



# ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to JNTUK & Accredited by NAAC

Recognized by UGC under section 2(f) of UGC Act 1956

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

## 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 usage by 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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SURAMPALAM-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



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



## Bore well and Open Well Recharge in Ramanujan Bhavan



## Bore well Near James Watt Bhavan

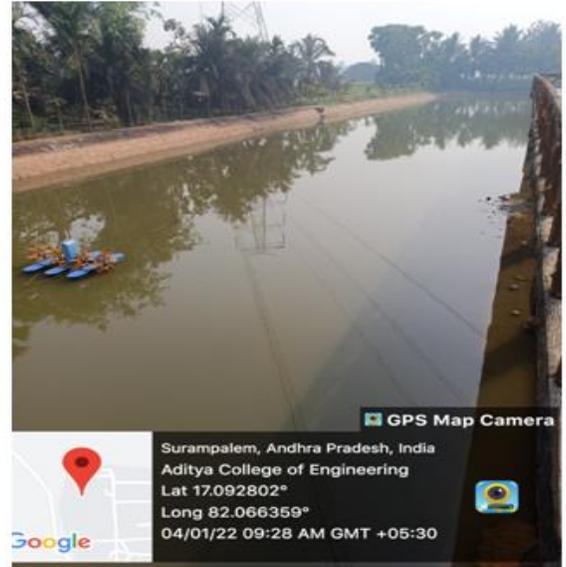


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## 3. Construction of tank and bunds Location- Ramanujan Bhavan



## Construction of Tanks and bunds for maintaining water conservation facilities



Tank on top of James Watt Bhavan

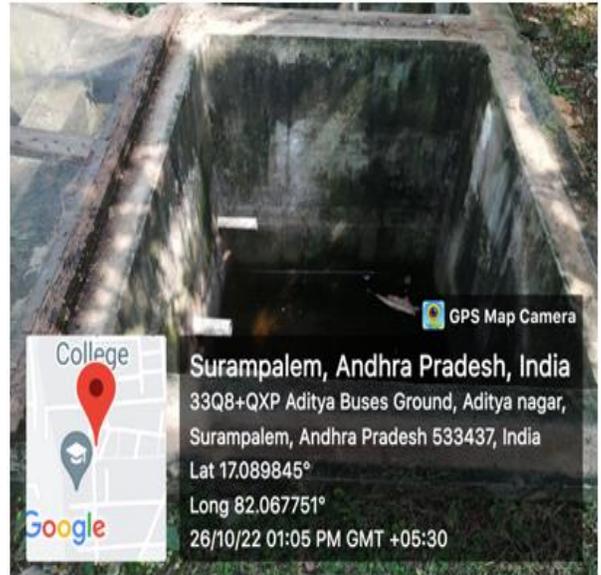


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## 4. Maintenance of water bodies in the campus



## 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 Cell : 9346295399

 **HANUMAN CONSTRUCTIONS**

FLOT NO. 102, D NO. 7-20-5/1/4, MAYURI PREM BAGH, KIRLAMPUDI LAYOUT  
CHINNAWALTAIR, VISAKHAPATNAM, ANDHRA PRADESH - 530017  
Email : hanumanconstructions5@gmail.com

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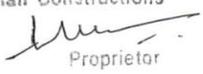
Date : 12/4/2019

**BILL TO**

NAME : Aditya College of Engineering  
ADDRESS : Aditya Nagar, ADB Road, Surampalem,  
East-Godavari District,  
Andhra Pradesh, INDIA.  
CITY : Surampalem  
PINCODE : 533437

| S No             | Description            | Volume             | Unit cost<br>(per m <sup>3</sup> ) | Quantity | Amount       |
|------------------|------------------------|--------------------|------------------------------------|----------|--------------|
| 1                | 40 mm coarse aggregate | 5 m <sup>3</sup>   | Rs 3840                            | 5000 kg  | Rs 19200.00  |
| 2                | 20 mm coarse aggregate | 2.5 m <sup>3</sup> | Rs 2880                            | 2500 kg  | Rs 7200.00   |
| 3                | Sand or Fine aggregate | 1.5 m <sup>3</sup> | Rs 4092                            | 1500 kg  | Rs 6138.00   |
| 4                | Earth work (labour)    | 10 m <sup>3</sup>  | Rs 250                             |          | Rs 2500.00   |
| Sub total amount |                        |                    |                                    |          | Rs 35,038.00 |
| GST 18%          |                        |                    |                                    |          | Rs 6306.84   |
| Total amount     |                        |                    |                                    |          | Rs 41,344.00 |

\*This bill is for the construction of Recharge pit including the material and labour prices

For Hanuman Constructions  
  
Proprietor



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## Borewell Bill

J7ASSPN3446K1Z1 Cell : 98490 12568  
94920 68163

**LAKSHMI GANESH ENGINEERING WORKS**  
C.R.I. PUMPS AUTHORISED DEALER  
# 20-1-41, Opp. Ramalayam, Pasilavari Street, PEDDAPURAM - 533 437, E.G.Dist.,

Prop. : Navudu Mallikarjuna Rao COMPOSITION TAXABLE PERSON

Serial Number : 34 Bill of Supply State : Andhra Pradesh  
Date of Issue : 16/06/2021 Cash / Credit State Code : 37

DETAILS OF RECEIVER

Name : Aditya College Vehicle No. : AP 05 TD 3342  
Address : Surampalem GSTIN/UIN : GRN 243  
Phone No. : \_\_\_\_\_

| Sl. No.      | Description of Goods   | HSN Code     | Qty. | Rate | Amount            |
|--------------|--|--------------|------|------|-------------------|
| ①            | CR1 7.5 HP Motor, 3-Stage PUMP<br>3-Phase V/6 Model<br>65.D<br>PUMP. S.No:- 10220K14484<br>10221A15367 | 84138<br>130 | ②    | -    | 78,000/-          |
| ②            | CR1 3.HP Motor, 3-Stage PUMP<br>3-Phase V/6 Model<br>50.D<br>PUMP. S.No:- 10221C23126                  | 84138<br>130 | ①    | -    | 33,500/-          |
| <b>TOTAL</b> |  |              |      |      | <b>1,11,500/-</b> |

Total Invoice Amount in words : \_\_\_\_\_

|   |  |
|---|--|
| <p><b>Bank Details :</b> Bank A/c. No. : <u>62423549335</u><br/>IFSC Code : <u>SBIN000897</u><br/><b>STATE BANK OF INDIA, PEDDAPURAM</b></p> <p style="text-align: center;"><b>Terms &amp; Conditions</b><br/>1. Goods once sold cannot be taken back or exchanged<br/>2. Subject to Peddapuram Jurisdiction only</p> | <p>Certified that the particulars given above are true and correct.<br/>For <b>LAKSHMI GANESH ENGINEERING WORKS</b><br/><u>N. Kallikoti R</u><br/>Authorised Signatory</p> |
|---|--|

☛ మోటరు ప్రకటిక, వాటరులో తడిచిన అయిల్ సీల్స్ కి వారంటీ ఇవ్వబడదు.      ★ మోటర్ ఫ్రెండింగ్ వారంటీ మాత్రమే



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## Construction of Tanks and Bunds

| <b>NALAM SANITARY HOUSE</b><br>Sona Sanitary, Surya Pipes, Ashirvad Pipes<br>D.No. 1-18-8, Sriram Nagar, KAKINADA - 533 003<br>GST IN:37AATPN3706H1ZD<br>(O) 2378614<br>Cell: 98486 25205 |   |            |                |          |   |                 |
|---|---|------------|----------------|----------|---|-----------------|
| BILL OF SUPPLY - COMPOSITE DEALER   |   |            |                |          |   |                 |
| Serial Number   | 1883                                      | State      | Andhra Pradesh |          |   |                 |
| Date of Issue   | 30/5/19                                   | State Code | 37             |          |   |                 |
| Details of Receiver / Billed to   |   |            |                |          |   |                 |
| Name  | Aditya College of Engineering, Surampalem |            |                |          |   |                 |
| S.No.   | Description of good                       | Qty        | Rate           | Amount   | Less: Discount  | Value of Supply |
| 1.  | 32 H cm pipe                              | 20         | 680            | 6800.00  |   | 6800.00         |
| 2.  | 32. au. file                              | 20         | 550            | 11000.00 |   | 11000.00        |
| 3.  | 32. u 76H                                 | 10         | 330            | 3300.00  |   | 3300.00         |
| 4.  | 32. on au                                 | 18         | 720            | 5760.00  |   | 5760.00         |
| 5.  | 38. 252H                                  | 13         | 610            | 8140.00  |   | 8140.00         |
| 6.  | 32. 20                                    | 15         | 65             | 975.00   |   | 975.00          |
| 7.  | 32 d 20 pipe                              | 20         | 120            | 2400.00  |   | 2400.00         |
| 8.  | 20  | 20         | 15             | 300.00   |   | 300.00          |
| 9.  | 25  | 30         | 65             | 1950.00  |   | 1950.00         |
| 10.   | 20  | 15         | 30             | 450.00   |   | 450.00          |
| 11.   | 20  | 15         | 35             | 525.00   |   | 525.00          |
| 12.   | 20. 15 32 H                               | TOTAL      |                |          |   | 43156.00        |
| Total Invoice Amount in Words: Fourty three thousand one hundred fifty six Rupees   |   |            |                |          |   |                 |
| Bank Details<br>Bank Account Number : 0612270969<br>Bank Branch IFSC : KKBK0007840<br>E. & O.E. Kotak Mahindra Bank   |   |            | Common Seal    |          | Certified that the particulars given above are true and correct<br>For Nalam Sanitary House<br>Authorised Signatory |                 |

*(Handwritten signature)*

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| (O) 2378614<br>Cell: 98486 25205   |                     |                                |                        |  |                |                 |
|--|---------------------|--------------------------------|------------------------|--|----------------|-----------------|
| <b>NALAM SANITARY HOUSE</b>  |                     |                                |                        |  |                |                 |
| Sona Sanitary, Surya Pipes, Ashirvad Pipes<br>D.No. 1-18-8, Sriram Nagar, KAKINADA - 533 003<br>GST IN:37AATPN3706H1ZD |                     |                                |                        |  |                |                 |
| <b>BILL OF SUPPLY - COMPOSITE DEALER</b>   |                     |                                |                        |  |                |                 |
| Serial Number : 2394   |                     |                                | State : Andhra Pradesh |  |                |                 |
| Date of Issue : 25/5/2020  |                     |                                | State Code : 37        |  |                |                 |
| <b>Details of Receiver / Billed to</b>   |                     |                                |                        |  |                |                 |
| Name : Aditya College of Engineering, Surampalem   |                     |                                |                        |  |                |                 |
| S.No.  | Description of good | Qty                            | Rate                   | Amount   | Less: Discount | Value of Supply |
| 1.   | 25mm 3203400A       | 5                              | 450                    | 2250.00  |                | 2250.00         |
| 2.   | 25mm 2nd            | 6                              | 230                    | 1380.00  |                | 1380.00         |
| 3.   | 25mm seals          | 5                              | 180                    | 900.00   |                | 900.00          |
| 4.   | 20mm dia pipe       | 3                              | 600                    | 1800.00  |                | 1800.00         |
| 5.   | gus                 | 7                              | 160                    | 1120.00  |                | 1120.00         |
| 6.   | lock                | 1                              | 65                     | 65.00  |                | 65.00           |
| <b>TOTAL</b>   |                     |                                |                        |  |                | <b>7515.00</b>  |
| Total Invoice Amount in Words: Seven Thousand Five Hundred and Fifteen Rupees Only                                     |                     |                                |                        |  |                |                 |
| <b>Bank Details</b>  |                     |                                |                        | Certified that the particulars given above are true and correct<br>For <b>Nalam Sanitary House</b> |                |                 |
| Bank Account Number : 0612270969   |                     | Bank Branch IFSC : KKBK0007840 |                        | Commen Seal<br>Authorised Signatory  |                |                 |
| E. & O.E.  |                     | Kotak Mahindra Bank            |                        |  |                |                 |

*Handwritten signature in green ink*

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## 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

Aditya College Engineering  
Surampalem  
Ph:99498 76662

Invoice No: 550

Date:07-09-2020

| S.No                             | Model No    | Description  | Qty | Unit Price | VAT% | Amount    |
|----------------------------------|-------------|--|-----|------------|------|-----------|
| 1                                | SDLH 150150 | Bluestar Make 150Ltrs Stainless Steel Drinking Water Cooler<br>Sr.No.SDLX15150130V2723 | 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 disputes subject to Rajahmundry Jurisdiction only

E & O.E



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GSTIN : 37ABIPV7479B1Z4



## HANUMAN CONSTRUCTIONS

Cell : 9346295399

FLOT NO 102, D NO 7-29-5/1/4 MAYURI PREM BAGH KIRLAMPUDI LAYOUT  
CHINNAWALTAR VISAKHAPATNAM ANDHRA PRADESH - 530017  
Email : hanumanconstructions5@gmail.com

Date : 14/12/2019

### BILL TO

NAME : Aditya College  
ADDRESS : Aditya Nagar, ADB Road, Surampalem,  
East-Godavari District,  
Andhra Pradesh, INDIA.  
CITY : 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.) | -       | -         | 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

For Hanuman Constructions

Proprietor



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