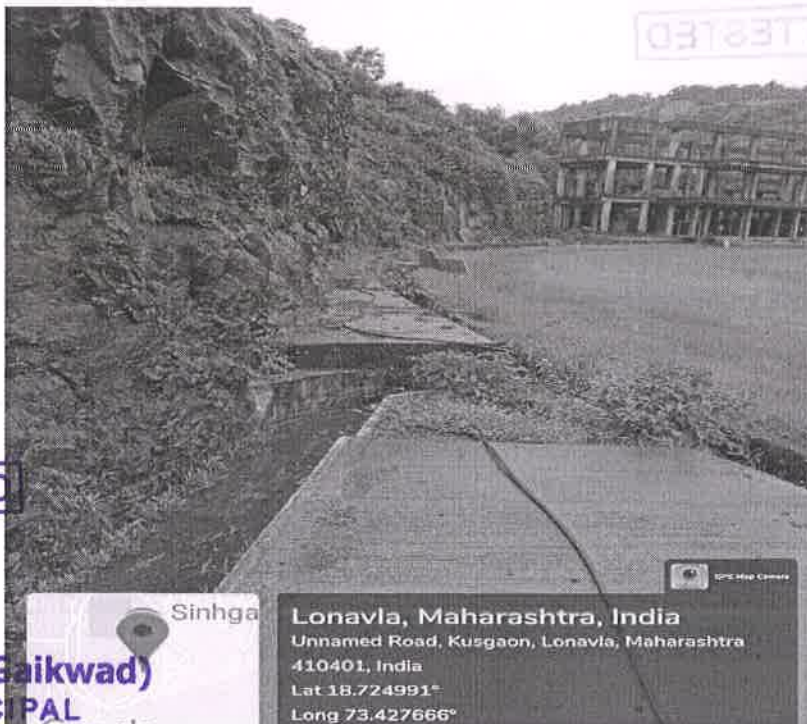
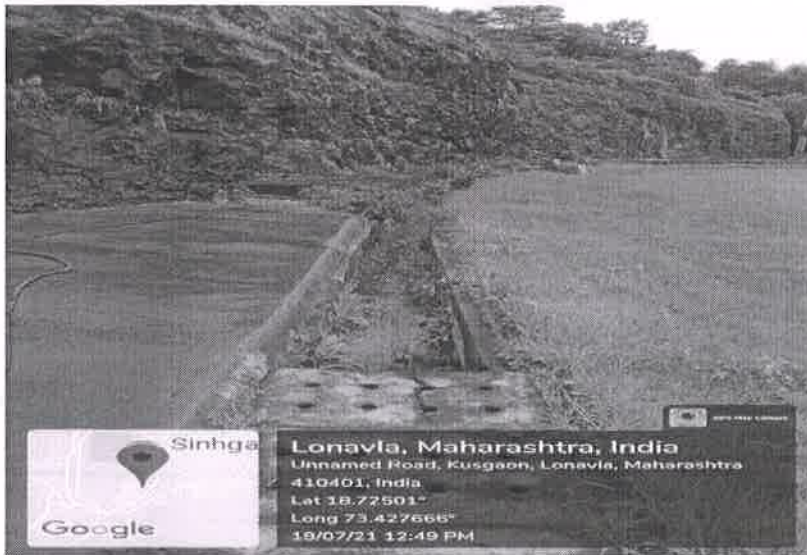
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1. Rain water harvesting

Rain water is collected and saved for general use in campus like gardening, sports ground watering etc. Various water paths are constructed throughout the campus.

Some of the prime locations are:

- a) Football Ground
- b) Cricket Ground
- c) Estate office



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**(Dr. M. S. Gaikwad)
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Water-Paths at Football Ground

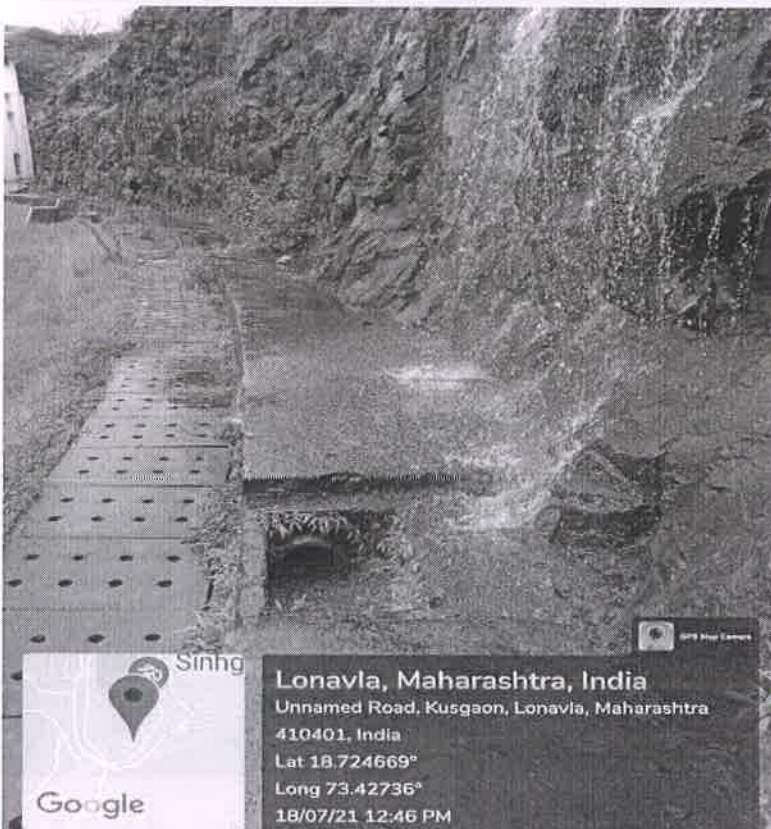
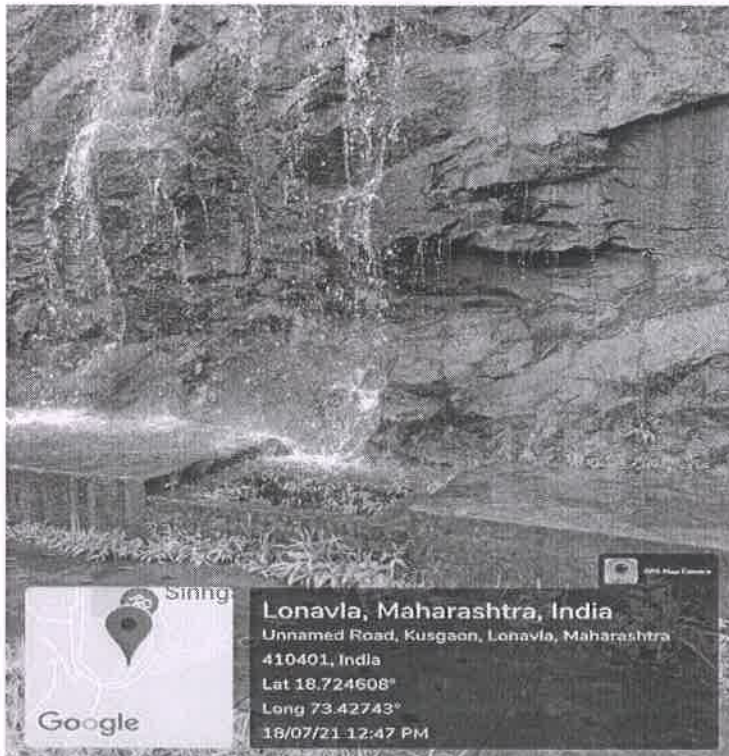


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Rain Water Collection at Football Ground

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(Signature)
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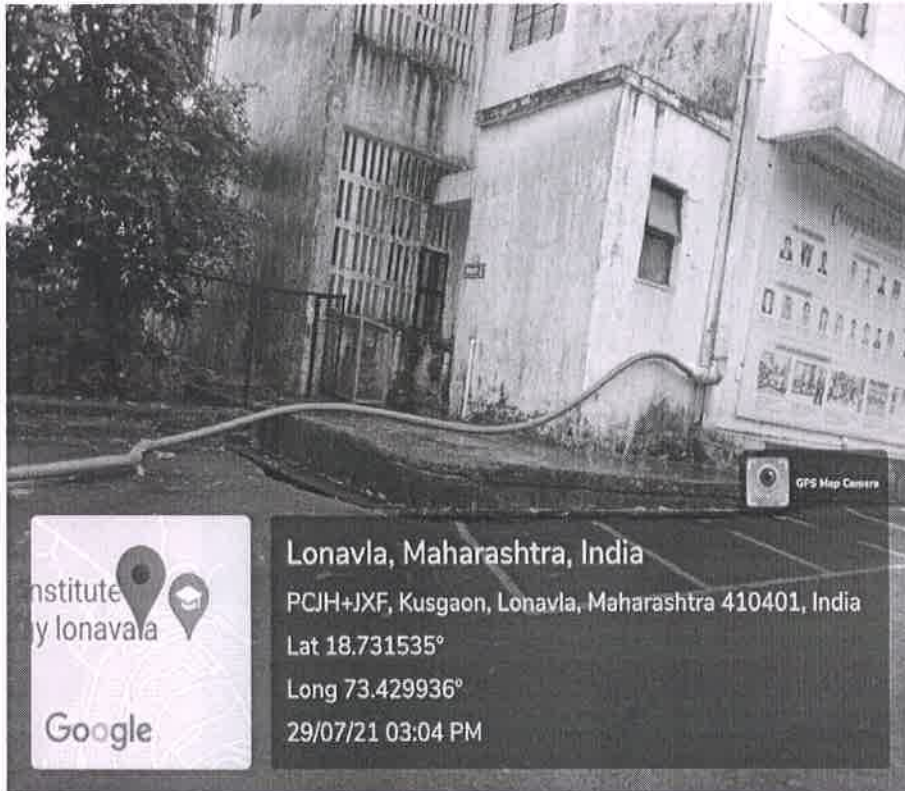


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M.S.G.

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Rain-Water collection from Roof-top

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SIT/NAAC-2022/Criteria-7/7.1.4

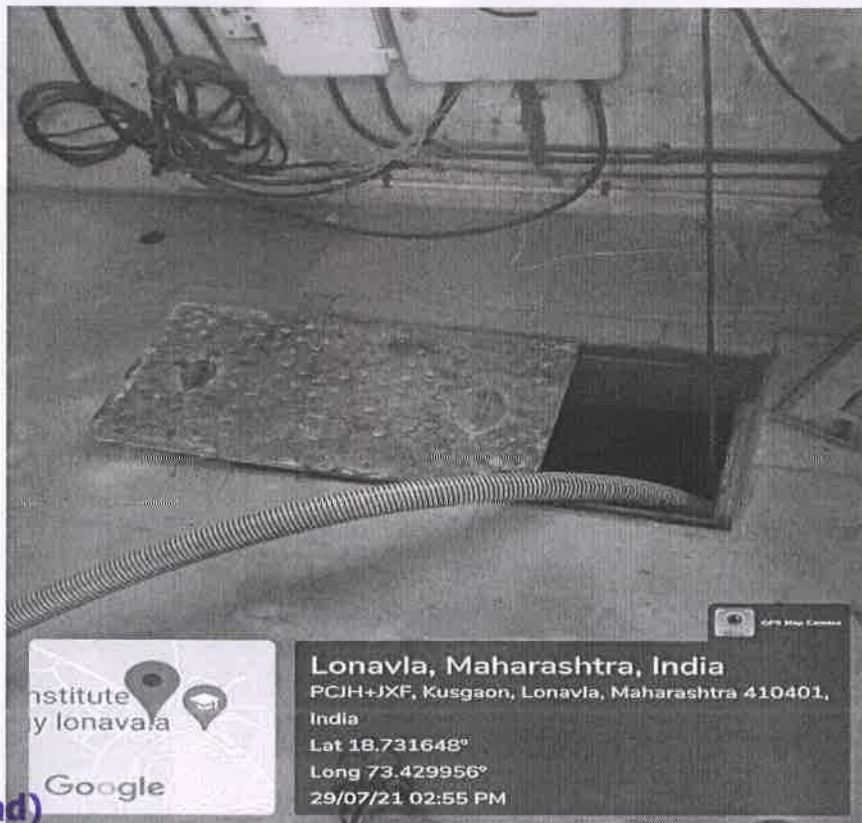
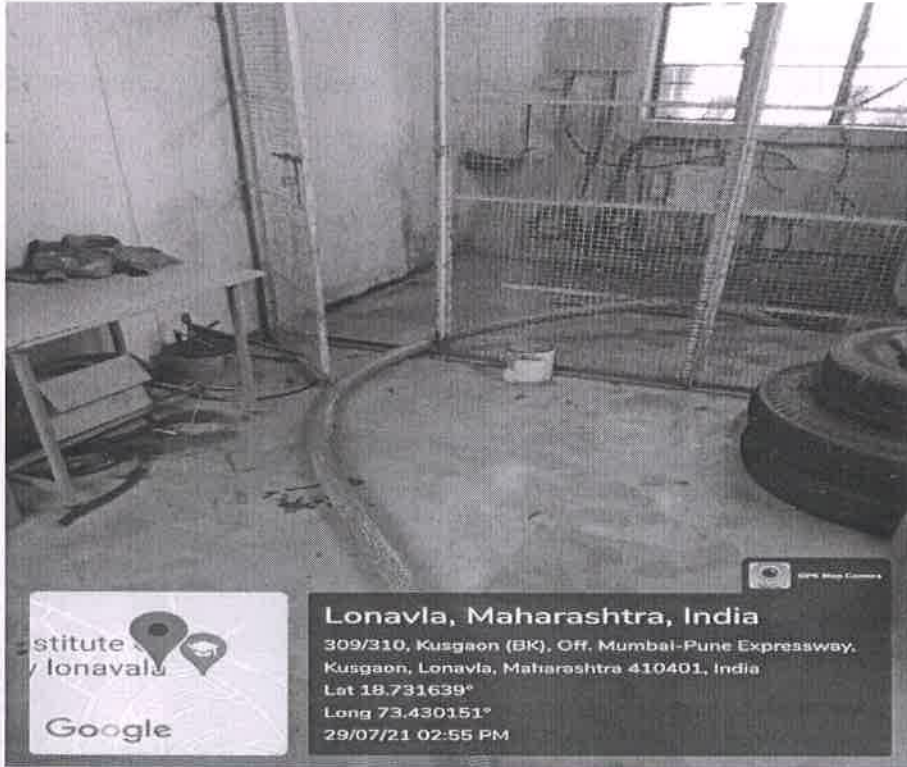


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Water Collected at Security Office Tank

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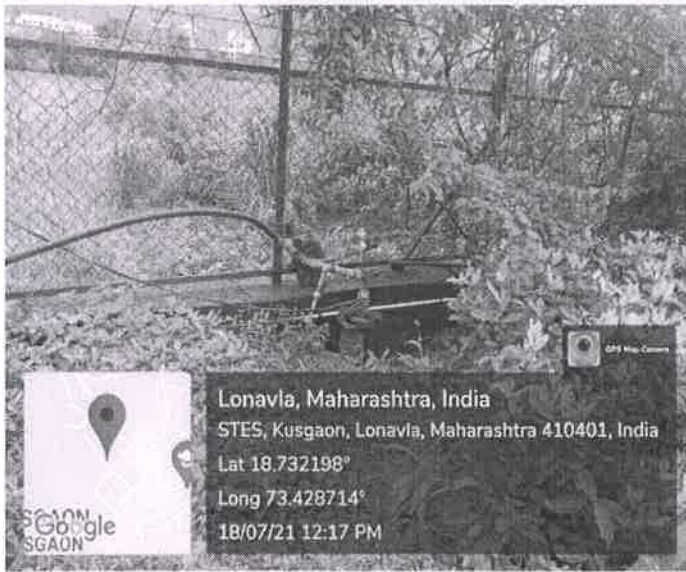
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2. Borewell /Open well recharge

Apart from rain water harvesting, 6 numbers of borewell are provided in the campus at following locations:

- a) Corporate Taring Centre
- b) STES Main Canteen
- c) Sajjangad Hostel Entrance
- d) Kalyan Shoppe
- e) Football Ground



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Bore-wells

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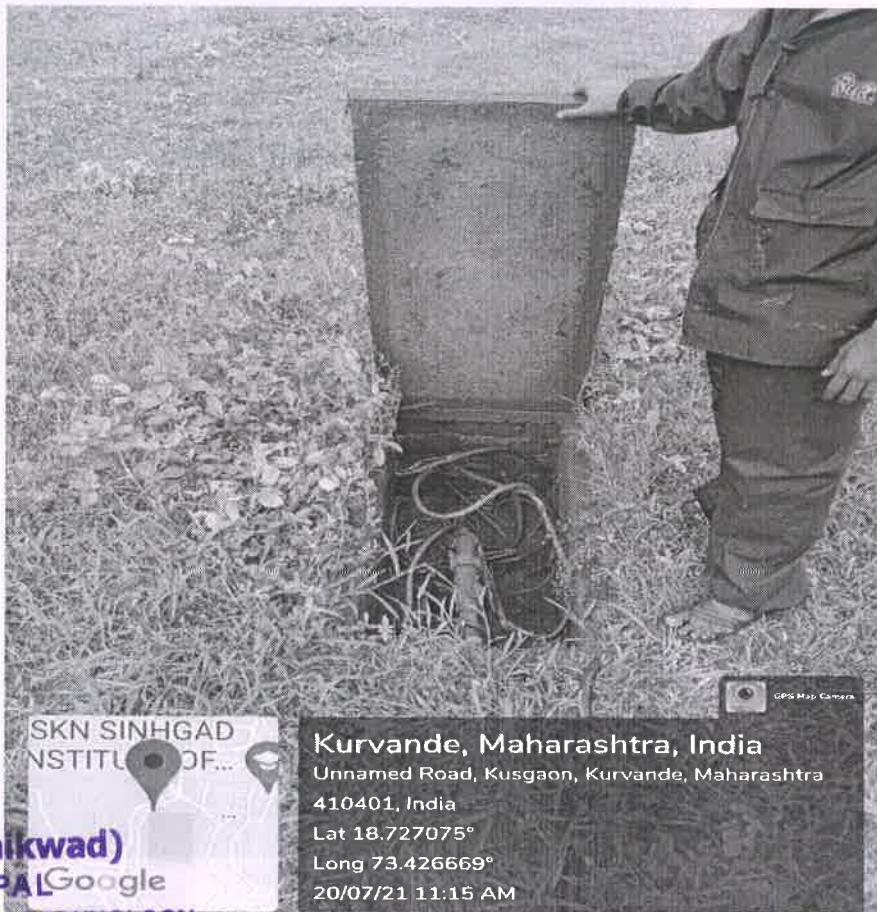
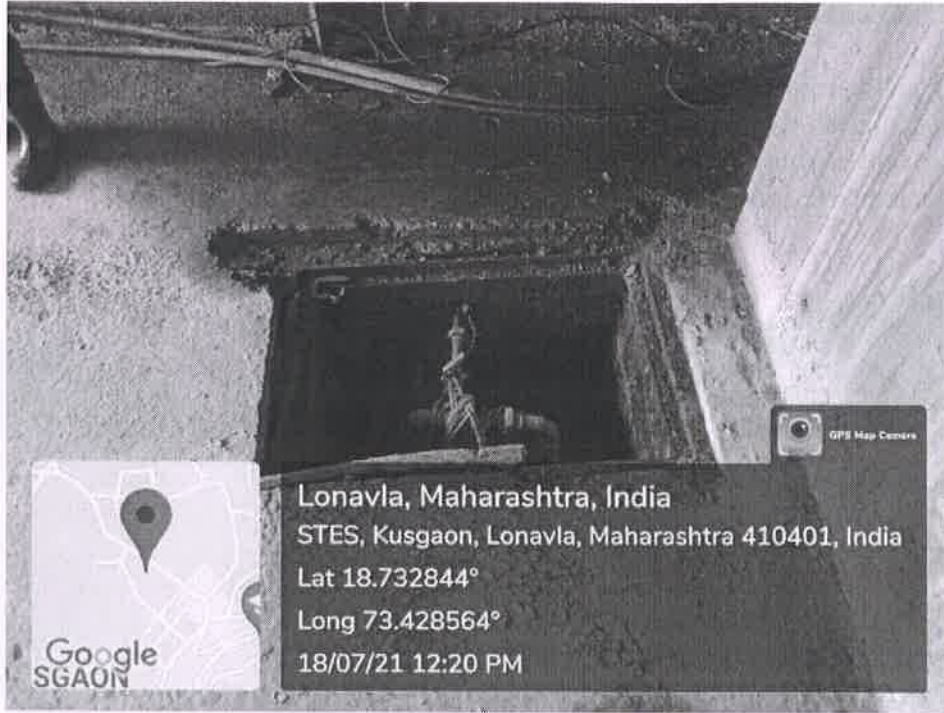
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Bore-Wells

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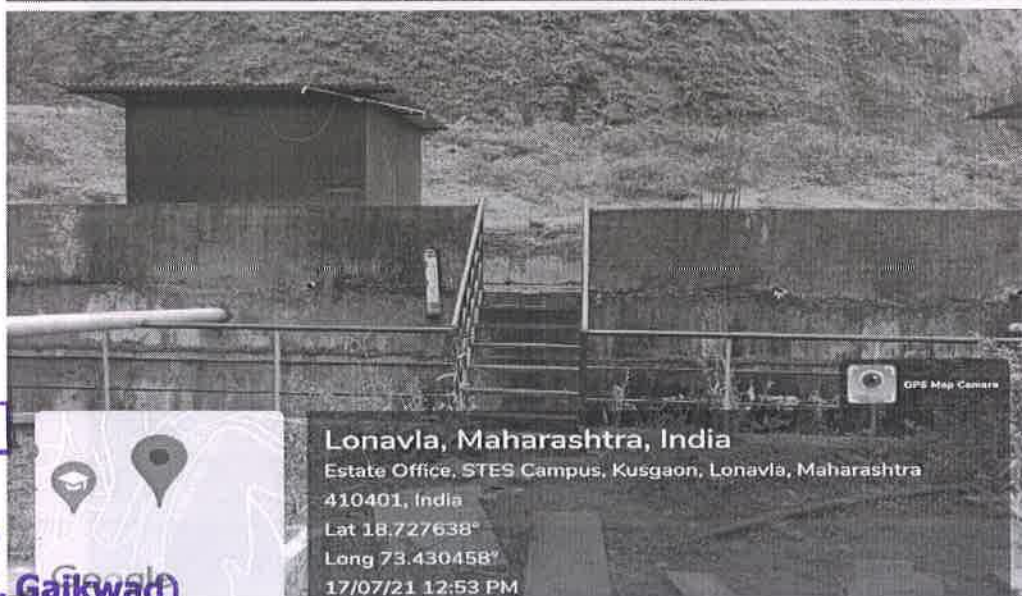
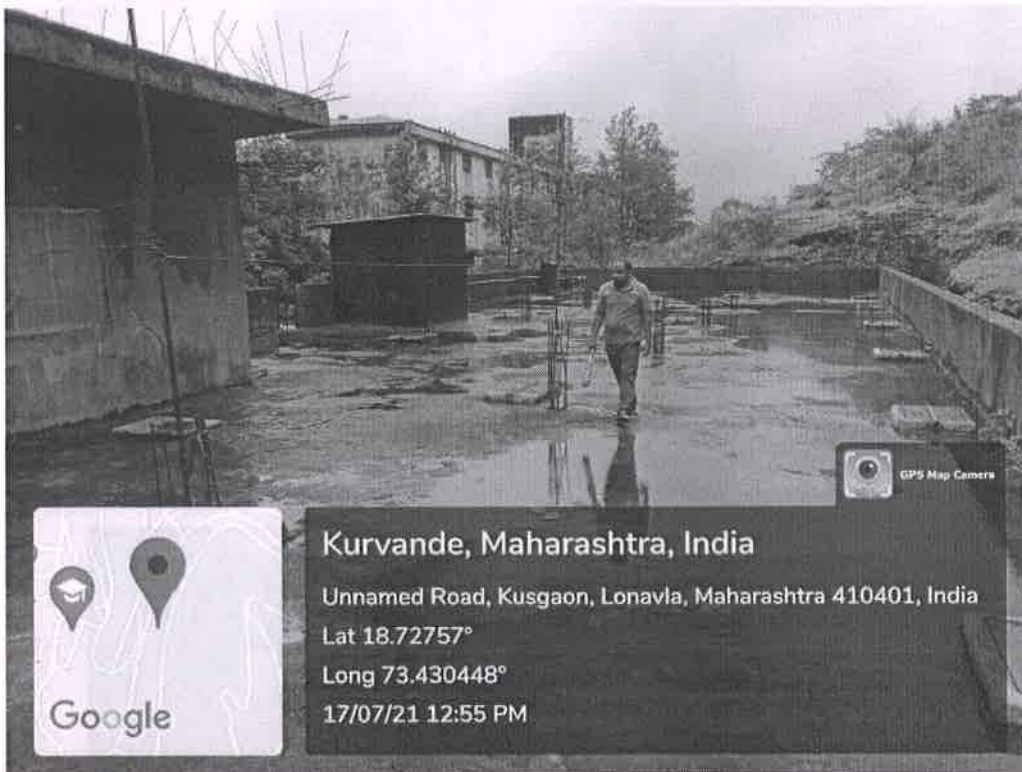
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3. Construction of tanks and bunds

There are 3 main tanks constructed in the campus worth capacity of storing 20 lakhs litre of water. Two tanks are constructed near estate office. They have capacity of 14 lakh litre and 5 lakh litre. One tank of 1 lakh litre capacity is constructed underground at Security office. Apart from these main tanks, few storage tanks are also built for water management.



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Water Storage Tank (14 lakhs liter)



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4. Waste Water Recycling:

Brief History

When the buildings were few, the effluent from bathroom & kitchens and sewage from WC was being disposed off through septic tanks and soakage pits. Later on mini compact sewage plants were used. However, due to increase in load, a sewage treatment plant of capacity 3.5 lakh liter/ day was installed. In due course with further increased in the load, 10 lakh liter/day capacity sewage treatment plant has been erected. Treated water from this STP is being used for gardening and constructions purposes.

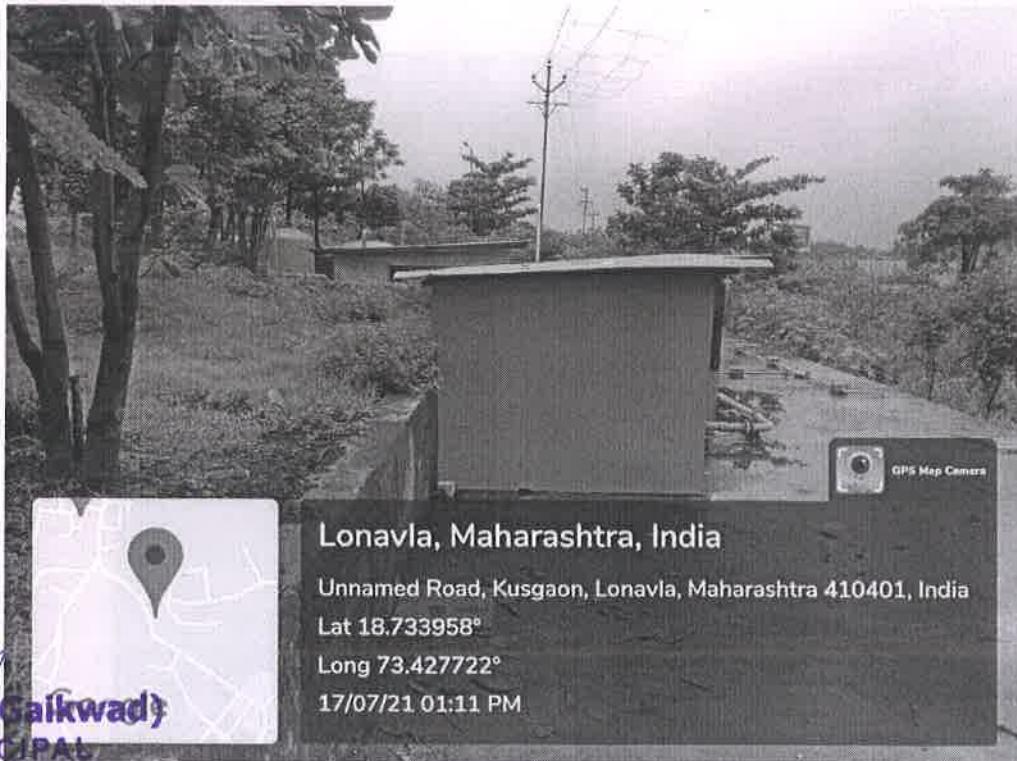
Plant of Equipment:

Sewage collection tank : 2.31 lakh liters - U. G.
FAB Reactor : 3.52 lakh liters U. G.
Secondary Tube Settler tank : 0.77 lakh liters U,G,
Sludge digester tank : 1.485 lakh liters U.G.
Chlorine contact tank : 1.485 lac litres - U.G.
Pressure sand filter : 10 lakh liters/day.
Activated Carbon Filter : 10 lakh liters / day
Air Blower : 3 OHP (2 Nos)

Centrifugal pumps : 5 HP 2 Nos
: 3 HP (2 Nos)
: 10 HP (2 Nos)

Hypo dozing tank with dozing pump: 0-10liter/Hour cap. - 1 No.

Submersible pump to lift the treated water for Gardening: 15 HP – 1 No



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Waste-Water Recycling Plant



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5. Maintenance of water bodies and distribution system in the campus

Establishing water treatment plant for this scheme:

This water supply scheme comprises of lifting of raw water from Valvan dam to water treatment plants of MJP in our campus, where it is filtrated and chlorinated and supplied to Kusgaon, Dongargaon and to our campus. MJP has a sump and pump house to lift water at the down stream of Valvan dam.

At present this scheme is operated and maintained by Maharashtra Jeevan Pradhikaran (MJP) and we have to pay to them for water supplied to us as per their charges.

Present requirement is 18 lakh liter/day which is sanctioned by MJP and they are supplying the same.

Source

Valvan dam through MJP.

Present requirement: 18 lakh liters/ day

Availability: 18 lakh litters/day

Storage Capacity

UG Sump :1 lakh Litres

UG Sump :5 lakh Litres

UG Sump: 14 lakh Litres

Ground Sump: 1 lakh Litres to utilize back wash water of filters for gardening/ construction.

Plant and Equipment:

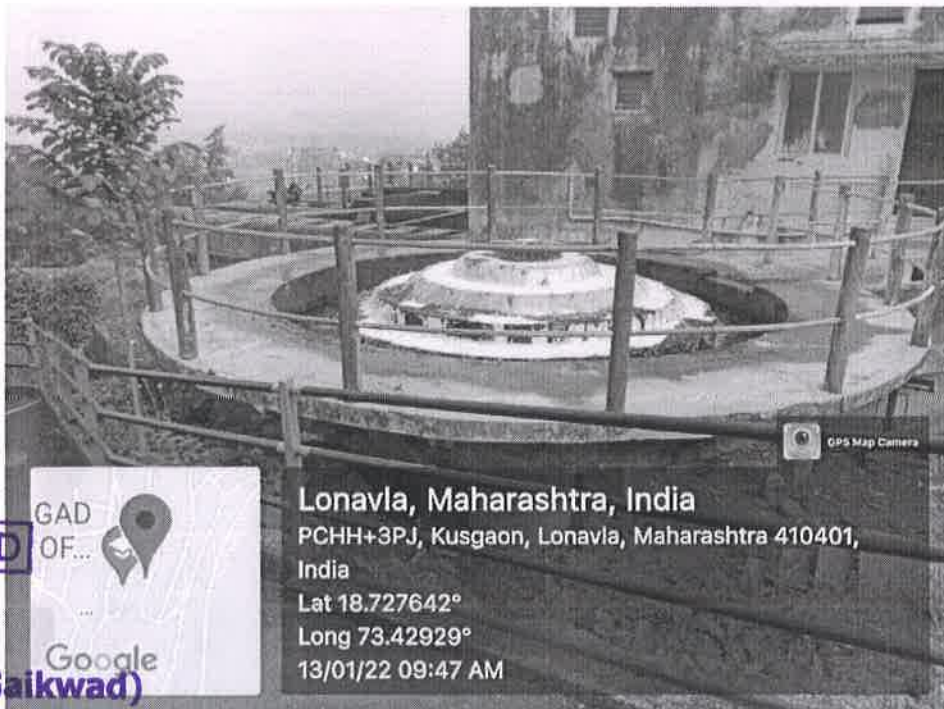
1 No 33 HP submersible pump at Valvan dam sump of MJP

6 Nos 25 HP pumps in campus

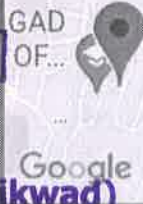
3 Nos 5 HP pumps in the campus

3 Nos 5 HP pumps in Tube well

6 Nos 3 HP pumps in campus



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Water Treatment Plant

**SINHGAD INSTITUTE OF TECHNOLOGY
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6. Bills

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**Dr. M. S. Gaikwad
PRINCIPAL
SINHGAD INSTITUTE OF TECHNOLOGY
Kusgaon (Bk.), Lonavala-410401**



SINHGAD TECHNICAL EDUCATION SOCIETY

(Regd. No. MAH / 7199-93 / Pune dt. 6/7/93 & F-8282 (Pune) dt. 12/8/93)

19/15, Erandwane, Smt. Khilare Marg, Off Karve Road, Pune - 411 004

Telefax : (020) 2545 4008 E-mail : stes@sinhgad.edu Website : www.sinhgad.edu

PROF. M. N. NAVALE
M.E. (ELECT) MIE., MBA
FOUNDER PRESIDENT

DR. (MRS.) SUNANDA M. NAVALE
B.A., MPM, Ph.D.
FOUNDER SECRETARY

P.O.No.P- 15 /12-13

Date :- 18.04.2012

To,
M/s. CMG Associates
Aashirwad Building, 16, 4th Floor,
Next to Vithoba Temple, Sion (w),
Mumbai:- 400 022.

Sub :- Provision of Tank for Sewage Treatment plant for STES at Kusgaon, Lonavala .

Sir,

This has reference to your quotation No.Nil dated 10.04.2012 and subsequent discussion you had with our Project Manager and we are pleasure in placing the Work Order for the above mentioned works at the rates and conditions mutually agreed..

The work is to be executed to the entire satisfaction of the undersigned and adhering to the specifications stipulated in the Annexure I. The work is to be completed within the period of 03 months i.e. by 18th July 2012.

The undersigned, agrees with the estimated cost of Rs. 1,00,41,840.00 (Rupees One Crore Forty One Thousand Eight Hundred Forty only.) as per Annexure - I enclosed. However, the payment shall be made as per the actual measurements jointly recorded and accepted.

Basic rate of material taken in to account are as follows :

- | | |
|-----------|--------------------------|
| i. Cement | : Rs.300.00 per bag. |
| ii. Steel | : Rs. 50,000.00 per Ton. |

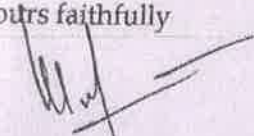
Variation if any in the prices of the above materials shall be financially adjusted.

Unit rate quoted is inclusive of all taxes and duties and no extra payment is allowable on account of any tax / duties and WCT, VAT.

Please return copy of this Work order with Annexure I duly signed in token of your acceptance.

Thanking you,

Yours faithfully


M.N.NAVALE
PRESIDENT
Encl : Annexure - I

ATTESTED


(Dr. M. S. Gaikwad)
PRINCIPAL
SINHGAD INSTITUTE OF TECHNOLOGY
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Sinhgad Institutes

Celebrating 25 Years

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Office - Gst No. 309 & 310, Kusgaon (Bk.) Off Mumbai - Pune Express Highway, Lonavala.
Dist. Pune - 410 401. Tel - O: (02114) 673333, 673331, Telefax: (02114) 673399. E-mail: principal@stet.sinhgad.edu

Regd. Office : S. No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune - 411 541.
Telefax : (020) 24354721, 24354770, E-mail : stes@sinhgad.edu Website : www.sinhgad.edu

Prof. M. N. Navale
M.E. (ELECT.) MIE., MBA,
Founder President

Dr. (Mrs.) Sunanda M. Navale
B.A., M.B.M., Ph.D.
Founder Secretary

Dr. M. S. Gaikwad
M.E., Ph.D. (Electronics Engg.)
Campus Director

STES/LON/OFF/2021-22/WO.NO/23

Date: 16/06/2024

To,
M/s. Ecorich Engineers
S. No.27/28, Flat No.A212,
Vardhaman Vatika opp. Saundaryam hotel,
Thergaon, Pune 411033.

Sub: - Annual Maintenance Contract for Operation and Maintenance of 1 MLD Sewage Treatment Plant at STES Kusgaon (BK), Lonavala

Sir,

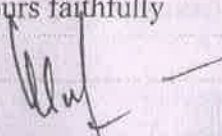
This has reference to your quotation no. EF/QTN/2021-22/06/23, dated 05.06.2021 and subsequent discussion you had with our Project Engineer and we have pleasure in placing the Work Order for the above mentioned works at the rates mentioned in Bill of Quantities - Annexure - I.

The undersigned, agrees with the estimated cost of Rs. 47,000/- per Month exclusive GST (Rupees Forty Seven Thousand only) as per Annexure - I enclosed. However, the payment shall be made as per the actual measurements jointly recorded and accepted.

Unit rate quoted is inclusive of all taxes and duties, except GST and no extra payment are allowable on account of any tax/ duties.

Please return copy of this Work order with Annexure I duly signed in token of your acceptance.

Thanking you,
Yours faithfully



PRESIDENT/VICE PRESIDENT

Encl: Annexure - I

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(Dr. M. S. Gaikwad)
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CAMPUS DIRECTOR
STES, LONAVALA

ECO-RICH ENGINEERS

S.No.27/2B, Flat No. A - 212, Vardhaman Vatika, Opp. Saundaryam Hotel, Thergaon Road,
Thergaon, Pune - 411 033 Ph: - 9766886596, E-mail. ecorichengg@gmail.com

GST INVOICE

M/s Eco-Rich Engineers. S.No.27/2B, Flat No.A- 212, Vardhaman Vatika Opp. Saundaryam Hotel, Thergaon Road, Thergaon, Pune - 411 033.		Invoice No.EE/20-21/02/190	Date:-01/02/2021		
		PO. No:- STES/LON/OFF/2020- 21/WO.NO/16	Date:- 17/07/2020		
To, M/s Sinhgad Technical Education Society 19/15,Erandwane,Smt.Khilare Marg, Off karve Road, Pune-411004. (Campus Kusgaon-Lonavala)		Kind Attn : Mr. Vijny Vasekar.			
		Designation: Maintenance			
		Mob No. : 9881207593			
		E-mail : vijnyvasekar@sinhgad.edu			
		GST No : 27AABTS9900Q1ZS			
Subject: - Bill for Operation & Maintenance of STP.					
Reference: Purchase Order No. STES/LON/OFF/2020-21/WO.NO/16 Date. 17/07/2020.					
Sr. No.	SAC Code	Description	Rate	Quantity	Amount in Rs.
01	999411	Bill against Operation & Maintenance of STP for the month of JAN, 2021.	44,915.26	01	44,915.26
Total					44,915.26
CGST@9%					4042.37
SGST@9%					4042.37
Total Amount					53,000.00
Total Amount in words: Rupees Fifty Three Thousand Only.					
GSTN: 27ACQPW7378B1ZW		FOR ECO RICH ENGINEERS Proprietor			
PAN No. ACQPW7378B					
Bankers: HDFC BANK LTD., Near PCMC Auditorium Chinchwad, Pune - 4110 33.					
A/c No. : 12277630000743					
I/We hereby certify that my/ our Registration Certificate under the GST Act 2017 is in force on the date on which the sale of good specified in this tax invoice is made by me / us and that the transaction of sale covered by this tax invoice has been effected by me / us & it shall be accounted for in the turnover of sales while filling of return & the due tax, if any payable has been paid or shall be paid					

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Founder President

Dr. (Mrs.) Sunanda M. Navale
B.A., M.P.M., Ph.D.
Founder Secretary

Dr. Parag Kalkar
M.Com, MMS, F.D.P. (IIMA) Ph.D
Campus Director

STES/LON/OFF/16-17/PO.NO/38

Date: 16 /05/2016.

To,
Arihant Trading Co.
14, Shivamrut Appts, Bhusari Colony,
Paud Road, Kothrud, Pune - 411 038
Tel. No.020 25285820

**Sub: Providing & laying of 4HP/25stg. KSB make sub pump set, HDPE 1 1/2" pipe, 4 sqmm
4 core copper cable, 2.5 sqmm cable for new bore well at Gat No. 308 for STES Kusgaon
(BK), Lonavala.**

Ref: - Your quotation No. 170R, dated 11/05/2016

Sir,

With reference to your quotation for below mentioned item, we are pleased to place order for the same as per the details given below:

Sr. No.	Description	Qty.	Unit.	Rate (Rs.)	Total	Less 6% dis.
1	4 Hp/ 25stg KSB make sub pump set (TP) Head 78 to 148Mtr., Die 6 m3 to 2 m3 At 124 Mtr, Dis 4 m3/hr	01	set	27310	27310	25671.40
2	Supply & erection of 1 1/2" HDPE pipe with fitting Mahashakti make ISI PE 63 PN 8.	130	Mtr	300	39000	36660
3	1 1/2" HDPE Nipple	2	Nos.	200	400	376
4	1 1/2" HDPE Clips	4	Nos.	35	140	131.60
5	1 1/2" G I bend socket Nipple	1	set	250	250	235
6	1 1/2" M. S. patti with nut bolts	2	Nos.	220	440	413.60
7	1 1/2" N R V Guide make	1	No	1400	1400	1316
8	2.5 Sq. mm Cable	130	Mtr.	75	9750	9165
9	Cable joint kit	1	No	190	190	178.60
10	Control panel with voltmeter Ammeter & dry run protecton (TP)	1	No	4800	4800	4512
11	Bore cap	1	No	180	180	169.20
12	S. hook	2	Nos	15	30	28.20
13	Nylon rope 10 mm	385	ft	5	1925	1809.50
14	Supply & erection of 1 1/2" HDPE pipe with fitting Mahashakti make ISI PE 63 PN 8.	480	Mtr.	300	144000	135360

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Continue Page No. 02...


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