

## NAAC Criterion 7: Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.5: Water conservation facilities available in the Institution





# PES Institute of Medical Sciences & Research

Kuppam- 517 425, Chittoor Dist., Andhra Pradesh

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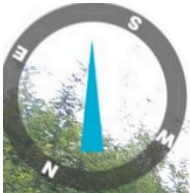
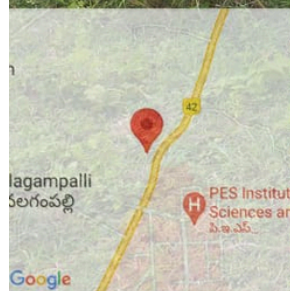
**Geo tagged photos of the facilities as the claim of the institution**



## Rain water harvesting



## Borewell



## Construction of Tanks and Bunds





## Waste water recycling







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7 Aug 2024 9:51:13 am  
230° SW

Beggilipalle  
Andhra Pradesh  
Altitude: 633.6m  
Speed: 0.0km/h

pes institute of medical sciences  
Index number: 1294



7 Aug 2024 9:49:31 am  
26° NE

Beggilipalle  
Andhra Pradesh  
Altitude: 634.3m  
Speed: 0.0km/h

pes institute of medical sciences  
Index number: 1290



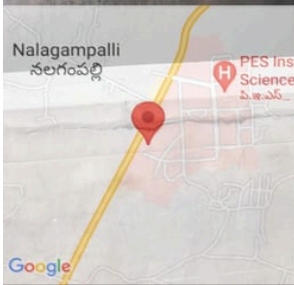
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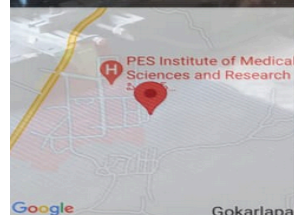
Kuppam- 517 425, Chittoor Dist., Andhra Pradesh

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7 Aug 2024 9:50:02 am  
297° NW  
Beggilipalle  
Andhra Pradesh  
Altitude:631.1m  
Speed:2.2km/h  
pes institute of medical sciences  
Index number: 1291



7 Aug 2024 10:03:06 am  
58° NE  
Beggilipalle  
Andhra Pradesh  
Altitude:626.3m  
Speed:0.0km/h  
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Index number: 1301





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## Essen & Co.,

ESTD. 1944

(ISO 9001-2015 CERTIFIED & NABL ACCREDITED LABORATORY)  
ANALYTICAL CHEMISTS & ASSAYERS INSPECTION AGENCY,  
SURVEYORS & SAMPLERS.

No. 92, 7th Main, 3rd Phase, Peenya Industrial Area, Bangalore - 560 058  
Phone: 080-28392230/28391567 E-mail: [essenblr@essenco.in](mailto:essenblr@essenco.in)

## TEST REPORT

Certificate No: Ay/5857  
Regd.No: 6084

Date of Issue : 30.03.2024  
Date of Receipt : 20.03.2024

Sample submitted by party

**Customer Name :** The Pes Institute Of Medical Science  
**Address :** & Research, Nelagampalli. Kuppam. Chittoor District - 425. A.P.  
**Sample Description :-** STP Water  
**sample no/Marks.....:-** STP Water - 200 K L D  
**Tested As Per .....**:- is 3025

	PARAMETERS	Requirements	RESULTS
1	Colour in hazen units	-	Colourless
2	Smell	-	Odourless
3	Total Suspended solids at 105°C mg/L	100 max	<5.0
4	Particle size of suspended solids	Shall pass 850 micron IS Sieve	Passes
5	Dissolved solids(inorganic) at 180°C mg/L	2100 max	920.0
6	Temperature °c	Shall not exceed 40°C in any section of the steam within 15 down stream from effluent Outlet	27°C
7	pH value at 25°C	6 to 8.5	6.89
8	Oil & grease, mg/L.	10 max	<10.0
9	Total residual chlorine, mg/L	1.0 max	<0.1
10	Ammonical nitrogen as N, mg/L.	50 max	0.37
11	Total kjeldal nitrogen as N, mg/L	100 max	0.84
12	Free ammonia as NH <sub>3</sub> , mg/L	5.0 max	0.002
13	Bio-chemical oxygen demand for 3 days @ 27°C mg/L	30.0 max	10.0
14	Chemical oxygen demand, mg/L	250.0 max	50.0
15	Arsenic as As, mg/L	0.2 max	<0.01
16	Mercury as Hg, mg/L	0.01 max	<0.001
17	Lead as Pb, mg/L	0.10 max	<0.01
18	Cadmium as Cd, mg/L	2.0 max	<0.003
19	Hexavalent chromium (Cr+6), mg/L	0.01 max	<0.05
20	Total chromium AS Cr, mg/L,	2.0 max	<0.05
21	Copper as Cu, mg/L	3.0 max	<0.05
22	Zinc as Zn, mg/L	5.0 max	<0.1
23	Nickel as Ni, mg/L	3.0 max	<0.1
24	Boron as B, mg/L	2.0 max	<0.1
25	Cyanide as Cn, mg/L	0.2 max	<0.05
26	Chloride as Cl, mg/L	1000 max	171.9
27	Fluoride as F, mg/L	2.0 max	0.10
28	Dissolved phosphate Po <sub>4</sub> , mg/L	5.0 max	<1.0
29	Sulphate as So <sub>4</sub> . mg/L	1000 max	45.0