



# Newcon Consultants & Laboratories

(GOVERNMENT APPROVED TESTING LABORATORIES)  
An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Laboratory



TC-12621

## TEST REPORT

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TEST REPORT No. NCL/EP-043/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED, Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

### SAMPLING DETAILS

Sample Name	: EFFLUENT WATER	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-043/16/03/24
Date of Sampling	: 15/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 02:10 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL	Sample Quantity	: 2 Ltr
Sampling Description	: EFFLUENT WATER AFTER TREATMENT	Packing	: PVC BOTTLE
Sampling Location	: ETP OUTLET		
Sampling Protocol	: IS:17614 (P-1)		
Packing Condition	: Sealed		

### TEST RESULT

S.No.	Test Parameters	Unit	Test Method	Results	Specification As per CPCB (Max.)	
					Inland Surface Water	Public Sewer
1	pH	-	IS : 3025 (P-11)	7.58	5.5-9.0	5.5-9.0
2	Total Suspended Solids (TSS)	mg/L	IS : 3025 (P-17)	12	100	600
3	Total Dissolved Solids (TDS)	mg/L	IS : 3025 (P-16)	620	Not Specified	Not Specified
4	Bio Chemical Oxygen Demand (3 Days at 27°C)	mg/L	IS : 3025 (P-44)	13	30	350
5	Chemical Oxygen Demand (COD)	mg/L	IS : 3025 (P-58)	52	250	Not Specified
6	Oil & Grease	mg/L	IS : 3025 (P-39)	BDL(DL-1.0)	10	20
7	Phosphate (as P)	mg/L	APHA-4500 P(D)	1.8	5.0	Not Specified
8	Nitrate Nitrogen (NO3)	mg/L	IS:3025 (P-34)	1.6	10	Not Specified
9	Copper (Cu)	mg/L	APHA-3111 (B)	BDL(DL-0.05)	3.0	3.0
10	Chromium Hexvalent (Cr+6)	mg/L	APHA-3500 (Cr-B)	BDL(DL-0.05)	0.1	2.0
11	Nickle (Ni)	mg/L	APHA-3111 (B)	BDL(DL-0.01)	3.0	3.0
12	Lead (Pb)	mg/L	APHA-3111 (B)	BDL(DL-0.01)	0.1	1.0
13	Cadmium (Cd)	mg/L	APHA-3111 (B)	BDL(DL-0.003)	2.0	1.0

EP-043/16/03/24-1



Checked by  
*Sonu*  
Sonu Gupta  
Sr. Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory  
Shashi Solanki  
Lab Head

1. The test report refers only to the particular sample/s submitted for testing and listed parameters.
2. Endorsement of the same is neither inferred nor implied.
3. Laboratory shall maintain the confidentiality of all information related to the samples & test reports.
4. Complaints about this report should be communicated within 10 days of the issue date of this report.
5. The report is not to be produced wholly or in part without prior permission of the Managing Partner. All disputes subject to Ghaziabad Jurisdiction.

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					Inland Surface Water	Public Sewer
14	Zinc (Zn)	mg/L	APHA-3111 (B)	BDL(DL-0.05)	5.0	15.0
15	Iron (Fe)	mg/L	APHA-3111 (B)	0.20	3.0	3.0
16	Mercury (Hg)	mg/L	APHA-3112 (B)	BDL(DL-0.001)	0.01	0.01
17	Sulphate (SO <sub>4</sub> )	mg/L	APHA-4500	50	Not Specified	Not Specified
18	Chloride (Cl)	mg/L	APHA-4500 (Cl)	78	Not Specified	Not Specified
19	Temperature	°C	APHA-2550 (B)	26.1	Not Specified	Not Specified
20	Total Kjahlal Nitrogen	mg/l	IS:3025 (P-34)	1.5	50	Not Specified

\*\*\*End of Report\*\*\*

Remarks : BDL=Below Detection Limit.

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*Sonu*  
Checked by  
Sonu Gupta  
Sr. Analyst

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Shashi Solanki  
Lab Head

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