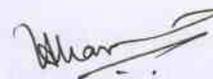


Recommendations of the Oversight Committee in its first quarterly report for Compliance by the Jaypee Nigrie Super Thermal Power Plant

S. No.	Recommendations of the Oversight Committee	Current Status of action as on 30-01-2021 from Jaypee Nigrie Super Thermal Power Plant
A.	The thermal power plants shall ensure that 100% fly ash utilization of the fly ash shall be ensured by them as per the Fly ash Notification.	<p>Ash Utilization in 2018 - 19 was 88.62% & in 2019 - 20 was 109.57%.</p> <p>Having long term MoU with End User (Cement Industry).</p> <p>Efforts have been made to utilize/dispatch 100% currently generated fly ash and disposal of stocked fly ash.</p>
B.	For the achievement of new emission norms, equipments like FGD, SCR/ SNCR etc shall be got installed as per the time lines provided to them by the CPCB.	<p>Action has already been taken to install Wet Lime Stone based FGD on both the Units, so as to control SO₂ Emission in order to meet New Emission Norms of MoEF&CC Notification dated 07.12.2015.</p> <p>FGD Status - NIT issued on 31.12.2019. Since no bids have been received till date (i.e. by 30.01.2021), bids submission date has been extended up to 31.03.2021.</p>
C.	Fly ash dyke shall be monitored regularly for their strength through some reputed organizations. The design should be safe and timely maintenance should be regularly ensured.	<p>Structural Stability Study has been carried out by Competent Third Party Technical Agency.</p> <p>Design of Ash Pond has been done by M/s Development Consultants Pvt. Ltd. (DCPL) a renowned designing agency. M/s DCPL drawing has been submitted to MPPCB vide letter no. JPVL/COORD/POLL/2013-14 dated January 21, 2014. The drawing No. is K6A24-DWG-C-595 Rev. 4.</p> <p>Ash pond has been constructed as per above approved drawing.</p> <p>The Ash Dyke has been constructed with upstream & downstream slopes (1V:2H). Ash Dyke has been constructed with HDPE lining on inner side and over that PCC (75mm) layer has been provided to protect it and eliminates any possibility of breach of embankment.</p> <p>Ash Pond is built over an area of 21.2 ha and is consisting of two ponds & equipped with 100% Ash Water Recirculation System to prevent any ash mixed water discharge to outside.</p> <p>The Ash Dyke is situated within intact boundary wall of Power Plant.</p>
D.	Air borne fly ash from the ash dykes, specifically during summers should be controlled through arrangements of water sprinkling, vegetation and other scientific measure.	<p>The bottom ash which is in slurry form is sent through ash disposal pipes to the bottom ash slurry pond i.e. the Ash Dyke. No Fly Ash is being disposed into the ash dykes in Dry form. Ash Pond Top layer is always covered with water.</p>

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		However, mobile water sprinkling arrangement is in place for using as and when required for controlling air borne fly ash.
E.	NTPC- VSTPS shall ensure to start disposal of the fly ash in the abandoned Gorbi mines, and shall complete the related studies at the earliest.	Not Applicable to us.
F.	Health check up of villagers through mobile medical van be conducted regularly for the detection of the occupational diseases like silicosis, fluorosis etc. and treatment be provided under CSR activities. Record should be maintained and made available to the district health authorities.	Free Medical Check-up facility & Free Medicines are being Provided to nearby Villagers & who so ever may come. Providing Mobile Hospital & Ambulance Service to affected villages (Nigrie, Niwas, katai & Hardi & Mahua Ganv and Chamrach and Joba).
G.	The thermal power plants namely, M/s Essar Power MP Ltd. and M/s Sasan Power Ltd. shall deposit with MPPCB the remaining amount of environmental compensation of Rs. 9 Cr., and Rs. 8 Cr. respectively out of the levied amount of Rs. 10 Cr. M/s NTPC-Vindhyachal, has however obtained a stay from Hon'ble Supreme Court.	Not Applicable to us.
H.	NPTC- Vindhyachal shall complete the dredging of the Rihand reservoir for the removal of the ash flown into it due to breach of its ash dyke and to complete it within 3 months time.	Not Applicable to us.
I.	NPTC- Vindhyachal should complete the studies of making RCC wall around the ash dyke through IIT Roorkee / IIT Delhi and submit the report for further consideration on its technical viability. Similarly studies / action should be initiated for the construction of Ash mounds.	Not Applicable to us.
J.	All the TPPs / industries shall calibrate all the CAAQMS and CEMS installed by them in 3 months (if not done recently) and submit the report to the committee. Such reports will be useful in checking the error percentage in the results.	CAAQMS & CEMS installed in the plant are given Annual Maintenance Contract and are being Calibrated on Quarterly basis by Original Equipment Manufacturers. The last visit Calibration Reports are attached as Annexure - I



Vinod Sharma

Sr. President

Jaypee Nigrie Super Thermal Power Plant Nigrie

(A Unit of Jaiprakash Power Ventures Ltd.)

Singrauli 486669 (M.P.)

CALIBRATION REPORT FOR GAS ANALYZERS S710

JAYPEE NIGRIE		Model: S710		SICK INDIA PVT LTD			
Calibration Date: 29.10.2020		Equipment Number : (S.N:715748)		Done by : Salim Gadkari			
<p>1. Model No: S710 Multor.</p> <p>2. Customer Name: Jaypee Nigrie Super Thermal Power Plant, Jaiprakash Power Ventures Ltd, Village-Nigrie, Post-Niwas, Tehsil-Sarai, Dist-Singrauli, Madhya Pradesh-486669.</p> <p>3. Instrument Tag No: Unit#1 CEMS analyser.</p> <p>4. Calibration Due Date: 28.04.2021</p>							
S.N.	Cylinder No	Expiry date of calibration cylinder	Component	Cylinder Value (unit)	Before Calibration Value	After Calibration Value	Remarks
1	SGC-43106	01/01/2021	SO2	771 ppm	777 ppm	772 ppm	Calibrated
2	SGC-43106	01/01/2021	NO	758 ppm	750 ppm	759ppm	Calibrated
3	SGC-43106	01/01/2021	CO2	35.53 %	34.60 %	35.53 %	Calibrated

For Sick India Pvt Ltd



For JPVL

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CALIBRATION REPORT FOR GAS ANALYZERS S710

JAYPEE NIGRIE		Model: S710		SICK INDIA PVT LTD			
Calibration Date: 29.10.2020		Equipment Number : (S.N:715246)		Done by : Salim Gadkari			
<p>1. Model No: S710 Multor.</p> <p>2. Customer Name: Jaypee Nigrie Super Thermal Power Plant, Jaiprakash Power Ventures Ltd, Village-Nigrie, Post-Niwas, Tehsil-Sarai, Dist-Singrauli, Madhya Pradesh-486669.</p> <p>3. Instrument Tag No: Unit#2 CEMS analyser.</p> <p>4. Calibration Due Date: 28.04.2021</p>							
S.N.	Cylinder No	Expiry date of calibration cylinder	Component	Cylinder Value (unit)	Before Calibration Value	After Calibration Value	Remarks
1	SGC-43106	01/01/2021	SO2	771 ppm	762 ppm	773 ppm	Calibrated
2	SGC-43106	01/01/2021	NO	758 ppm	765 ppm	760ppm	Calibrated
3	SGC-43106	01/01/2021	CO2	35.53 %	34.90 %	35.52 %	Calibrated

For Sick India Pvt Ltd



For JPVL

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Ambient Air Quality Monitoring Station (AAQMS)

CALIBRATION REPORT

Date: 24.12.2020

Customer Name : J P NIGRIE
 Station Name : AAQMS #1
 Station Location : GRINDING UNIT
 Analyser Make : Thermofisher Scientific

Gas Analyser	Zero Calibration				SPAN VALUE	Span Calibration				Remark
	Zero Reading		Background			Span Reading		Co-efficient		
	Old	New	Old	New		Old	New	Old	New	
SO2 (PPB)	2.2	0.00	21.70	20.90	200 PPB	229.00	200.00	1.070	0.935	OK
NO (PPB)	0.5	0.00	41.8	44.6	160 PPB	153.70	160.00	1.161	1.207	OK
NOX (PPB)	2.9	0.00	50.7	54.8	200 PPB	198.10	200.00	1.212	1.212	OK
CO (PPM)	0.066	0.00	-0.055	0.009	2 PPM	2.65	2.00	0.972	0.734	OK

Foil calibration -		Zero value - 0.0	Span value - 1021 ug/m3	Remark
PM Analysers	Range	Amplification Factor		
		Old Value	New Value	
PM 10	1000	7042	7033	OK
PM 2.5	1000	7041	7020	OK

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Ambient Air Quality Monitoring Station (AAQMS)

CALIBRATION REPORT

Date: 24.12.2020

Customer Name : J P NIGRIE
 Station Name : AAQMS #2
 Station Location : STP
 Analyser Make : Thermofisher Scientific

Gas Analyser	Zero Calibration				SPAN VALUE	Span Calibration				Remark
	Zero Reading		Background			Span Reading		Co-efficient		
	Old	New	Old	New		Old	New	Old	New	
SO2 (PPB)	3	0.00	14.4	18.2	200 PPB	193.70	200.00	0.77	0.79	OK
NO (PPB)	2.1	0.00	5.9	6.1	160PPB	182.00	160.00	1.99	1.53	OK
NOX (PPB)	13.7	0.00	5.9	15.6	200 PPB	257.00	200.00	1.22	1.24	OK
CO (PPM)	0.003	0.00	0	0.003	4 PPM	3.630	4.00	1.00	1.10	OK

Foil calibration -		Zero value - 0.0	Span value - 1021 ug/m3		Remark
PM Analysers	Range	Amplification Factor			
		Old Value	New Value		
PM 10	1000	7088	7405		OK
PM 2.5	1000	6969	6886		OK

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P. Singh
Thermo Fisher Scientific



Ambient Air Quality Monitoring Station (AAQMS)

CALIBRATION REPORT

Date: 24.12.2020

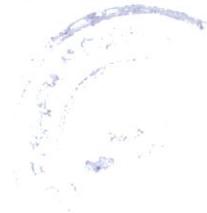
Customer Name : J P NIGRIE
 Station Name : AAQMS #3
 Station Location : NDCT
 Analyser Make : Thermofisher Scientific

Gas Analyser	Zero Calibration				SPAN VALUE	Span Calibration				Remark
	Zero Reading		Background			Span Reading		Co-efficient		
	Old	New	Old	New		Old	New	Old	New	
SO2 (PPB)	14.3	0.00	67.8	55.9	200 PPB	257.00	200.00	1.03	0.80	OK
NO (PPB)	-0.3	0.00	34	29.2	160 PPB	185.00	160.00	1.53	1.32	OK
NOX (PPB)	0.3	0.00	45.8	40.4	200 PPB	228.00	200.00	1.23	1.24	OK
CO (PPM)	0.092	0.00	1.806	1.816	2 PPM	2.09	2.00	1.52	1.45	OK

Foil calibration -		Zero value - 0.0	Span value - 1021 ug/m3	Remark
PM Analysers	Range	Amplification Factor		
		Old Value	New Value	
PM 10	1000	7220	6992	OK
PM 2.5	1000	6196	7017	OK


 Chitranjan Kumar


 Thermo Fisher Scientific



Ambient Air Quality Monitoring Station (AAQMS)

CALIBRATION REPORT

Date: **24.12.2020**

Customer Name : J P NIGRIE
 Station Name : AAQMS #4
 Station Location : FOUPH
 Analyser Make : Thermofisher Scientific

Gas Analyser	Zero Calibration				SPAN VALUE	Span Calibration				Remark
	Zero Reading		Background			Span Reading		Co-efficient		
	Old	New	Old	New		Old	New	Old	New	
SO2 (PPB)	2.8	0.00	12.9	15.4	200 PPB	201.00	200.00	0.61	0.60	OK
NO (PPB)	-1.8	0.00	22.4	22.9	160 PPB	145.40	160.00	1.74	1.91	OK
NOX (PPB)	0.1	0.00	20.7	23.7	200 PPB	175.70	200.00	0.91	0.94	OK
CO (PPM)	0.052	0.00	-0.06	-0.008	2 PPM	1.93	2.00	1.03	1.06	OK

Foil calibration -		Zero value - 0.0	Span value - 1021 ug/m3	Remark
PM Analysers	Range	Amplification Factor		
		Old Value	New Value	
PM 10	1000	7080	7326	OK
PM 2.5	1000	7201	7022	OK

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 Ch. Harsharan Kumar

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 Thermo Fisher Scientific

