

# MKR Govt. Degree College

## Devarakonda, Nalgonda Dist

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### Environmental and Energy Policy

1. **ENVIRONMENTAL POLICY:** It takes great pride in its Green Campus. The Institution strives to be a leader in incorporating Green initiatives in the best interest of the Environment.

2. **PURPOSE:** This policy will play an integral role as the Institution continues to develop an environmentally sustainable and economically viable campus that reflects the Institutional core values of engagement and accountability. This statement represents a commitment by the MKR to meet the needs of students, faculty and staff while preserving the environment for future generations. The Institution is committed to preparing its students to become engaged environmental citizens on campus, in their own communities and throughout their lives. The Institution will educate the community and implement the best practices to improve the environmental footprint of the campus and its operations. Institution will strive for meeting the United Nations sustainable development goals.

3. **SCOPE:** This policy applies to all the Stakeholders of the Institution, including students, faculty & Staff.

#### 4. GUIDELINES:

❖ The Institution will consider the environmental impact of its development, communications, and procurement, curriculum, research and campus activities.

❖ The Institution will encourage the reuse of water by recycling the waste and sewage water.

❖ The Institution will strive to practice ecological responsibility focused on the preservation of its natural woodlands and gardens with Trees and Plants and Landscaping.

- ❖ The Institution will broaden its commitment to environmental education by introducing, where practical, relevant environmental content to curriculum material.
- ❖ The Institution will effectively manage the waste with proper waste segregation and disposal.
- ❖ The Institution will strive to augment Renewable Energy such as Solar for its energy requirement and solar water heating system.
- ❖ The Institution will carry out energy auditing to assess the usage of Electricity by different electrical installations.
- ❖ The Institution will effectively monitor Air and Noise Pollution.
- ❖ The Institution will effectively segregate the electronic waste and dispose the same to the proper Government approved agencies.
- ❖ The Institution will purchase **ENERGY 5 STAR** rated appliances and computers, paper products from responsible vendor with ecology.
- ❖ The Institution will maintain a user-friendly sustainability website with tips, links and suggestions for meeting policy guidelines.
- ❖ The institution will implement and install presence sensor at strategic locations. The institution will strive to install water efficient dispensers.
- ❖ The Institution will implement Ground water rejuvenation techniques in the campus.
- ❖ The Institution will emphasize on complete ban and usage of Plastic.
- ❖ The Institution will build Pedestrian Friendly Pathways for the safe and easy movement of Staff & Students in the campus.

5. **FUTURE GREEN INITIATIVES:** The institution will strive to implement the ZERO concept of environmental protection and conservation which states that institution will implement policies and procedures for ZERO wastage of energy, water and food.

*ChRamakrishna*

**PRINCIPAL (FAC)**  
M.K.R. Government Degree College,  
Devarakonda, Nalgonda. Dt. 508248



# vitro labs

AN ISO 9001-2015  
and  
OHSAS  
CERTIFIED COMPANY

2-2-647/A/3, 3rd Floor, Shivam Road, Hyderabad-500 013.  
Cell No:98490 40724, 98490 40012, E-mail:labsvitro@yahoo.com,vitrolabs@gmail.com  
Web : www.vitrolabs.net, www.vitrolabsindia.com

(Recognized by the Ministry of Environment & Forest, GOI)

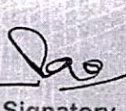
## TEST CERTIFICATE

<b>Our Ref:</b>	<b>VL/A2809-003/2021</b>	<b>Issued to:</b>
<b>Reporting Date:</b>	<b>04.10.2021</b>	<b>M/s. PRINCIPLE MKR GDC</b>
<b>Received On:</b>	<b>28.09.2021</b>	<b>DEVARAKONDA,</b>
<b>Sample Particulars:</b>	<b>BORE WATER</b>	<b>NALGODA DIST.</b>

### TEST RESULTS

S.No.	Physical Parameters	Units	Result	Desirable Potable Limits as per IS: 10500
01	pH	--	<b>7.04</b>	6.50-8.50
02	Electrical Conductivity	µ. Mhos/cm	<b>818</b>	--
<b>Chemical Parameters</b>				
03	Dissolved Solids	mg/l	<b>532</b>	<500
04	Total Hardness as CaCO <sub>3</sub>	mg/l	<b>300</b>	<300
05	Alkalinity to Phenolphthalein as CaCO <sub>3</sub>	mg/l	<b>Nil</b>	Not Specified
06	Alkalinity to methyl orange as CaCO <sub>3</sub>	mg/l	<b>288</b>	<200
07	Non-Carbonate hardness as CaCO <sub>3</sub>	mg/l	<b>12</b>	Not Specified
08	Calcium as CaCO <sub>3</sub>	mg/l	<b>168</b>	<187
09	Magnesium as CaCO <sub>3</sub>	mg/l	<b>132</b>	<123
10	Sodium as CaCO <sub>3</sub>	mg/l	<b>105</b>	Not Specified
11	Potassium as CaCO <sub>3</sub>	mg/l	<b>04</b>	Not Specified
12	Chloride as CaCO <sub>3</sub>	mg/l	<b>95</b>	<352
13	Sulphate as CaCO <sub>3</sub>	mg/l	<b>5918</b>	<208
14	Nitrate as CaCO <sub>3</sub>	mg/l	<b>07</b>	<36
15	Fluoride as F	mg/l	<b>0.32</b>	<1.00
16	Total Silica as SiO <sub>2</sub>	mg/l	<b>5.6</b>	Not Specified
17	Iron as Fe	mg/l	<b>0.02</b>	<0.3
18	Colour	(Hazen)	<b>COLOURLESS</b>	<5.0/Colourless
19	Turbidity	(NTU)	<b>1.30</b>	<5.0
<b>Microbiological parameters</b>				
01	Total Bacterial count	CFU/ml	<b>390</b>	Not Specified
02	Coliforms	CFU/100ml	<b>04</b>	<10
03	Ecoliforms	CFU/100ml	<b>ABSENT</b>	Not Specified

Note: The limits are applicable for Drinking Water Only.

  
Authorized Signatory

Environmental Studies like Compressed Air Quality Test, Work Zone, Indoor Air Quality, Gravimetric Dust Sampling, Stack, AAQ Monitoring, Waste Water, Solid & Hazardous Waste Analysis and Analytical Services like Water, Ores, Minerals, Alloys, Petroleum Products, Food Materials, Soils, Poultry Feeds Etc.

*Environmental Chemists & Analytical Chemists*

*Principal (FAC)*  
M. B. H. College, Devarakonda, Nalgonda Dist. 508249



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<b>Reporting Date:</b>	<b>04.10.2021</b>	<b>M/s. PRINCIPLE MKR GDC DEVARAKONDA, NALGODA DIST.</b>
<b>Received On:</b>	<b>28.09.2021</b>	
<b>Sample Particulars:</b>	<b>MUNCIPAL WATER</b>	

### TEST RESULTS

S.No.	Physical Parameters	Units	Result	Desirable Potable Limits as per IS: 10500
01	pH	--	7.67	6.50-8.50
02	Electrical Conductivity	µ. Mhos/cm	540	--
<b>Chemical Parameters</b>				
03	Dissolved Solids	mg/l	351	<500
04	Total Hardness as CaCO <sub>3</sub>	mg/l	148	<300
05	Alkalinity to Phenolphthalein as CaCO <sub>3</sub>	mg/l	Nil	Not Specified
06	Alkalinity to methyl orange as CaCO <sub>3</sub>	mg/l	100	<200
07	Non-Carbonate hardness as CaCO <sub>3</sub>	mg/l	48	Not Specified
08	Calcium as CaCO <sub>3</sub>	mg/l	84	<187
09	Magnesium as CaCO <sub>3</sub>	mg/l	64	<123
10	Sodium as CaCO <sub>3</sub>	mg/l	119	Not Specified
11	Potassium as CaCO <sub>3</sub>	mg/l	03	Not Specified
12	Chloride as CaCO <sub>3</sub>	mg/l	98	<352
13	Sulphate as CaCO <sub>3</sub>	mg/l	69	<208
14	Nitrate as CaCO <sub>3</sub>	mg/l	03	<36
15	Fluoride as F	mg/l	0.24	<1.00
16	Total Silica as SiO <sub>2</sub>	mg/l	4.1	Not Specified
17	Iron as Fe	mg/l	0.02	<0.3
18	Colour	(Hazen)	COLOURLESS	<5.0/Colourless
19	Turbidity	(NTU)	1.20	<5.0
<b>Microbiological parameters</b>				
01	Total Bacterial count	CFU/ml	160	Not Specified
02	Coliforms	CFU/100ml	Nil	<10
03	Ecoliforms	CFU/100ml	ABSENT	Not Specified

Note: The limits are applicable for Drinking Water Only.

*Chakrabarty*

**M.K.R. Government Degree College,  
Devarakonda, Nalgonda Dist-508242**

Authorised Signatory

Environmental Studies like Compressed Air Quality Testing, Work Zone, Indoor Air Quality, Gravimetric Dust Sampling, Stack, AAQ Monitoring, Waste Water, Solid & Hazardous Waste Analysis and Analytical Services like Water, Ores, Minerals, Alloys, Petroleum Products, Food Materials, Soils, Poultry Feeds Etc.

*Environmental Consultants & Analytical Chemists*

## TAX INVOICE

Original for

## Recipient



CNR COMPLEX, 3<sup>rd</sup> FLOOR,  
BAIRAMALGUDA, KARMANGHAT-SAGAR MAIN ROAD,  
HYDERABAD-500079.  
Mobil No: 9849040012  
Email: labsvitro@yahoo.com, vitrolabs@gmail.com  
www.vitrolabsindia.com

Issued to:  M/s. THE PRINCIPAL MKR GDC DEVARAKONDA, NALGONDA DISTRICT, TELANGANA.	Invoice No	GST -236/2021-22	
	Date	12.10.2021	
	Your Order No	--	
	Date		
GST NO	36AAAGM0208F1D4	Ref	--

S. No.	Technical testing and Analysis services Description	HSN/SAC	Quantity	Unit Price	Amount	
					Rs	Ps
01	Water For Chemical & Micro Biological Analysis (28.09.2021)	998346	02	1050/-	2,100	00

GST No: 36AADFV1226A1ZR State: Telangana Code 36 PAN NO: AADFV1226A  Amount Chargeable (in words) INR: <b>TWO THOUSAND FOUR HUNDRED AND SEVENTY EIGHTY RUPEES ONLY</b>	Total Amount	2,100	00
	CGST @ 09%	189	00
	SGST @ 09%	189	00
	IGST @ 18%		--
	Grand Total	2,478	00

Declaration  
O.E. E &  
We declare that this invoice shows the actual price of the Services described and that all particulars are true and correct

<b>Our Bank Account Details:</b> Account Name : VITRO LABS A/c No. : 1439115000001054 Account Type : Current Account Bank : The KarurVysya Bank Ltd Branch : New Nallakunta, Branch Code:1439 IFSC/RTGS Code : KVBL0001439	FOR VITRO LABS  
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SUBJECT TO HYDERABAD JURISDICTION

*unbunarakaj*  
**PRINCIPAL (FAC)**  
 M.K.R. Government Degree College,  
 Devarakonda, Nalgonda. Dt. 508 248



# COMMISSIONERATE OF COLLEGIATE EDUCATION GOVERNMENT OF TELANGANA





## CERTIFICATE (GREEN, ENERGY and ENVIRONMENT AUDIT)


This is to certify that Environmental, Energy and Green Audit has been conducted at the Government  
Degree College, Devarakonda, Nalgonda District by  
the Green Audit Committee of Telangana State Collegiate Education Department in collaboration with Department of  
Environmental Sciences of Osmania University, Hyderabad. The Committee has verified the Green initiatives carried out by the  
College and the College has successfully demonstrated knowledge on Energy Conservation, Water Conservation, Bio Diversity,  
Waste Management and Carbon footprint.


The Green Audit Committee is pleased to declare the following grades in the following categories for their satisfactory  
performance and is valid from August - 2021 to July - 2022.

Green Initiatives -	“ B ”	Grade
Energy Conservation-	“ B ”	Grade
Environmental Protection -	“ B ”	Grade

  
Academic Guidance Officer  
O/o Collegiate Education  
Hyderabad

  
Dr. D. Seshikala  
Dept. of Environ. Science  
OU, Hyderabad

  
Dr. A. Vijaya Bhasker Reddy  
Dept. of Botany  
Nizam College, OU, Hyd.

  
Dr. A. Nageswara Rao  
Dept. of Zoology  
Nizam College, OU, Hyd.