



Newcon Consultants & Laboratories

(GOVERNMENT APPROVED TESTING LABORATORIES)

An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Laboratory

TEST REPORT NO. NCL/EP-050/14/03/24	DATE OF REPORT: 19/03/2024
Name And Address Of Customer	M/S LALIT PUR POWER GENERATION COMPANY LIMITED, VILLAGE- MIRCHWARA AND BUROGAON, TEHSIL- MAHRONI, LALITPUR-284123 U.P INDIA

SAMPLING DETAIL

Analysis Start Date	14/03/2024	Analysis End Date	19/03/2024
Date of Sampling	12/03/2024	Sample ID No.	NCL/ED-050/14/03/24
Sampling Done By	NCL		
Sampling Description	FLY ASH		
Sampling Location	Bottom Ash Dyke		

TEST RESULT

S.No.	Parameter	Result	Unit
1	Moisture content	12.2	% By Mass
ON OVEN DRY BASIS			
2	Loss On Ignition	0.62	% By Mass
3	Total Silica Content (SiO ₂)	72.10	% By Mass
4	Iron Oxide (as Fe ₂ O ₃)	7.72	% By Mass
5	Aluminum Oxide (as Al ₂ O ₃)	12.12	% By Mass
6	Calcium Oxide (CaO)	8.78	% By Mass
7	Magnesium Oxide (MgO)	1.20	% By Mass
8	Sodium Oxide (as Na ₂ O ₃)	0.38	% By Mass
9	Potassium dioxide (as K ₂ O)	1.97	% By Mass
10	Phosphate (as P ₂ O ₅)	1.48	% By Mass
11	Lead (as Pb)	7.20	Mg/Kg
12	Total Chromium (as Cr)	BDL(DL-0.1)	Mg/Kg
13	Mercury (as Hg)	BDL(DL-0.1)	Mg/Kg
14	Arsenic (as As)	BDL(DL-0.1)	Mg/Kg

BDL-BELOW DETECTION LIMIT

****End Of Report****

FOR NEWCON CONSULTANTS & LABORATORIES

CHECKED BY

AUTHORIZED SIGNATORY



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SAMPLING DETAIL

Analysis Start Date	14/03/2024	Analysis End Date	19/03/2024
Date of Sampling	12/03/2024	Sample ID No.	NCL/EP-051/14/03/24
Sampling Done By	NCL		
Sampling Description	FLY ASH		
Sampling Location	ASH SILO		

TEST RESULT

S.No.	Parameter	Result	Unit
1	Moisture content	1.38	% By Mass
ON OVEN DRY BASIS			
2	Loss On ignition	0.29	% By Mass
3	Total Silica Content (SiO ₂)	52.14	% By Mass
4	Iron Oxide (as Fe ₂ O ₃)	5.87	% By Mass
5	Aluminum Oxide (as Al ₂ O ₃)	11.38	% By Mass
6	Calcium Oxide (CaO)	6.47	% By Mass
7	Magnesium Oxide (MgO)	1.82	% By Mass
8	Sodium Oxide (as Na ₂ O ₃)	0.70	% By Mass
9	Potassium dioxide (as K ₂ O)	1.43	% By Mass
10	Phosphate (as P ₂ O ₅)	0.39	% By Mass
11	Lead (as Pb)	8.96	Mg/Kg
12	Total Chromium (as Cr)	BDL(DL-0.1)	Mg/Kg
13	Mercury (as Hg)	BDL(DL-0.1)	Mg/Kg
14	Arsenic (as As)	BDL(DL-0.1)	Mg/Kg

BDL-BELOW DETECTION LIMIT

****End Of Report****

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