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7.1.4- Water conservation facilities available in the institution

Rain water harvesting	Bore well / Open well recharge	Construction of tanks and bunds	Waste water recycling	Maintenance of water bodies and distribution system in the campus
Yes	Yes	Yes	Yes	Yes

Aditya College of Engineering maintains various water conservation facilities in the campus.

S.No	Tanks and bunds /Soak pit	Available No.	Capacity in Liters
1	Tanks and bunds	2	1,13,23,076
2	Soak pit	4	94,648
	Total Storage capacity		1,13,97,724

Rain Water Harvesting:

Aditya College of Engineering has a good practice of harvesting the rainwater collected from roof top area (14193 Sq.m) in 2 ponds and 4 soak pits constructed. The college campus has a scientifically well- equipped rainwater harvesting unit facilitated by an ideal set up. The rainwater from top of the roofs is collected through proper network of pipes. This network is instrumental of storing the water in soak pit/bunds with the capacity of 1,13,97,724 liters.

Bore well / Open well recharge:

There are **four** bore wells available in the campus to supply of the water for regular usage. Currently the ground water is available within the depth of 100 ft. The bore wells are sufficiently recharged through soak pits, so as to retrieve required water throughout the year. Due to the measures taken in terms of water harvesting system ensured that all the bore wells are always kept recharged and hence the campus has never felt scarcity of water.

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Construction of tanks and bunds

There are 2 (two) tanks and bunds available in the campus with a size of 100 ft. length X 150 ft. width X 8 ft. depth and 90 ft. length X 200 ft. width X 8 ft. depth which can store 1,13,26,738 liters of water.

Waste water recycling: Sewage Treatment Plant (STP) for waste water recycling:

The institute maintains two STPs with the capacity of 20000 liters water recycling and usageby the students in the hostel. Other water redirected to fields and ponds.

Maintenance of water bodies and distribution system in the campus:

The institute has proper network of pipes to collect the rainwater from top of the roofs. There is a well connected pipes network water delivery system to distribute the water for each floor of the various buildings.

S.No	Proof of Documents
1	Rain water harvesting
2	Bore well / Open well recharge
3	Construction of tanks and bunds
4	Waste water recycling
5	Maintenance of water bodies and distribution system
	in the campus



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Aditya College of Engineering
SURAMPALEM-533 437

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1. Rain water harvesting Location- Ramanujan Bhavan





Water tank for Rain water conservation

Rain water harvesting pit in Ramanujan Bhavan



Pipe lines from roof top to recharge pits
Signed by: Adireddy Ramesh
Reason: Self-Attestation
Location: Kakinada, India
Date: 22-Jun-2023 (02:37 PM)

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2. Bore well / Open well recharge Location- Ramanujan Bhavan





Bore well and Open Well Recharge in Ramanujan Bhayan



Bore well Near James Watt Bhavan



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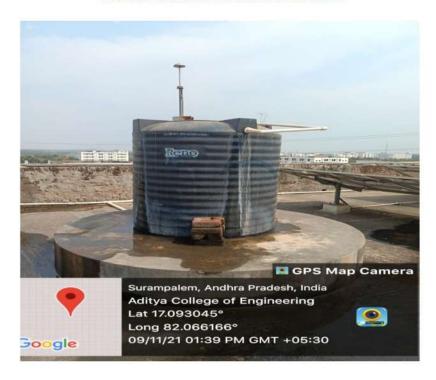
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph. 99631 76662.

3. Construction of tank and bunds Location-Ramanujan Bhavan





Construction of Tanks and bunds for maintaining water conservation facilities



Tank on top of James Watt Bhavan



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4. Maintenance of water bodies in the campus





Maintenance of water bodies in the campus



RO plant near Boys Hostel



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Water distribution system in the Ramanujan Bhavan



Water distribution system in James watt bhavan



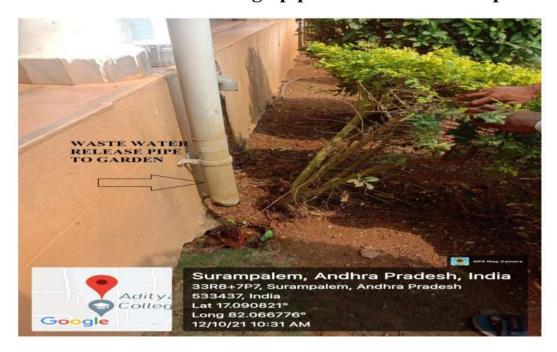
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5. Waste water recycling system



Waste water collected trough pipe and distributed to plants



Waste water pipe line for plants



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Sewage Treatment Plant (STP) with 20000lit capacity



STP collecting tank



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Bills

GSTIN: 37ABIPV7479B1Z4
HANUMAN CONSTRUCTIONS

FLOT NO. 102, D NO. 7-20-9/1/4, MAYURI PREM BAGH, KIRLAMPUDI LAYOUT CHINNAWALTAIR VISAKHAPATNAM ANDHRA PRADESH - 530017 Email: hanumanconstructions5@gmail.com

Date

Cell: 9346295399

BILL TO

NAME : Aditya College of Engineering

ADDRESS: Aditya Nagar, ADB Road, Surampalem,

East-Godavari District,

Andhra Pradesh, INDIA. : Surampalem

PINCODE: 533437

SNo	Description	Volume	Unit cost (per m³)	Quantity	Amount
1	40 mm coarse aggregate	5 m³	Rs 3840	5000 kg	Rs 19200.00
2	20 mm coarse aggregate	2.5 m ³	Rs 2880	2500 kg	Rs 7200.00
3	Sand or Fine aggregate	1.5 m ³	Rs 4092	1500 kg	Rs 6138.00
4	Earth work (labour)	10 m ³	Rs 250		Rs 2500.00
			Sub tot	al amount	Rs 35,038.00
				G5T 18%	Rs 6306.84
			Tot	al amount	Rs 41,344.00

on Hanuman Constructions

Proprietor

* SURA

PRINCIPAL. Aditya College of Engineering SURAMPALEM-533 437

^{*}This bill is for the construction of Recharge pit including the material and labour prices

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Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph. 99631 76662.

Borewell Bill

LAKSHMI GANESH EN C.R.I. PUMPS AU # 20-1-41, Opp. Ramalayam, Pasilavari Street	THORISED DEA et, PEDDAPUR	ALER RAM -	WOR	E.G.Dist.,
Serial Number: 34 Bill of S Date of Issue: 16 06 2021 Cash / 0 DETAILS OF	upply Credit	AMPOS	State :	Andhra Pradesh ode : 37
Name Aditya College Address: Surantalen	the second secon			FD 3342 RH 243
SI. Description of Goods	HSN Code	Qty.	Rate	Amount
OCRI7.5 HP MOLOY. 8. SLager S.Ph. W. 6 Model 65.D POMR. S&No!- 10220K14484 10221A16367		2		78,000/-
(2) CR. 8. HP Motor, 8. Stage PUMP 3. PLW V/6 Mode) 50 P PUMP. SY. Not 10821C23126	84138 180	(A)	-	33,500/-
n, Q		Т	OTAL	1,11,500/
Total Invoice Amount in words :	6			1,11,500
Bank Details: Bank A/c. No.: 62423549335 IFSC Code SBIN0000897 STATE BANK OF INDIA, PEDDAPURAM Terms & Conditions Goods once sold cannot be taken back or exchanged Subject to Peddapuram Jurisdiction only	For LAKSHM	alli f		RING WORKS



Signed by: Adireddy Ramesh Reason: Self-Attestation Location: Kakinada, India Date: 22-Jun-2023 (02:37 PM) PRINCIPAL

Aditya College of Engineering SURAMPALEM-533 437

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Construction of Tanks and Bunds

	NALAM SA Sona Sanitary D.No. 1-18-8,	Sriram	ya Pip Nagar, K	es, Ashir AKINADA -	and Dina	Cell: 98486 25 USE s
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PRINCIPAL
Aditya College of Engineering

e Sign



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Aditya College of Engineerin SURAMPALEM-52



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Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph. 99631 76662.

PADMALAYA REFRIGRATION WORKS & SERVICES

D.No:36-6-11, Near Sai Krishna Theater, Innespeta, Rajahmundry

Tin No: 28850263909 CST No: KDA/10/1/1906

Customer Details	Invoice No: 550	Date:07-09-2020
Aditya College Engineering Surampatem Ph:99498 76662		

S.No	Model No	Description	Qty	Unit Price	VAT%	Amount
1	SDLH 150150		1	43,500.00		43,500.00
		Total (Inclusive of VAT @ 14.5%)				43,500.00

Rupees:

FORTY THREE THOUSAND FIVE HUNDRED RUPEES ONLY

For Padmalaya Refrigration Works & Services

Authorized Signatory

· Goods once Sold cannot be replaced or returned

· All disputers subject to Rajahmundry Jurisdiction only

E & O.E



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Aditya College of Engineering SURAMPALEM-533 437

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Cell: 9346295399

14/12/2019

Date

GSTIN: 37ABIPV7479B1Z4 HANUMAN CONSTRUCTIONS

FLOT NO. 102, D NO. 7-20-5/1/4 MAYURI PREMBAGH KIRLAMPUDI LAYOUT CHINNA WALTAIR VISAKHAPATNAM ANDHRA PRADESH - 530017 Email henumanconstructions5@gmail.com

BILL TO

NAME : Aditya College

ADDRESS: Aditya Nagar, ADB Road, Surampalem,

East-Godavari District,

Andhra Pradesh, INDIA.

: Surampalem PINCODE: 533437

ESTIMATE

S. No.	Description	Number	Cost/Unit	Total Cost
1	Cement	58 bags	350	20,800
2	Fal G Bricks	700	20	14,000
3	Red Bricks	2000	7	14,000
4	C.A. 30mm	2 Units	3,800	7,600
5	C.A. 20mm	1 Unit	4,000	4,000
6	C.A. 10mm	2 Units	2,500	5,000
7	Sand	1 Unit	4,000	4,000
8	Clay	1 Unit	2,000	2,000
9	8mm Bars	7	270	1,890
10	Motor(1HP)	1	3,000	3,000
11	Helpers .	49	500	24,500
12	Soil labor	55	500	27,500
13	Carpenter	6	500	3,000
14	Plumber	10	500	5,000
15	Other allowance (Transport, etc.,)	- 2	-	6,000
	Total Amount			Rs 1,42,290.00

^{*}This bill is for the construction of Sewage treatment plant including the material and labour prices

cor Hanuman Constructions

Proprietor

SURA

PRINCIPAL

PRINCIPAL Aditya College of Engineering SURAMPALEM-533 437