



Government Degree College for Women

(Affiliated to Mahathma Gandhi University)
Ramagiri, Nalgonda, T.S - 508 001

Office : ☎ 08682-222689/690

Website : gdcts.cgg.gov.in/ramagiri.edu

E-mail : prl-gdcw-nlg-ce@telangana.gov.in

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S.No:36, Academic Year: 2021-22

Water Conservation Facilities Available in The Institution

Geotagged Photographs of Facilities available in the institution

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1. Rain Water Harvesting Pit

Dimensions of Rain Water Harvesting Pit:

Length*Breadth*Depth = 8 x 6 x 8 Feet³ = 384 Feet³

It Can Store Approximately 10,874 Liters of Water.



2. Bore Well Recharge Pit



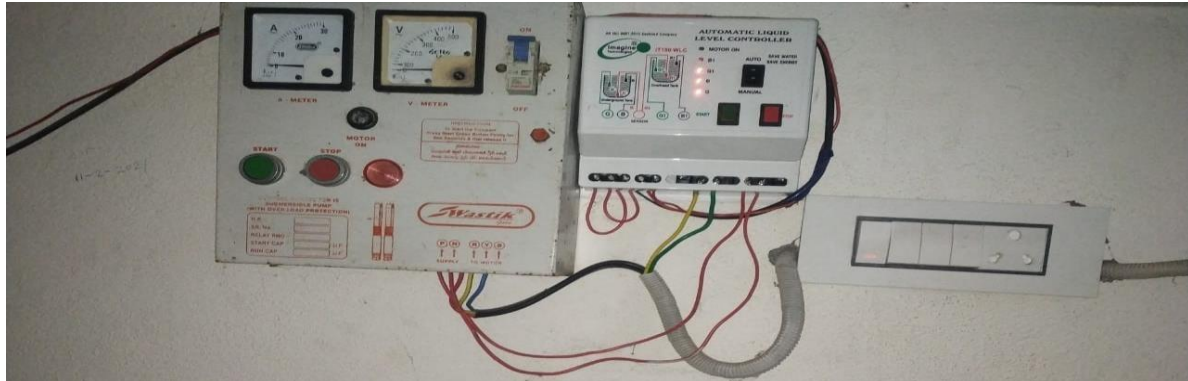
3. Waste Water Recycling



Reuse of Waste Water from RO plant

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

Saving of water and electrical power by using SENSORED Equipment:



Nalgonda, Telangana, India

376F+777, Municipal Quarters Area, Nalgonda, Telangana 508001, India

Lat N 17° 3' 37.9008"

Long E 79° 16' 23.2608"

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Nalgonda, Telangana, India

Panagal Rd, Municipal Quarters Area, Nalgonda, Telangana 508001, India

Lat N 17° 3' 33.1416"

Long E 79° 16' 18.6672"

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Water Conservation Facilities Available in the Institution

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1. Physico Chemical Analysis of Bore Wells' Water:

GOVERNMENT OF TELANGANA

WATER QUALITY MONITORING LAB, OLD MUNICIPAL COMPLEX, NALGONDA
(Directorate of I.P.M.PH.Labs, Food (H) Admn. Narayanguda, Hyd.)

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From : the principal, GDC (W) Nalgonda.
 Collected by : self
 Collected On : 26.8.2021 Received On : 26.8.21 Reported On : 4.9.2021
 Lab Ref. No. : 2057
 Source of Water : Bore well - 1
 Northeast corner of the
 College Premises
 2059
 Bore well - 2
 West boundary of
 College.

RESULTS

Colour	:	Colourless	Colourless
Turbidity (NTUS)	:	0.2	0.2
Odour	:	odourless	odourless
pH at °C	:	7.8	7.6
Electrical Conductivity at 25°C (Micro Mhos/CM)	:	890	1180

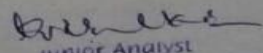
FOLLOWING RESULTS IN MILLIGRAMS PER LITRE

Alkalinity (as CaCO ₃) Phenolphthalein	:	nil	nil
Total alkalinity	:	220	260
Total Hardness (as CaCO ₃)	:	420	600
Calcium Hardness (as CaCO ₃)	:	320	480
Ammonical Nitrogen (NH ₃ -N)	:	nil	nil
Nitrite (as N)	:	nil	nil
Nitrate (as N)	:	-	-
Chloride (as Cl)	:	160	240
Fluoride (as F)	:	1.0	1.0
Iron (as Fe)	:	nil	nil

REMARKS :- All the analysed chemical parameters of the above water sample are within the permissible limits.
 Physico-chemically satisfactory for drinking purpose.

Raja KV
 Junior Analyst
 Water Quality Monitoring Lab,
 Old Municipal Complex,
 Nalgonda.

2. Physico Chemical Analysis of Municipality Tap Water:

GOVERNMENT OF TELANGANA	
WATER QUALITY MONITORING LAB, OLD MUNICIPAL COMPLEX, NALGONDA (Directorate of I.P.M.PH.Labs, Food (H) Admn. Narayanguda, Hyd.)	
REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER	
Sample From	: the principal, Govt Degree college for women Nalgonda.
Collected by	: self
Collected On	: 26.8.2021
Received On	: 26.8.21
Reported On	: 4.9.2021
Lab Ref. No.	: 2061
Source of Water	: Krishna Water Sump near physics Dept.
RESULTS	
Colour	: colourless
Turbidity (NTUS)	: 0.3
Odour	: odourless
P ^H at °C	: 7.5
Electrical Conductivity at 25°C (Micro Mhos/CM)	: 920
FOLLOWING RESULTS IN MILLIGRAMS PER LITRE	
Alkalinity (as CaCO ₃) Phenolphthalein	: nil
Total alkalinity	: 120
Total Hardness (as CaCO ₃)	: 304
Calcium Hardness (as CaCO ₃)	: 208
Ammonical Nitrogen (NH ₃ -N)	: nil
Nitrite (as N)	: nil
Nitrate (as N)	: -
Chloride (as Cl)	: 120
Fluoride (as F)	: 0.8
Iron (as Fe)	: nil
REMARKS :- the above water sample is physico-chemically satisfactory for drinking purpose.	
 Junior Analyst Water Quality Monitoring Lab, Old Municipal Complex NALGONDA	

3. Bacteriological Analysis of Water

Government of Telangana
WATER QUALITY MONITORING LAB
Directorate of I.P.M., P.H. Labs, Food (H) Administration,
Old Municipal Complex, Nalgonda - 508 001.

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From : the principal, Govt Degree college for women, Nalgonda.

2. Collected by : Self

3. Collected on : 26.8.2021 4. Received on : 26.8.21

Lab Ref. No.	Source	Exact location	Residual Chlorine mg per liter	Total Coliform Bacteria (MPN Index) per 100 ml.	Faecal Coliform Bacteria per 100ml	Esch. Coli. per 100ml
2056	Borewell	North East Corner of the College Premises	-	nil	-	-
2058	Borewell	West boundary of college	-	nil	-	-
2060	Krishna Water	Sump near physics Dept	-	nil	-	-

Remarks: the above water samples are bacteriologically satisfactory for drinking purpose.

B. Venkai
Junior Analyst
Water Quality Monitoring Lab
Old Municipal Complex
Nalgonda.
Water Quality Monitoring Lab
Nalgonda.



