



# J. K. White Cement Works

(Unit of JK Cement Ltd.)



CIN : L17229UP1994PLC017199

ISO 9001, ISO 14001, ISO 50001, OHSAS 18001 & SA 8000 Certified

P.O. GOTAN - 342 902 District - Nagaur (Rajasthan) INDIA

Phone : (01591) 230201-02 (PBX), 230976 (D), Fax : 230206

Reg. A/d & Mail

JKWC (TPP)/PLNG/ENV/21/

Date: 13.07.2021

The Director,  
MoEF Regional Office (Central Region)  
5<sup>th</sup> Floor, Kendriya Bhawan,  
Sector 'H' Aliganj, Lucknow - 226 024

Subject : Compliance of Environmental Clearance conditions for 7.5 MW TPP.

Dear Sir,

Please find below the point - wise reply of the compliance conditions communicated vide letter No. J-13012/187/07-IA-II(T) dated 31.12.2007 from MoEF, New Delhi for 7.5 MW TPP

Project Code: Raj – 32/581/08

Name of the Project	: 7.5 MW Captive Power Plant
Clearance Letter No.	: J-13012/187/07-IA-II(T) dated 31.12.2007

Period of Compliance Report : 1<sup>st</sup> January, 2021 to 30<sup>th</sup> June, 2021 (as per GOI notification dated 26 Nov, 2018).

### Compliance Conditions:

S. No.	Conditions	Compliance Status
1.	No additional land shall be acquired for any activity relating to the proposed project.	The present plant is in the same premises of JK White Cement Works & the additional land was available for the project.
2.	Sulpher contents in coal and lignite to be used as fuel for the project shall not exceed 0.7 % and 1.0 % respectively. In the event of the sulphur content exceeding the prescribed limits, lime treatment shall be given to control SO <sub>2</sub> emission by at least 90%.	Coal, lignite has been used for power generation having sulphur content below 0.7 % & 1 % respectively. If the sulphur contents found more than prescribed limit lime treatment will be given.
3.	The height of the stack shall be as per the standards prescribed under the Environment (Protection) Act in this regards or 72 m, which ever is more with continuous online monitoring system. The exit velocity of the flue shall not be less than 18 m/sec.	The stack of 72 m height is provided.
4.	High efficiency electrostatic precipitators (ESPs) shall be installed to limit particulate emission to 100 mg/Nm <sup>3</sup> .	(i) Three chambered ESP has been installed. (ii) Stack opacity meter installed result display in CCR. We have online connected with RSPCB & CPCB servers. we are achieving <50 mg/Nm <sup>3</sup> particulate emission

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J.K. Cement Ltd.

Kamla Tower, KANPUR-208001  
Ph. : 0512-2371478-83  
Fax : 0512-2399854  
Email : ho.white@jkce.com  
Website : www.jkce.com

Delhi Office

Padam Tower, 19, DDA Community Centre  
Okhla, Phase-I, New Delhi-110020  
Ph. : EPBAX-011-49220000  
Fax : 011-49220044  
Email : jkwc.delhi@jkce.com

Jodhpur Office

Recognized approved lab Stack Report/Affixure 1b  
R2, Gopi Krishna Vilas,  
Near Gura Ka Talab,  
Near Pratap Nagar, Jodhpur-342001  
Ph : 0291-2432021, 2433072  
Fax : 0291-2433071  
Email : jodhpur.office@jkce.com



PRODUCERS OF HIGH QUALITY WHITE CEMENT & WALL PUTTY



5.	Dust extraction and suppression system and water sprinklers shall be provided for controlling fugitive dust during transportation, in coal /lignite storage & handling area and other vulnerable areas of the plant.	We have already taken care for controlling the fugitive dust emission by adopting the better house keeping, concreting the movement areas and development of Green belt.  Dust collectors have been installed at crusher house, Transfer Tower No. 1 & at Bunker top. Water sprinkle system has been provided at Grizzly Hopper for controlling of dust.
6.	Water requirement shall be met from the saving of water to be achieved with the replacement of DG sets and from STP. No additional water shall be extracted for the project.	Total water requirement of the project is 200 KL/D, out of which 62 KL has been met from STP treated water & 138 KL/D met as substitute of phased out DG set which is presently not in running due to TPP.
7.	Air cooled condenser shall be provide	Air Cooled condenser is provided
8.	The treated effluent shall be re-circulated and reused within the plant area. There shall be no waste discharge outside the plant boundary.	Wastewater discharge from various processes from thermal power plant. After proper treatment it is used for dust suppression & in green belt development. There is no water discharge out side the plant boundary.
9.	Rainwater harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority /State Ground Water Board and a copy of the same shall be submitted within three months to this Ministry.	We are provided very well rainwater harvesting system according to CGWA guidelines.
10.	Leq of Noise level shall be limited to 75 dB (A) and regular maintenance of equipments should be undertaken. For people working in high noise areas, personal protection devices should be provided.	Regular noise monitoring shall be ensured around plant boundary within stipulated norms. <b>Recognized approved lab Report Annexure- 1a</b>
11.	Dry ash collection system shall be provided. 100 % ash utilization shall be ensured from the day one of the commissioning of the plant.	Arrangement for collection of dry ash has been provided. The 100 % flyash/Cinder shall be utilized in our own and grey cement plant situated about 1 km from TPP as well as sister concern cement plants.
12.	A green belt shall be developed around the plant boundary with tree density of at least 1500 per ha covering 1/3 <sup>rd</sup> of the project area	Tree sapling of Neem, Desi Ashok, Pendular Ashok, Arjun etc. has been planted around the TPP boundary side & nearby area also maintained more then 1/3 <sup>rd</sup> project area.

Annexure-2



13.	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction.	Sanitation facilities for operators/workers have been provided.
14.	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with the State Pollution Control Board. Periodic reports shall be submitted to the Regional Office of this Ministry at Lucknow.	<p>The TPP is in the same premises of J K White Cement Works hence four manual AAQM stations are monitored regularly in consultation with Regional Office for the parameters of SPM/PM<sub>10</sub>/PM<sub>2.5</sub>, SO<sub>2</sub>, NOx &amp; CO. Results are well within the stipulated norms &amp; results have been sent to concerned departments.</p> <p>Four number CAAQMS Station installed as per guidelines and connected to RSPCB and CPCB servers for online monitoring.</p> <p>Approved Lab monitoring report attached annexure -1</p>
15.	The project proponent shall advertise in at least two local newspaper widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also seen at Website of the Ministry of Environment & Forest at <a href="http://enfor.nic.in">http://enfor.nic.in</a>	Grant of Environmental Clearance has advertised in Rajasthan Patrika & Dainik Bhasker on dated 03.01.2008.
16.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment Department has been setup for environmental management and Unit Head to look after about the total control of pollution, monitoring & maintenance of pollution control devices with the help of Technical Head, Manager (Mechanical) along with Environment Department Officers, Environment Supervisor, Engineer (Chemical) & a trained team.
17.	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguard shall be submitted to this Ministry, the Regional Office, and the CPCB / SPCB.	Complete Report is submitted to all concerned departments within time frame as directed.
18.	Regional Office of the Ministry of Environmental & Forests located at Lucknow will monitor the implementation of the stipulated conditions. A complete set of documents submitted to this ministry shall be forwarded to the Regional Office for their use during monitoring.	The complete set of documents is forwarded to concerned departments.
19.	Separate funds shall be allocated for implementation of environmental protection	The total cost of project is 43 crore out of which Rs. 339 Lacs invested for Env Protection



	measures along with item-wise break-up. These cost shall be include as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure shall be reported to the Ministry.	measures & Rs. 29 Lacs kept for recurring expenditure on environmental protection.
20.	Full cooperation shall be extends to the Scientist/Officers from the Ministry / Regional Office of the Ministry at Lucknow / the CPCB / the SPCB who would be monitoring the compliance of environmental status.	Agreed

Occupational health surveillance report attached. **Annexure-3.**

We hope you will find the document in order. Kindly acknowledge the receipt.

Thanking you,

Yours faithfully  
For J K White Cement Works

Dr. Rajeev Kumar Bagariya  
(Environment Head)

Encl.: Complete report with Annexure- 1 to 3

Cc: Central Pollution Control Board  
**Reg. A/d** Parivesh Bhawan, East Arjun Nagar, Shahdrara, New Delhi - 110 032  
 Cc: Rajasthan State Pollution Control Board  
**Reg. A/d** 4, Institutional Area, Jhalana Dungri, Jaipur (Raj.) - 302 004  
 Cc: Regional Office  
**Reg. A/d** Rajasthan State Pollution Control Board  
 SPL-2, Phase-V- RIICO Ind. Area, Kishangarh (Rajasthan)-305801



**TEAM TEST HOUSE**  
**(Unit of Team Institute of Science & Technology Pvt. Ltd.)**



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RSPCB

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OHSAS 18001:2007

JDA/UDH

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Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

TEST REPORT

Annexure 1

Report No./ULR No. :	TC502521400001026	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	132 KV Sub Station	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.14	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	29.05	CPCB Guidelines	60.00

Note:

Continue to next page...

Rajesh Maheshwari



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Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Sulphur Dioxide [microgram/m3]	3.52	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	80	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
	Nickel [ng/m3]	7.3	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

Notes :-

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132 KV Sub Station

*Purnamal Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521400001026 )



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**TEST REPORT**

Report No./ULR No. :	400001026	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	132 KV Sub Station	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001026 )



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Email : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	TC502521400001027	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	Rest Shelter/Dolomite Ramp	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.51	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	41.34	CPCB Guidelines	60.00

Note:

Continue to next page...

*Rajesh Maheshwari*  
Rajesh Maheshwari



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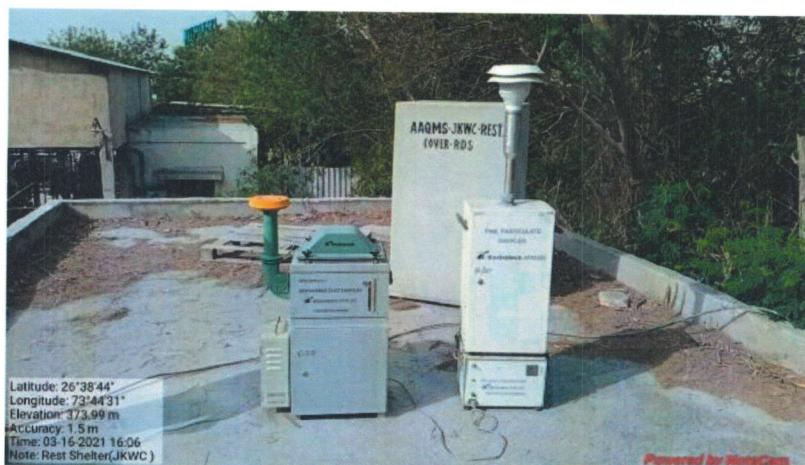
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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Sulphur Dioxide [microgram/m3]	3.91	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	74.3	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
	Nickel [ng/m3]	5	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Rest Shelter/Dolomite Ramp

*Purah Mal Yogi*

Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory

(Report No: TC502521400001027 )



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Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	Rest Shelter/Dolomite Ramp	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagaria	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwar*  
Rajesh Maheshwar  
Authorized Signatory  
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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

### TEST REPORT

Report No./ULR No. :	TC502521400001028	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	EDP / Club Building	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	360	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.29	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	28.63	CPCB Guidelines	60.00

Note:

Continue to next page...

*Rajesh Maheshwari*



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Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Sulphur Dioxide [microgram/m3]	3.82	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	70.69	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
	Nickel [ng/m3]	6.2	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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EDP / Clud Building

*Puram Mai Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521400001028 )



**TEAM TEST HOUSE**  
**(Unit of Team Institute of Science & Technology Pvt. Ltd.)**

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

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JDA/UDH

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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

**TEST REPORT**

Report No./ULR No. :	400001028	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	EDP / Club Building	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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*Putan Lal Yogi*  
Putan Lal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001028 )



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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

### TEST REPORT

Report No./ULR No. :	TC502521400001029	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-03-2021
Point of Collection :	CS-11	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL(<10.0)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	290	IS 5182 (Part 10) : 1999 RA 2019	4000
	Lead [microgram/m3]	0.18	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.72	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	36.82	CPCB Guidelines	60.00

Note:

Continue to next page...

*Rajesh Maheshwari*



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**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Sulphur Dioxide [microgram/m3]	5.82	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	78.84	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
	Nickel [ng/m3]	4.8	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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*Rajesh Maheshwari*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521400001029 )



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**TEST REPORT**

Report No./ULR No. :	400001029	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-03-2021
Point of Collection :	CS-11	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa-Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Mahechwan*  
Rajesh Mahechwan  
Authorized Signatory  
(Report No: 400001029 )



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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

### TEST REPORT

Report No./ULR No. :	TC502521600000695	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	132 KV Sub Station	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	64.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.6	IS 9989	70

Notes :-

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*Puran Mal Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521600000695 )



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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

### TEST REPORT

Report No./ULR No. :	TC502521600000696	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	Rest Shelter/Dolomite Ramp	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	68.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	58.8	IS 9989	70

Notes :-

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*Rajesh Maheshwari*  
**Purnima Yogi**  
Senior Analyst

*Rajesh Maheshwari*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: TC502521600000696 )



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### TEST REPORT

Report No./ULR No. :	TC502521600000697	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	16-03-2021
Point of Collection :	EDP / Clud Building	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	61.6	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.9	IS 9989	70

Notes :-

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*Rajesh Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: TC502521600000697 )



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### TEST REPORT

Report No./ULR No. :	TC502521600000698	Date :	06-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	17-03-2021
Point of Collection :	CS-11	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	59.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	48.2	IS 9989	70

Notes :-

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Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502521600000698 )



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**TEST REPORT**

Report No./ULR No. :	TC502521500000504	Date :	09-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Stack Emission Level	Date of Sample Collection/Monitoring :	20-03-2021
Point of Collection :	TPP Boiler ESP Stack	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm3]	28.56	IS 11255 (Part 1):1985 Reaffirmed 2014	50
2	Sulphur Dioxide [mg/Nm3]	542	IS 11255(Part 2) :1985 Reaffirmed 2014	-
3	Oxides of Nitrogen [mg/Nm3]	215	IS 11255 (Part 7) :1985 Redffirmed 2012	-
4	Carbon monoxide [mg/Nm3]	190	IS 5182 (Part 10) : 1999 RA 2019	-

Notes :-

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*Rajeev*

Senior Analyst

Authorized Signatory  
(Report No: TC502521500000504 )



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Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

**TEST REPORT**

Report No./ULR No. :	500000504	Date :	09-04-2021
Issued To :	M/S J.K. White Cement Works (Unit of JK Cement Ltd.) P.O. Gotan - 342902, District Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Stack Emission Level	Date of Sample Collection/Monitoring :	20-03-2021
Point of Collection :	TPP Boiler ESP Stack	Date of Receipt :	23-03-2021
Date of Test/Analysis :	23-03-2021 to 06-04-2021	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Ranjeet Kumar Bagariya	Condition of Sample :	Fit for testing

**RESULTS**

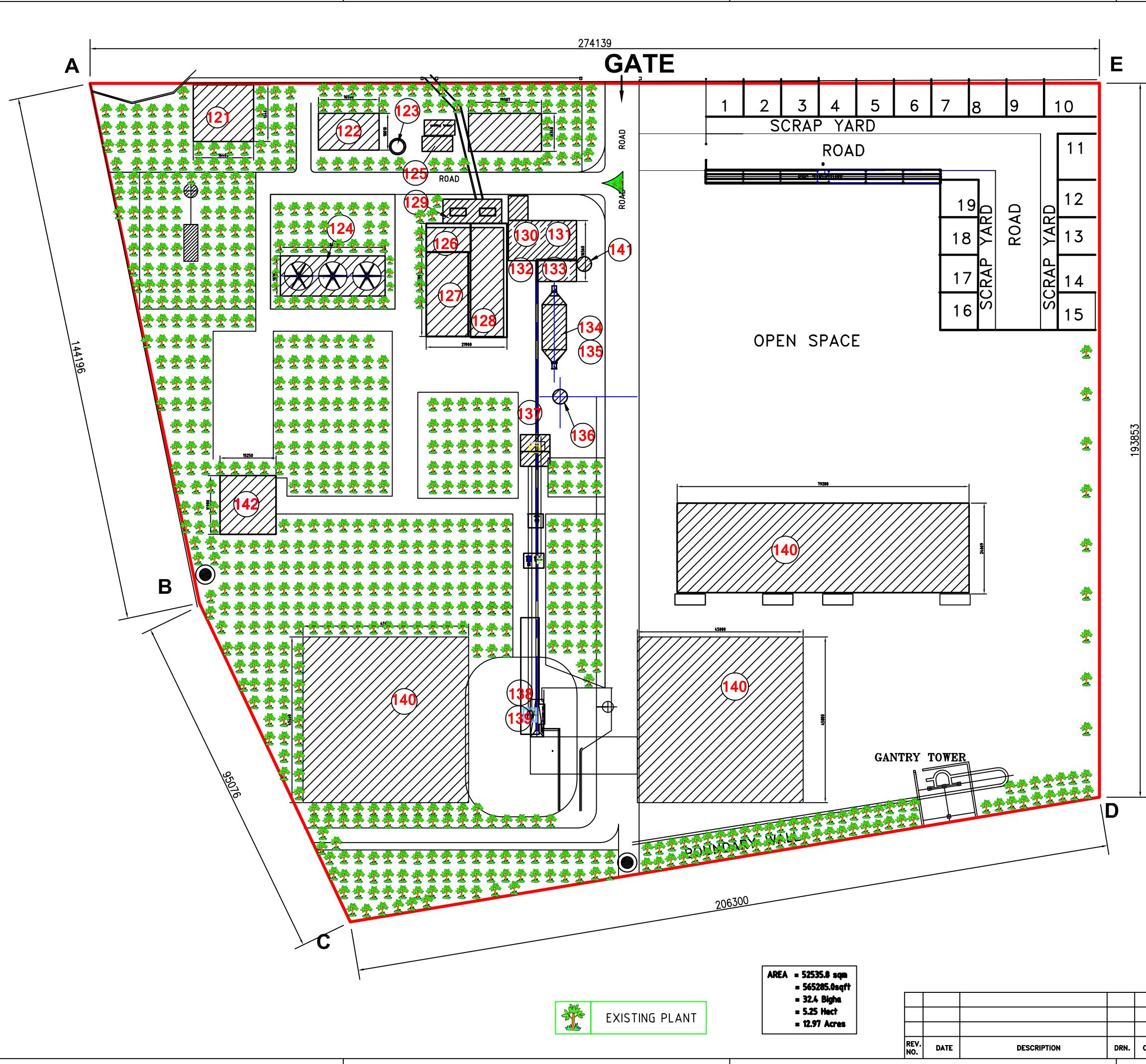
S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Mercury & its Compounds [mg/Nm <sup>3</sup> ]	BDL (<0.001)	USEPA method 29	0.03

Notes :-

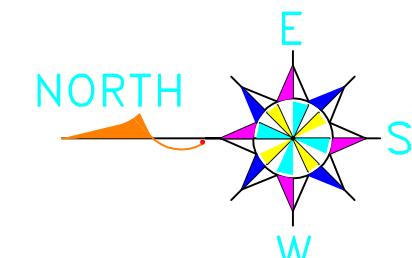
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Senior Analyst

Authorized Signatory  
(Report No: 500000504 )



S.NO.	INDEX
142.	TPP OFFICE
141.	ASH SILO(TPP)
140.	FUEL STORAGE YARD(TPP)
139.	GREZZALY HOPPER(TPP)
138.	CRUSHER HOUSE(TPP)
137.	CONVEYOR(TPP)
136.	CHIMNEY (TPP)
135.	ID FAN(TPP)
134.	ESP(TPP)
133.	FD FAN(TPP)
132.	PA FAN(TPP)
131.	BUNKER(TPP)
130.	BOILER(TPP)
129.	TRANSFORMER YARD(TPP)
128.	DEAERATOR CUM STORAGE TANK( TPP )
127.	CONTROL ROOM( TPP )
126.	TG HOUSE( TPP )
125.	AUXILLARY TOWER ( TPP )
124.	AIR COOLED CONDENSOR ( TPP )
123.	DM STORAGE TANK ( TPP )
122.	WATER TREATMENT PLANT ( TPP )
121.	RAW WATER STORAGE TANK ( TPP )



#### NOTES-

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
- DONOT SCALE THE DIMENSIONS. IN CASE OF DOUBT, PLEASE ASK.

		J.K.WHITE CEMENT WORKS,GOTAN			
DRAWN	ARADHYA S.	TITLE	THERMAL POWER PLANT PLANTATION LAYOUT		
DATE	18-08-14	REF. DRG. No.-			
CHECKED	P.S.MISHRA	PROJECTION			
APPROVED		SEC. No.-	TPP-25/64		
REV. NO.	DATE	DESCRIPTION	DRN.	CHD.	SCALE 1:500
					DRG. No.- JKWC-TPP-LO-64
					REV.-





