



SANTHIRAM ENGINEERING COLLEGE:: NANDYAL

Approved by AICTE, New Delhi: Permanently Affiliated to JNTUA, Ananthapuramu.
As ISO 9001:2015 Certified Institution, 2(f) & 12(B) Recognition by UGC Act, 1956
NH-40, Nandyal – 518501 :: Kurnool Dist. A.P.

Water Conservation Policy

Water is a scarce natural resource, which is fundamental to life, livelihood, food security and sustainable development. India has more than 18% of world's population, but has only 4% of world's renewable water resources and 2.4% of world's land area. The main emphasis of National Water Policy 2012 is treat water as economic good which the ministry claims to promote its conservation and efficient use. Santhiram Engineering College, believes that educational institutions consume and pollute water resources majorly, so they also need water conservation mechanisms for saving and optimum utilization of water.

Objectives:

1. To optimize the use of natural water resource.
2. To increase the ground water table.
3. To efficiently use the water in the campus.
4. To reuse the waste water.

Institute implements the following practices/initiatives towards establishment and maintenance of water resources.

1. Rain water harvesting:

- The institution has established roof top rain water harvesting system with 1500 liters capacity. The harvested water is used for gardening and cleaning purpose.

2. Soak pits and Bore well recharge:

- The institution has constructed soak pits at different roof top outlets to increase the ground water table. And bore well recharge pits are constructed to increase the bore well water level.

3. Construction of tanks:

- Concrete and sintex overhead water tanks are established in the campus to save and distribute the water to various places in the campus.

4. Drip & Sprinkler irrigation systems:

- The institution has established drip and sprinkler irrigation systems in the gardens for wise utilization of water.

5. Regular monitoring of water distribution system:

- The institution plumber and his team regularly monitor the leakages at taps, joints, flushes, water tanks and water coolers to reduce the wastage.
- Fixing of low flow faucets in taps.
- Avoiding autoclaves and insisting the students to turn off the sink taps when smudging the glassware in the chemistry laboratory to reduce the use of water.

6. Save water circular/sign boards:

- The institution has displayed proper circulars/notices and placed sign boards at water bodies on giving awareness to wise utilization of water in the campus.

7. Sewage Treatment Plant:

- The institution has established Sewage Treatment Plant for purifying the effluents from canteen and washrooms. And the recycled water is used for cleaning in the campus.

8. Reverse Osmosis Plant:

- The institution has established Reverse Osmosis Plant with 500 liters/hour purifying capacity to provide safe drinking water in the campus. And the waste water generated from it is collected and reused for gardening and nurturing the plants.

9. Observing of World Environment Day & World Water Day:

- On World Environment Day mass tree plantation program is organized to increase the greenery and to reduce the green house gases.
- On World Water Day a pledge is taken by all the family members of the institution to save the water and to keep it pollutant free.

7.1.4: Water conservation facilities available in the Institution

| S.No | Description |
|-------------|---------------------------------|
| 7.1.4.1 | Rain Water Harvesting |
| 7.1.4.2 | Bore well Recharge |
| 7.1.4.3 | Construction of tanks and bunds |
| 7.1.4.4 | Waste water recycling |
| 7.1.4.5 | Maintenance of water bodies |

7.1.4.1 Rain Water Harvesting

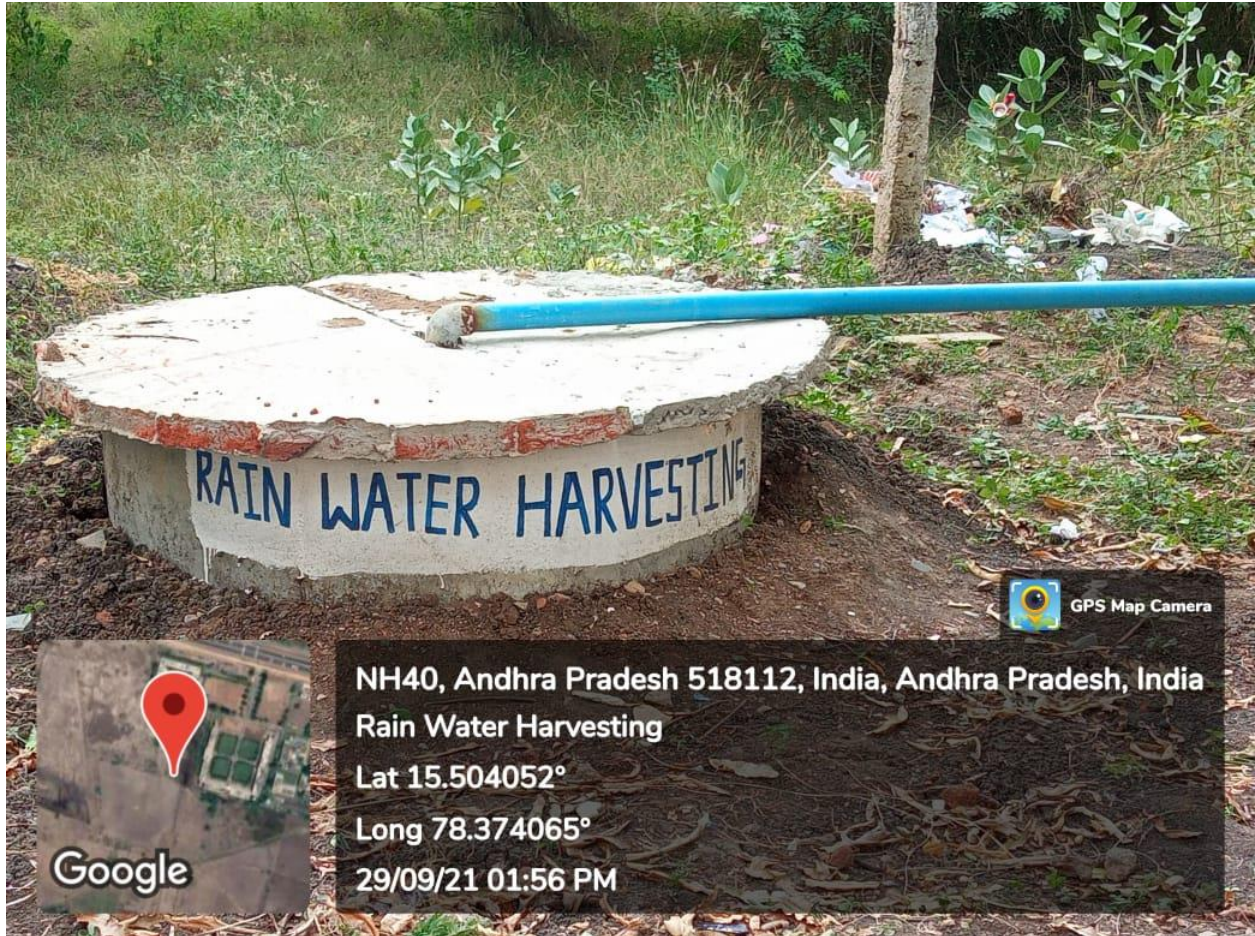


Fig: Rain water harvesting

7.1.4.2 Bore well Recharge Pit



Fig: Bore well Recharge Pit

7.1.4.3 Tanks and Bunds



Fig: tanks and bunds

7.1.4.4 Waste Water Recycling



Fig: Waste water recycling

7.1.4.5 MAINTENANCE OF WATER BODIES



Fig: RO PLANT



Fig: DISTRIBUTION OF WATER TO COOLER



Fig: WATER DISTRIBUTION TO LON

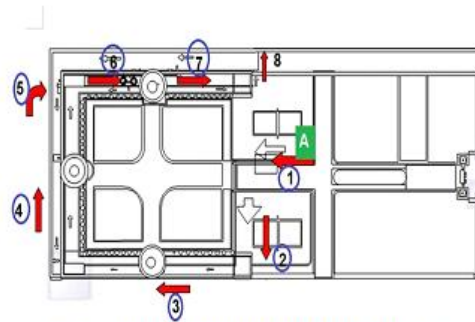


Fig: WATER DISTRIBUTION VIEW



Sprinklers in the lawn



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NH-40, Nandyal-518501:: Kurnool Dist . A. P.

MAINTENANCE OF WATER BODIES

| | |
|------------------------------------|---|
| SOURCE OF WATER | Borewell with a depth of 250 feet with 2 inches of water, pumping to overhead tanks with 2 hp motor |
| No. of water tanks with capacity | 2 each with 5000 ltrs capacity |
| No. of RO plants with capacity | 1 with a capacity of 500 ltrs per hour |
| No. of Water coolers with capacity | 6 each with a capacity of 100 ltrs |

| | |
|--|--|
| USAGE OF WATER BODIES | |
| Mineral water(R O plant) | 2500 ltrs mineral water+ 7500 ltrs R O reject |
| Wash room , Toilets and cleaning purpose | 6000 ltrs |
| Lan and trees maintenance (By Using RO reject) | 7500 ltrs |
| | |
| TOTAL USAGE PER DAY | 16000 ltrs |

PRINCIPAL
Santhiram Engineering College
Nandyal, Kurnool(Dt.), A.P

Belaraju
(Incharge)



राष्ट्रीय जल मिशन

जल शपथ

मैं पानी बचाने और उसके विवेकपूर्ण उपयोग की शपथ लेता हूँ/लेती हूँ।

मैं यह भी शपथ लेता हूँ/लेती हूँ कि मैं जल का समुचित उपयोग करूँगा/करूँगी।

तथा पानी की हर एक बूंद का संचयन करूँगा/करूँगी और 'कैच द रेन' अभियान को बढ़ावा देने में पूरा सहयोग दूंगा / दूंगी।

मैं पानी को एक अनमोल संपदा मानूँगा/मानूँगी और ऐसा मानते हुए ही इसका उपयोग करूँगा/करूँगी।

मैं शपथ लेता हूँ/लेती हूँ कि मैं अपने परिवारजनों, मित्रों और पड़ोसियों को भी इसके विवेकपूर्ण उपयोग और उसे व्यर्थ नहीं करने के लिए प्रेरित करूँगा/करूँगी।

यह ग्रह हमारा है और हम ही इसे बचा सकते हैं और अपना भविष्य सुरक्षित कर सकते हैं।

7.1.4 : Relevant information

| S.No | Details |
|---------|---|
| 7.1.4.1 | Rain water harvesting installation bill |
| 7.1.4.2 | Sintex water tanks purchase bills |
| 7.1.4.3 | Sewage Treatment Plant construction cost |
| 7.1.4.4 | RO plant installation bill, water coolers bills, drip system bill, Sprinklers system bill |



KIRAN ENGINEER'S AND BUILDER'S

FLAT.NO-206,FIRST FLOOR,OPPOSITE TO NATIONAL COLLEGE
NANDYAL(518501),KURNOOL(DIST)

SANTHIRAM ENGINEERING COLLEGE, NANDYAL

TAX INVOICE OF QUANTITY OF MATERIALS USED FOR FOLLOWING STRUCTURE'S

Bill no: 3251

Date: 20-03-2020

| S.NO | STRUCTURAL PARTICULARS | QUANTITY OF MATERIALS | | | LABOUR | | WORK DURATION |
|-------------------------------|---|-----------------------|------------|----------------|---------|---------|---------------|
| | | CEMENT | SAND | BRICKS | MASSION | HELPERS | |
| 1 | BOREWELL RECHARGE PIT 1x8'8"x7'6" | 1 Bag | 4 Bags | 230 no's | 4 | 4 | 2 Days |
| 2 | WASTE COLLECTION PIT (DRY &WET) 2X12'X6" | 5 Bags | 17.4 Bags | 1057 no's | 8 | 8 | 4 Days |
| 3 | RAIN WATER HARVESTING 2X15'X2' | 8 Bags | 10.4 Bags | 18.4 Bags | 8 | 8 | 4 Days |
| LABOUR COST FOR THE WORK DONE | | | | | | | |
| | | | | | | | |
| | | | NO OF DAYS | NO OF MASSIONS | | | AMOUNT |
| 1 | ONE MASSION =750/- PERDAY | | 10 Days | 20 | | | 15000/- |
| | | | | NO OF HELPERS | | | |
| 2 | ONE HELPER=450/- PERDAY | | 10 Days | 20 | | | 9000/- |
| 3 | BUNDS:TWO HELPERS=450/- PERDAY | | 01 | 02 | | | 900/- |

TOTAL AMOUNT RS.24900/-
(Twenty four thousand and nine hundred rupees only)

For Kiran Engineers and Builders

T. Praveen
PAN number:AAHFD2389N

SBI Bank : 20452278440
IFSC : SBIN0010543



Principal
Santhiram Engineering College
NANDYAL

7.1.4.2 : Sintex water tanks purchase bills

ORIGINAL FOR BUYER

INVOICE CERTIFICATE FOR EXPORT
 (Under the provisions of the Export Credit Scheme from Factory
 or Warehouse in Payment of Duty Under Rule 12-A, 173G)



TAX INVOICE

| | | |
|---|---------------------------------------|-----------------------------|
| Sreekanth Water Containers 10/20, K. V. Road, Santhirapattinam, Nandyal Dist. Kurnool, A.P. Pin: 515114, 515115 Tel: 08524 221111, 08524 221112, 08524 221113 Fax: 08524 221114, 08524 221115 Email: sreekanth@rediffmail.com Website: www.sreekanth.com | Invoice No 915 | Dated 16-Nov-2015 |
| | Delivery Note | Mode/Terms of Payment |
| | Supplier's Ref | Other Reference(s) |
| | Buyer's Order No | Dated |
| | Despatch Document No | Dated |
| | Despatch Through AP21W-0407 | Destination |
| Terms of Delivery | | |

| Description Goods | Quantity | Rate | Per | Amount |
|--|--------------|-----------|-----|------------------|
| 1 5000Ltrs ISI Water Storage Tank(Black) | 1 NOS | 25,141.67 | NOS | 25,141.67 |
| Excise Duty on Water Containers | | 12.50 % | | 3,017.71 |
| A P Vat Tax on Water Containers | | 14.50 % | | 4,096.61 |
| Round Off(Sales) | | | | 0.01 |
| Total | 1 NOS | | | 36,250.00 |

Factory Name : Sreekanth Water Containers

Rs. Thirty Six Thousand Two Hundred Fifty Only
 (Large Unit - Exempt in words)
 Rs. Three Thousand Five Hundred Seventeen and Seventy One
 paise Only
 (Exemption - Less Payable in words)
 Only

Excise Range : **NANDYAL**
 Excise Division : **GRANDRA NAGAR, Nandyal**
 Excise District : **KURNOOL**
 Genl. No. in PLATO-23 : _____

Date & Time of Invoice : **16-Nov-2015 at 10:20**
 Date & Time of Removal : **16-Nov-2015 at**

Company's VAT TIN : **29280202947**

Prepared By : _____
 Checked By : *S. Chiff*
 Authorisation Signatory

For Sreekanth Water Containers
 Description of Goods : Water Containers
 Total Weight : 3025.75KG
 Rate of Duty : 12.50%

By: _____
 For: _____
 Date: _____

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Principal
Santhiram Engineering College
NANDYAL


 भारतीय स्टेट बैंक
STATE BANK OF INDIA

Branch: _____ Date:

Received From: S.P.E.C.

By Cheque / Transfer for RTGS/NEFT
 On Nandyal
 Bank Syndicate Bank
 Branch Nandyal
 Favoring Sree
Contaminant

Amount ₹ 26,250/-
 Bank Charges ₹ -
 Total ₹ 26,250/-

(Rupees Twenty Six thousand
two hundred and fifty five only)

SAN 113160 29800

Arundhaya

RECEIVED
 12 NOV 2015
 11:50 AM
 BHIMAVARAM BRANCH
 BHIMAVARAM

(Signature)

Principal
Santhiram Engineering College
NANDYAL

TIN : 37857687078

CASH BILL

Phone : 08618-220055

NEW KOOL CARE AIR CONDITION & REFRIGERATION




Authorised Dealer in : Blue Star Air Conditioners, Deep Freezers, Bottle water dispensers, Bottle Coolers, Milk Coolers, Water Coolers etc.

Shop No.19, 1st Floor "U" CON Plaza, Park Road, KURNOOL-518 001. (A.P.)

No 162

Date 22/4/15

Mis. Shanti Ram Engineering College
Nandyal 9866202425

| No. | PARTICULARS | Qty | Rate | AMOUNT | |
|--|---|-----|----------|----------|--|
| | | | | Rs. | Pg. |
| ① | Water Cooler mdl: SDLX 680 Sl: 15V61196 | 1 | 36,000/- | 36,000/- | |
| | | | | 36,000/- | |
| Received hereby from the above named party | | | | |  Signature |

Small illegible text


Principal
Santhiram Engineering College
NANDYAL

TIN No 37185432153

INVOICE

BEST IRRIGATIONS

Dealers for : Micro Irrigation Equipments.
PVC Pipes, HDPE Pipes, Solar, Tissue Culture Plants

Shop No 95, Srinivasa Complex, NANDYAL - 518 501, Kurnool(DI).

No. 399 Date 10/8/17

Sri Santhiram Engineering College

Village _____ Mandal _____

| S.No. | Description | Rate | Qty | Amount |
|---|--------------------|------|-----|-----------|
| | PGT | 750 | 15 | 11,250.00 |
| | 16mm E1600 | 3.5 | 5 | 17.50 |
| | 16mm tees | 3 | 10 | 30.00 |
| | 16mm plain lateral | 8.5 | 100 | 850.00 |
| Enter into the stock register in Page 001 Chandu 11/8/17 | | | | |
| | | | | 12,147.50 |
| | | | | 12,147.50 |

Customer Signature
Ph: 9177145455
TK...

VB
11/8/17

for BEST IRRIGATIONS
M. Ramu's
Prop. / Manager Signature

Principal
Santhiram Engineering College
NANDYAL

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SRI MAHARAJA REFRIGERATION SERVICE

9908093515

REFRIGERATION ENGINEERS & CONTRACTORS

Room No. 10, Ramalayam, Sanjeevanagar, NANDYAL - 518 501, Kurnool Dist. (A.P.)

| | |
|---|------------------------------|
| CUSTOMER NAME & ADDRESS To SANTHIRAM Engineering collage KURNOOL highway Road <u>NANDYAL</u> | Bill No. ABCD12 |
| | Date: 12-3-2012 |
| | Unit: Mineral water plant |
| | S.No. Ascending 50th Coprate |

| S.No. | DESCRIPTION | Qty. | Rate | Amount | |
|-------|---|----------------|----------|--------|-----|
| | | | | Rs. | Ps. |
| ① | RAW water pump, 1/2 HP Raw water, and 1 HP motor | Total spare | 1 | 88,300 | 00 |
| ② | SAND filter, Flow meter, 40/80 Vessel | | | | |
| ③ | HP PUMP, pressure gauges | | | | |
| ④ | Micron cartridge filter (H) | | | | |
| ⑤ | Micron cartridge filter (S) 40/40 micron having | | | | |
| ⑥ | Dosing pump, membrane housing | | | | |
| ⑦ | Ro membrane, VV Bulb | 20,200 | 1 | 20,200 | 00 |
| ⑧ | 25 NB Multipass valves - 5 Kd | | | | |
| ⑨ | Control panel with electricals | 7,000 | 1 | 7,000 | 00 |
| ⑩ | 5000 ltr capacity TANK | | | | |
| ⑪ | SPARE parts checking sum - Labour charges | Total | 1,15,500 | 00 | 00 |
| ⑫ | (Rupees:- one lakh fifteen thousands five hundred only) | | | | |

E. & O.E.

For : SRI MAHARAJA REFRIGERATION SERVICE


 Proprietor

TIN No. 37185432153

INVOICE

BEST IRRIGATIONS

Dealers for : Micro Irrigation Equipments.
PVC Pipes, HDPE Pipes, Solar, Tissue Culture Plants

Shop No. 95, Srinivasa Complex, NANDYAL - 518 501, Kurnool(Dt.),

No. 501

Date: 4.11.16

Sri Shanthiram Eng. College

Village Neravada Mandal Rayam

| S.No. | Description | Rate | Qty | Amount |
|-------|--------------|------|-----|----------|
| 1. | Pop up PGJ | 750 | 16 | 12000.00 |
| 2. | PGP pop up | 950 | 03 | 2850.00 |
| 3. | Swing joints | 120 | 20 | 2400.00 |
| 4. | Drill bit | 100 | 01 | 100.00 |
| 5. | Swing joints | 150 | 03 | 450.00 |
| | | | | 17800.00 |

T. K. M. D. Jey
Customer Signature

Ph: 9177145455

for BEST IRRIGATIONS

Prop. / Manager Signature



Principal
Santhiram Engineering College
NANDYAL

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e-PayOrder Details

e-PayOrder Number CNAABBVPP2

Debit Status Success

06-Jan-2017

BEST IRRIGATIONS

Seventeen Thousand Eight Hundred and Four
and Sixty Paise only

17,804.60

00000030353702437

RAJIV GANDHI COLLEGE OF ENGG
AND TECH

MAKER1
Maker

APPROVER1
Approver

CHECKER1
Authorizer 1

"CNAABBVPP2"

Credit to beneficiary 17,800.00

Commission Amount 4.60

Counterfoil Description GARDEN MATERIAL - SPRINCKLERS

Transaction Type NEFT Funds transfer

Debit Account Details

| Account No. | Branch | Amount |
|-------------------|---|-----------|
| 00000030353702437 | RAJIV GANDHI COLLEGE OF ENGG AND TECH | 17,804.60 |

Credit Account Details

| Beneficiary Name/Account No. | Bank/Branch/IFSCCode | Amount | Credit Status | UTR No. |
|------------------------------------|---|-----------|---------------|------------------|
| BEST IRRIGATIONS/31450200000126 | BANK OF BARODA/NANDYAL DIST KURNOOL A.P./BARBONANDYA | 17,800.00 | Pending | SBIN417006841255 |

Santhiram Engineering College Nandyal

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Santhiram Engineering College
NANDYAL