

7.1.2.1

1. Alternate sources of energy and energy conservation measures



7.1.2.1 The Institution has facilities for alternate sources of energy and energy conservation measures :

- a. Solar energy**
- b. Biogas Plant**
- c. Wheeling to the Grid**
- d. Sensor-based energy conservation**
- e. Use of LED bulbs/power efficient equipment**

a. Solar energy :

Solar power is the cleanest, most reliable form of renewable energy available, and it can be used in several forms to help power your home or business. Solar-powered photovoltaic (PV) panels convert the sun's rays into electricity by exciting electrons in silicon cells using the photons of light from the sun.

A 250kWp rooftop solar power plant was installed in December 2019 and was commissioned to operate from 1st July 2020. **800 units of power per day** is being generated, which is a very encouraging step towards using renewable and inexhaustible clean energy source. It also helps in reduction of dependence upon the traditional thermal power source, thereby resulting into the conservation and decreasing the carbon foot print drastically.

On par with present day needs and trends, our institute is utilizing solar energy to reduce carbon footprint with a sustainable future in mind. In this regard, **KITS is utilizing 90% of energy from solar power.**

The sources of electricity for KITS are,

- a) **APSPDCL** which supplies the power through a transformer of ratings **315kVA**.
- b) Major part of the electricity demand is being met by rooftop solar power plant with installed capacity of **250kWp**. It is connected to **power grid** through the **315kVA** transformer in net metering system.

A total of 263.64MWh of energy is generated through the solar plant till date and reducing the Carbon Dioxide footprint by 315.18Ton. Out of total solar generation, 6, 66, 625 units of energy has been exported to the grid via net metering system. The rest of the unit has been consumed by the college.

As of now we are using few solar paneled LED Sensor lights for replacing, burnt LED bulbs as and when needed.

We will be using solar panels and batteries to store and then convert solar energy to electrical energy, which is to be used for street lighting system in future. During daytime, solar energy is stored and then depending upon natural light illumination in surrounding the array of LEDs glow using the same converted solar energy. The on/off movement of LEDs depends upon input/output of sensors



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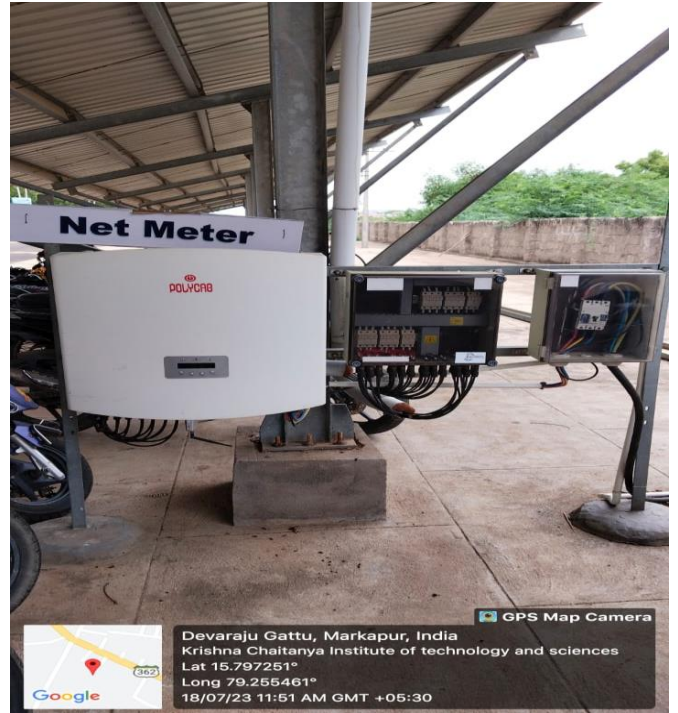


Figure 1 Roof top Solar panels, Inverters and power supply in the campus

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Bill of 250 KWP Solar Roof Top System (Invoice)

Tax Invoice

Crystal Power Controls Nago Colony Ongole GSTIN/UIN: 37AAYFM9190M1Z1 State Name : Andhra Pradesh, Code : 37	Invoice No.	e-Way Bill No.	Dated
	1		2-May-2019
Buyer Anna Educational Society Devarajugattu(V) Peddaraveedu(M) Markapur State Name : Andhra Pradesh, Code : 37	Delivery Note	Mode/Terms of Payment	
	Supplier's Ref.	Other Reference(s)	
	Buyer's Order No.	Dated	
	Despatch Document No.	Delivery Note Date	
	Despatched through	Destination	
Terms of Delivery			

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	250 Kwp Solar Roof Top System					1,10,71,429.00
	Output CGST 2.5%			2.50	%	2,76,785.73
	Output SGST 2.5%			2.50	%	2,76,785.73
Total						₹ 1,16,25,000.46

Amount Chargeable (in words)

INR One Crore Sixteen Lakh Twenty Five Thousand and Forty Six paise Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
	1,10,71,429.00	2.50%	2,76,785.73	2.50%	2,76,785.73	5,53,571.46
Total			1,10,71,429.00		2,76,785.73	5,53,571.46

Tax Amount (in words) : **INR Five Lakh Fifty Three Thousand Five Hundred Seventy One and Forty Six paise Only**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

For Crystal Power Controls

Authorized Signatory

This is a Computer Generated Invoice


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b. Biogas Plant:

Biogas plant/Gober gas plant is present in campus and we use it occasionally when needed. The biogas plant is an anaerobic digester which has a capacity of 3 tons. The digester works under anaerobic conditions. The feed of the digester was Kitchen waste, food waste and cow dung. The daily feed of the digester is 150 kg and the retention time is 15-20 days.

BIO-GAS

Inputs: Cow, Buffalo and Ox Dung, Waste Vegetables, Municipal Wet Wastages

Output: Methane Gas CH₄ Gas and Domestic Fuels

Usage: at KITS college Canteen

Product Dimensions:

Outer Diameter : 4.5 Feet

Inner Diameter : 4 Feet

Depth : 7 Feet

Production Rate : 3-5 Kg biogas/day

Mode of Operation: Food based/ Animal based



Figure2 Gober gas plant


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Bill of Biogas Plant

TAX INVOICE

Get Green Bio Energy GSTIN/ 29AEXPI4223A1ZJ State Name: Karnataka Contact : 8553780934 / 8147905346 Email : info@getgreenbioenergy.com		Invoice No. 93/2022		Dated : 09- 11 - 2022			
		Delivery Note		Mode/Terms of Payment			
		Supplier's Ref.		Other Reference (s)			
		Buyer's Order No.		Dated :			
Consignee KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY AND SCIENCES MARKAPUR PRAKASAM DISTRICT Pincode-523320 Andra Pradesh State. India Contact no- +91 7416949345				Delivery Note Date			
		Dispatch Through		Destination			
		Bill of Lading/LR-RR No dt.		Motor Vehicle No			
		Terms of Delivery					
Sl.No	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	Per	Amount
1	3 Biogas Plant with Accesories	8401010	5 %	01	57143/-	Unit	57143/-
	GST 5 %				5	%	2857/-
Total				01			60000 INR
Amount Chargeable (in word): Sixty Thousand Only							
HSN/SAC		Taxable Value	IGST				Total Tax Amount
			Rate	Amount			
8401010 Total		57143	5%	2857.00			2857/-
Tax Amount (in words): Two Thousand Eight Fifty Seven Only							
Declaration We declare that the invoice shows the actual price of the goods described and that all particulars are true and correct.							
Customers Seal and Signature				Authorised Signature			

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C. Wheeling to the Grid :

Solar Energy and Wheeling to the grid: The College Management has taken the following measures to practice energy conservation.

A-Block and part of the B-Block roof is equipped with solar photovoltaic cells panels to address climate change issues by reducing reliance on conventional fossil fuel-based energy. With net metering connection, Solar PV System is connected to the main electricity grid which allows the institute to sell excess power generated by solar panels to the AP Electricity board through Wheeling to the grid via net metering system.

S.No.	Energy OUTPUT per a Period	250KWP(approx..) PLANT
1	Output Energy per day	800 Units
2	Output Energy per month	20000 Units
3	Output Energy per year	210600 Units

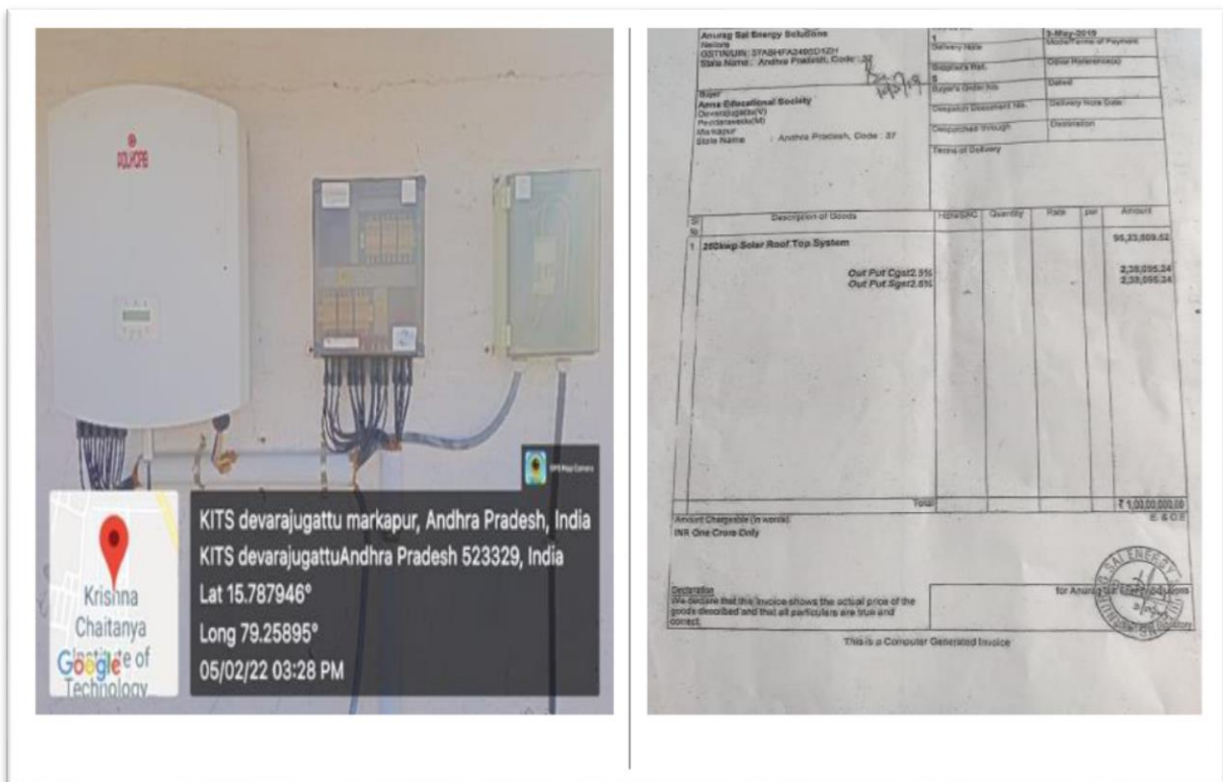


Figure Solar meter

Figure Solar plant invoice

[Handwritten Signature]
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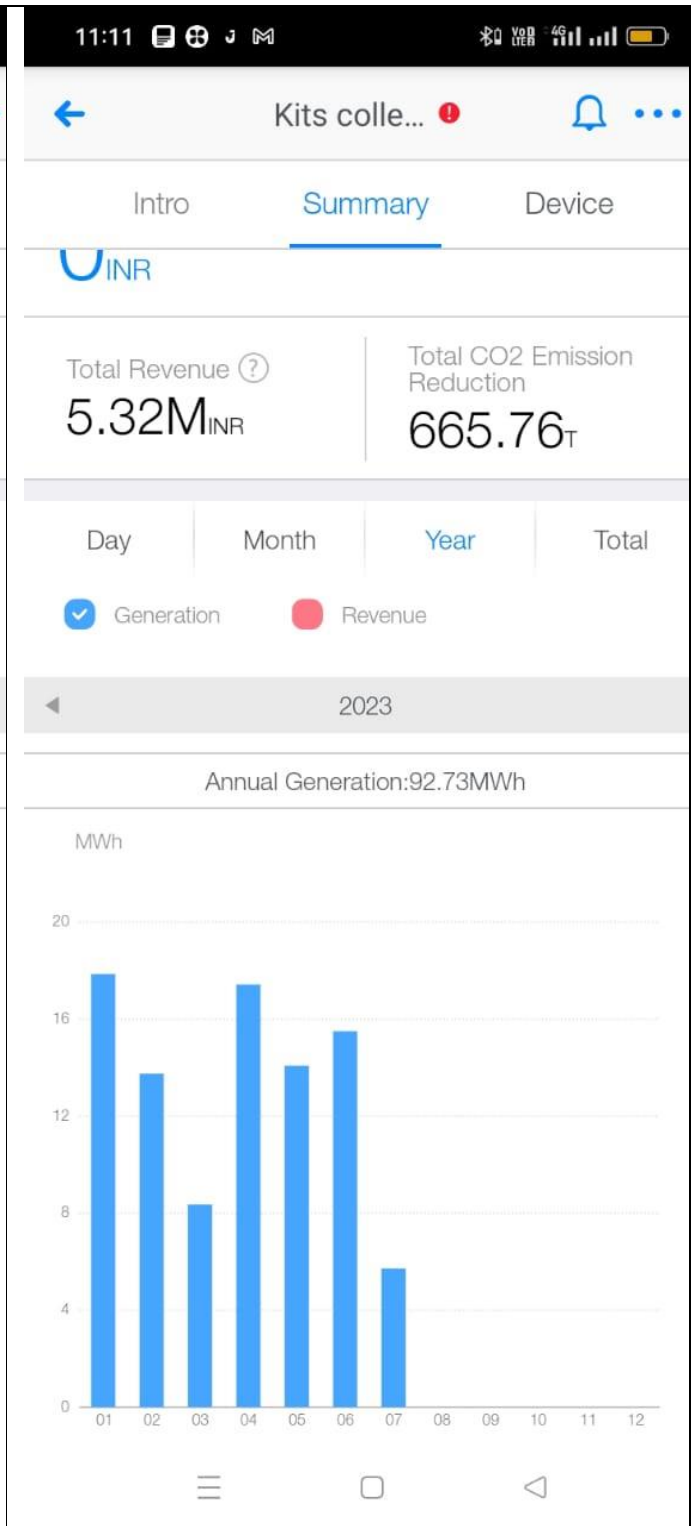
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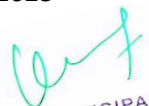
Solar plant power Generation and Carbon Emission reduction data:



Total Generation



Annual Generation-2023


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Month Generation



Annual Generation-2022


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Wheeling to the grid--- Agreement



AGREEMENT

ఆంధ్ర ప్రదేశ్ రాష్ట్రం ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

తేదీ : 14/8/2020 CS 731755

This Agreement is executed and entered into at (location) Devarajugattu Village, P. Araveedu Mandal, Prakasam Dist on this 01st day of July, 2020

Consumer, M/Anna Educational Society, Prop: Anna Krishna Chaitanya, residing at D.No: 10-104-12-2A, 10th Ward, Jawahar Nagar Colony, Markapur Town (address)

which means their/his/its/ theirs, successors as first party AND **Central Power Distribution Corporation Limited** (herein after called as **Discom**) and having its registered office at Devarajugattu Village in P.Araveedu Mandal, Prakasam Dist (address) as a DISCOM incorporated under the provisions of Companies Act 1956 consequent to the AP Electricity Reforms Act, 1998 (Which means its authorized representatives assigns, executors and its successors) as other party herein after called the 'Discom'.

Handwritten signature: Anna Krishna Chaitanya

Whereas, the eligible consumer has taken the responsibility to set up or facilitate the requisite Photovoltaic system and injection of Power into the Discom's grid

And

Whereas, the Discom agrees to benefit the eligible consumer for the electricity generated and as per conditions of this agreement and Solar rooftop guidelines.

For Anna Educational Society
Handwritten signature
Secretary & Correspondent

(Contd. . 2 . .)



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Both the party hereby agrees to as follows:

1. Eligibility

Eligible consumer is required to be aware, in advance, of the standards and conditions his system has to meet for being integrated into grid/distribution system.

Eligible consumer agrees that connection of Photovoltaic system to Discom's distribution system shall be bound by requirements of state Distribution Code and/or Discom's conditions of service. The grid shall continue to perform with specified reliability, security and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.

All registered companies, Government entities, partnership companies/ firms, individuals and all consumers of APDiscom(s) will be eligible for setting up of Solar Power Projects within the State for sale of electricity/captive use, in accordance with the Electricity Act, 2003 and Andhra Pradesh Solar Power Policy, as amended from time to time.

Group of persons/societies will also be eligible for setting up Solar Rooftop Projects (SRP) for sale of electricity to Discom/captive use or for self-consumption.

2. Capacity of the SPV Plant and Maximum Contracted Load of the premises

The Eligible Developer/ consumer is proposing to install rooftop solar power plant of 250 kWp capacity under Solar Net (Net/ Gross) metering facility at Devarajugattu Village in P.Araveedu Mandal, Prakasam Dist having electrical service Connection No. HT Sc.No. ONG 2063, Category HT CAT - II, Distribution Devarajugattu Village in P.Araveedu Mandal, Prakasam Dist for a contracted load of 250 KVA. The Eligible Developer have requested Discom to provide grid connectivity/ necessary permissions to connect rooftop solar power plant and supply solar energy into the distribution network of Discom at 11 KV voltage level which shall be extended for a period of 25 years.

3. Governing Provisions

The Eligible developer hereby undertake to comply with all the requirements of the Electricity Act, 2003, the Rules and Regulations framed under, provisions of the tariffs, applicable Charges and General Terms and Conditions of Supply prescribed by the Discom with the approval of the Andhra Pradesh Electricity Regulatory Commission herein after called as "Commission" from time to time and agree not to dispute the same.

4. Technical and Interconnection Requirements

Eligible consumer agrees that he will install, prior to connection of Photovoltaic system to Discom's distribution system, an isolation device and agrees for the Discom to have access to and operation of this, if required, for repair and maintenance of the distribution system.

5. Eligible consumer agrees that in case of a power outage on Discom's system, photovoltaic system will shut down, unless special transfer and isolating capabilities have been installed on photovoltaic system. The Discom shall not be obligated to accept and may require the Eligible Developer to interrupt or reduce deliveries when necessary with a reasonable notice to the Eligible Developer.

For Anna Educational Society

(X)

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The Eligible Developer shall strictly adhere to the standards specified by CEA/MNRE and installations of electrical equipment must comply with Indian Electricity rules, 1956.

The Eligible Developer can install SPV on building walls also.

Prior approval of Chief Electrical Inspectorate General (CEIG) is required in case of an SRP connected at LT level of distribution network with more than 10 kW capacity.

Eligible consumer agrees that Discom will specify the Interface/Inter-connection point and metering point.

Eligible consumer agrees to adhere to following power quality measures as per International or Indian standards and/or other such measures provided by Commission/Discom.

- a. Harmonic current: Harmonic current injections from a generating station shall not exceed the limits specified in IEEE 519.
- b. Synchronization: Photovoltaic system must be equipped with a grid frequency synchronization device.
- c. Voltage: The voltage-operating window should minimise nuisance tripping and should be under operating range of 80% to 110% of the nominal connected voltage. Beyond a clearing time of 2 seconds, the Photovoltaic system must isolate itself from the grid.
- d. Flicker: Operation of Photovoltaic system shouldn't cause voltage flicker in excess of the limits stated in the relevant sections of IEC standards or other equivalent Indian standards, if any.
- e. Frequency: When the Distribution system frequency deviates outside the specified conditions (50.5 Hz on upper side and 47.5 Hz on lower side), the Photovoltaic system shouldn't energize the grid and should shift to island mode.
- f. DC Injection: Photovoltaic system should not inject DC power more than 0.5% of full rated output at the interconnection point or 1% of rated inverter output current into distribution system under any operating conditions.
- g. Power Factor: While the output of the inverter is greater than 50%, a lagging power factor of greater than 0.9 should operate.
- h. Islanding and Disconnection: The Photovoltaic system in the event of voltage or frequency variations must island/disconnect itself within IEC standard on stipulated period.
- i. Overload and Overheat: The inverter should have the facility to automatically switch off in case of overload or overheating and should restart when normal conditions are restored.
- j. Paralleling device: Paralleling device of Photovoltaic system shall be capable of withstanding 220% of the nominal voltage at the interconnection point.

For Anna Educational Society

Secretary & Correspondent

(Contd. - 4 -)

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iii) The eligible subsidy may be processed through NREDCAP (Nodal agency) or Channel Partners of MNRE, GOI. The sanction and release of the subsidy will be as per the guidelines issued by MNRE from time to time.

iv) Incentives/ Other Charges/Administrative Fee - No Distribution losses and charges will be collected from the Eligible Developers /Group /Society /Individuals by the DISCOMs. All other charges shall be applicable as per the Tariff Order amended from time to time. The registration and facilitation fees shall be paid by Eligible Developer to Nodal agency as specified in the Policy.

Request for Connectivity

The Eligible Consumer will submit the required information in the prescribed format to the DISCOM and get the proper acknowledgement and shall also provide related interconnection equipment as per the DISCOM's technical requirements, including safety and performance standards. To prevent a net metering the Eligible Consumer from back-feeding a de-energized line, the Eligible Consumer shall install an isolator switch that is accessible to Company personnel at all hours.

The Customer shall not commence parallel operation of the net metering facility until the Customer has received approval to operate from the competent authority of DISCOM. Modifications or changes made to a Generator shall be evaluated by the DISCOM prior to modifications/changes. The Eligible Consumer shall provide detailed information describing the modifications or changes to the DISCOM in writing prior to making the modification to the generating facility. The DISCOM shall review the proposed changes to the generating facility and provide the results of its evaluation to the Eligible Consumer within forty- five (45) calendar days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy the violations.

Metering and Synchronization:

All meters must be Smart Meters as per the standards specified by the CEA regulations as amended from time to time. Eligible Developers shall be free to procure Meters, Current Transformers (CT), and Potential Transformer (PT) either from open market or DISCOM. If the metering equipment is purchased by the Developer, the same is to be tested at standard laboratory with consumer's expenses.

Meter reading shall be done as per the prevailing Discom procedure. The applicable customer charges shall be payable to Discom.

Billing process shall start within one month/next billing cycle after synchronizing the SRP plant.

ⓧ Krishna Educational Society
Secretary & Correspondent

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k. The maximum penetration limits at the LT level of distribution network are as specified in the table below:

Year	Maximum Penetration Limit - Ratio of aggregate installed SRP capacity under the DTR to the DTR capacity.
FY 2020-21	50%
FY 2021-22	60%

(X) Accepted

Eligible consumer agrees to furnish all the data such as voltage, frequency, and breaker, isolator position in his system, as and when required by the Discom.

Grid Connectivity and Evacuation facility:

The power generated from a Solar Power Project shall be injected at an appropriate voltage at the sub-station and/or interconnection point of the APTransco / Discom(s). The Eligible Developer shall bear the entire cost of construction of power evacuation facilities from the project up to the interconnection point and/or up to APTransco / Discom(s) substation.

The Eligible Developer shall abide by the orders, rules, regulations and terms and conditions as approved by the Commission from time to time for operation of Solar Power Projects, power evacuation, transmission and wheeling of energy. Solar Power Projects will be exempted from paying the Supervision charges to APTransco/Discom(s) towards the internal evacuation infrastructure within the project site and up to interconnection point. Any upstream system- strengthening requirement shall be borne by APTransco/ Discom(s) on a priority basis.

(X) Accepted

It is imperative to seek the technical details of the installation infrastructure from the supplier at the time of system installation and retain with the Eligible developer/ consumer.

6. Implementation Process:

Implementation of solar rooftop net/ gross metering facility will be as per the following guidelines:

i) Under Net metering, Power is first sent to the appliances and lights in the house, and if excess remains, it is exported to the outside electricity network and its quantum recorded.

ii) Under Gross Metering, all solar electricity generated is exported to the outside electricity network through an independent meter.

iii) Eligible Developers are allowed to avail the relevant subsidies and incentives from MNRE and from other Departments.

For Anna Educational Society

(X) (Contd. . 5 . .)

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Energy Settlement and Billing/Invoicing:

Energy settlement shall be done on a monthly basis. Group of persons/societies setting up SRP's will be treated as collective generation for supply of power to the households of each society /group member. In case of Apartments/Group Houses, common meter may be used for net metering

Net Metering: The energy generated from SRP shall be adjusted against the consumption of energy from the DISCOM by the Eligible Developer/ consumer every month. In case of Groups/Societies, the energy generated shall be prorated as per the installed capacity share indicated in the Agreement between the group/society and DISCOM. This computed energy share shall be adjusted against the consumption of energy for each consumer every month.

- In case of excess generation (after energy adjustment) in any month, payment shall be made by the Discom for the net energy computed at the **Average Cost to Serve (ACS)** as determined by APERC every year.
- In case of excess consumption in any month, payment shall be made by the Eligible Developer /Group /Society for the net energy at the applicable tariff as determined by APERC every year.

Gross Metering: The payment for energy generated from SRP will be computed at the **Average Cost to Serve (ACS)** of the Discom as determined by APERC every year. This shall be adjusted against the total billing demand for consumption of energy for the Eligible Developer/ consumer from the DISCOM every month. The balance amount after adjustment for the month shall be made by the Discom.

A limit shall be defined for all Eligible Developers in terms of energy, beyond which no payment shall be made by APDISCOM. Please refer example in **Annexure-E**.

7. Access and Inspection:

- a) The DISCOM's personal may enter the Eligible consumer's premises to inspect the Eligible consumer's protective devices and read or test the meter.
- b) DISCOM personnel reserve the right to inspect the SRP routinely at any time during the term of the Agreement. As part of the inspection, DISCOM officials have to ensure that check the following aspects
 - All protective equipment of the SPV system are functioning as per specifications.
 - The SPV system including the panels, inverters, etc continue to meet the requirements of Indian & IEC standards post installation till contract completion.
- c) An Eligible Developer, found indulging in theft of electricity or unauthorized use of electricity, shall pay the additional charges as may be levied by the DISCOM as per provisions of Electricity Act 2003. DISCOM may levy additional charge besides disconnection of electricity supply.

For Anna Educational Society

Secretary & Correspondent

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8. Safety

Eligible consumer shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010 as amended from time to time.

Eligible consumer agrees that the design, installation, maintenance and operation of the photovoltaic system are performed in a manner conducive to the safety of the photovoltaic system as well as the Discom's distribution system.

Due to Discom's obligation to maintain a safe and reliable distribution system, eligible consumer agrees that if it is determined by Discom that eligible consumer's photovoltaic system either causes damage to and/or produces adverse effects affecting other distribution systems' consumers or Discom's assets, eligible consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the Discom and correct the problem at his own expense prior to a reconnection.

9. Clearances and Approvals

8.1. _____

All the approvals/clearances required to avail the metering facility shall be disposed by the respective Discom within 14 days from the date of application

The eligible consumer agrees to attain all the necessary approvals and clearances before connecting the photovoltaic system to the distribution system.

Approvals shall be given only to those Eligible developer with maximum allowable capacity under single-phase service is 3 kWp and maximum allowable SPV plant capacity under LT category is 56 kWp. For HT Service, consumer shall be responsible to match the SPV plant capacity with the DTR Capacity.

The SRP capacity should be up to 1000 KWp at a single location.

10. Injection of Solar Power

The Solar power produced shall be injected in to the DISCOM network only after obtaining prior approval from DISCOM and meeting all the requirements of departmental standards, viz., protection switchgear, metering, feasibility approval etc.

11. Liabilities

Eligible consumer and Discom will indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of photovoltaic system or Discom's distribution system.

Discom and eligible consumer will not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.

for Anna Educational Society

Secretary & _____

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Discom shall not be liable for delivery or realization by eligible consumer for any fiscal or other incentive provided by the central /State government.

12. Commercial Settlement

All the commercial settlement under this agreement shall be made according to Solar rooftop guidelines and regulations of Electricity Regulatory Commission.

13. Connection Costs

The eligible consumer shall bare all costs related to setting up of photovoltaic system including metering and interconnection costs.

Cost for interconnection equipment including the Isolators, meters etc. are also to be borne by the eligible consumer.

14. Date of enforceability of the Agreement

This agreement will be in a force for a period of 25 years or up to the tenure of the project whichever is earlier from the date of commencement of this agreement, until the Eligible consumer meet all the requirements, rules and conditions of this Agreement and the system and its operation is in accordance with the Andhra Pradesh Solar Power Policy - 2015, and its future amendments, if any.

15. Dispute Resolution

If at any time the Discom reasonably determines that either the Eligible consumer may endanger the Discom's personnel or other persons or property, or the continued operation of the consumer's generator may endanger the integrity or safety of the Discom's electric system, or the Consumer is not operating the system in compliance with the terms and conditions of this agreement the Discom shall have the right to disconnect and lock out the SPV Generator facility from the Company's electric system until the Discom is reasonably satisfied that the SPV Generator can operate in a safe and complain manner.

Any other disputes arising under/ out of this agreement shall be resolved promptly in good faith and in an equitable manner by both the parties. Failing resolution of the dispute, party may approach the commission under Section 86 (1) (f) of EA 2003.

16. Termination

The SRP shall be installed within three (3) months from the date of Agreement. In case of any delay beyond three months, one time extension of 15 days shall be provided after which the agreement shall be deemed terminated without any reason.

The eligible consumer can terminate agreement at any time by providing Discom with 90 days prior notice.

Discom has the right to terminate Agreement on 30 days prior written notice, if eligible consumer breaches a term of this Agreement and does not remedy the breach within 30 days of receiving written notice from Discom of the breach.

(X)

Secretary & Correspondent

(Contd. - 9 - -)



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

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:: 9 ::

Eligible consumer agrees that upon termination of this Agreement, he must disconnect the photovoltaic system from Discom's distribution system in a timely manner and to Discom's satisfaction.

(Handwritten signature)

17. Re-Sale of Electric Power

The Eligible consumer shall not sell electricity generated under this agreement without the sanction in writing obtained from the DISCOM.

(Handwritten mark)

18. Obligation of Consumer to pay all charges levied by DISCOM

The Eligible Consumer shall abide by the rules and shall pay the Maximum Demand Charges, energy charges, surcharges and other charges, if any, to the DISCOM in accordance with the notified Tariff besides the applicability of the General Terms and Conditions of Supply prescribed by the APERC from time to time.

(Handwritten signature)

19. Theft of electricity or unauthorized use of electricity

The Eligible consumer, found indulging in theft of electricity or unauthorized use of electricity shall pay the penal/additional charges as may be levied by the DISCOM besides disconnection of supply as per the provisions of IE Act 2003 and General Terms and Conditions of supply.

In the witness, where of Mr. Anna Ramu for an on behalf of Devarajugattu Village in P.Araveedu Mandal, Prakasam Dist (Eligible consumer) and Mr. _____ for and on behalf of A.P.C.P.D.C.L. (Discom) agree to this agreement.

(Handwritten mark)

For Anna Educational Society

(Handwritten signature)
Secretary & Correspondent

Signature of the Eligible Developer/ Consumer Representative

Signature of the Discom

Date:

Date:

(Handwritten signature)
DEPUTY EXECUTIVE ENGINEER
OPERATION A.P.S.P.D.C.L
MARKAPUR

Witness 1:

Witness 1:

Signature:

Signature:

Name & Address:

Name & Address:

Date:

Date:

(Handwritten signature)
Sivaree Nagar
5th line
Markapur 523316
Prakasam (Dt)

(Handwritten signature)
EXECUTIVE ENGINEER
OPERATION A.P.S.P.D.C.L
MARKAPUR



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14

Annexure-E

This check is for ensuring that the SPV system is not misused. This energy limit may be computed by using 20% CUF/PLF of the installed SPV capacity

Case-1: Consumer installs a 1000 Wp SPV system and opts for Gross / Net Metering. The SPV system generates 144 units per month. Any surplus injection above 144 units shall be treated as inadvertent and no payment shall be made for it.

Case-2: Consumer installs a 5 kWp SPV system and opts for Gross / Net Metering. The SPV system generates 720 units per month. Any surplus injection above 720 units shall be treated as inadvertent and no payment shall be made for it.

(Handwritten signature)
⊗

For Anna Educational Society

⊗

(Handwritten signature)
Secretary & Correspondent

(Handwritten signature)

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Devarajugattu (Village)
Peddaraveedu Mdl, Prakasam Dt. A.P.



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wheeling to the grid---Solar power Electricity bill



Andhra Pradesh Central Power Distribution Corporation Limited
Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

H.T. Bill for the month of: MAY - 2023

Dated: 05-MAY-2023

Bill No: 2301844589

Payable on or before	20-MAY-2023	Consumer No : ONG2063
Disconnection Date	05-JUN-2023	ANNA EDUCATIONAL SOCIETY
Contracted MD(KVA)	250.00	PROP:ANNA KRISHINA CHAITANYA
Voltage(KV)	11 (COMM-FEEDER)	DEVARAJUGATTU(V) PEDDARAVEDU(M)
Category	2A1	PRAKASAM (DIST)

	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :03-APR-2023	100228.00	118779.00	29.100	1	-T1: 0.00	174295.00
Reading On :03-MAY-2023	104155.00	122709.00			+T2: 0.00	180116.00
Difference	3927.00	3930.00			-T3: 0.00	5821.00
Multiplying Factor	2.00	2.00	2.00		T4: 0.00	2.00
Total Consumption	7854.00	7860.00	58.20		+T5: 2428.00	11642.00
Main Consumption	7860.00	Colony	0.00		T6: 0.00	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00	200.00	95000.00
Energy Charges	Rs. 7.65	7860.00	60129.00
TOD Charges	(2428 * 1)		2428.00
Electricity Duty	Rs. 1.00 for	7860.00	7860.00
Electricity Duty(Solar)	Rs. 1.00 for	11642.00	11642.00
True-Up Charges(10/36)	Rs. 0.22	7298.00	1605.59
LT-HT True-Up Charges (10/36)	Rs. 0.22	17947.00	3948.35
Grid Support Charges	Rs. 15(Rooftop Solar Plant)	(INST-CAP) 250.00	3750.00
FPPCA Charges (APR-21)	Rs. 0.201	5000.00	1005.00

Arrears as on 30-04-2023				Sub Total	
	C.C.Charge	Surcharge			
Court Cases	Rs 0.00	0.00	Customer Charges		1406.00
Others	Rs 509793.56	10079.77	Late Payment Charges		11324.06
Total	Rs 509793.56	10079.77	Interest On ED		49.70
Last Paid Amount Rs. 360000.00(28-APR-2023)			Voltage Surcharge		0.00
			Wheeling Charges		0.00
			Other Charges		0.00
			Transformer Hire Charge		0.00
			ACD Surcharge		0.00
			Solar Adjust (11642 * 4.60)		-53553.20
			Round Amount		0.50
			Net Bill Amount		146595.00
			Current Year Arrears As On 30-04-2023		519873.00
			Total Amount Payable		666468.00

Rupees Six Lakh Sixty Six Thousands Four Hundred Sixty Eight Only

Note:

PAY YOUR BILL THROUGH THE SBI A/C No :37496125147

SANTHAPETA,MAIN BRANCH

IFSC CODE : SBIN0020488

Senior Accounts Officer OP. CIRCLE

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note 1:- Asking Bribe? - Call 14400.

Note 2:- ACD 30 days Notice issued on 20-04-2023

Note 3:- Net ISD Rs.30230.00 Credited in APR-2023

910103 - 360000 paid 28/4/23 - Late paid on 30/2301 519873 + 146595
= 666468/-



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Andhra Pradesh Central Power Distribution Corporation Limited

Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

H.T. Bill for the month of: APR - 2023

Dated: 05-APR-2023

Bill No: 2301817741

Payable on or before	20-APR-2023	Consumer No : ONG2063
Disconnection Date	05-MAY-2023	ANNA EDUCATIONAL SOCIETY
Contracted MD(KVA)	250.00	PROP:ANNA KRISHNA CHAITANYA
Voltage(KV)	11 (COMM-FEEDER)	DEVARAJUGATTU(V) PEDDARAVEDU(M)
Category	2A1	PRAKASAM (DIST)

	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :02-MAR-2023	96012.00	114559.00	24.700	1	-T1: 0.00	167922.00
Reading On :03-APR-2023	100228.00	118779.00			+T2: 0.00	174295.00
Difference	4216.00	4220.00			-T3: 0.00	6373.00
Multiplying Factor	2.00	2.00	2.00		T4: 0.00	2.00
Total Consumption	8432.00	8440.00	49.40		+T5: 2264.00	12746.00
Main Consumption	8440.00	Colony	0.00		T6: 0.00	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00	200.00	95000.00
Energy Charges	Rs. 7.65	8440.00	64566.00
TOD Charges	(2264* 1)		2264.00
Electricity Duty	Rs. 1.00 for	8440.00	8440.00
Electricity Duty(Solar)	Rs. 1.00 for	12746.00	12746.00
True-Up Charges(9/36)	Rs. 0.22	7298.00	1605.59
LT-HT True-Up Charges (9/36)	Rs. 0.22	17947.00	3948.35
Grid Support Charges	Rs. 15(Rooftop Solar Plant)	(INST-CAP) 250.00	3750.00

Arrears as on 31-03-2023				Sub Total	192319.94
	C.C.Charge	Surcharge		Customer Charges	1406.00
Court Cases	Rs 0.00	0.00		Late Payment Charges	10079.77
Others	Rs 744479.55	20443.78		Interest On ED	5.87
Total	Rs 744479.55	20443.78		Voltage Surcharge	0.00
Last Paid Amount Rs. 147434.00(07-NOV-2022)				Wheeling Charges	0.00
				Other Charges	0.00
				Transformer Hire Charge	0.00
				ACD Surcharge	0.00
				Solar Adjust (12746 * 4.60)	-58631.60
				Round Amount	0.02
				Net Bill Amount	145180.00
				Current Year Arrears As On 31-03-2023	764923.00
				Total Amount Payable	910103.00

Rupees Nine Lakh Ten Thousands One Hundred Three Only

Note:

PAY YOUR BILL THROUGH THE SBI A/C No :37496125147

Senior Accounts Officer - CIRCLE

SANTHAPETA,MAIN BRANCH

IFSC CODE : SBIN0020488

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note:- Asking Bribe? - Call 14400.



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Andhra Pradesh Central Power Distribution Corporation Limited

Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

H.T. Bill for the month of: MAR - 2023

Dated: 05-MAR-2023

Bill No: 2301801226

Payable on or before	20-MAR-2023	Consumer No : ONG2063				
Disconnection Date	05-APR-2023	ANNA EDUCATIONAL SOCIETY				
Contracted MD(KVA)	250.00	PROP:ANNA KRISHNA CHAITANYA				
Voltage(KV)	11 (COMM-FEEDER)	DEVARAJUGATTU(V) PEDDARAVEDU(M)				
Category	2A1	PRAKASAM (DIST) PIN : 523320				
	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :02-FEB-2023	92998.00	111544.00	18.300	1	-T1: 0.00	160604.00
Reading On :02-MAR-2023	96012.00	114559.00			+T2: 0.00	167922.00
Difference	3014.00	3015.00			-T3: 0.00	7318.00
Multiplying Factor	2.00	2.00	2.00		T4: 0.00	2.00
Total Consumption	6028.00	6030.00	36.60		+T5: 1540.00	14636.00
Main Consumption	6030.00	Colony	0.00		T6: 0.00	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00		
Energy Charges	Rs. 7.65	200.00	95000.00
TOD Charges	(1540* 1)	5000.00	38250.00
True-Up Charges(8/36)	Rs. 0.22		1540.00
LT-HT True-Up Charges (8/36)	Rs. 0.22	7298.00	1605.59
Grid Support Charges	Rs. 15(Rooftop Solar Plant)	17947.00	3948.35
		(INST-CAP) 250.00	3750.00

Arrears as on 28-02-2023				Sub Total	
	C.C.Charge	Surcharge			
Court Cases	Rs 0.00	0.00	Customer Charges		144093.94
Others	Rs 598974.61	13515.72	Late Payment Charges		1406.00
Total	Rs 598974.61	13515.72	Interest On ED		6928.06
Last Paid Amount Rs. 147434.00(07-NOV-2022)			Voltage Surcharge		5.30
			Wheeling Charges		0.00
			Other Charges		0.00
			Transformer Hire Charge		0.00
			ACD Surcharge		0.00
			Round Amount		-0.30
			Net Bill Amount		152433.00
			Current Year Arrears As On 28-02-2023		612490.00
			Total Amount Payable		764923.00

Rupees Seven Lakh Sixty Four Thousands Nine Hundred Twenty-Three Only

Note:

PAY YOUR BILL THROUGH THE SBI A/C No :37496125147

SANTHAPETA,MAIN BRANCH

IFSC CODE : SBIN0020488

Senior Accounts Officer OP. CIRCLE

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note:- Asking Bribe? - Call 14400.

received
11/3/23



d. Sensor-based energy conservation

We are using solar paneled LED Sensor lights for replacing burnt LED bulbs as and when needed. The PIR Sensor senses the motion of a human body by the change in surrounding ambient temperature when a human body passes across then it turns on the lighting load to which it is connected. The lighting load will remain ON until it senses motion. Once the motion is seized it switches OFF the lighting load.



Fig: Solar Panel with Sensor lights at entrance



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Bill of Solar Panel with Sensor Light:

10:08

0.00 KB/S Vo LTE 4G+ 77%



Tax Invoice/Bill of Supply/Cash Memo (Original for Recipient)

Sold By :

Aarmee Enterprises
D-103, SDS NRI RESIDENCY, OMEGA 2
GREATER NOIDA, UTTAR PRADESH, 201310
IN

Billing Address :

Emmadi Venkata Chandra Sekhar
1-203a-26a 1st floor, Sc Bc Colony
Markapur, ANDHRA PRADESH, 523316
IN
State/UT Code: 37

PAN No: AIYPM6859K

GST Registration No: 09AIYPM6859K1Z0

Shipping Address :

Emmadi Venkata Chandra Sekhar
Emmadi Venkata Chandra Sekhar
1-203a-26a 1st floor, Sc Bc Colony
Markapur, ANDHRA PRADESH, 523316
IN
State/UT Code: 37

Place of supply: ANDHRA PRADESH

Place of delivery: ANDHRA PRADESH

Invoice Number : IN-233

Invoice Details : UP-1391247025-2324

Invoice Date : 16.05.2023

Order Number: 408-0970879-3351564

Order Date: 16.05.2023

Sl. No	Description	Unit Price	Discount	Qty	Net Amount	Tax Rate	Tax Type	Tax Amount	Total Amount
1	Aarmee Solar Solar Powered ABS Plastic Street Light 90w Led Power, 15w Brightness (Two Years Warranty) Auto On Off, with Motion Sensor and IP65 Waterproof for Outdoor Use - Black B09PLJTLJZ (AIO-R-15W-ABS) HSN:940550	₹1,659.82	₹182.99	1	₹1,476.83	12%	IGST	₹172.22	₹1,649.05
	Shipping Charges	₹61.61	₹0.00		₹61.61	12%	IGST	₹7.39	₹69.00
TOTAL:								₹172.61	₹1,961.05

Amount in Words:

Three Thousand Nine Hundred Sixty-three Point Zero Five only

For Aarmee Enterprises:

Authorized Signatory

Whether tax is payable under reverse charge - No

Payment Transaction ID: 301AHdRY2YdSa=3Qjd	Date & Time: 16/05/2023, 11:37:32 hrs	Invoice Value: 3,963.05	Mode of Payment: Credit Card
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Peddaraveedu Mdl, Prakasam Dt. A.P.



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e. Use of LED bulbs / power efficient equipment:

The college management has provided following facilities in conserving the energy and power efficient equipment.

CRT monitors are replaced with LCD/LED Monitors. The CFL fittings with higher rating wattage are replaced with LED fittings with lower wattage with the same luminous level in street Lights and other possible areas of Campus. Energy Star certified products installed in the campus like air conditioners, refrigerator, ceiling fan and others.



LED bulbs at Classroom



Energy star rated equipment

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Diesel Generator

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INFORMATION 30 Ramu : 9440140806
Pavan : 9985642818

ANNA RAMU ELECTRICALS

Prop: ANNA RAMU
Satyanarayana Swamy Temple Side,
Near Vegetabale Market, MARKAPUR - 523 316.

No. **36** Date : 25/11/22
Kits. cable
Cell :

No.	PARTICULARS	Rate	AMOUNT Rs. Ps.
250	Balkuit Holders	11/-	2750 :- 00
300pe	9 (1/4) dedu Bawl	65/-	19500 :- 00
100	Cape - (Smithy)	20/-	2000 :- 00
50	Cape (-3/4-socket)	35/-	1750 :- 00
			<u>27,000 :- 00</u>
	9 (1/4) dedu Bawl	65/-	13000 :- 00
	2 plit Smithy 20 Cape	150/-	300 :- 00
			<u>39300 :- 00</u>

16W-83

సంకె : ఖాతాదారులు తమరున్న తేలి నుండి 1 నెలలోపు
2-00/- చ ప్రకారం వడ్డీ చెల్లించవలయును.

Signature. 26/11/22

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Bills of Power efficient equipment/A/C (3-star energy rating)

COMPOSITION TAXABLE PERSON, NOT ELIGIBLE TO COLLECT TAX ON SUPPLIES
GST No : 37AIXPA6447N1ZG Cell : 9440140806, 9985642818

ANNA RAMU ELECTRICALS

Prop : Anna Ramu
D.No: 9/165, Vegetable Market Road, MARKAPUR - 523 316, Prakasam Dist, A.P.

BILL OF SUPPLY

Serial No **263** State Code : Andhra Pradesh Original for Receipt
Date of Issue : State Code : 37 Duplicate for Supplier / Transporter
 Triplicate for Supplier

Details of Receiver / Bill to : **25/3/19**
Name : **15 IPS**
Address : **markapur**

No.	Description	code	Qty.	Rate	Total Value
	LG windows A/c 183 D2A deluxe 1.5 ton, 3 star	8415	3pc	24365	73095
	RD plast wall mount brackets		3	590	1770
	insulation, pump etc				2300
TOTAL					73095

Total Invoice amount in words : **4000**
77165

Bank Details : Axis Bank, Markapur.
Bank Account : 916020084133094
Bank Branch IFSC : UTIB0002610

Terms And Conditions : For : Anna Ramu Electricals
A T Authorised Signatory **25/3/19**

Common Seal


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Devarajugattu (Village)
Peddaraveedu Mandal, Prakasam Dt, A.P.



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Bill of Power efficient equipment/ Desktops

SL No	HSN	DESCRIPTION	GST Rate	QTY	RATE	Amount
1		HP DESKTOP 15/8GB RAM/320 GB SSD 20" MONITOR KEYBOARD & MOUSE		25 NoS	15300	382500.00
TOTAL AMOUNT						
Rupees : Three Lakhs Eighty Two Thousand Five Hundred Only						382500.00

TAX INVOICE CUM DELIVERY CHALLAN
GSTIN:36AALFM92664F1ZW

MICROBASE TECHNOLOGIES
115/B, Vengala Rao Nagar, HYDERABAD - 500038
email : micro.base@hotmail.com


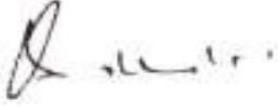
YOUR PURCHASE ORDER : VERBAL
DATE: 19-01-2021

TO
M/s. KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES
DEVARAJUGATTU
MARKAPUR, ANDHRA PRADESH, INDIA

INVOICE NO : 09
DATE : 22-01-2021

GSTIN/ UIN : 36AAGFK7489K1ZL

for Microbase Technologies



Authorised Signatory


PRINCIPAL
KRISHNA CHAITANYA INSTITUTE
OF TECHNOLOGY & SCIENCES
Devarajugattu (Village)
Peddaraveedu Mandal, Prakasam Dt., A.P.



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21-2-22
Cash Paid Generator services
24-3-22



24 X 7 KOEL CARE Helpline: 8806334433/18002333344

Service Dealer Name: Sai Marutti Technical Services		TAX INVOICE															
Address: UND - 4 - 15, 25-4 Specialized Complex, Anjanipally, P.O. Guntur ANDHRA PRADESH 522002		PARTS TAX INVOICE DETAILS															
Contact Number: 728772694/8553918		TAX INVOICE															
COMMISSION RATE		(Under Rule 46)															
CSTN: 37ACFS3982R1ZR		Invoice No: 54303201202075															
CIN		Invoice Date: 24-03-2022															
Bill to Customer		Customer PO No															
Name: Anna Educational Society		Date															
Address: MARKAPURAM		Payment Term															
State: ANDHRA PRADESH		Transaction Type															
State Code: A.P.		Transaction No: 3423															
GSTIN: 37ACFS3982R1ZR		Ship to Customer															
Name: Anna Educational Society		Name															
Address: MARKAPURAM		Address															
State: ANDHRA PRADESH		Customer Id															
State Code: A.P.		Phone Number: 9290629761															
GSTIN: 37ACFS3982R1ZR		State Code: A.P.															
Serial No: 1810032		S. Number															
Sr. No.	Part No.	Description of Goods/Service	HSN/SAC	Qty.	Unit	Rate/Per Item	Total	Discount	Taxable Value	CGST Amt (INR)	SGST Rate (%)	SGST Amt (INR)	IGST Rate (%)	IGST Amt (INR)	UTGST/VC Rate (%)	UTGST/VC Amt (INR)	
1	871560.10.0.1.3	KOEL CARE Premium Genuine Oil 13 Liters	27101800	1	No	362.86	362.86		362.86	36.29	9	326.57		326.57			
2	871560.10.0.0.7	KOEL CARE Premium Genuine Oil 7.5 Liters	27101800	1	No	212.17	212.17		212.17	21.22	9	190.95		190.95			
3	064216.01.0.0.0	SPINON LUBE OIL FILTER	84212300	1	No	394.92	394.92		394.92	39.49	9	355.43		355.43			
4	841193.02.0.0.0	BYPASS FILTER	84212300	1	No	1082.20	1082.20		1082.20	108.22	9	973.98		973.98			
5	3H132.01.0.0.0	FUEL FILTER ELEMENT PRIMARY	84212300	1	No	346.51	346.51		346.51	34.65	9	311.86		311.86			
6	3H132.02.0.0.0	FUEL FILTER ELEMENT SECONDARY	84212300	1	No	246.91	246.91		246.91	24.69	9	222.22		222.22			
7	FREE	FRIGHT & TRANSPORT CHARGE		1	No	150.00	150.00		150.00	15.00	9	135.00		135.00			
Total Invoice Value							8793.56		8793.56	879.36	9	7914.20		7914.20			
Round Off							10340.98		10340.98	1034.10	9	9306.88		9306.88			
Total Invoice Value (Payable)							10341.00		10341.00	1034.10	9	9306.90		9306.90			
Total Invoice Value (in Words)										Rupees: Ten Thousand Three Hundred Fourty One Only							
Amount To be Paid Subject to Reverse Charge																	
Terms & Conditions																	

Authorized KOEL CARE Service Dealer
Sai Marutti Technical Services
K.O.E.L. CARE Helpline Email ID: KOEL.Helpline@airtelmail.com
(Customer Signature)

P.Y. Lakshminarayana
P. Ramakrishna
Checked (EFA)

Received

Always Use KOEL CARE Genuine Spare Parts for Optimum performance of Engine



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Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

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Kirloskar care

Date: 29/Jan/22

To,

Anna Educational Society

Anna's Residency, Markapuram, Prakasam, Andhra Pradesh - 523316

Kind Attn: Mr. Subbarao

Dear Sir,

It gives us immense pleasure to welcome you to Kirloskar BANDHAN family.

We thank you for choosing Kirloskar BANDHAN and giving us the opportunity to take care of your KOEL/ Kirloskar Green asset. It is our privilege to serve you. We shall ensure that you always avail the best of our services through our 5 promises:

- Proactiveness
- Speed - Response & Restoration
- First Time Right
- One Stop Solution
- Complete Service Ownership

Kindly take a note of the following important details pertaining to your online purchase:

- Engine Serial Number : 6H.8419/1820042
- Instance ID of your KOEL Green Genset : 100355963
- Invoice No and Date : 272215248010186 Dt. 29/Jan/22
- Start date of contract : 01/Feb/22
- End date of contract : 31/Jan/25

For any assistance, you can always contact our 24X7 helpdesk @ **8806334433** or Email us on koel.helpdesk@kirloskar.com

Note: Please mention your Genset Instance ID/ Engine Serial Number as mentioned above while contacting our 24x7 Helpdesk to track your genset easily and serve you better.

We once again thank you very much for choosing Kirloskar BANDHAN and assure you of our best services always.

Regards,

Ayyaj M Shaikh
(Head - Customer Support)

Enclosure : Scope, Inclusion and Exclusion of Kirloskar BANDHAN Service Package.

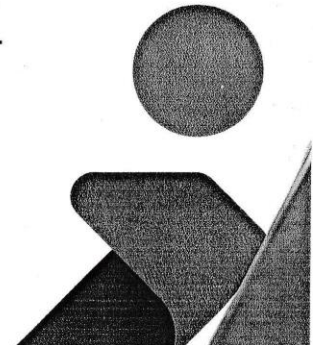
Kirloskar Oil Engines Limited
A Kirloskar Group Company

Regd. Office: Laxmanrao Kirloskar Road,
Khadki, Pune, Maharashtra - 411 003, India.

24x7 KOEL Helpdesk Number - 880 633 4433

Email : koel.helpdesk@kirloskar.com | Website : koel.kirloskar.com

CIN : L29120PN2009PLC133351



7.1.2.2

2. Management of the various types of degradable and non degradable waste



7.1.2.2 The facilities in the Institution for the management of the following types of degradable and non-degradable waste.

KITS is an eco-friendly campus implementing, the 3R principle of Reduce, Reuse and Recycle,

- Reduce the quantity of waste produced,
- Reuse everything to its maximum extent after proper segregation,
- Cleaning and keeping things aside which can be Recycled,
- Recyclables are handed over to appropriate agencies.

Institute's Environmental policy is to achieve zero discharge in future and to utilize waste with well-designed strategies to make the campus clean and healthy.

The NSS unit organizes various awareness programs, like tree plantations etc. The importance of waste management and disposal is taught through courses (Environmental Studies, Solid and Hazardous waste Management etc.). The waste generated in campus is classified into the following types:

- a. Solid waste**
- b. Liquid waste**
- c. Bio-medical waste**
- d. Hazardous chemicals and radioactive waste management**
- e. E-waste.**

a. Solid waste

Total solid waste generated on campus is approximately 0.5 ton/ day, comprises of biodegradable (paper, food waste, vegetable peels, leaves, sanitary), non-biodegradable (plastics, metal), chemical waste, negligible amounts of e-waste and hazardous wastes.

- The college canteen consciously makes an effort to reduce the use of plastic. 'Use and throw' items like plastic cups, plates used are replaced by reusable steel glasses and plates. Glass, paper and metal is sold to recyclers.
- Waste segregation at source is followed by employing Dry, Wet and color bins.

- Food waste is used as input for the biogas plant and resulting sludge is used a



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- Dead leaves and the waste papers are not put on fire, but are buried.
- Lab records and other paper waste are sold to the vendors.
- Bio-degradable plates and glasses, especially during the events are encouraged.
-

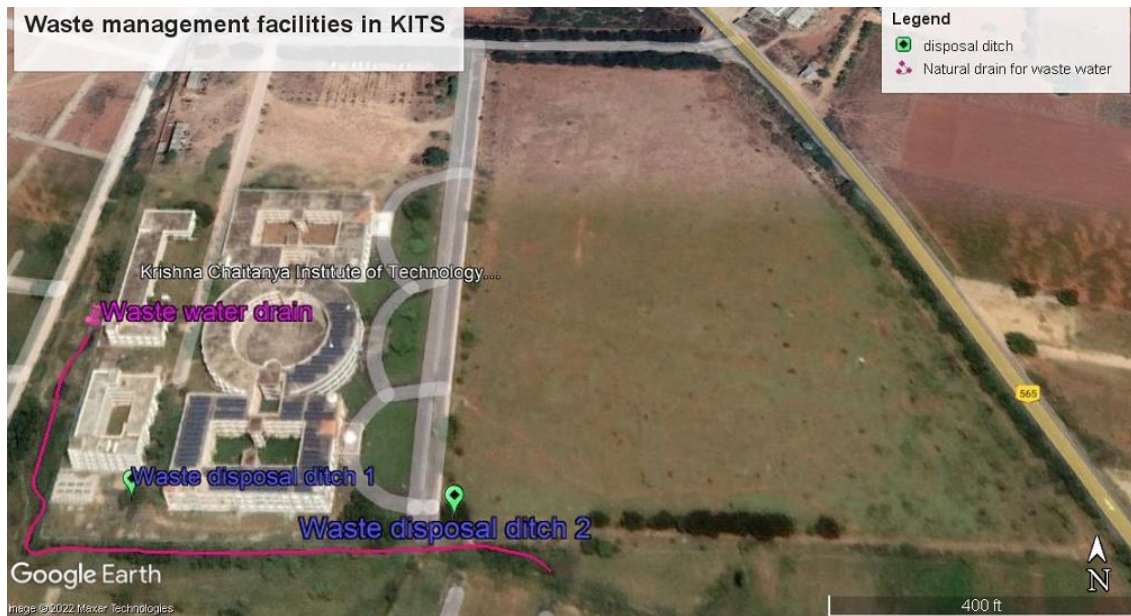


Figure Solid waste liquid waste management facility on campus

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markapur, Andhra Pradesh, India
Unnamed Road, kits Andhra Pradesh 523329, India
Lat '5.787946°
Long 79.25895°



KITS devarajugattu markapur, Andhra Pradesh, India
KITS devarajugattu Andhra Pradesh 523329, India
Lat 15.787946° Long 79.25895°



KITS devarajugattu markapur, Andhra Pradesh, India
KITS devarajugattu Andhra Pradesh 523329, India
Lat 15.787946° Long 79.25895°

Sanitary waste bin

E- waste bin

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Solid waste collection

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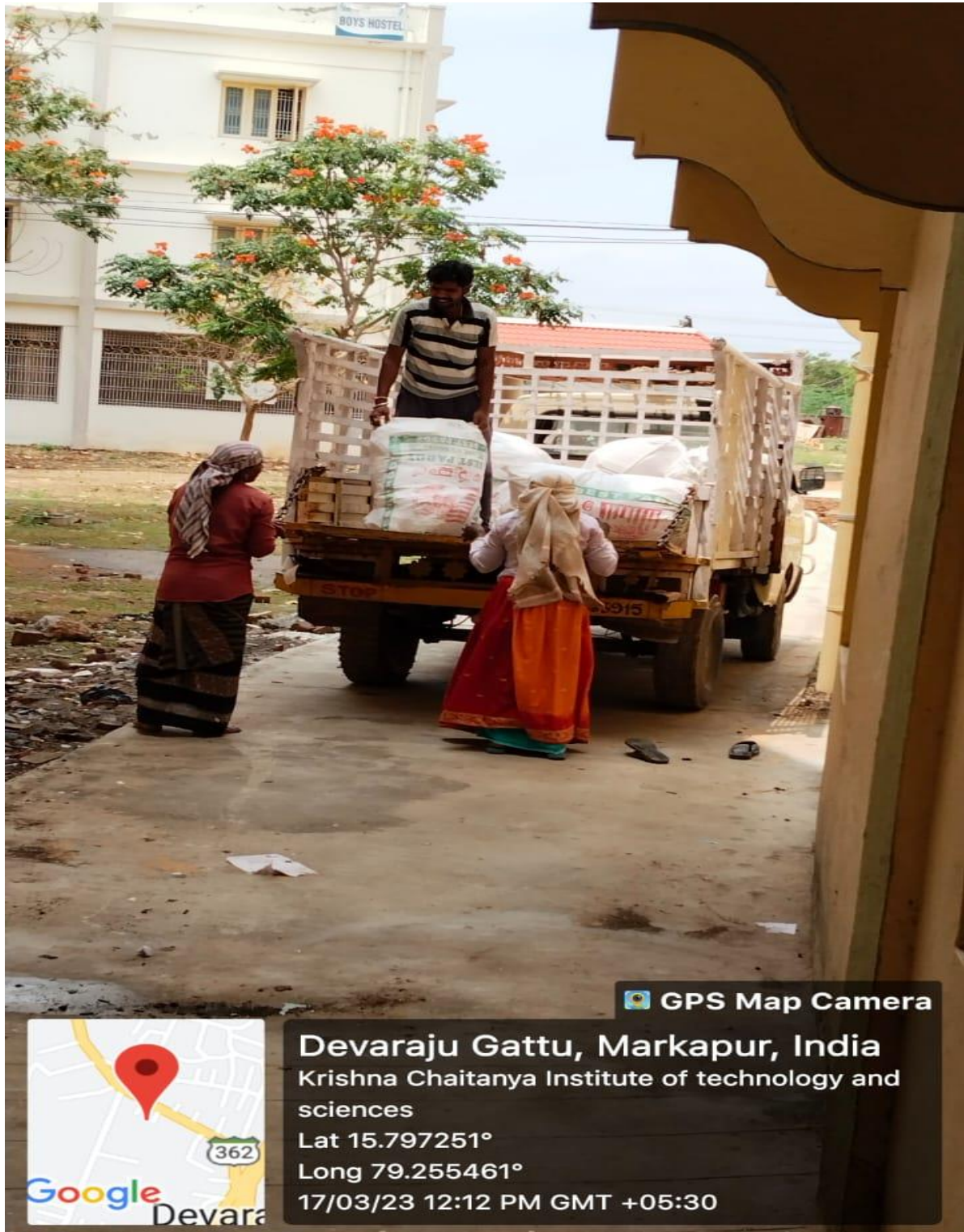


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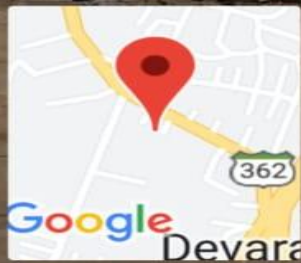
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GPS Map Camera



Devaraju Gattu, Markapur, India

Krishna Chaitanya Institute of technology and sciences

Lat 15.797251°

Long 79.255461°

17/03/23 12:12 PM GMT +05:30

Solid waste collection

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b. Liquid waste

Effluents from various blocks, water used for washing and cleaning of utensils etc....from canteen, RO plant are the liquid waste.

As the college is located in rural/ un-sewered area, sanitary facilities-waste water is disposed-off into septic tanks located in the campus.

A full-fledged sewage treatment plant for re-cycling, within the campus to achieve the goal of zero discharge campus is planned in future.

- Efficient roof-top rain water management system controls and collects rain water through harvesting ditches to improve ground water recharge.
- The sewerage lines are frequently cleaned and bleached.
- Laboratories waste water is very small in quantity; hence released after diluting.
- RO waste water is used for gardening after clarifying it.
- Kitchen waste water is used for cattle feeding.
- The excess wastewater will be directed into a dedicated drain passing near by the campus.



Figure: Waste water Pipeline



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c. Biomedical waste



Sanitary and very little bio medical waste is incinerated on-campus.

d. Hazardous chemical waste

- No classified hazardous waste is generated in the campus.
- The acids used in chemical experiments are highly diluted before disposal into sewerage lines.




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e. E-Waste

Each department consolidates the end of life/non-functioning electronic and computing equipment (computers, chips, keyboards).

To minimize the new procurement of IT assets,

- Reusing through refurbishment/recycling of components
- Replace the spares/ repairing to reduce the e-waste to the maximum, are practiced.

Electrical maintenance team regularly monitors E-waste generation and collects electrical waste, stores, to periodically segregate and disposes to scrap merchants.



Fig: E-waste

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7.1.2.3

3. Water conservation



7.1.2.3 Water conservation facilities available in the Institution:

KIT's campus is spread over 17.84 acres of land on the outskirts of the Markapur town. Campus holds various types of buildings viz. A- Block, B-Block, C-Block, MBA-Block, Boys hostel, gym and library etc. (**fig 1**). The college has been effortful from the very beginning and its efforts are on in the direction of water conservation with self-reliability.

The Facilities available in the Institution:

- a. Rain water harvesting
- b. Bore well /Open well recharge
- c. Construction of tanks and bunds
- d. Waste water recycling
- e. Maintenance of water bodies and distribution system in the campus



Fig 1: Different building roofs with rain water holding capacity



a. Rain water Harvesting:

For the Ground water conservation in the institution, Rain water harvesting pits at 7 locations are identified and are installed at suitable locations as shown in following figures.

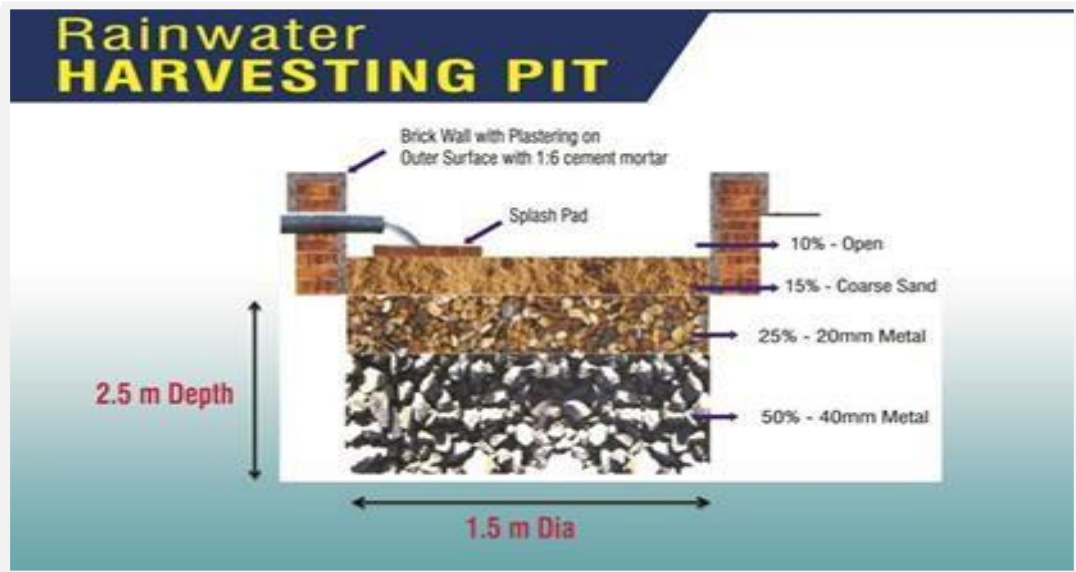


Fig 2: Rain water harvesting ditch design used in campus



Fig 3: Water conservation facilities in campus



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All the rainwater in each block is collected from roof top and this water is directed to rainwater harvesting pits situated at each block. So, these water sources are recharged with the available rain water during the monsoon season and measures are taken in constructing rain water harvesting ditches so the maximum runoff water is collected and stored. In every building the drainage system is in such a way that, all the rain water from roof of buildings is collected and is directed towards open well recharge pit/pond which is situated at lower elevation (Fig .9 &10) situated.



Fig 4 : Rainwater harvesting Ditch-1 at Canteen Backside



Fig 5 : Rainwater harvesting Ditch-2 at C-Block

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Fig 6: Rainwater harvesting Ditch-3 at Security Opposite



Fig 7: Rainwater harvesting Ditch-4 at Entrance

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Fig 8: Rainwater harvesting Ditch-5 at A-Block Opposite

Out of 7 rain water harvesting ditches, 2 ditches are left unlined, so that they can act as pond/water body to help ecosystem. Roof-top rain water management system is in place. All utility networks are frequently checked and cleaned.

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b. Bore well/ Open well recharge:

Six units of bore wells having depth of 300 feet for sub-soil water availability to cater the need of students and faculty. All such bore well's manipulated in such a way that the accumulated rain water in campus directly and automatically flow towards bore well. I.e. the plumbing work is done so that the collected rain water of terrace of institution buildings is directly accumulated in the 300 ft. deep bore.



Fig9: Bore wells in campus

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c. Construction of tanks and bunds

Four overhead tanks having capacity of 57,600, 57,600, 33,210 and 21000 litres respectively and one sump for storage of water having capacity of 24,500 litres are present in the campus to serve the water requirement. To retain maximum amount of water on the campus the garden committee undertakes the drive of tree plantation across the campus. The college in collaboration with the Forest Department takes care of densely tree planted area. Further, we organize several drives and events to go for harvesting even at the unit level.



Fig10: Sump located before Boys hostel

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Fig 11 : Overhead Water tank at Block-A



Fig 12: overhead water tank at Canteen



Fig 13: overhead water tank at Block C

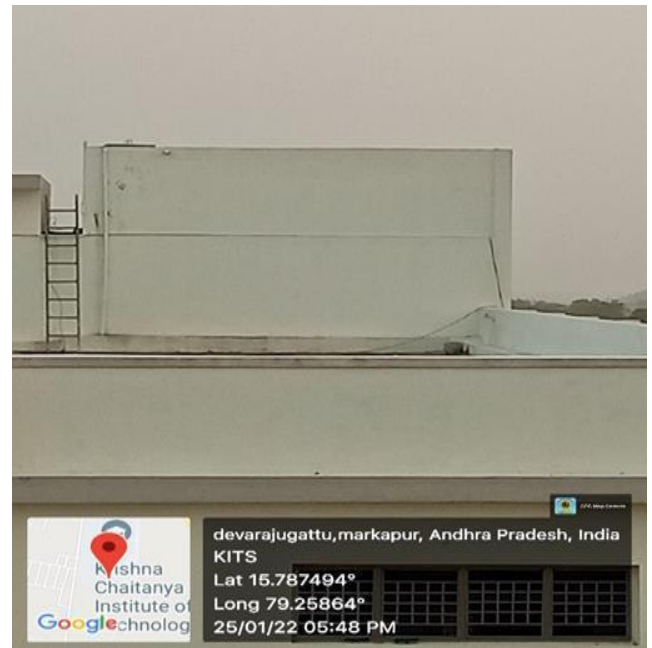


Fig 14: overhead water tank at Hostel

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d. Waste water recycling

- As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed-off into septic tanks located at different places in the campus. Canteen waste water is used for gardening, watering trees etc. The excess waste water will be directed into natural drain passing near by the college campus.
- Waste water generated from the laboratories is very small in quantity; hence they are released after diluting them to replenish ground water.
- RO plant wastewater is diluted with canteen waste water and used for gardening, watering trees etc.
- The future idea of the college is to establish full-fledged sewage treatment plant for sewage treatment and recycling the same fully within the campus, thus achieving the goal of zero discharge campus.



Fig15 : Waste management in campus for solid and liquid waste



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

- Rain water harvesting ditches are constructed such that they act as open wells as well. The rain water run-off is controlled and collected into water pond to improve ground water recharging. The open recharge at KITS increased the ground water level in nearby bore wells and recharged the ground water aquifer as well.
- Annually flushing the distribution system and checking all the fire hydrant valves. Corrective maintenance is carried out when a part of system is fulfilled its service life, replacing it with necessary new parts. To reduce the harmful bacterial activities chlorine tabs has been used.



Fig 16: Water distribution utility System in campus



Fig17 : Water distribution utility System in campus



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Fig 18: Sprinklers watering for gardening in A-Block



Fig 19: Drip irrigation system for gardening



Fig 20: Drinking water connection directly from RO plant (distribution)



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Fig 21: RO plant in KITS campus


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Fig 22: Water distribution in campus

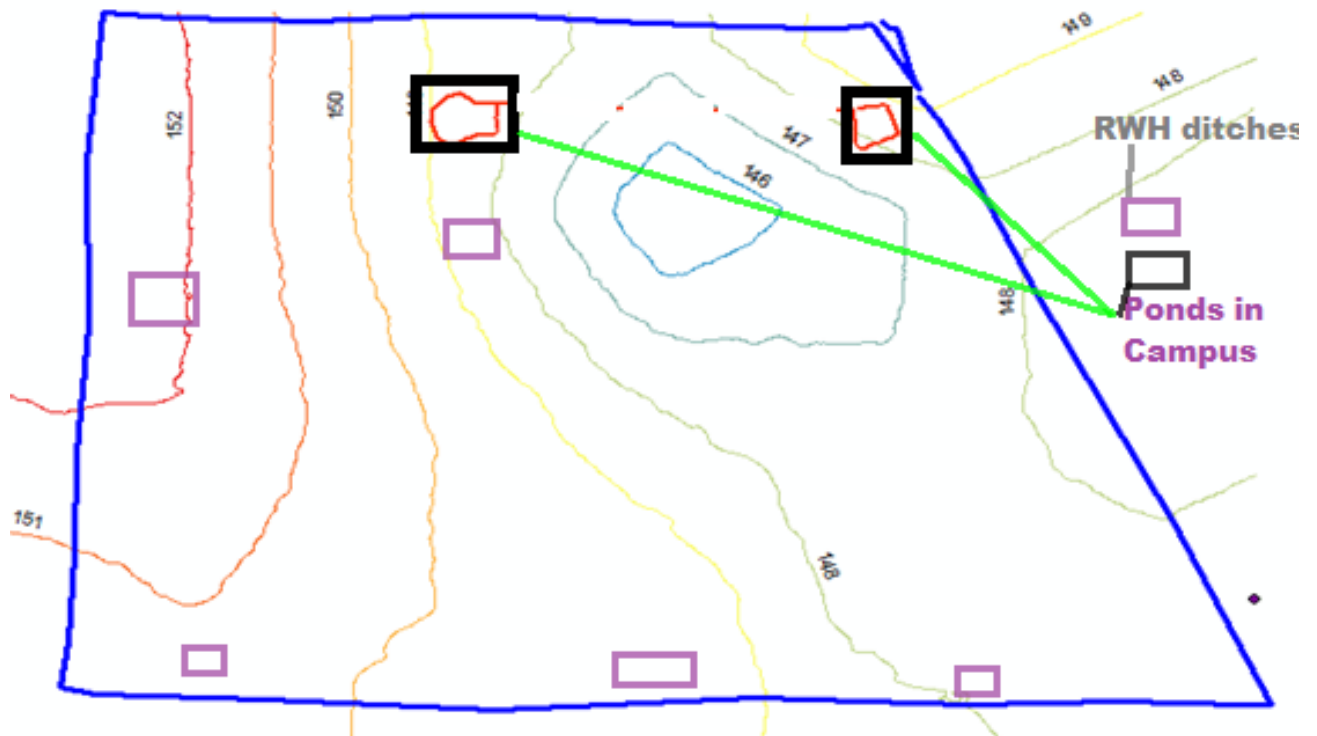


Fig 23: Water bodies or ponds constructed based on contour levels in campus

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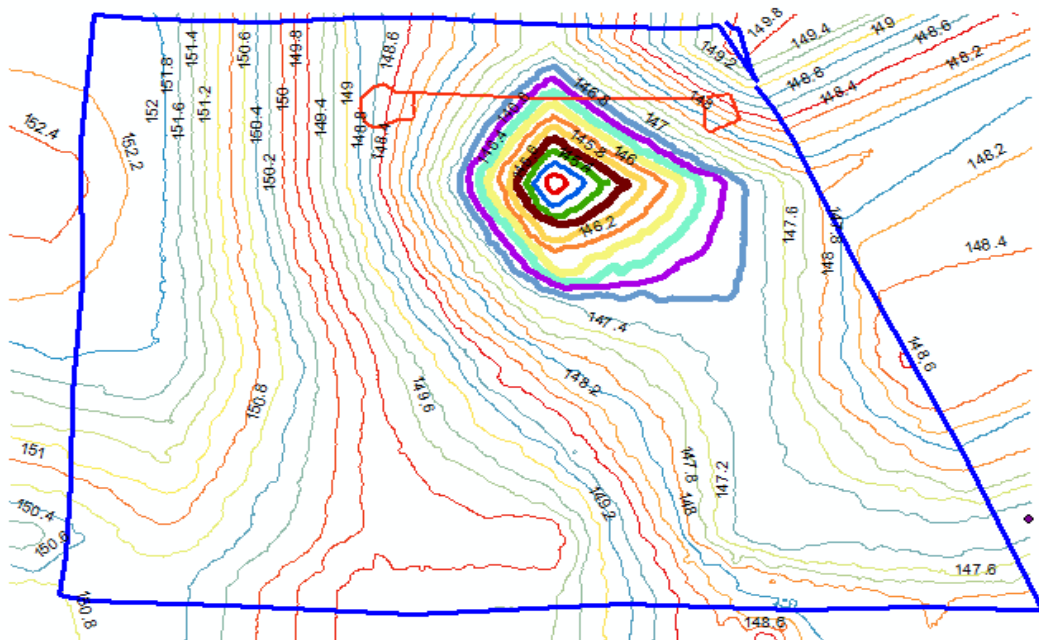
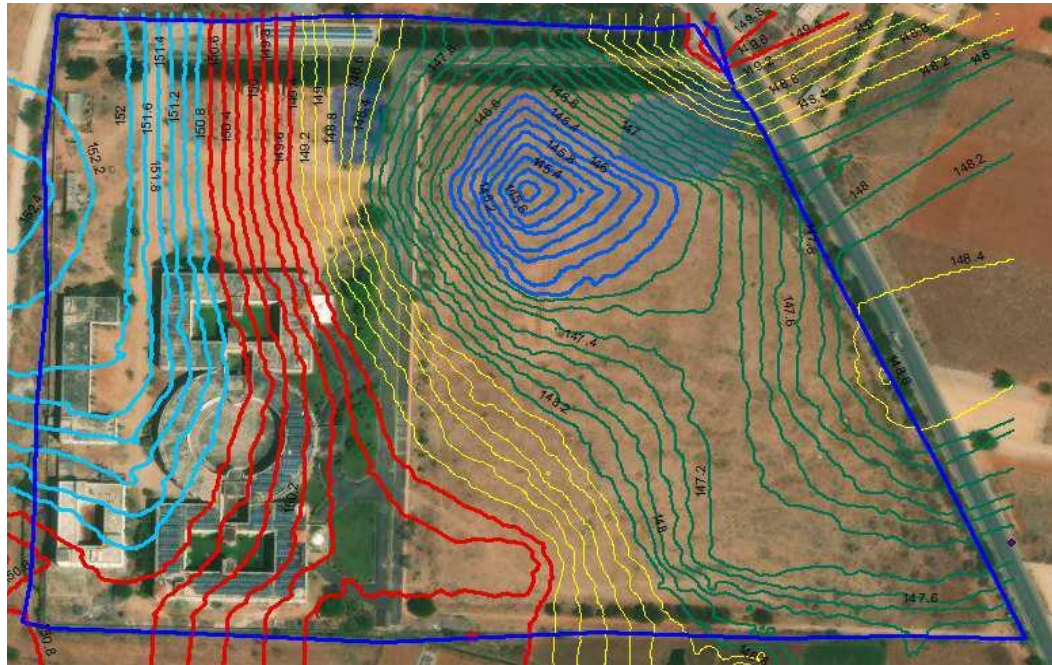


Fig 24: Contour maps of KITS College

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Date: 07/10/2020

SANITARY CERTIFICATE


This is to certify that KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES, Sponsored by ANNA EDUCATIONAL SOCIETY, has been maintaining the following as per the standards of sanitary norms.

The college has sufficient number of bore wells for the common purpose of water usage and are maintaining R.O. system for drinking water purpose and providing 4 ltr per day for each student.

The college has sufficient number of toilet rooms including urinal points and wash rooms separately to utilize the sanitary needs to the students and staff and including hand wash material etc.,

The college appointed 10 sweepers / scavengers to maintain the college premises clean twice in a day and toilets 6 times per day as per sanitary norms by using the phenol and other material.

The college has been maintaining a good underground drainage systems and the waste water is diverting through underground water sump. No spillage of waste water in the college premises.


07/10/2020
MEDICAL OFFICER
MPHC,
PEDDARAVEEDU
PRAKASAM DISTRICT.

MEDICAL OFFICER
M.P.H.C., PEDDARAVEEDU
Prakasam Dist., Andhra Pradesh



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❖ Bills of Water Conservation Facilities available in campus

A. Bill of materials Purchased for the construction and maintenance of Rain water harvesting ditches

GST No. 37AAUPV0213C3ZO **BILL** Cell: 9642009393, 9440782445

SRI SEETHARAMA IRON SYNDICATE
Prop : V. Suresh Kumar
Naidu Street, MARKAPUR - 523 316.
Date 13/12/19

No. 76
Sri. K.T.S., Markapur

HSN	PARTICULARS	Rate	AMOUNT
1	2000 టన్ను = 5 ట్రిప్స్	6000	30,000-00
	అట్లై = 15 ట్రిప్స్	500	7500-00
	2000 SW = 5 ట్రిప్స్	16000	80,000-00
	220000 = 1 టన్ను	40,000	40,000-00

Bank Details : UNION BANK OF INDIA MARKAPUR A/c. 106713100004818 IFSC Code : UBIN0810673

Add: CGST :
Add: SGST :
TOTAL 157,500-00

Signature.

GST No. 37AAUPV0213C3ZO **BILL** Cell: 9642009393, 9440782445

SRI SEETHARAMA IRON SYNDICATE
Prop : V. Suresh Kumar
Naidu Street, MARKAPUR - 523 316.
Date 13/12/19

No. 74
Sri. K.T.S., Markapur

HSN	PARTICULARS	Rate	AMOUNT
	22000 = 30 టన్ను	320	9,600-00
	2000 = 8 ట్రిప్స్	5000	40,000-00

Bank Details : UNION BANK OF INDIA MARKAPUR A/c. 106713100004818 IFSC Code : UBIN0810673

Add: CGST :
Add: SGST :
TOTAL 49,600-00

Signature.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

B. Bills for materials used for bore wells

SRI SEETHARAMA AGENCIES							
Borewell Submersibles Single Phase Domestic Pumps Single Phase Jet Pumps		TEXMO INDUSTRIES		TEXMO		Agricultural Monoblocks Open - well Submersibles Electric Motors	
DEALERS : GODAVARI HDPE PIPES, FINOLEX PVC PIPES, AASHIRVAD CPVC PIPES, L&K TAPS						STD : 08596 Shop : 222595	
MARKAPUR - 523 316, Prakasam Dt. A.P.				GST : 37AC10		3887F1Z3	
Buyer's Name : <u>KITS</u>		Address : <u>Markapur</u>		TAX INVOICE CASH / CREDIT		Bill No. : <u>21</u>	
GST IN				Date : <u>4/9/18</u>			
S.No	PARTICULARS	HSN	Qty	Rate	Tax%	TaxAmount	AMOUNT
1	Tarp wet typee Submersible motor 5 HP, 26 stage		2	34867			34867/-
2	1 3/4" Ashirvada PVC pipe			3606			48860/-
3	4 sq. mm Finolex 3 core blatt sub cable			140m			11900/-
4	1 1/4" clamp, cover			550			550/-
5	Heavy Complic bend, adaptor			571			571/-
6				250			250/-
Transport						Total Amount Before Tax	
Rupees inwards						Total CGST	
KARUR VYSYA BANK, MARKAPUR, A/c No. 482013500000260, IFSC : KVBL004820						Total SGST	
						Total Amount After Tax	
						For : SRI SEETHARAMA AGENCIES 4/9/18 Signature of Dealer	

SRI SEETHARAMA AGENCIES							
Borewell Submersibles Single Phase Domestic Pumps Single Phase Jet Pumps		TEXMO INDUSTRIES		TEXMO		Agricultural Monoblocks Open - well Submersibles Electric Motors	
DEALERS : GODAVARI HDPE PIPES, FINOLEX PVC PIPES, AASHIRVAD CPVC PIPES, L&K TAPS						STD : 08596 Shop : 222595	
MARKAPUR - 523 316, Prakasam Dt. A.P.				GST : 37AC10		3887F1Z3	
Buyer's Name : <u>KITS Markapur</u>		Address : <u>Markapur</u>		TAX INVOICE CASH / CREDIT		Bill No. : <u>66</u>	
GST IN				Date : <u>5/9/18</u>			
S.No	PARTICULARS	HSN	Qty	Rate	Tax%	TaxAmount	AMOUNT
1	Casing pipe		42'	250/-			
2	6 1/2" borewell pipe		258'	360			
3	labor						700/-
4	Fittings bend						500/-
Transport						Total Amount Before Tax	
Rupees inwards						Total CGST	
KARUR VYSYA BANK, MARKAPUR, A/c No. 482013500000260, IFSC : KVBL004820						Total SGST	
						Total Amount After Tax	
						For : SRI SEETHARAMA AGENCIES 5/9/18 Signature of Dealer	

PRINCIPAL
 KRISHNA CHAITANYA INSTITUTE
 OF TECHNOLOGY & SCIENCES
 Devarajugattu (Village)
 Peddaraveedu Mdl, Prakasam Dt. A.P.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post), Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

SRI SEETHARAMA AGENCIES							
Borewell Submersibles Single Phase Domestic Pumps Single Phase Jet Pumps				Agricultural Monoblocks Open - well Submersibles Electric Motors			
DEALERS : GODAWARI HDPE PIPES, FINOLEX PVC PIPES, AASHIRVAD CPVC PIPES, LEK TAPS				STD : 08596 Shop : 222595			
MARKAPUR, 6-18, Naidu Street, GST : 37ACDPV3887F1Z3							
Buyer's Name KITS Markapur		TAX INVOICE CASH / CREDIT		Bill No. : 68			
Address		Date		2/2/18			
GST IN							
S.No.	PARTICULARS	HSN	Qty.	Rate	Tax%	Tax Amount	AMOUNT
	Stepped Coupling Strainer oil seal cable guard Cable parallel key		60m				5500/-
Transport				Total Amount Before Tax		5500	
Rupees inwards				Total CGST		55	
KARUR VYSYA BANK, MARKAPUR, A/c. No. 482013500000260, IFSC : KVBL0004820				Total SGST		55	
				Total Amount After Tax		6050/-	
1) E & O E (Goods once sold cannot be taken back) 2) Our responsibility ceases on delivery of the goods to the carriers. 3) No Warranty for Winding, Condensers & Waterseals. 4) All disputes are Subject to Markapur Jurisdiction only.				For : SRI SEETHARAMA AGENCIES Signature of Dealer			

SRI SEETHARAMA AGENCIES							
Borewell Submersibles Single Phase Domestic Pumps Single Phase Jet Pumps				Agricultural Monoblocks Open - well Submersibles Electric Motors			
DEALERS : GODAWARI HDPE PIPES, FINOLEX PVC PIPES, AASHIRVAD CPVC PIPES, LEK TAPS				STD : 08596 Shop : 222595			
MARKAPUR, 6-18, Naidu Street, GST : 37ACDPV3887F1Z3							
Buyer's Name KITS Markapur		TAX INVOICE CASH / CREDIT		Bill No. : 59			
Address		Date		2/2/2018			
GST IN							
S.No.	PARTICULARS	HSN	Qty.	Rate	Tax%	Tax Amount	AMOUNT
	3 phase motor A/c		3	6870/-			20610/-
Transport				Total Amount Before Tax			
Rupees inwards				Total CGST		-	
KARUR VYSYA BANK, MARKAPUR, A/c. No. 482013500000260, IFSC : KVBL0004820				Total SGST			
				Total Amount After Tax		20610/-	
1) E & O E (Goods once sold cannot be taken back) 2) Our responsibility ceases on delivery of the goods to the carriers. 3) No Warranty for Winding, Condensers & Waterseals. 4) All disputes are Subject to Markapur Jurisdiction only.				For : SRI SEETHARAMA AGENCIES Signature of Dealer			

PRINCIPAL
KRISHNA CHAITANYA INSTITUTE
OF TECHNOLOGY & SCIENCES
Devarajugattu (Village)
Peddaraveedu Mdl, Prakasam Dt. A.P.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

C. Bills for materials used for constructing Sump, open well

SRI SEETHA RAMA TRADERS					
Opp.: Bajaj Show Room, College Road, MARKAPUR - 523 316 , Prakasam Dt., A.P.					
GSTIN : 37AXYPR0961N1ZD					
TAX INVOICE (CASH / CREDIT)					
Invoice No:			Reverse Charge (Y/N) :		
Invoice Date : 273			Vehicle No. :		
State : Andhra Pradesh Code : 37			GSTIN :		
			Cell No. :		
Details of Receiver / Billed to :			GSTIN/UIN :		
Name : KITS			State: Code :		
Address : Markapur					
S. No.	Products Description	HSN/ACS CODE	Qty.	Rate	Total Value
	సాబుల వస్త్రాలు		30	280	8400
	పింట్		2000	3,800	76,000
	కాంక్రీట్				12,500
	టూల్స్, బాష్పలు				3,800
	విద్యుత్				3,000
Total Invoice Amount in words :			Total Amount before Tax : 1,03,700		
.....			Add : CGST :		
Bank Details : Axis Bank, Markapur			Add : SGST :		
Bank A/c No. : 918020075969707			Total Tax Amount :		
Bank IFSC : UTIB0002610			Total Amount after Tax :		
Common Seal			Certified that the particulars given above are true and correct For : SRI SEETHA RAMA TRADERS		
			Authorised Signatory <i>[Signature]</i>		

[Signature]
PRINCIPAL
KRISHNA CHAITANYA INSTITUTE
OF TECHNOLOGY & SCIENCES
 Devarajugattu (Village)
 Peddaraveedu Md, Prakasam Dt, A.P.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post), Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

D. Bills for materials used for maintenance of water bodies and distribution system in campus

TAX INVOICE		Cell : 9912943756			
GSTIN : 37BQGPM2536J2ZL		Invoice No. :	29		
SAMPOORNA ENTERPRISES		Invoice Date :	29/01/2020		
H.O : HSC 0212, Marumasiadinagar, 2nd Street, NELLORE.					
B.O : Revenue Colony, Kurnool Road, ONGOLE, Prakasam Dt. (A.P.)					
Bills To: Krishna Chaitanya Institute of Technology & Sciences (Anma Educational Society) Devarajugattu (V) Peddaraveedu (M) Prakasam Dist. (A.P.)		Delivery To			
GSTIN: Devarajugattu (V) Peddaraveedu (M) Prakasam Dist. (A.P.)		GSTIN No			
State: Andhra Pradesh		Vehicle No			
State Code: 52		Transport			
S.No	Description of Goods	HSN/SAC	Qty	Rate	Amount
①	700rpm 10HP, Booster pump POMPS, 3PS. <u>Kirtankar K DS</u>		2	35000/-	70,000/-
TOTAL					70,000/-
Discount					-
CGST 6%					4200
SGST 6%					4200
Grand Total					78,400/-
Rupees in words: <u>Seventy eight thousand</u> <u>Four hundred. Rupees</u>					
Bank details : Bank Name : SBI BANK Bank A/c : 35263516903 IFSC Code : SBIN0012919 Branch : Kurnool Road, Ongole.					
Declaration : I/We declare that this invoice shows that actual price of the goods described and that all particulars are true and correct.					
For SAMPOORNA ENTERPRISES <i>M. V. K.</i> Authorised Signature					

[Signature]
PRINCIPAL
KRISHNA CHAITANYA INSTITUTE
OF TECHNOLOGY & SCIENCES
Devarajugattu (Village)
Peddaraveedu Md, Prakasam Dt, A.P.



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

TAX INVOICE				Cell : 9912943756	
GSTIN : 37BQGPM2536J2ZL			Invoice No. :	31	
SAMPOORNA ENTERPRISES			Invoice Date :	20/01/2020	
R.O : HSC 0212, Mahanarasiddnagar, 2nd Street, NELLORE.					
B.O : Revenue Colony, Kumool Road, ONGOLE, Prakasam Dt (A.P).					
Pin : 523 002, e-mail : sefresale@services2016@gmail.com					
Bill To : Krishna Chaitanya Institute of Technology & Sciences (Anva Educational Society) Devarajugattu (V), Peddaraveedu State : Andhra Pradesh State Code : 37			Delivery To : GSTIN No : Vehicle No : Transport :		
S. No.	Description of Goods	HSN /SAC	Qty.	Rate	Amount
01	30mth length Rubber-Ita- Reel drum, jct		12	4283	51400/-
TOTAL					51400/-
Rupees in words : Sixty Thousand Six hundred					Discount
Add Two Rupee.					---
Bank details : Bank Name : SBI BANK Bank A/c : 36263518003 IFSC Code : SBIN012919 Branch : Kumool Road, Ongole.					CGST 9%
					4626/-00
					SGST 9%
					4626/-00
					Grand Total
					60,652/-00
Declaration : I/We declare that this invoice shows that actual price of the goods described and that all particulars are true and correct					For SAMPOORNA ENTERPRISES Authorised Signature

PRINCIPAL
KRISHNA CHAITANYA INSTITUTE
OF TECHNOLOGY & SCIENCES
Devarajugattu (Village)
Peddaraveedu Mdl, Prakasam Dt, A.P.

Tax Invoice

V.R.WATER TECHNICS VIJAYAWADA
 D.No:7-247,KCP Colony,
 Vasanthi Nagar Post,Krishna Dist,
 Vijaywada
 GSTIN/UIN: 37ACYPV6790N1Z3
 State Name : Andhra Pradesh, Code : 37
 E-Mail : vnr@vrvwatertechnics.com

Consignee
 Krishna Chaitanya Institute of Technology & Science
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam District, Andhra Pradesh
 State Name : Andhra Pradesh, Code : 37

Buyer (if other than consignee)
 Krishna Chaitanya Institute of Technology & Science
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam District, Andhra Pradesh
 State Name : Andhra Pradesh, Code : 37

Invoice No. **VIRVJA/20-21/110** Dated **13-Nov-2020**
 Delivery Note Mode/Terms of Payment
 Supplier's Ref. Other Reference(s)
 Buyer's Order No. Dated
 Dispatch Document No. Delivery Note Date
 Despatched through Destination **MARKAPURAM**
 Terms of Delivery

Self
 RECEIVED
 BY THE
 BUYER TO THE
 EXTENT OF
 THIS INVOICE
 VALUE ONLY
 DATE: 13/11/2020
 SIGNATURE: [Signature]
 NAME: [Name]

Sl. No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	500 LPH R.O Water Plant	8421	1 Nos	1,15,000.00	Nos	1,15,000.00
Total			1 Nos			₹ 1,15,000.00

Amount Chargeable (in words)
 Indian Rupees One Lakh Fifteen Thousand Only

E. & O.E

Company's Bank Details
 Bank Name : Indian Overseas Bank
 A/c No. : 24010200000261
 Branch & IFS Code : PENAMALURU & IOBA0003511

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for V.R.WATER TECHNICS VIJAYAWADA
 [Signature]
 Authorised Signatory

This is a Computer Generated Invoice
 Date: 13/11/2020

PRINCIPAL
 KRISHNA CHAITANYA INSTITUTE
 OF TECHNOLOGY & SCIENCES
 Devarajugattu (Village)
 Peddaraveedu Mdl, Prakasam Dt. A.P.

Tax Invoice

V.R.WATER TECHNICS VJW 22-23
 7-247, KCP COLONY,
 VASANTHA NAGAR POST,
 VIJAYAWADA, KRISHNA
 GSTIN/UIN: 37ACYPV5790N1Z3
 State Name : Andhra Pradesh, Code : 37
 E-Mail : accounts@vrwatertechnics.com

Invoice No. **VRVIJ/22-23/001** Dated **6-Apr-2022**
 Delivery Note Mode/Terms of Payment
 Supplier's Ref. Other Reference(s)
 Buyer's Order No. Dated
 Despatch Document No. Delivery Note Date
 Despatched through Destination
Markapur

Consignee
KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCE
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam.
 State Name : Andhra Pradesh, Code : 37

Terms of Delivery

Buyer (if other than consignee)
KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCE
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam.
 State Name : Andhra Pradesh, Code : 37
 Place of Supply : Andhra Pradesh

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount	
1	Ro Antiscalent Chemical	38249022	10 ltrs	200.00	lrs	2,000.00	
	CGST @ 9%				9 %	180.00	
	SGST @ 9%				9 %	180.00	
Total						10 ltrs	₹ 2,360.00

Amount Chargeable (in words)

INR Two Thousand Three Hundred Sixty Only

E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
38249022	2,000.00	9%	180.00	9%	180.00	360.00
Total	2,000.00		180.00		180.00	360.00

Tax Amount (in words) : **INR Three Hundred Sixty Only**

Remarks:

For Markapur

Company's PAN

: ACYPV5790N

Declaration

for V.R.WATER TECHNICS VJW 22-23



Received correct 10li
B.V. Sankar Kumar
Lab technician

[Signature]
 14/4/22

14/4/22

Tax Invoice

(DUPLICATE FOR TRANSPORTER)

V.R.WATER TECHNICS VIJAYAWADA (22-23)
 7-247, KCP COLONY,
 VASANTHA NAGAR POST,
 VIJAYAWADA, KRISHNA
 GSTIN/UIN: 37ACYPV5790N1Z3
 State Name : Andhra Pradesh, Code : 37
 E-Mail : accounts@vrwatertechnics.com

Invoice No.	Dated
VRVIJ/22-23/038	5-May-2022
Delivery Note	Mode/Terms of Payment
Supplier's Ref.	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	Markapur

CONSIGNEE
KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCE
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam.
 State Name : Andhra Pradesh, Code : 37

BUYER (if other than consignee)
KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCE
 Village Devarajugattu, Mandal Peddaraveedu,
 Markapur, Prakasam.
 State Name : Andhra Pradesh, Code : 37
 Place of Supply : Andhra Pradesh

SI No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	per	Amount
1	1 Hp Raw Water Pump	84137010	1 nos	7,400.00	nos	7,400.00
2	Service Charges	998719	1 nos	1,000.00	nos	1,000.00
						8,400.00
	CGST @ 6%				6 %	444.00
	SGST @ 6%				6 %	444.00
	CGST @ 9%				9 %	90.00
	SGST @ 9%				9 %	90.00
Total			2 nos			₹ 9,468.00

*Received 1 Hp Raw water pump
 B.V. Suresh Kumar
 (Lab technician)*

Amount Chargeable (in words) **INR Nine Thousand Four Hundred Sixty Eight Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
84137010	7,400.00	6%	444.00	6%	444.00	888.00
998719	1,000.00	9%	90.00	9%	90.00	180.00
Total	8,400.00		534.00		534.00	1,068.00

Tax Amount (in words) : **INR One Thousand Sixty Eight Only**

Remarks:
 For Markapur
 Company's PAN : **ACYPV5790N**

Company's Bank Details
 Bank Name : Indian Overseas Bank
 A/c No. : 240102000000261
 Branch & IFS Code : Penamaluru & IOBA0003511

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for **V.R.WATER TECHNICS VIJAYAWADA (22-23)**
 Authorised Signatory

*water plant Markapur
 6/5/22*

Tax Invoice

21-22

V.R.WATER TECHNICS HYD 21-22 5-7-18/1, Krishna Kalyan Residency Sangeetha Nagar, Kukatpally Hyderabad GSTIN/UIN: 36ACYPV5790N2Z4 State Name : Telangana, Code : 36 E-Mail : accounts@vrwatertechnics.com	Invoice No. VRHYD/21-22/463	Dated 23-Feb-2022
	Delivery Note	Mode/Terms of Payment
Consignee Krishna Chaitanya Institute of Technology & Sciences Village Devarajugattu, Mandal Peddaaraveedu, Markapur, Prakasam, Andhra Pradesh State Name : Andhra Pradesh, Code : 37	Supplier's Ref.	Other Reference(s)
	Buyer's Order No.	Dated
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Sciences Village Devarajugattu, Mandal Peddaaraveedu, Markapur, Prakasam, Andhra Pradesh State Name : Andhra Pradesh, Code : 37 Place of Supply : Andhra Pradesh	Despatch Document No.	Delivery Note Date
	Despatched through	Destination Markapur
Terms of Delivery		

SI No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	Dosing Pump NRV	8413	1 no.s	900.00	no.s		900.00
2	Dosing Pump Foot Valve	84219900	1 no.s	1,000.00	no.s		1,000.00
3	6mm Connector Pipe	39173290	2 Mtrs	65.00	Mtrs		130.00
4	Service Charges	998719	1 no.s	1,000.00	no.s		1,000.00
							3,030.00
OUT PUT IGST							545.40
Total							In ₹ 3,575.40

Amount Chargeable (in words) E. & O E
Indian Rupees Three Thousand Five Hundred Seventy Five and Forty paise Only

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
8413	900.00	18%	162.00	162.00
84219900	1,000.00	18%	180.00	180.00
39173290	130.00	18%	23.40	23.40
998719	1,000.00	18%	180.00	180.00
Total			545.40	545.40

Tax Amount (in words) : **Indian Rupees Five Hundred Forty Five and Forty paise Only**

Remarks:
 for Markapur
 Company's PAN : ACYPV5790

B.V. Suresh Kumar (Lab Technician)

Company's Bank Details
 Bank Name : Indian Overseas Bank A/c
 A/c No. : 118002000002914
 Branch & IFS Code : Raj Bhavan Road & IOBA0001180

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for V.R.WATER TECHNICS HYD 21-22
 Authorised Signatory

2023 Feb 10/2022

Tax Invoice

R.R Enterprises Nellore 26-15-19, Iskcon City Kondayapalem Nellore City Andhrapradesh-524004 State Name : Andhra Pradesh, Code : 37 E-Mail : rrenterprises.vnr@gmail.com	Invoice No. 146	Dated 23-Mar-2022
	Delivery Note	Mode/Terms of Payment
Consignee Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37	Supplier's Ref.	Other Reference(s)
	Buyer's Order No.	Dated
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37	Despatch Document No.	Delivery Note Date
	Despatched through	Destination Markapur
	Terms of Delivery	

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	FRP 1665 VESSEL(PENTAIR)	2 nos	3,500.00	nos	7,000.00
2	Silux	100 kgs	15.00	kgs	1,500.00
3	PP Yarn Catridge Jumbo 20"	10 nos	600.00	nos	6,000.00
4	RO Antiscalent Chemical	5 ltrs	360.00	ltrs	1,800.00
5	Raiser Pipe	20 feets	128.15	feets	2,563.00
6	Service Charges	1 nos	1,000.00	nos	1,000.00
Total					₹ 19,863.00

Amount Chargeable (in words) E. & O.E
INR Nineteen Thousand Eight Hundred Sixty Three Only

Company's Bank Details
 Bank Name : **HDFC Bank**
 A/c No. : **50200057745769**
 Branch & IFS Code : **NELLORE & HDFC0005869**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for R.R Enterprises Nellore
 Authorised Signatory

This is a Computer Generated Invoice




Tax Invoice

R.R Enterprises Nellore 26-15-19, Iskcon City Kondayapalam Nellore City Andhrapradesh-524004 State Name : Andhra Pradesh, Code : 37 E-Mail : rrenterprises.vnr@gmail.com		Invoice No. 128	Dated 28-Feb-2022		
		Delivery Note	Mode/Terms of Payment		
Consignee Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Supplier's Ref.	Other Reference(s)		
		Buyer's Order No.	Dated		
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Dispatch Document No.	Delivery Note Date		
		Despatched through	Destination Markapur		
Terms of Delivery					

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	Filter Media Sand Pebbles	3 bags	750.00	bags	2,250.00
2	PP Yarn Cartridge Jumbo 20"	20 nos	600.00	nos	12,000.00
3	25nb Softner Front Facing Mpv	1 nos	4,500.00	nos	4,500.00
4	Ro Antiscalent Chemical	15 ltrs	360.00	ltrs	5,400.00
5	Service Charges	1 nos	1,000.00	nos	1,000.00
Total					₹ 25,150.00
Amount Chargeable (in words) INR Twenty Five Thousand One Hundred Fifty Only					E & O E
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.		Company's Bank Details Bank Name : HDFC Bank A/c No. : 50200057745769 Branch & IFS Code : NELLORE & HDFC0005369 for R.R Enterprises Nellore			
		_____ Authorised Signatory			

This is a Computer Generated Invoice



enter Pleat by
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Tax Invoice

R.R Enterprises Nellore 26-16-10, Iskon City Kondayapalem Nellore City Andhrapradesh-524004 State Name : Andhra Pradesh, Code : 37 E-Mail : rronterprises.vnr@gmail.com		Invoice No. 076	Dated 9-Dec-2021	
		Delivery Note	Mode/Terms of Payment	
Consignee Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Supplier's Ref.	Other Reference(s)	
		Buyer's Order No.	Dated	
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Dispatch Document No.	Delivery Note Date	
		Dispatched through	Destination Markapur	
		Terms of Delivery		

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	Dosing Pump Pipe	10 mtrs	55.00	mtrs	550.00
2	FILTER MEDIA SAND	5 nos	600.00	nos	3,000.00
3	Ranel Box Repair	1 nos	4,000.00	nos	4,000.00
4	Dosing Pump	1 nos	5,500.00	nos	5,500.00
5	2-15 High Pressure Pump	1 nos	15,000.00	nos	15,000.00
6	PP Yarn Cartridge Jumbo 20"	10 nos	600.00	nos	6,000.00
7	Ro Antiscalant Chemical	15 ltrs	360.00	ltrs	5,400.00
8	Service Charges	1 nos	1,000.00	nos	1,000.00
Total					₹ 40,450.00

Amount Chargeable (in words) E. & O.E
 INR Forty Thousand Four Hundred Fifty Only

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : HDFC Bank
 A/c No. : 50200057745769
 Branch & IFS Code : NELLORE & HDFC0005869

for R.R Enterprises Nellore

Authorized Signatory

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Tax Invoice

R.R Enterprises Nellore 26-15-19, Iskcon City Kondayapalem Nellore City Andhrapradesh-524004 State Name : Andhra Pradesh, Code : 37 E-Mail : rrenterprises.vnr@gmail.com		Invoice No.	Dated		
		045	28-Sep-2021		
Consignee Krishna Chaitanya Institute of Technology & Science Devarajugallu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Delivery Note	Mode/Terms of Payment		
		Supplier's Ref.	Other Reference(s)		
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Science Devarajugallu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Buyer's Order No.	Dated		
		Despatch Document No.	Delivery Note Date		
		Despatched through	Destination Markapur		
		Terms of Delivery			

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	25nb Softner Front Facing Mpv	3 nos	4,500.00	nos	13,500.00
2	MEMBRANE CLEANING	1 nos	5,000.00	nos	5,000.00
3	Ro Antiscalent Chemical	10 ltrs	360.00	ltrs	3,600.00
4	PP Yarn Cartridge Jumbo 20"	15 nos	600.00	nos	9,000.00
5	RO SKID 32sqmm 1-E with Aster	1 nos	4,200.00	nos	4,200.00
6	A.C.S.-600 IV CARBON	75 kgs	55.00	kgs	4,125.00
7	Service Charges	1 nos	1,000.00	nos	1,000.00
Total					₹ 40,425.00

Amount Chargeable (in words) E. & O.E
INR Forty Thousand Four Hundred Twenty Five Only

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : HDFC Bank
 A/c No. : 50200057745769
 Branch & IFS Code : NELLORE & HDFC0005869

for R.R Enterprises Nellore

Authorized Signatory

This is a Computer Generated Invoice



Tax Invoice

R.R Enterprises Nellore 26-15-19, Iskcon City Kondayapalem Nellore City Andhrapradesh-524004 State Name : Andhra Pradesh, Code : 37 E-Mail : rrenterprises.vnr@gmail.com		Invoice No.	Dated	
		045	28-Sep-2021	
Consignee Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Delivery Note	Mode/Terms of Payment	
		Supplier's Ref.	Other Reference(s)	
Buyer (if other than consignee) Krishna Chaitanya Institute of Technology & Science Devarajugattu, Markapur Prakasam District State Name : Andhra Pradesh, Code : 37		Buyer's Order No.	Dated	
		Despatch Document No.	Delivery Note Date	
		Despatched through	Destination	
		Markapur		
		Terms of Delivery		

Sl No.	Description of Goods	Quantity	Rate	per	Amount
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Company's Bank Details
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 Branch & IFS Code : NELLORE & HDFC0005869

for R.R Enterprises Nellore

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7.1.2.4

4. Green campus initiatives



7.1.2.4 Green campus initiatives:

- The Campus is Green and Clean. Tree plantation drives are organized regularly to create clean and green campus. The institute has planted and maintained different varieties of flowering trees, ornamental trees and shrubs to keep the institute free from pollution. Depending on the tree conditions, appropriate risk mitigation measures such as pruning, removal of wilted Branch, treatment of pest and disease, and cabling and propping to support trees are prescribed. Chopping of trees is done.
- Good lawns are landscaped in front of buildings and inside lawns are also present in A and B blocks. A lot of expenditure is incurred to keep the environment green as campus is located in semi-arid area with scanty rainfall. For this the college support staff is working whole heartedly. The College is planting trees every year with the help of the students and staff.
- Following are the Green campus initiatives in the campus
 - a. Restricted entry of automobiles
 - b. Use of Bicycles/ Battery powered vehicles
 - c. Pedestrian Friendly pathways
 - d. Ban on use of Plastic
 - e. landscaping with trees and plants

a. Restricted entry of automobiles

Restricted entry for automobiles is being maintained inside the campus for pollution-free environment.

The college has made arrangements for parking vehicles in a separate shed. The students park their vehicles and college buses are also parked at the college gate in the parking place provided by the college in order to keep the college environment pollution free. This helps in keeping the campus clean as much as possible. The college has taken up preventive measures to check the emission of carbon-dioxide.

The college encourages the employees and students to use public transport, bicycles, etc. to limit the emissions. Our college has a fleet of buses to transport many students from different places within the city and in suburban areas. This initiative helps in reducing pollution and consumption of petrol.



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Fig 1: Restricted entry of vehicles into campus



Fig 2: Restricted entry of vehicles into campus

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Fig 3: Vehicle parking at college entrance



Fig 4: Parking area

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b. Use of Bicycles/Battery powered vehicles

Students and staff are using battery powered bikes. Staff recharge their bikes in campus

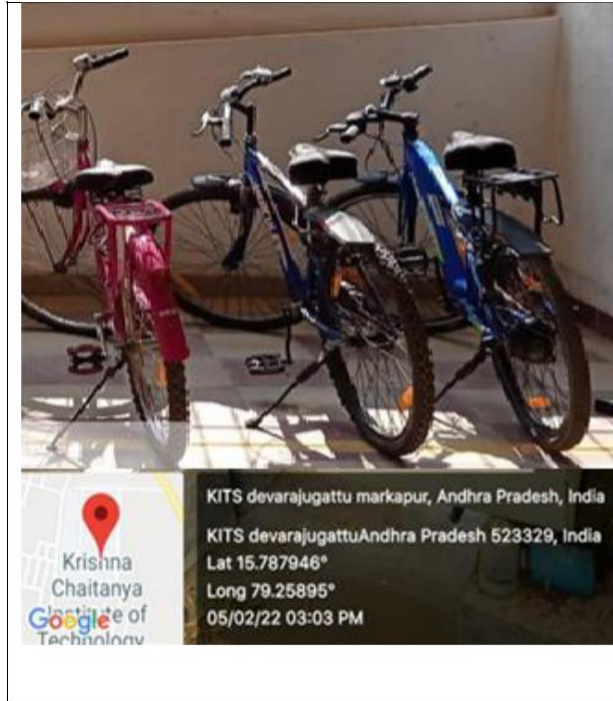


Fig 5: Bicycle in the campus



Fig 6: Battery operated vehicles of Student



Fig 7: Battery operated vehicles of staff

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c. Pedestrian Friendly pathways

Our college adheres to the pedestrian-friendly walkways in in the campus. The approach road from the main road and the roads within the campus are laid with tar road 30 feet width. The path from the main gate to the academic buildings has Pedestrian friendly foot paths. Roads inside campus are strictly prohibited for use of two-wheelers and four-wheelers except utility vehicles. The roads are fully used only for pedestrian purpose. All vehicles should be parked in the respective places allotted by the security and they are not allowed to enter beyond the barricade placed at the entrance of the campus, unless if there is an emergency or special case. Pedestrian-friendly pathways are properly marked with suitable logo /sign.



Fig 8: Pedestrian friendly pathways from the entrance of the college



d. Ban on use of Plastic

Our college is committed to make the campus plastic-free zone. 'Use and throw' items like plastic cups, plates etc. used in the college canteen are replaced by reusable items of steel glasses and plates. The college continuously committed to work towards plastic-free campus. Awareness activities are conducted to promote reduced use of plastic inside and outside the campus. NSS conducts education program in this regard.

In the campus there is complete ban on single-use plastics in class room, labs canteens in the institution's premises and hostels. Policy is in place to convert our campus into a Plastic-free campus. Within the context of our Green campus policy we commit to ban the use of plastics, to reduce the environmental impact of waste plastics.



Fig9 :Posters encouraging no plastic policy in campus

Fig 10 :Posters encouraging to stop using single use plastic


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e. Landscaping with trees and plants

The College campus is known for its green spaces. Gardeners are employed to take care and maintain the green cover on campus. Buildings and sidewalks inside the campus are well hedged with trees and lawns. Tree plantation drives- Forests are seen as carbon sinks. Every year they plant at least 500 saplings. The NSS units and student clubs of the college, plant tree sapling in and around the campus during special occasions to make a greener and carbon neutralized campus. The institute has organized various tree Plantation program at College Campus and surrounding villages through NSS unit. This activity is done during the month of Aug-Sep and this program helps in maintaining eco - friendly environment as well as provides pure oxygen within the institute.

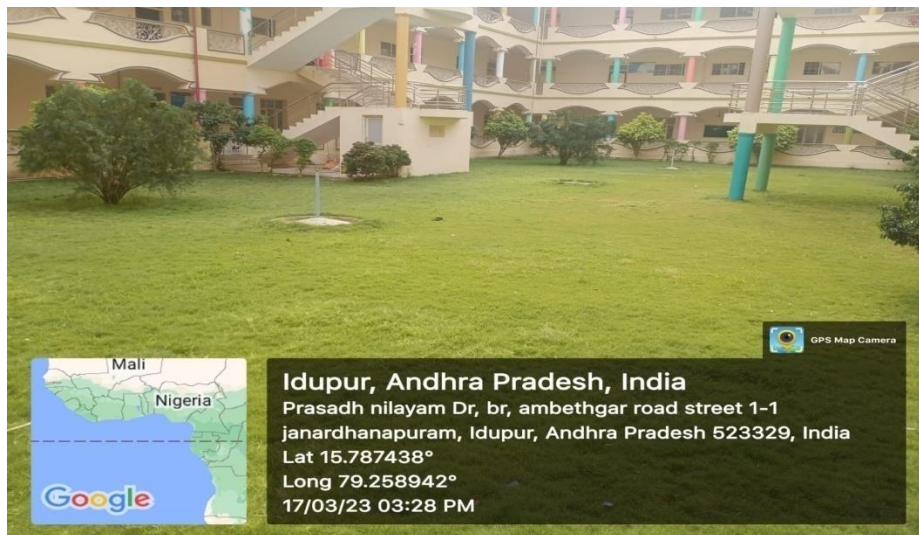


Fig 11: Green lawns at A-Block



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Fig 12: Landscaping of Grass and Trees in campus

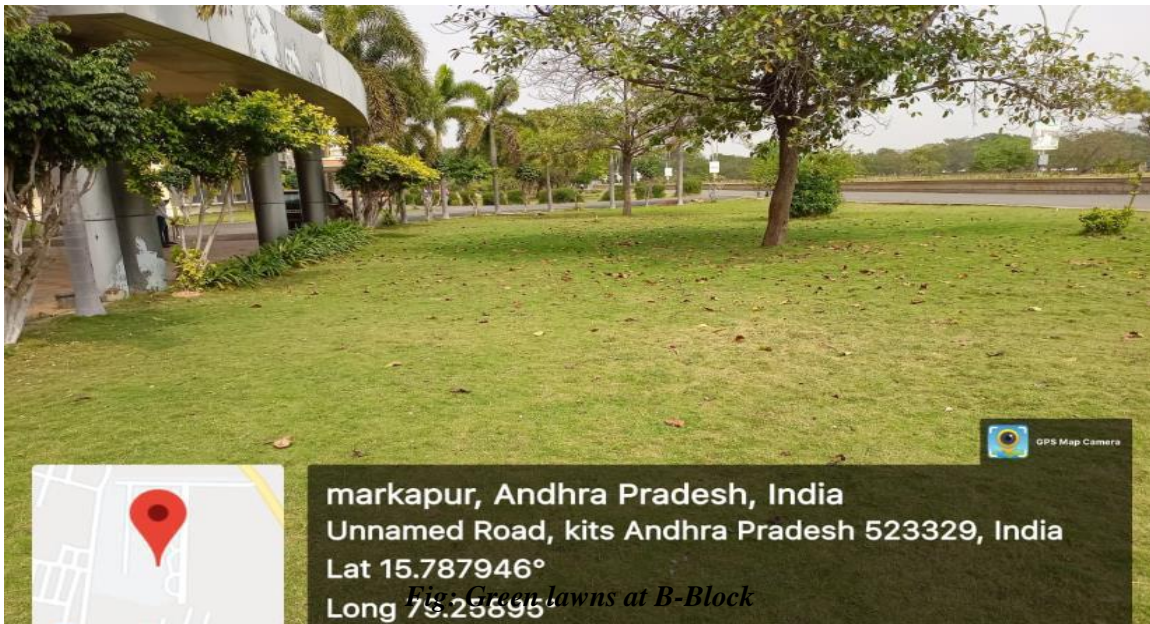


Fig. Green lawns at B-Block

Fig13: Green lawns in campus at A-Block

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Fig 14: Green lawns in campus at B-Block

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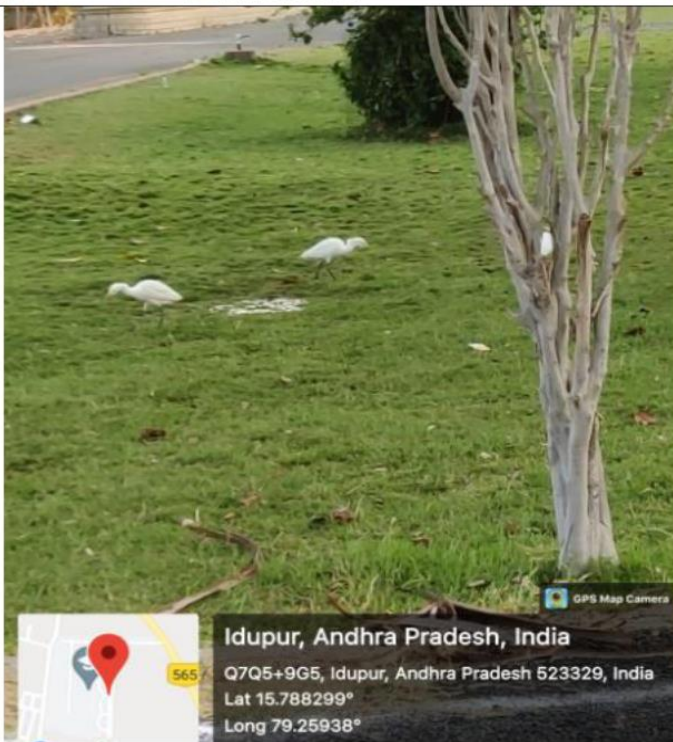
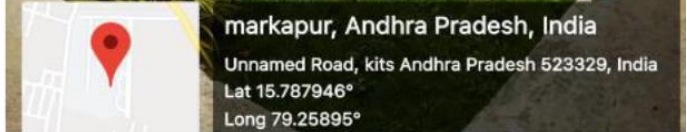


Fig 15: Green lawns in campus at C-Block

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Policy Document on Green campus /Plastic free campus

Introduction

A clean and hygienic atmosphere encourages effective learning and provides healthy environment for learning. With the intention of addressing the environmental issues, numerous efforts are being enforced throughout the world. Environmental Management Systems (EMS) has gained widespread recognition in the industrial sector. The environmental sustainability is building its way in the current world and educational institutions should make their contribution towards it.

Only few environmental standards are there related to Indian educational system. So, each institute is evolving with locally-applicable techniques for sustainable environment and environmental monitoring. This monitoring system aids the institution to set environmental examples for the community and also to instruct young learners and creates awareness among staff and students about suitable use of resources. The monitoring system adapts periodical green, environmental and energy audit, plantation drives and survey of campus environment.

Concept of a Green campus

Green Campus Policy

A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

KITS believes that, the concept of a green campus promotes environmental sustainability where all the processes and operational functions of the campus are closely interweaved, providing educational and practical value to the institution and the surrounding environment as there is an urgent need to address these fundamental problems.



Institute Environmental Aims and Objectives:

KITS is striving to develop its institution on a self – sustainable basis in the areas of power, water and cleanliness

The faculty, staff and students have to contribute collectively to develop an eco – friendly sustainable campus and disseminate the concept of eco – friendly culture to the nearby community and wherever possible.

Awareness creations about environmental issues among students and employees including climate change. Measure and reduce environmental emissions/ footprints

OBJECTIVES OF KITS GREEN POLICY

- To encourage students/Faculties to keep environment clean.
- To educate students/Faculties to create awareness amongst public.
- To make students/Faculties understand the importance of environment and its problem areas.

APPROACHES TO ACHIEVE KITS GREEN POLICY

- To sensitize the students/Faculties to minimize the use of polluting product.
- To continue the usage of renewable sources of energy such as solar power.

KITS should make its own contributions towards a sustainable future. Being a responsible institution, the college has initiated Green Campus' initiative measures which include

- Re-use of one side printed papers, E-circulars through WhatsApp or social platforms, which encourages less paper utilization,
- Green land-scaping, gardening and maintenance, through dedicated gardening committee
- Restricted entry of auto-mobiles into the campus etc.
- Biogas generation (Gober gas), using cattle dung from in-campus da dairy farm as and when required.
- Periodical awareness programs on environment and sustainability
- Improving energy efficiency and conserving resources by using Solar plant and LED bulbs and sensor equipment.
- Incorporating steam cooking in the mess.



Solid Waste Recycle & Reductions:


Our college believes in reducing or minimizing the waste. The following initiatives are practiced: Recycling is an important way to collect waste materials and turn them into useful products that can be sold in market place. Five major types of materials that can be recycled and sold to vendors after onsite segregation.

- a. Paper products (includes newspapers, magazines, office paper & card boards),
- b. Glass,
- c. Aluminum,
- d. Steel and
- e. some types of plastics.

E-Waste: e-waste Management is put in practice for proper disposal of end of life, and non-functioning electronic computing equipment's after reducing, reusing and refurbishing to the maximum.

Other eco-friendly future practices advised to be followed in campus are,

- Keep a stack of paper that has been printed on one side and use it for day to day rough paper work.
- Use more readout material in soft form. Reduce the hard readout material. Use more of e-mail for officially communicating the information needed, online reading etc.
- Minimize the use of fertilizers and pesticides in college grounds, opting to the use of compost produced on site wherever possible.
- Ensure that all cleaning products used by college staff have a negligible harmful impact on the environment.
- Use two types of bins separately for biodegradable and non-biodegradable wastes in the college campus as well as in hostels.
- Reusing the class room furniture by altering them, thereby reducing the metal waste.


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7.1.2.5

***5. Disabled-friendly, barrier free
environment***



7.1.2.5 The Institution has disabled –friendly, barrier free environment:

Right of persons With Disabilities Act, 2016: prohibits discrimination against individuals with physical and mental disabilities. KITS is against all kinds of discrimination on any grounds including disability. The institute aims to design its programs, administrations, and activities accessible to the students. All the authorities of the institute are striving in order to extending a helping hand towards the differently abled so as to make sure about the benefits of grounds programs, administrations, and activities. These guidelines apply to all the Institute Faculty and staff.

KITS has facility for comprehensive education for people with disabilities in the campus. This college will be enabling Unit for persons with disabilities. The enabling unit will be integrated by a coordinator who will be the principal. A counsellor-cum-placement officer shall be appointed for the unit amongst the faculty members of the college.

Considering the various functions and activities of the unit, required supporting staff shall be provided by institute. The unit shall work in the coordination with expert committee for persons with disabilities for implementation of university policy for persons with disabilities.

Assessing the educational needs of persons with disabilities enrolled in the higher education. Conducting awareness programs for teachers about the approaches to teaching, evaluations procedures, etc, which they should adapt in the case of students with disability .providing support to the students with disability and assist them in getting appropriate employment after they studies. Conducting regular remedial coaching classes for persons with disabilities.

Facilities available for Employee and students

- a) Built environment with ramps/lifts for easy access to classrooms.
- b) Disabled-friendly washrooms
- c) Signage including tactile path, lights, display boards and signposts
- d) Assistive technology and facilities for Divyangjan accessible Website, screen-reading software ,mechanized equipment
- e) Provision for enquiry and information : Human assistance, reader, Scribe, soft copies of reading material, screen reading



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a) Built environment with ramps/lifts for easy access to class rooms

As per the persons with disabilities act 2016 discrimination against disabilities is sternly prohibited, KITS intends to provide all-inclusive and comprehensive teaching and learning environment to students and employees. Targeting to this, college has made ramps for easy access to the facilities wherever necessary. All the Academic Buildings, Officers, Guest Houses, Library, Health Centre, Student Activity Centre and Canteens are barrier free.

b) Disabled-friendly washrooms

Each building in the college has barrier free access to the entire infrastructure. Hence certain washrooms are built with ramp and no barrier to facilitate the easy access for the differently abled people.

c) Signage including tactile path, lights, display boards and sign posts

Necessary infrastructure along with class rooms, laboratories, library, other buildings and washrooms are earmarked with requisite signage boards, directions for easy accessibility. Building layout indicating location of all the rooms are displayed at each junction/wherever necessary. To effortlessly locate various amenities, sign posts are positioned at different tangible areas.

d) Assistive technology and facilities for persons with disabilities (Divyan-jan) accessible Website, screen-reading software, mechanized equipment

Details of the Software for Providing Assistance for Specially-Abled Persons

The college is equipped with the following free software and equipment.

- i. Non-Visual Desktop Access(NVDA)
- ii. Live Transcribe
- iii. Sound Amplifier
- iv. Braille Blaster

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i. Non-Visual Desktop Access(NVDA)

- It is a free, open-source, globally accessible screen reader for the blind and vision impaired Divyang-jan. This software is designed by the blind, provides access to technology no matter What, the language, location or financial situation is.
- Institute believes that every blind or vision impaired person deserves the right to freely and easily access a computer

i. Live Transcribe

- It is a convenient app designed for the deaf and hearing –impaired person and can be used by anyone
- Using Google’s high-tech automatic speech recognition technology, Live Transcribe performs real-time transcription of speech and sound to text on the screen, so that deaf person can participate more easily in conversations going in the world around him.

ii. Sound Amplifier

It is an app on Android device with wired headphones to filter, augment and amplify the sounds in our environment. This app helps to hear better in noisy areas. There are many people with varying degrees of hearing loss but this app tackles the problem, makes it easier to hear. The app uses phone or headphone’s microphone to sift through

Ambient sounds and enhance frequencies relates to speech while reducing unnecessary noise.

iii. Braille Blaster.

KITS has equipped selected desktops with this software. Braille Blaster depends on Liblouis , a renowned open-source Braille interpreter, for translating text and mathematics to Braille. Braille Blaster takes advantage of the rich markup contained in NIMAS(National Instructional Materials Accessibility Standard) files to automate basic formatting and gives you tools to make advanced takes quicker and easier. Designed primarily for editing textbooks that meet the specifications published by the Braille Authority of north America , the purpose of Braille Blaster is to help Braille producers ensure that every student has their Braille textbooks on the first day of class. The development of Braille Blaster and modification to Liblouis are part of the REAL plan (Resources with enhanced Accessibility for learning)



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The REAL plan is an ongoing initiative of the American printing house for the blind to improve the conversion and delivery of Braille and other accessible formats to students who are blind.

e. provision for enquiry and information: Human assistance, reader , scribe ,soft copies of reading material , screen reading

Information brochure for Divyangjan

1. College has built lift and ramps in all the accessory places where the disabled people can use facilities, relevant to these facilities the necessary documents attached with the policy brochure.
2. With the help of construction of facilities college has facilitated disabled friendly washroom in the specified place which is closer to lift, staircase and class rooms.
3. College has rectified and placed signage boards in all the necessary disabled friendly Accessible points for creating barrier free movement .
4. College accessed with Braille blaster, non visual desktop access open software but if any such student admits college has promised commitment to provide all the required facilities to support, encourage and to uplift all such classes of people.

College has constituted group of scribes to help disabled students to write the examination in any circumstances providing them extended time duration and the same document as provided in the policy brochure

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a. Built environment with ramps/lifts for easy access to class rooms

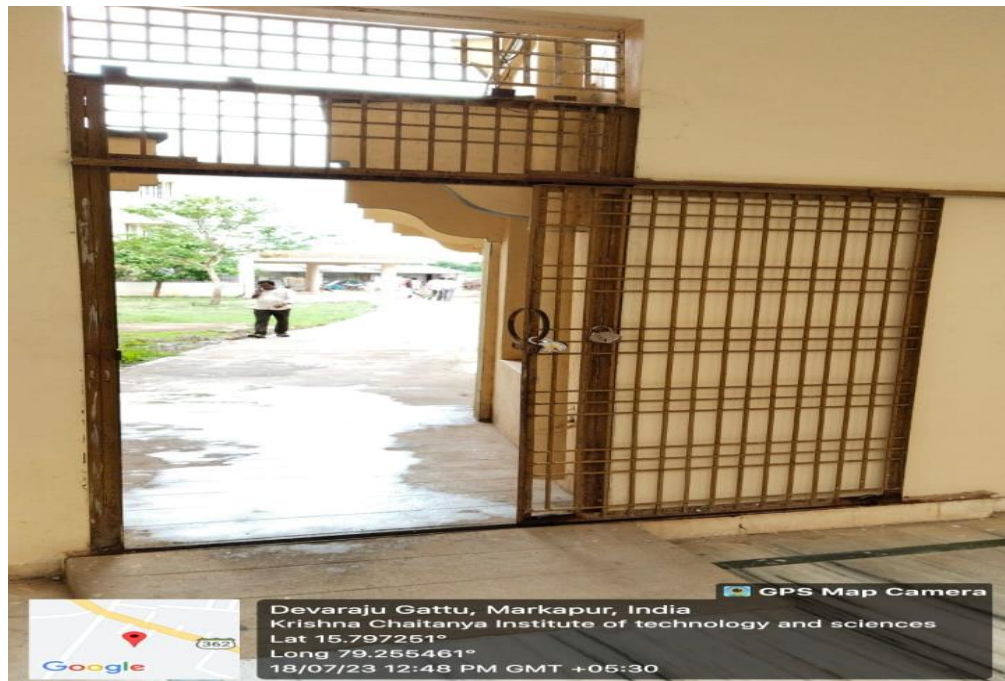


Figure 1 ramps for easy access to canteen and library



Figure 2 Barrier free class rooms/laboratories



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b. Divyangjan friendly washrooms



Figure 3 Disabled-friendly washrooms

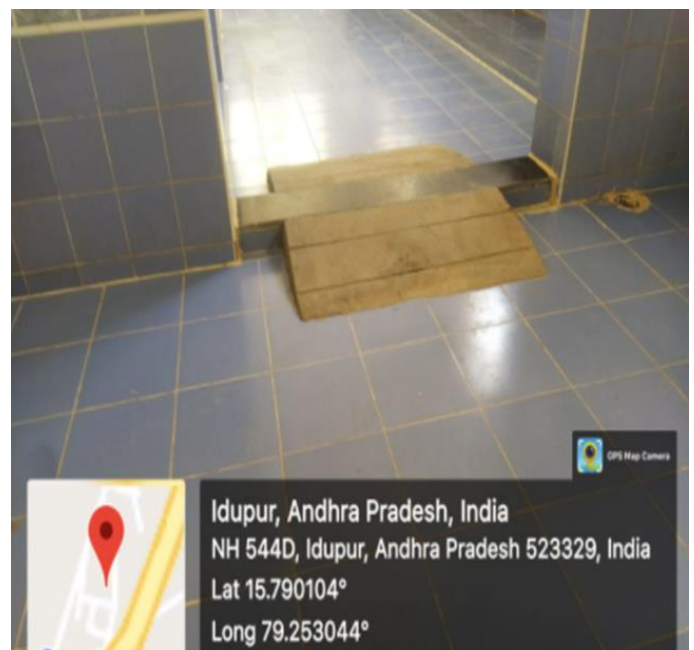
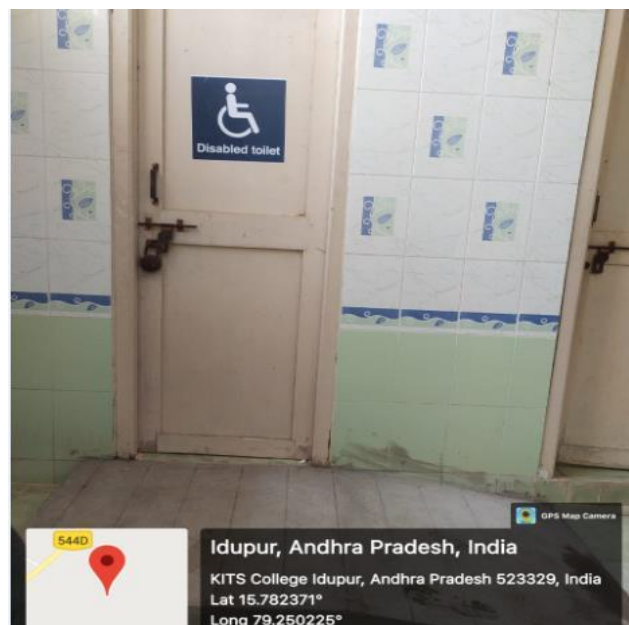


Figure 4 Reserved, disable friendly washrooms with ramp for easy access


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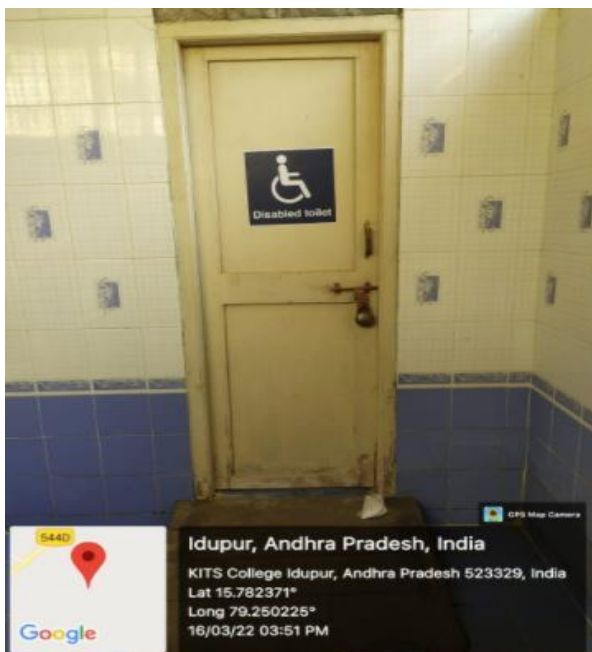
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c. Signage including tactile path, lights, display boards and sign posts




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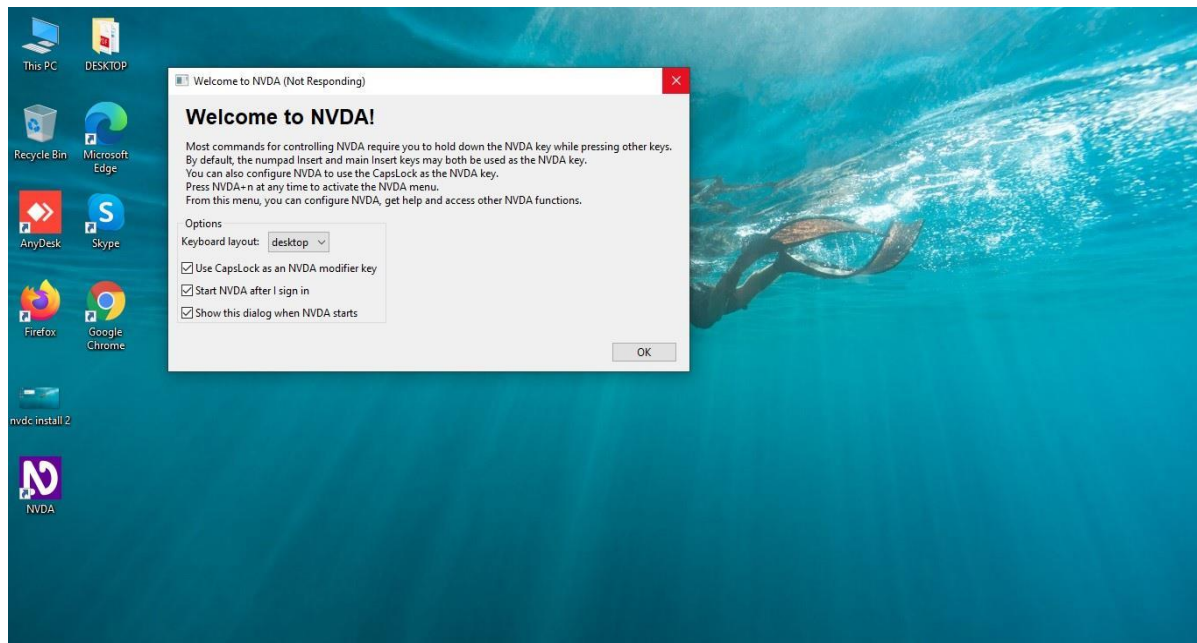
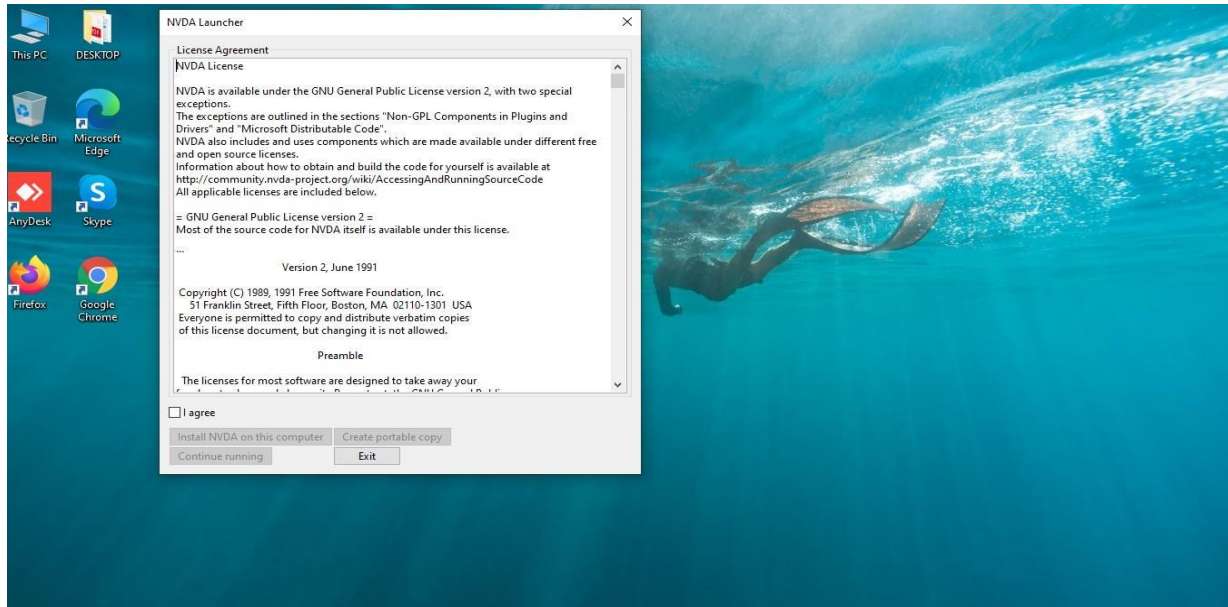
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- d. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment.

Non-Visual Desktop Access (NVDA) Software




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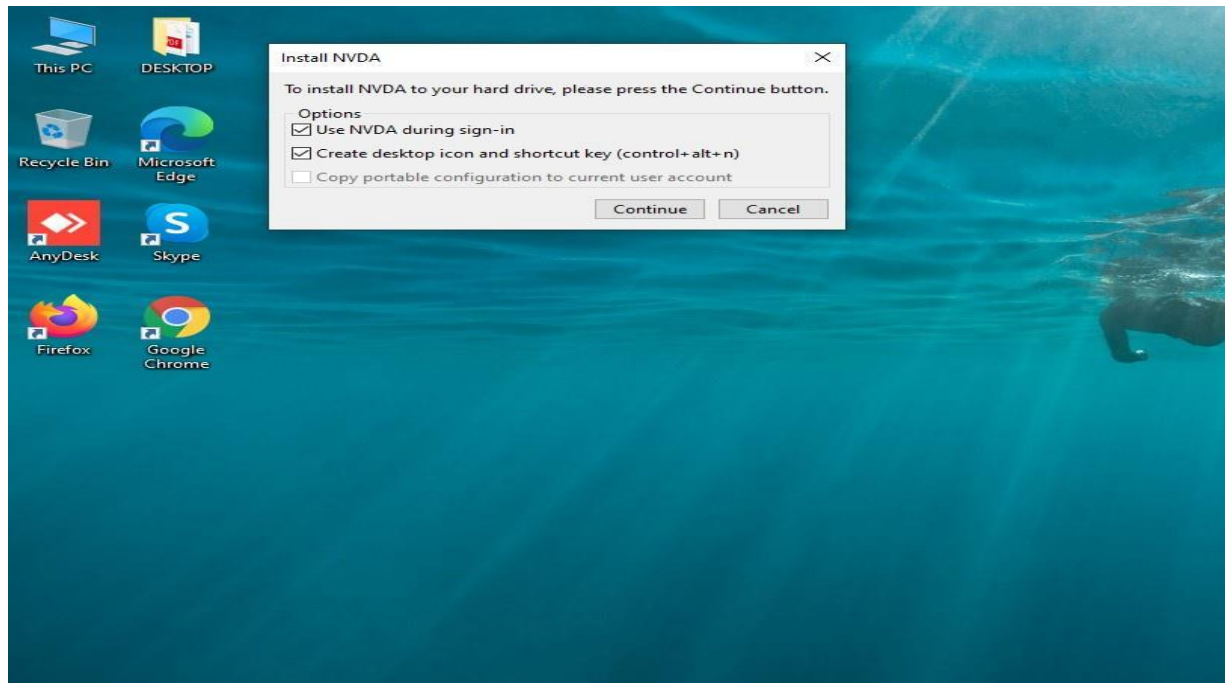


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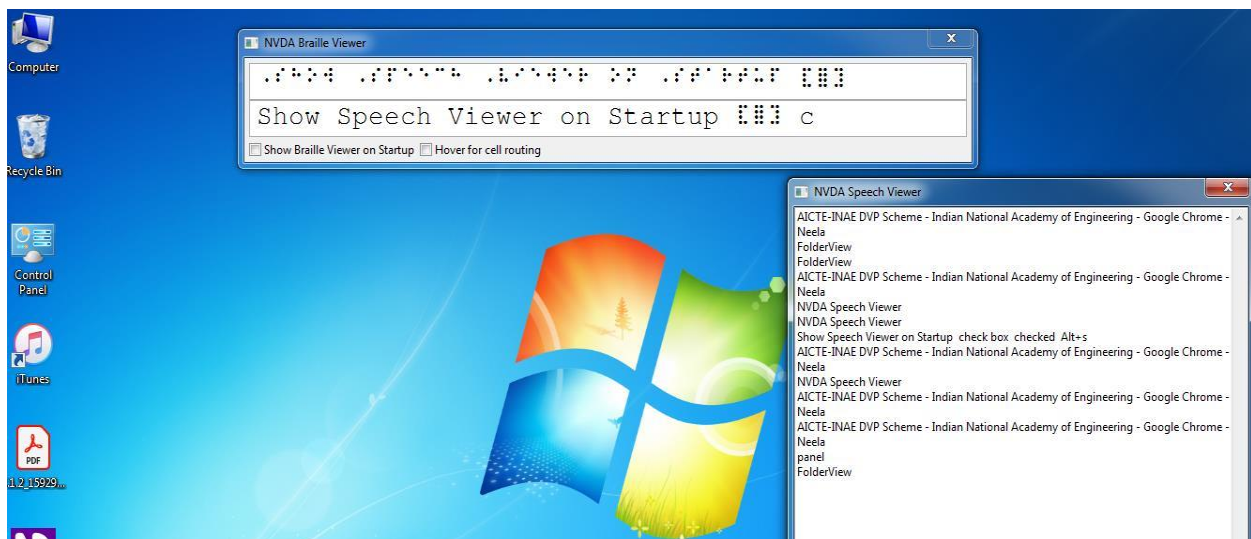
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- e. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading



Screen Reader


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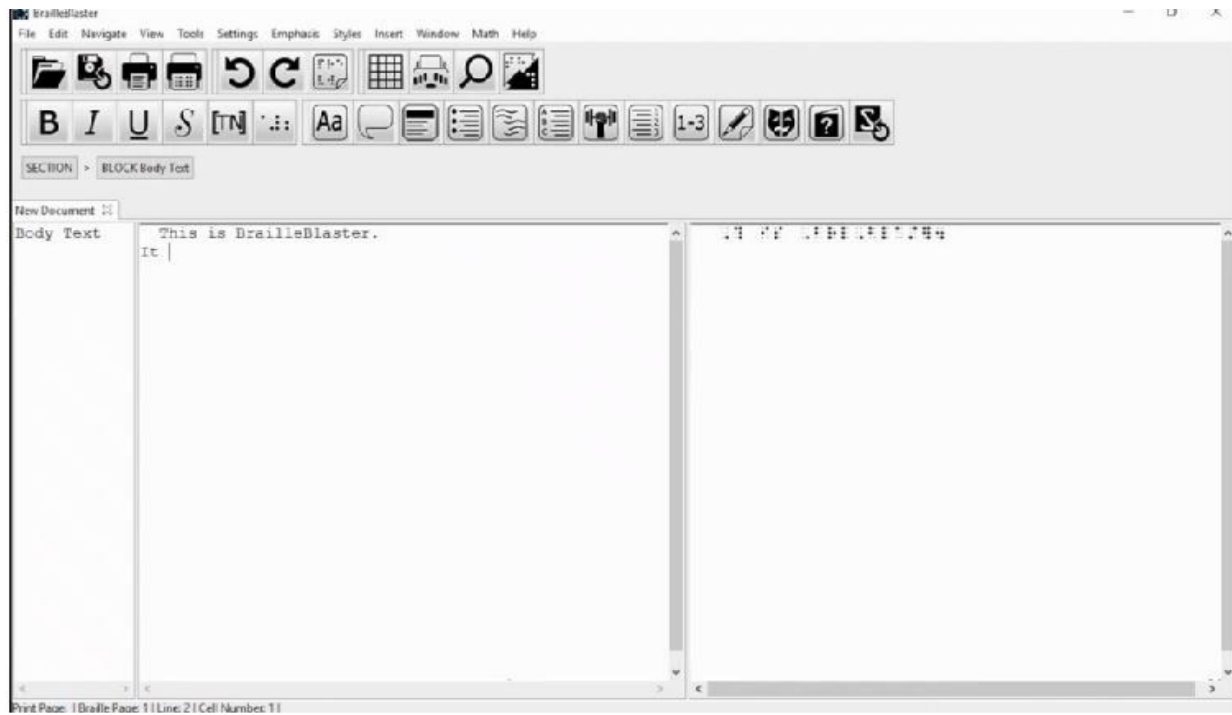


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Braille Blaster Interface



Fig: Wheel chair facility


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❖ PERSON WITH DISABILITY CERTIFICATE OF THE STUDENT:




Government of Andhra Pradesh
CERTIFICATE FOR PERSON WITH DISABILITY
(Issued under the authority vide G.O.Ms.No.31, WD CW & DW Dept., Dated 01.12.2009)

Medical Board:	Rajiv Gandhi Institute of Medical Sciences , Ongole	
ID No.of Person with Disability:	08120340110108024	
Date of Issue:	02/08/2011	

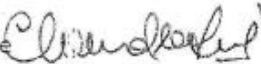

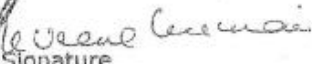
- This is certified that Shri Anna Chandra, S/o Anna Seshi Kumar, Male, age 10 years, China Cumbum Habitation, China Cumbum Village, Cumbum Mandal, Prakasam District, is suffering from Permanent disability of the following category:-
 Physical(Locomotor/Orthopaedic) Disability.
 The disability is in relation to his : Bilateral Upper Limb. Impaired reach, Weakness of grip.
 Sub-type of disability : Congenital Deformities of Limbs.

Cause of Disability : Congenital.
 Congenital deformity of right wrist and hand vertigal left thumb.

- Re-assessment of this case is not recommended.
- Percentage of disability in his case is 83% [Eighty Three percent].
- He meets the following physical requirements for discharge of his duties. F-can perform work by manipulating with fingers, KC-can perform work by kneeling and crouching, B-can perform work by bending, S-can perform work by sitting, ST-can perform work by standing, W-can perform work by walking, RW-can perform work by reading and writing.
- Identification Marks of Person with Disability:-
 - a) A Mole On The Right Leg .
 - b) A Mole On The Left Hand .



A. Chandra
 Signature/Thumb impression of Person with Disability

Signature 	Signature 	Signature 
N. Chandra Sekhara Rao	Dr. Y. Rajeswara Rao	Dr. K. Veena Kumari
Designation: Ortho Surgeon & Member	Designation: Civil Surgeon Specialist	Designation: DCHS & CHAIRMAN
Regn.No : 12454	Regn.No : 12859	Regn.No : 10317

Note: This is not valid for Medico-Legal cases.



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Government of Andhra Pradesh
IDENTITY CARD FOR
PERSON WITH DISABILITY

Medical Board of Rajiv Gandhi Institute of
Medical Sciences , Ongole

ID No: 0012034410108024

Name (పేరు) : Anna Chandra
(అంగ్లం పేరు)

Father (పెద్ద) /
Gaurdian Name (పాలకుడ పేరు) :
Anna Sekhara Kumari (అంగ్లం పేరు)

Date of Issue (అనుమతి తేదీ) : 02/08/2011

Valid Upto (వర్తిస్తుంది): Lifetime (అపరిమితం)

Date of Birth (పుట్టిన తేదీ): 02/08/2001

Age (వయస్సు) : 10

Sex (లింగం) : M. = (పురుషుడు)

Address (చిరునామా) : # China Cumbum,
China CUMBUM, Lakshim, Prakasham.

Identification Marks (గుర్తింపు చిహ్నాలు) :
1. A Mole On The right Leg -
2. A Mole On The left Hand.

A. Chandra
Signature/Thumb impression

Nature of Disability (అనుమతి) : Permanent
Physical/Locomotor/Orthopaedic
(అనుమతి - అంగ్లం పేరు)

Percentage of Impairment (అనుమతి వదిలి):
83.0%

Doctor
Signature *[Signature]*
Name : N.Chandra Sekhara Rao
Designation : Ortho Surgeon & Member
Registration No : 12454

Doctor
Signature *[Signature]*
Name : Dr. Y. Rajeswara Rao
Designation : Civil Surgeon Specialist
Registration No : 12859

Doctor
Signature *[Signature]*
Name : Dr. K. Veena Kumari
Designation : DCHS & CHAIRMAN
Registration No : 10317

NOTE :- 1. This card is valid for claiming Air /
Bus / Rail Concession and benefits
sanctioned for eligible disabled persons, by
authorities concerned / Government of A.P.

2. All particulars, except disability and degree
of disability, are based on information given
by I-card holder.

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KITS-Student Receiving Laptop Distributed by Government of Andhra Pradesh

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POLICY DOCUMENT TOWARDS DIVYANG-JAN

Objective:

To promote an empowering environment, that provides quality education to shape the abilities of differently abled students and to ensure that, necessary guidance and counseling are provided.

KITS took the responsibility of inspiring the society through promotion of education literature and culture. The status of the institution is maintained high by sticking to our core- principles of student-focus, Human Resource Development and emphasis on total quality.

The institute's humanitarian policy, balances professional and moral values by promoting a secured and friendly environment to the differently-abled individuals, relaying that, people with disabilities are not objects of charity, but have the same rights and dignity like any other individuals.

Physical infrastructure as well as buildings, furniture, facilities and services in the campus are barrier free.

Policies and Measures:

- ✓ Equal opportunities to the differently abled students of the college without any discrimination on the grounds of age, color, marital status, physical ability, nationality, race, religion and sex.
- ✓ Provide education and opportunities for sports and recreation activities equally with others.
- ✓ Provide necessary support, individual or otherwise, create an environment that would nurture academic and professional potentialities at par.
- ✓ Steps to facilitate the capacity of persons with disability by providing appropriate environment.
- ✓ No person shall be deprived of his or her personal liberty on the ground of disability.
- ✓ Make the campus barrier free so that the services become accessible to the person with disabilities.
- ✓ Assist in placement opportunities.
- ✓ Maintaining Braille books and other reading assistive devices in our central library to facilitate the differently abled students to read.
- ✓ Providing scribes for writing the examinations.
- ✓ No person shall be discriminated on the ground of disability
- ✓ Right to equality and right to confidentiality of information are protected.



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Infrastructural facilities:

- ✓ Ramps to access all buildings including public utility areas.
- ✓ Wheelchair facilities in all buildings.
- ✓ Availability of barrier free wash/ rest room facilities (at every building preferably ground floor).
- ✓ Separate disable friendly parking facility earmarked at the starting point of parking area for easy access.
- ✓ Appropriative assistive tools are provided to sort out their problems in learning.

KITS is sensible, in providing equal opportunities to the disabled, for both access and accommodation at the institute. It entices an environment that the disabled persons feel the right to equal access to education, freedom from torture and the right to live with peers in the academic Community.

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