

Vimta Labs Limited

Registered Office
142, IDA Phase II, Cherlapally
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**ISSUED TO:**

**JAYPEE CHURK INDUSTRIAL COMPLEX
(UNIT OF JAIPRAKASH ASSOCIATES LIMITED)
P.O.: CHURK, TEHSIL: ROBERTGANJ
DIST: SONEBHADRA (U.P)-231206**

Report Number : 11088/16-17/VLL/000/02**Issue Date** : 2016-11-22**Your Ref** : JCIC/16-17/054**Kind Attn.** : Mr. Somvir Singh
Designation : Section Head-Env**and Date** : 2016-08-24

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Sample Particulars: Ambient Air Quality Monitoring

Sample Registration date: 2016-11-14	Sampling Date: 2016-11-11 & 10
Analysis starting date: 2016-11-15	Analysis Completion date: 2016-11-22
Samples collected at: AAQ-1: Near Store, AAQ-2: Dispatch Gate, AAQ-3: Rear Gate, AAQ-4: Town ship area	
Tests required: PM-10, PM-2.5, Sulphur Dioxide, Oxides of Nitrogen and Carbon Monoxide.	
SAMPLES COLLECTED BY VIMTA LABS LTD.	LAB REF: EC;

TEST RESULTS

Sl. No	Parameters	Limits as Per NAAQ Standards	Units	AAQ1	AAQ2	AAQ3	AAQ4
1	PM 10	100	µg/m ³	51.1	65.2	53.2	54.7
2	PM 2.5	60	µg/m ³	36.7	46.9	37.4	39.2
3	Sulphur Dioxide	80	µg/m ³	14.1	12.3	13.6	14.3
4	Oxides of Nitrogen	80	µg/m ³	15.6	13.9	15.2	15.6
5	Carbon Monoxide	2000	µg/m ³	353	358	364	369

- PM10, PM2.5, SO2, NO₂, is monitored on 24 hrs. Basis & CO is monitored on 8 hrs basis.
- All the values are expressed in µg/m³

Dr. Subba Reddy Mallampati
Group leader- Environment

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Report Number : **11088/16-17/VLL/000/01**

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Designation : Section Head-Env

Sample Particulars: SOURCE EMISSION MONITORING FOR BOILER-2 (STACK-1)**Page 1 of 1**

Sample Registration Date: 2016-11-14

Sampling Date : 2016-11-10

Analysis starting date: 2016-11-15

Analysis Completion date: 2016-11-22

Tests required: Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen, and Mercury as Hg + their compounds

SAMPLE COLLECTED BY VIMTA LABS LTD

LAB REF.: EC;

TEST RESULTS

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	RESULTS
1	Diameter of stack	m	-	6.3
2	Flue gas temperature	°C	-	112
3	Velocity	m/sec	-	12.95
4	Volumetric flow rate	Nm ³ /Sec	-	303.35
5	Volumetric flow rate	Nm ³ /Hr	-	1092075.6
6	Particulate Matter	mg/Nm ³	USEPA Method -5	35.3
7	Sulphur Dioxide	mg/Nm ³	USEPA Method -6	335
8	Oxides of Nitrogen	mg/Nm ³	USEPA Method -7	126
9	Mercury as Hg + their compounds	mg/Nm ³	USEPA Method -29	0.0013

Method of Testing: As per USEPA Methods;
Minimum Detectable Limit for SO₂ - 3.4 mg/Nm³

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Sample Particulars: **STP WATER**

Sample Registration Date: 2016-11-14	Sampling Date : 2016-11-10
Analysis starting date: 2016-11-15	Analysis Completion date: 2016-11-22
Tests required: pH, Total Suspended Solids, Total Dissolved Solids, COD and BOD,	
SAMPLE COLLECTED BY VIMTA LABS LTD	LAB REF.: EC;

TEST RESULTS

Sr. No.	Parameters	UOM	Results STP INLET	Results STP OUTLET	Standard Limits For STP OUTLET
1	pH	-	8.16	7.22	5.5-9.0
2	Total suspended Solids at 105°C	mg/l	86	25	<100
3	Total dissolved solids at 180°C	mg/l	432	374	<2100
4	Chemical Oxygen Demand	mg/l	312	60	<250
5	Biochemical Oxygen demand	mg/l	56	12	<30

Method of Testing: As per USEPA Methods;


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