

# Sai Wardha Power Generation Private Limited

CIN No: U40109TG2005PTC047917

**Works**

B-2, Warora Growth Center,  
MIDC, Warora, Chandrapur  
Maharashtra – 442 907  
Tel: 07176-2851000  
Fax: 07176-285125

**Registered Office:**

8-2-293/82/A/90,  
Road No. 9, Jubilee Hills,  
Behind TV 5 Office,  
Hyderabad – 500 033,  
Tel: +91-40-25566899

**Office:**

36-AB Anand Bhavan  
Flat No 803,8<sup>th</sup> Floor  
36<sup>th</sup> Road,National College  
Bandra West Mumbai.-400050  
Tel: 022-62519132

To,

Date: 6<sup>st</sup> December 2022

**Ministry of Environment, Forest and Climate Change,  
Indira Paryavaran Bhawan,  
Jor Bagh Road,  
Aliganj,  
New Delhi-110003.**

Sub: Submission of documents against EDS raised on 25.11.2022 for Sai wardha Power Generation Private Limited

REF: Proposal No: IA/MH/THE/293832/2022; Date: 09.11.2022  
Environmental Clearance Received vide File No: J-13011/23/2007 – IA.II (T)  
Dated 21<sup>st</sup> August 2014

Dear Sir,

This has reference to the subject matter and reference,

In this connection, we are herewith submitting documents on EDS generated by MOEFCC for your kind perusal and necessary action on transfer of Environmental clearance.

## **SAI WARDHA POWER GENERATION PRIVATE LIMITED-CIN and JUSTIFICATION OF CHANGE OF COMPANY NAME AND STATUS**

<b>Sr.No</b>	<b>Company Name</b>	<b>Date</b>	<b>CIN</b>	<b>Justification</b>
1	Wardha power company Limited	02.04.2009	U40109AP2005PLC047917	
2	Sai wardha power Limited	21.05.2014	U40109AP2005PLC047917	To create a identity in Maharashtra state as several companies registered in the state of Maharashtra. Change of company will enable the company to establish a separate identity for it in the power sector and also enable the company dissociate itself from the companies with identical or similar names in the area of its operation
3	Sai wardha Power Generation Limited	07.11.2016	U40109TG2005PLC047917	Present name of the company is not reflecting the exact

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Tel: 022-62519132

				nature of business of the company i.e generation of power and believe that change in the name will reflect exact nature of business i.e generation power and hence change from Sai Wardha power Limited to Sai Wardha Power Generation Limited
4	Sai wardha Power Generation Private Limited	03.03.2021	U40109TG2005PTC047917	<p>The company was converted into Public limited company on 2<sup>nd</sup> april,2009 as the business of the company was capital intensive and company expected the need to raise monies from public during course of business.</p> <p>However, the company has eventually defaulted in its debt obligations and was admitted into CIRP process by order of NCLT, Hyderabad dated 9<sup>th</sup> November 2018 under IBC code. In the process of resolution plan Sri City and KCR Enterprises LLP was approved by COC and same was NCLT, Hyderabad on 17<sup>th</sup> October, 2019. Board of Directors opinion that Company does not need any public equity funds as they are able to manage the capital needs of the company by means of infusion from promoters funds, borrowings from Banks/ financial institutions and internal accruals etc.</p> <p>Directors opinion that no purpose is being served by retaining the Public Limited character and company be converted to Private Limited company accordingly status of company status of Public</p>

# Sai Wardha Power Generation Private Limited

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**Registered Office:**

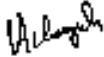
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Bandra West Mumbai.-400050  
Tel: 022-62519132

				limited to Private Limited company
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For M/s Sai Wardha Power Generation Private Limited



Dr. M.V.R.N.Acharyulu  
Head Corporate Environment

**A list of enclosed Compliance Reports is given below table.**

**Due to size Consistency, complete Compliance reports are not enclosed.**

<b>S.NO</b>	<b>COMPLIANCE REPORT</b>	<b>DURATION/DATE</b>
1	Certified Compliance Report From IRO (MoEF&CC) Nagapur	05.10.2021
2	Six Monthly Compliance Report	April 2014 to September 2014
3	Six Monthly Compliance Report	October 2014 to March 2015
4	Six Monthly Compliance Report	April 2015 to September 2015
5	Six Monthly Compliance Report	October 2015 to March 2016
6	Six Monthly Compliance Report	April 2016 to September 2016
7	Six Monthly Compliance Report	October 2016 to March 2017
8	Six Monthly Compliance Report	April 2017 to September 2017
9	Six Monthly Compliance Report	October 2017 to March 2018
10	Six Monthly Compliance Report	April 2018 to September 2018
11	Six Monthly Compliance Report	October 2018 to March 2019
12	Six Monthly Compliance Report	April 2019 to September 2019
13	Six Monthly Compliance Report	October 2019 to March 2020
14	Six Monthly Compliance Report	April 2020 to September 2020
15	Six Monthly Compliance Report	October 2020 to March 2021
16	Six Monthly Compliance Report	April 2021 to September 2021
17	Six Monthly Compliance Report	October 2021 to March 2022



भारत सरकार  
GOVERNMENT OF INDIA  
पर्यावरण, वन एवं जल वायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FOREST &  
CLIMATE CHANGE

Integrated Regional Office  
Ground Floor, East Wing  
New Secretariat Building  
Civil Lines, Nagpur -  
440001  
apccfcentral-ngp-  
mef@gov.in

F. No. 4-22/2007(ENV) / 8701

Dated: 5<sup>th</sup> October, 2021

To,

The Scientist 'E' IA Division (Thermal),  
Ministry of Environment, Forest & Climate Change,  
Room No. 236, 2<sup>nd</sup> Floor Vayu Wing, Indra Paryavaran Bhawan,  
Jorbagh Road, New Delhi-110003  
(Email: [yogendra73@nic.in](mailto:yogendra73@nic.in))

(Kind attention: Shri Yogendra Pal Singh, Scientist E)

**Sub:** A report on the Status of Compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter No. J-13011/23/2007-IA-II(T) dated 17.07.2007 and J-13011/48/2007-IA-II(T) dated 21.11.2007 and subsequent Amendments dated 23.05.2013 & 21.08.2014 for 4x135 MW (Phase- I & II) Coal Based Thermal Power Plant of M/s Sai Wardha Power Generation Private Limited (formerly known as M/s Wardha Power Company Ltd.) located at Warora Growth Centre MIDC, District Chandrapur (Maharashtra) - reg.

**Ref:** Project Proponent vide their letter No. MOEF&CC/NPUR/MVRN/4160101/341 dated 06.09.2021

Sir,

1 am directed to refer to the above subject and letters under reference wherein, project proponent requested the Integrated Regional Office, Nagpur to conduct a site visit to monitor the status of compliance of conditions stipulated in the environment clearances granted for 4x135 MW (Phase- I & II) Coal Based Thermal Power Plant of M/s Sai Wardha Power Generation Private Limited (formerly known as M/s Wardha Power Company Ltd.) located at Warora Growth Centre MIDC, District Chandrapur (Maharashtra)

2. In view of the same, it is to inform that a visit for the monitoring of compliance of conditions stipulated in the environment clearances has been conducted by Scientist-D of the Integrated Regional Office, Nagpur on 24.09.2021. As per the documents submitted by the project proponent during the monitoring, and also as informed during the site visit, the details are reported to be as under:

- i. Project Proponent is presently operating 4 X 135 MW Coal Based Thermal Power Plant at MIDC Warora District Chandrapur (Maharashtra). Now, PP proposed to go for amendment in EC for installation of Pollution Control Equipment to meet the revised emission norms for Thermal Power Plants vide S.O. 3305 (E) dated 07.12.2015. Therefore, PP requested IRO Nagpur for Issuance of Certified Compliance Report.
- ii. MOEF&CC vide letter No. J-13011/23/2007-IA-II(T) dated 17.07.2007 granted EC for 2x135 MW (Phase-I) Coal Based Thermal Power Plant for M/s Wardha Power Company Pvt. Ltd.) located at Warora Growth Centre MIDC, District Chandrapur (Maharashtra) (Annexure-A)
- iii. MOEF&CC vide letter No. J-13011/46/2007-IA-II(T) dated 21.11.2007 granted EC for 2x135 MW (Phase-II) Coal Based Thermal Power Plant for M/s Wardha Power Company Pvt. Ltd.) located at Warora Growth Centre MIDC, District Chandrapur (Maharashtra) (Annexure-B)
- iv. Amendment to the EC vide letter No. J-13011/23/2007-IA-II(T) dated 28.05.2013 obtained w.r.t. change in source of fuel in Phase-I & II (Annexure-C)
- v. Amendment to the EC vide letter No. J-13011/23/2007-IA-II(T) dated 21.08.2014 obtained w.r.t. for correction of factual figures (Annexure-D)
- ~~vi. Consent to Establish for Coal Based Thermal Power Plant for Phase-I was obtained vide letter No. BO/RO(P&P)/CC-168 dated 17.11.2007 (Annexure-E)~~
- vii. Consent to Establish for Coal Based Thermal Power Plant for Phase-II was obtained vide letter No. BO/RO(P&P)/EIC No. NG-1321/07/CC-215 dated 28.02.2008 (Annexure-F)
- viii. Consent to Operate for Coal Based Thermal Power Plant for Phase-I was obtained vide letter No. BO/RO(P&P)/EIC No. CH-204-09/E/CC-169 dated 13.05.2010 (Annexure-G)
- ix. Renewal of Consent to Operate for Coal Based Thermal Power Plant for Phase-I was obtained vide letter No. BO/RO-Chandrapur/RO(P&P)/EIC-CH-204-09/O/CC-26 dated 03.02.2011 (Annexure-I)
- x. Consent to Operate for Coal Based Thermal Power Plant for Phase-II was obtained vide letter No. BO/RO-Chandrapur/RO(P&P)/EIC-CH-445-10/O/CC-32 dated 09.02.2011 (Annexure-H)
- xi. Consent to Operate for Coal Based Thermal Power Plant for Phase-II was obtained vide letter No. BO/RO-Chandrapur/RO(P&P)/EIC-CH-445-10/O/CC-101 dated 11.05.2011 (Annexure-I)

- xii. Last Renewal of Consent to Operate for Coal Based Thermal Power Plant was obtained vide letter No. RED/L.S.I (R48) No: Format 1.0/CAC/UAN No. 000092608/CR-2009000075 dated 02.09.2020 which is valid upto 31.08.2021 (Annexure-J)
  - xiii. MOEF&CC OM No. 22-13/2019-IA.III dated 28.08.2019 regarding "Change In Conditions stipulated in the EC of Thermal Power Plant and Coal Mines in line with the Fly Ash Notification and Subsequent Amendments" (Annexure-K)
  - xiv. MOEF&CC OM No. J-13012/8/2009-IA.II(T) dated 11.11.2020 regarding "Amendment in EC for Change in Coal Source by Thermal Power Plants" (Annexure-L)
  - xv. PP has submitted undertaking that "No Court case pending w.r.t. the EC granted to M/s Sai Wardha Power Generation Private Limited located at Warora Growth Centre MIDC, District Chandrapur (Maharashtra) in any court of law. (Annexure-M)
  - xvi. Details on site emergency plan, recent Mock drill on safety issues, schematic diagram of storm water drains and rainwater structure is enclosed.
3. One of the EC conditions is observed to be **not complied** by the PP:

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**Specific Condition No. xxiv:** Harnessing solar power rooftop activity which will be started in the month of December, 2021 and report on same will be submitted by 31<sup>st</sup> March, 2022.

4. Three of the conditions is observed to be **partially complied** by the PP:

**EC Specific Condition No. xxix:** PP has informed that a detailed third party social audit will be carried out and submitted report by 31<sup>st</sup> March, 2022.

**Condition No. v as per OM dated 28.08.2019:** Bioaccumulation and bio-magnification studies will be carried out during winter season and details will be submitted to MOEFCC by 31<sup>st</sup> March, 2022.

**Condition No. b as per OM dated 11.11.2020:** The PM & Hg value of flue gas for all running units has been maintained within standard in line with MoEF & CC notification vide S.O. 3305 dated. 07.12.2015. To achieve SO<sub>2</sub> and NO<sub>x</sub> limits, the FGD installation is as designed and planned. As per the notification of MoEF & CC, dated 31 March 2021, the completion project is to be completed by 31 December 2024.

This issues with the approval of the Regional Officer, Integrated Regional Office,  
MoEF&CC, Nagpur

Encl: as above

Yours faithfully,



(Dr. P.R. Sakhare)  
Scientist 'E'/Additional Director

**Copy to:**

- (i) Director RO HQ, MOEF&CC, 1PB, 1<sup>st</sup> Floor Agni Wing, 1PB, Jorbagh Road, ND-03  
(Email: [manoj.moefcc@gmail.com](mailto:manoj.moefcc@gmail.com) )
- (ii) Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indra  
Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003 (Email:  
[shruti.rai@nic.in](mailto:shruti.rai@nic.in))
- (iii) The Principal Secretary & The Member Secretary, SEIAA, Environment Department,  
Government of Maharashtra Room No., 217, 2nd Floor, Mantralaya, Annex, Mumbai -  
400 032 (Maharashtra) (Email: [psec.anv@maharashtra.gov.in](mailto:psec.anv@maharashtra.gov.in) )
- (iv) Dr. M V R N Acharyulu, (Head-Environment), M/s Sai Wardha Power Generation Private  
Limited, 8-2-293/82/A/90 Road No.9, Jubilee Hills, Behind TV5 Office, Hyderabad-500  
033 (Email: [compliance@saiwardha.com](mailto:compliance@saiwardha.com); [shyam.sundar@ssmntgroup.com](mailto:shyam.sundar@ssmntgroup.com))
- (v) Guard File.



(Dr. P.R. Sakhare)  
Scientist 'E'/Additional Director



e/c

## Sai Wardha Power Limited

(Formerly known as Wardha Power Company Limited)

CIN No: L40100TG0005PLC047917

### Works

B-2, Warora Ghosh Camp,  
MIDC, Warora,  
Chandrapur (Dist.)  
Maharashtra - 432007  
Pin : 07176-205100  
Fax : 07176-239125

### Registered Office

B-2/203/027A/031/A,  
Road No. 22, Jadhav Hills,  
Hyderabad - 500083  
Tel: +91-40-23559823-25  
Fax: 491-40-23559830

Ref No.: MOE&F, BHPL/RKRU/4180128/2379  
Date : 28/11/2014

To,  
The Additional Director,  
Ministry of Environment & Forest,  
Regional Office, Western Region,  
Kendriya Paryavaran Bhevan,  
Link Road No. 3, Ravi Shankar Nagar,  
Bhopal - 462016 (M. P.).

Subject: Submission of Six Monthly Compliance Report of 4 x 135 MW Thermal Power Plant at MIDC, Warora Tal., Warora, Dist., Chandrapur for the Period of April 2014 to September 2014.

Dear Sir,

This is in reference to the Submission of Six Monthly Compliance Report of 4 x 135 MW Thermal Power Plant for the month of April 2014 to September 2014. The specified report for the said period is attached for your information and record.

We hope that the above information is in line of your requirement.

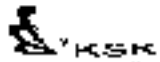
Thanking You,

Yours Faithfully,

For Sai Wardha Power Limited

(Rohit Kumar Upadhyay)  
Plant Head

Copy to: 1. The Regional Officer, M. P. C. Board, Chandrapur  
2. The Sub Regional Officer, M. P. C. Board, Chandrapur

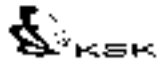


## Sai Wardha Power Limited

Six Monthly Compliance Statement April 2014 – September 2014

### Point wise compliance for the conditions specified in Environmental Clearance Letter of SWPL, Warora, Maharashtra (Phase- I & II)

S. N.	Condition	Compliance as on 30 <sup>th</sup> September 2014
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	Noted. No additional land acquired for this purpose.
2	Coal with ash content not exceeding 36% and Sulphur content not exceeding 0.6% shall be used.	Coal sources from WCL is being used having ash content not exceeding 36% and Sulphur content not exceeding 0.6%
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m is provided for each phase. Continuous online monitoring system has been provided to unit.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/N m <sup>3</sup> .	ESP's with 99.9% collection efficiency has been installed and in addition bag filters have been provided in each unit to ensure that particulate emissions do not exceed the stipulated standards. Stack Monitoring Report is enclosed as <b>Annexure I</b> .
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash generated is being collected in dry form in silos and is supplied to Cement plants for utilization, 100% of utilization is being done. There is provision of ash dyke for storing unused fly ash and bottom ash (in wet conditions) with in the plant premises. Pond ash is being used for bricks/blocks/products/ cement making/ filling low lying areas in the vicinity.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Noted, Water requirement for the power plant (Phase I & II) is being maintained within 1892 m <sup>3</sup> /hr.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Closed cycle cooling system with COC of 5 is being followed.



## Sai Wardha Power Limited

Six Monthly Compliance Statement April 2014 – September 2014

	submitted to this Ministry and its Regional Office at Bhopal.	
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system arrangement has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers have been deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.  A copy of the same is enclosed as <b>Annexure-V</b> for ready reference.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the following is in place at site who is reporting to Unit Head/In-Charge. <ol style="list-style-type: none"><li>1. Manager -Environment</li><li>2. Sr. Executive -Environment</li><li>3. Chemist and</li><li>4. Technicians</li></ol> Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.



## Sai Wardha Power Limited

(Formerly known as Wardha Power Company Limited)  
CIN No. U40109TN2005PLC047517

<b>Works</b>	<b>Registered Office</b>
B-2, Yana Growth Centre, MDC, Viteco, Chakrapur (Dist.) Maharashtra - 421007 Tel: (0176) 285100 Fax: (0176) 285125	B-2-214/02/A/431A, Road No. 42, Jubilee Hills, Hyderabad - 500033 Tel: (91) 40 23658922-25 Fax: (91) 40 23658934

Ref. No.: MOE&F, BHPL/RKRU/4160128/ B33  
Date: 21/05/2015

To,  
The Additional Director,  
Ministry of Environment & Forest,  
Regional Office, Western Region,  
Kendriya Paryavaran Bhavan,  
Link Road No. 3, Ravi Shankar Nagar,  
Bhopal - 462016 (M. P.),

Subject: Submission of Six Monthly Compliance Report of 4 x 135 MW Thermal Power Plant at MIDC, Warora Tah., Warora, Dist. Chandrapur for the Period of October 2014 to March 2015.

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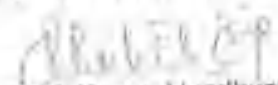
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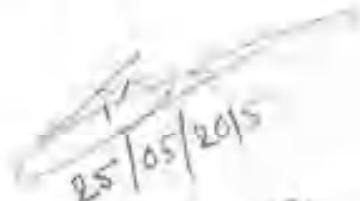
We hope that the above information is in line of your requirement.

Thanking You,

Yours Faithfully,

For Sai Wardha Power Limited

  
(Rohit Kumar Upadhyay)  
Plant Head

  
25/05/2015  
Maharashtra Pollution Control Board -  
Regional office  
Udyog Bhavan 1<sup>st</sup> Floor Station Road,  
Chandrapur-442401.

Copy to: 1. The Regional Officer, M. P. C. Board, Chandrapur  
2. The Sub Regional Officer, M. P. C. Board, Chandrapur



## Sai Wardha Power Limited

Six Monthly Compliance October 2014 – March 2015

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# COMPLIANCE STATUS



## Sai Wardha Power Limited

Six Monthly Compliance Statement October 2014 – March 2015

### Point wise compliance for the conditions specified in Environmental Clearance Letter of SWPL, Warora, Maharashtra (Phase- I & II)

S. N.	Condition	Compliance as on 31 <sup>st</sup> March 2015
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	Noted. No additional land acquired for this purpose.
2	Coal with ash content not exceeding 36% and Sulphur content not exceeding 0.6% shall be used.	Coal sources from WCL is being used having ash content not exceeding 36% and Sulphur content not exceeding 0.6%
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m is provided for each phase. Continuous online monitoring system has been provided to unit.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/N m <sup>3</sup> .	ESP's with 99.9% collection efficiency has been installed and in addition bag filters have been provided in each unit to ensure that particulate emissions do not exceed the stipulated standards. Stack Monitoring Report is enclosed as <b>Annexure I</b> .
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash generated is being collected in dry form in silos and is supplied to Cement plants for utilization. 100% of utilization is being done. There is provision of ash dyke for storing unused fly ash and bottom ash (in wet conditions) with in the plant premises. Pond ash is being used for bricks/blocks/products/ cement making/ filling low lying areas in the vicinity.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Noted, Water requirement for the power plant (Phase I & II) is being maintained within 1892 m <sup>3</sup> /hr.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Closed cycle cooling system with COC of 5 is being followed.



## Sai Wardha Power Limited

Six Monthly Compliance Statement October 2014 – March 2015

8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water generation from the plant is treated and the treated waste water is recycled in cooling tower and reused for plantation purpose. There is no discharge of waste water outside the plant premises.
9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Regular monitoring is carrying out in and around the project area through reputed and accredited agency. The analysis reports are within the prescribed limits. Monthly reports are regularly sent to MPCB every month. Ground water Monitoring Report is enclosed as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt is being developed in one third area in and along the periphery of the power plant premises. Total Plantation done till date - 92919 Nos. in 35.90 ha In addition under CSR activities- 1653 Nos of plantation done in nearby villages of Naideo, Chinora and Mohbala Status of Greenbelt Development is enclosed as <b>Annexure - III</b>
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be	Regular monitoring of ambient air quality is being carried out in the plant and in surrounding villages and the records are being maintained. Monitoring results are within the prescribed limits Monitoring reports are being sent regularly every month to MPCB. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV (a to c)</b> .



## Sai Wardha Power Limited

Six Monthly Compliance Statement October 2014 – March 2015

	submitted to this Ministry and its Regional Office at Bhopal.	
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system arrangement has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers have been deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.  A copy of the same is enclosed as <b>Annexure-V</b> for ready reference.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the following is in place at site who is reporting to Unit Head/In-Charge. <ol style="list-style-type: none"><li>1. Manager -Environment</li><li>2. Sr. Executive -Environment</li><li>3. Chemist and</li><li>4. Technicians</li></ol> Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.



## Sai Wardha Power Limited

Six Monthly Compliance Statement October 2014 – March 2015

16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to RO, MoEF & MPCB regularly. Half yearly report for the period of October 2014 to March 2014 has been submitted vide letter no. MoE&F, BHPL/RKRU/4160128/2379, Dt. 28/11/2014 A copy of the letter is attached for your ready reference as <b>Annexure-VI</b>
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information submitted to MoEF should be forwarded to the Regional Office for their use during monitoring	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.  Copy of the same is attached for your ready reference as <b>Annexure VII</b>
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project	Noted, and is being complied.



## Sai Wardha Power Limited

Six Monthly Compliance Statement April 2015 - September 2015

### Point wise compliance for the conditions specified in Environmental Clearance Letter of SWPL, Warora, Maharashtra (Phase- I & II)

S. N.	Condition	Compliance as on 30 <sup>th</sup> September 2015
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	Noted. No additional land acquired for this purpose.
2	Coal with ash content not exceeding 36% and Sulphur content not exceeding 0.6% shall be used.	Coal sources from WCL is being used having ash content not exceeding 36% and Sulphur content not exceeding 0.6%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m is provided for each phase. Continuous online monitoring system has been provided to unit.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/N m <sup>3</sup> .	ESP's with 99.9% collection efficiency has been installed and in addition bag filters have been provided in each unit to ensure that particulate emissions do not exceed the stipulated standards. Stack Monitoring Report is enclosed as <b>Annexure I</b> .
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash generated is being collected in dry form in silos and is supplied to Cement plants for utilization. 100% of utilization is being done. There is provision of ash dyke for storing unused fly ash and bottom ash (in wet conditions) within the plant premises. Pond ash is being used for bricks/blocks/products/ cement making/ filling low lying areas in the vicinity.



## Sai Wardha Power Limited

### Six Monthly Compliance Statement April 2015 - September 2015

6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Noted, Water requirement for the power plant (Phase I & II) is being maintained within 1892 m <sup>3</sup> /hr.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Closed cycle cooling system with COC of 5 is being followed.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water generation from the plant is treated and the treated waste water is recycled in cooling tower and reused for plantation purpose. There is no discharge of waste water outside the plant premises.
9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Regular monitoring is carrying out in and around the project area through reputed and accredited agency. The analysis reports are within the prescribed limits. Monthly reports are regularly sent to MPCB every month. Ground water Monitoring Report is enclosed as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt is being developed in one third area in and along the periphery of the power plant premises. Total Plantation done till date - 93733 Nos. in 36.50 ha. In addition under CSR activities- 1653 Nos of plantation done in nearby villages of



## Sai Wardha Power Limited

Six Monthly Compliance Statement April 2015 - September 2015

		Naideo, Chinora and Mohbala. Status of Greenbelt Development is enclosed as <b>Annexure - III</b>
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant and in surrounding villages and the records are being maintained. Monitoring results are within the prescribed limits. Monitoring reports are being sent regularly every month to MPCB. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV (a to c)</b> .
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system arrangement has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers have been deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.  A copy of the same is enclosed as <b>Annexure-V</b> for ready reference.



## Sai Wardha Power Limited

Six Monthly Compliance Statement April 2015 - September 2015

	clearance letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the following is in place at site who is reporting to Unit Head/In-Charge. <ol style="list-style-type: none"><li>1. Manager - Environment</li><li>2. Sr. Executive - Environment</li><li>3. Chemist and</li><li>4. Technicians</li></ol> Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2014 to March 2015 has been submitted vide letter no. MoE&F, BHPL/RKRU/4160128/833, Dt. 21/05/2015. A copy of the letter is attached for your ready reference as <b>Annexure-VI</b>
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009. Copy of the same is attached for your ready reference as <b>Annexure VII</b>



## Sai Wardha Power Limited

### Six Monthly Compliance Statement April 2015 - September 2015

	Environmental Impact Assessment Report, Environment Management Plan and other information submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.



o/c

### Sat Wardha Power Limited

(Formerly known as Wardha Power Company Limited)  
CIN No: U40109TG2005PLCN7917

#### Works

B-2, Warora Growth Centre,  
MDC, Warora,  
Chandrapur (Dist.)  
Maharashtra - 442907  
Tel: 07178-295100,  
Fax: 07178-295125

#### Registered Office

B-2-293/52/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500033,  
Tel: +91-40-23689622-23,  
Fax: +91-40-23689622

Ref. No.: MOE&F, NGP/RKRU/4160128/ 809  
Date : 28/05/2016

To,  
The Additional Director,  
Ministry of Environment, Forests & Climate Change,  
Regional Office (WCZ),  
Ground Floor, East Wing,  
New Secretariat Building,  
Nagpur - 440001

Subject: Submission of Six Monthly Compliance Report of 4 X 135 MW Thermal Power Plant at MDC, Warora Tah.: Warora, Dist.: Chandrapur for the Period of October 2015 to March 2016.

Dear Sir,

This is in reference to the Submission of Six Monthly Compliance Report of 4 x 135 MW Thermal Power Plant for the month of October 2015 to March 2016. The specified report for the said period is attached for your information and record.

We hope that the above information is in line of your requirement.

Thanking You,

Yours Faithfully,

For Sat Wardha Power Limited

(Rohit Kumar Upadhyay)  
Plant Head

Copy to: 1. The Regional Officer, M. P. C. Board, Chandrapur  
2. The Sub Regional Officer, M. P. C. Board, Chandrapur

21/5/2016

Maharashtra Pollution Control Board  
Regional office  
Udyog Bhawan 1<sup>st</sup> Floor Station Road,  
Chandrapur-442401.

**Point wise compliance for the conditions stipulated in Environmental Clearance of SWPL, Warora, Maharashtra (Phase- I & II)**

Vide letter no. 1. J-13011/23/2007-IA-II (T) Dated: 17/07/2007 & J-13011/46/2007-IA-II (T) Dated: 21/11/2007

S.N.	Condition	Compliance as on 31 <sup>st</sup> March 2016
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	Noted. No additional land acquired for this purpose.
2	Coal with ash content not exceeding 36% and Sulphur content not exceeding 0.6% shall be used.	Coal sources from WCL are being used having ash content not exceeding 36% and Sulphur content not exceeding 0.6%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m is provided for each phase. Continuous online monitoring system has been provided to unit.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/N m <sup>3</sup> .	ESP's with 99.9% collection efficiency has been installed and in addition bag filters have been provided in each unit to ensure that particulate emissions do not exceed the stipulated standards. Stack Monitoring Report is enclosed as <b>Annexure I</b> .
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash generated is being collected in dry form in silos and is supplied to Cement plants for utilization. 100% of utilization is being done. There is provision of ash dyke for storing unused fly ash and bottom ash (in wet conditions) within the plant premises. Pond ash is being used for bricks/blocks/products/ cement making/ filling low lying areas in the vicinity.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Noted, Water requirement for the power plant (Phase I & II) is being maintained within 1892 m <sup>3</sup> /hr.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Closed cycle cooling system with COC of 5 is being followed.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water generation from the plant is treated and the treated waste water is recycled in cooling tower and reused for plantation purpose. There is no discharge of waste water outside the plant premises.
9	Regular monitoring of ground water	Regular monitoring is carrying out in and around

	quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	the project area through reputed and accredited agency. The analysis reports are within the prescribed limits. Monthly reports are regularly sent to MPCB every month. Ground water Monitoring Report is enclosed as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt is being developed in one third area in and along the periphery of the power plant premises. Total Plantation done till date - 104012 Nos. in 47.52 ha. In addition under CSR activities- 1653 Nos of plantation done in nearby villages of Naideo, Chinora and Mohbala. Status of Greenbelt Development is enclosed as <b>Annexure - III.</b>
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant and in surrounding villages and the records are being maintained. Monitoring results are within the prescribed limits. Monitoring reports are being sent regularly every month to MPCB. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV (a to c).</b>
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system arrangement has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers have been deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely

	<p>which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>	<p>circulated in the region.</p> <p>A copy of the same is enclosed as <b>Annexure-V</b> for ready reference.</p>
15	<p>A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.</p>	<p>A separate environmental management cell comprising the following is in place at site who is reporting to Unit Head/In-Charge.</p> <ol style="list-style-type: none"> <li>1. Manager - Environment</li> <li>2. Sr. Executive - Environment</li> <li>3. Chemist and</li> <li>4. Technicians</li> </ol> <p>Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.</p>
16	<p>Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.</p>	<p>Half yearly reports are being sent to MoEF &amp; RO, MPCB regularly. Half yearly report for the period of October 2014 to March 2015 has been submitted vide letter no. MoE&amp;F, BHPL/RKRU/4160128/833, Dt. 21/05/2015.</p> <p>A copy of the letter is attached for your ready reference as Annexure-VI</p>
17	<p>Regional Office of the Ministry of Environment &amp; Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.</p>	<p>A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.</p> <p>Copy of the same is attached for your ready reference as Annexure VII</p>
18	<p>Separate funds should be allocated for implementation of environmental protection measures along with item-</p>	<p>Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the</p>

	<p>wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.</p>	<p>environment protection measures shall be utilized only for environment protection.</p>
19	<p>Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.</p>	<p>Noted, and is being complied.</p>

**Sai Wardha Power Generation Limited**

(formerly known as Sai Wardha Power Limited)

CIN No : U40109TG2006PLC047917

**Works**

S-2, Warora Growth Centre,  
MDC, Warora, Chandrapur (Dist.)  
Maharashtra - 442 907  
Tel: 07176-285100  
Fax: 07176-285125

**Registered Office**

8-2-293/82/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500039  
Tel: +91-40-23559922-25  
Fax: +91-40-23559930

Ref. No. : MoEF, NGP/RKRU/4160128/ 1680  
Date : 14/12/2016

To,  
The Additional Director  
Ministry of Environment, Forest & CC  
Regional Office (WCZ)  
Ground Floor, East Wing  
New Secretariat Building  
NAGPUR-440001

Subject : Submission of six-monthly compliance reports.  
Reference : EC vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J-13011/46/2007-IA-II (T) Dated 21.11.2007

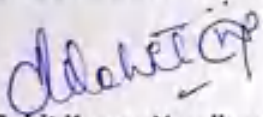
Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **April'2016 to September'2016**.

Hope you will find it in order.

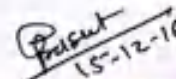
Thanking you.

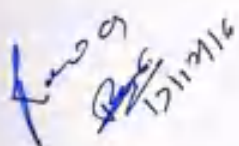
Yours faithfully,  
For, Sai Wardha Power Generation Limited

  
(Rohit Kumar Upadhyay)  
Unit Head

CC: to Regional Officer, MPCB, Chandrapur (M.S)

Maharashtra Pollution Control Board  
Regional office  
Udyog Bhavan 1<sup>st</sup> Floor Station Road,  
Chandrapur-442401.

  
15-12-16  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change  
केंद्रीय कार्यालय (पश्चिम मध्य क्षेत्र)  
Regional Office (Western Central Zone)  
मू-नाल, पूर्व खंड / Ground Floor, East Wing  
नया सचिवालय भवन / New Secretariat Building  
सिविल लाईन्स / Civil Lines  
नागपुर / Nagpur-440 001

  
12/11/2016

d/c

# ENVIRONMENTAL COMPLIANCE STATEMENT

for a period of  
April' 2016 to September' 2016



## **Sai Wardha Power Limited**

(Formerly known as Wardha Power Company Limited)

B-2, Warora Growth Center  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra - 442 907



## SAI WARDHA POWER LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : APR, 2016 to SEP, 2016)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

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## SAI WARDHA POWER LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : APR, 2016 to SEP, 2016)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

#### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

S.N.	Condition	Compliance as on 30 <sup>th</sup> September, 2016
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac for any activity related to Phase-I &II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. Coal from WCL are being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack emission details are attached as <b>annexure-I</b>
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash stored in dry form in silos with adequate capacities. 100% fly ash is being supplied to Cement plants as per fly ash notification come into force time to time.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.



## SAI WARDHA POWER LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT (PERIOD : APR, 2016 to SEP, 2016)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water Monitoring Report is enclosed herewith as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt is being developed in one third area in and along the periphery of the power plant premises. In addition under CSR activities- 1653 Nos of saplings were planted in nearby villages of Naideo, Chinora and Mohbala. Status of Greenbelt Development is enclosed as <b>Annexure – III.</b>
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV</b>
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP.



## SAI WARDHA POWER LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : APR, 2016 to SEP, 2016)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		In addition, Two water tankers are being deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on 03.08.07 (Phase-I) and 28.11.2007 (Phase-II) which are widely circulated in the region.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2014 to March 2015 has been submitted vide letter no. MoE&F, NGP/RKRU/4160128/809, Dt. 28/05/2016. A copy of the letter is attached for your ready reference as Annexure-V
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.



## SAI WARDHA POWER LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : APR, 2016 to SEP, 2016)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.



### Sai Wardha Power Generation Limited

(Formerly known as Sai Wardha Power Limited)

CIN No.: U40109TG2009PLC047917

#### Works

B-2, Warora Growth Centre,  
MDC, Warora, Chandrapur (Dist.)  
Maharashtra - 442 907  
Tel. 07176-285100,  
Fax: 07176-285125

#### Registered Office

B-2-293/62/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500033.  
Tel. +91-40-23559822-25,  
Fax: +91-40-23559830

**Ref. No. : MoEF & CC, NGP/RKRU/4160128/704**

**Date : 27.07.2017**

To,

**The Additional Director**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ)  
Ground Floor, East Wing  
New Secretariat Building  
NAGPUR-440001

**Subject** : Submission of Six-monthly compliance reports with respect to Sai Wardha Power Generation Ltd. (4x135MW) at Warora (M.S.)

**Reference** : EC vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J-13011/46/2007-IA-II (T) Dated 21.11.2007

Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **October, 2016 to March, 2017.**

Hope you will find it in order.

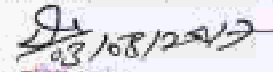
Thanking you.

Yours faithfully,

For, Sai Wardha Power Generation Limited

  
**(Rohit Kumar Upadhyay)**  
Unit Head

CC: to Regional Officer, MPCB, Chandrapur (M.S)

  
03/08/2017  
प्रति

प्रदेशीय कार्यालय

एम.ए. मंडळ, नंदपुर

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change  
क्षेत्रीय कार्यालय (परिभ्रमण वृत्त क्षेत्र)

Regional Office (Warora) (Circular Route)

महानगर, पूर्व खंड / नंदपुर एम.ए. मंडळ

नया कार्यालय भवन / New Secretariat Building

दिल्ली रोड / Old Lines

नागपुर / Nagpur-440 001

  
03/08/17



# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT (PERIOD : OCT, 2016 to MAR, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

S.N.	Condition	Compliance as on 31 <sup>st</sup> March, 2017
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac for any activity related to Phase-I & II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. Coal from WCL are being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack emission details are attached as <b>annexure-I</b>
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash stored in dry form in silos with adequate capacities. 100% fly ash is being supplied to Cement plants as per fly ash notification come into force time to time.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities.



# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT (PERIOD : OCT, 2016 to MAR, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	water outside the plant boundary.	There is no discharge of waste water outside the plant premises.
9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water Monitoring Report is enclosed herewith as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt is being developed in one third area in and along the periphery of the power plant premises. In addition under CSR activities- 1653 Nos of saplings were planted in nearby villages of Naideo, Chinora and Mohbala.  Status of Greenbelt Development is enclosed as <b>Annexure – III.</b>
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at	Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board.  Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV</b>



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT (PERIOD : OCT, 2016 to MAR, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Bhopal.	
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP.
		In addition, Two water tankers are being deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge.  Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2014 to March 2015 has been submitted vide letter no. <i>MoEF, NGP/RKRU/4160128/1680, Dt. 14/12/2016.</i>



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT (PERIOD : OCT, 2016 to MAR, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		A copy of the letter is attached for your ready reference as <b>Annexure-V</b>
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.
	Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.





# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2017 to September, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

S.N.	Condition	Compliance as on 30 <sup>th</sup> September, 2017
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Bags of Unit# 4 replaced during August' 2017. Stack emission Monitoring details are attached as <b>annexure-I</b>
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash stored in dry form in silos with adequate capacities. 100% fly ash is being supplied to Cement plants as per fly ash notification come into force time to time.
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2017 to September, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water Monitoring Report is enclosed herewith as <b>Annexure II</b>
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt developed in approx. 48 Hac area covering approx.1/3 of total plant area. Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annex–III</b> .
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-IV</b>
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers are being deployed at site for controlling of fugitive dust.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2017 to September, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

14	<p>The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>	<p>The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.</p>
15	<p>A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.</p>	<p>A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.</p>
16	<p>Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.</p>	<p>Half yearly reports are being sent to MoEF &amp; RO, MPCB regularly. Half yearly report for the period of October 2016 to March 2017 has been submitted vide letter no. MoEF, NGP/RKRU/4160128/704, Dt. 27/07/2017 on 31.07.2017. A copy of the letter is attached for your ready reference as <b>Annexure-V</b></p>
17	<p>Regional Office of the Ministry of Environment &amp; Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information</p>	<p>A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.</p>



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2017 to September, 2017)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014)  
and J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.



ofc

**Sai Wardha Power Generation Limited**  
(formerly known as Sai Wardha Power Limited)  
CIN No : U40109TG2005PLC047917

Works	Registered Office
B-2, Warora Growth Centre, MIDC, Warora, Chandrapur (Dist.) Maharashtra - 442 907 Tel: 07178-285100, Fax: 07178-285125	B-2-293/82(A/431/A, Road No. 22, Jubilee Hills, Hyderabad - 500033, Tel: +91-40-23559922-25, Fax: +91-40-23559930

**Ref:** MoEF, DHP/L/DVSP/4160128/730  
**Date:** 06.06.2018

To,  
**The Regional Director**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
NAGPUR-440001 (MAHARASHTRA)

**Subject :** Submission of Six-monthly compliance report with respect to  
**Sai Wardha Power Generation Ltd. (4x135MW) at Warora (M.S.)**  
**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007  
and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **Oct'2017 to March'2018**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Limited**

  
(Authorized Signatory)

CC: to Regional Officer, MPCB, Chandrapur (M.S)

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग  
Ministry of Environment, Forest & Climate Change  
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)  
Regional Office (Western Central Zone)  
मू-पल, पूर्व खण्ड / Ground Floor, East Wing,  
नया सचिवालय भवन / New Secretariat Building,  
सिविल नॉर्म्स / Civil Lines  
नागपुर / Nagpur-440 001

  
13/6/18  
Maharashtra Pollution Control Board  
Regional office  
Udyog Bhavan 1<sup>st</sup> Floor Station Road,  
Chandrapur-442401.

  
11/06/18

## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

[PERIOD : OCT, 2017 to MARCH, 2018]

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 [as amended in the Year, 2013 & 2014] and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

#### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase-I & II)

S.N.	Condition	Compliance as on 31 <sup>th</sup> March, 2018
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Bags of Unit# 4 replaced during August'2017. Stack emission details are attached as annexure-I
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash stored in dry form in silos with adequate capacities. 100% fly ash is being supplied to Cement plants as per fly ash notification come into force time to time. (Please see annex. II)
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.

## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and

J-13011/46/2007-IA-II (T) Dated: 21/11/2007

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10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt developed in approx. 48 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – IV</b> .
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-V</b>
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP.

## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		In addition, Two water tankers are being deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on 03.08.07 (Phase-I) and 28.11.2007 (Phase-II) which are widely circulated in the region.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of March 2017 to September'2017 has been submitted vide letter no. MoEF, NGP/SVVN/4160128/1150, Dt. 06/12/2017. A copy of the letter is attached for your ready reference as Annexure-VI
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.

**Sai Wardha Power Generation Limited**

(formerly known as Sai Wardha Power Limited)

CIN No. L40100TG2005PLC047917

**Works**

8-2, Warora Growth Centre,  
MDC, Warora, Chandrapur (Dist.)  
Maharashtra - 442907  
Tel: 07176-285105,  
Fax: 07176-285125

**Registered Office**

B-2-263/82/A/431/A,  
Road No. 22, Jubilee Hills  
Hyderabad - 500033  
Tel: +91-40-23559922-25  
Fax: +91-40-23559930

Ref: MDEF, BPL/SYSU/4160129/1334

Date: 06.12.2018

To,

**The Additional Principal Chief Conservator of Forest**

Ministry of Environment, Forest &amp; Climate Change

Regional Office (WCZ) Ground Floor

East Wing, New Secretariat Building

NAGPUR-440001 (MAHARASHTRA)

**Subject** : Submission of Six-monthly compliance report for the period April'2018  
to September'2018 with respect to **Sai Wardha Power Generation Ltd**  
(4x135MW) at Warora, Maharashtra

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007  
and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,

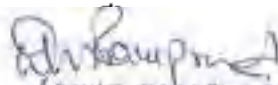
With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **April'2018 to September'2018**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Limited**

  
(DVUS RAM PRASAD)  
(Authorized Signatory)

CC: to Regional Officer, MPCB, Chandrapur (M.S)

**SAI WARDHA POWER GENERATION LIMITED**  
(4 X 135 MW THERMAL POWER PLANT)

**ENVIRONMENTAL COMPLIANCE STATEMENT**

(For the period April'2018 to September'2018)



Report Prepared by:



**SAI WARDHA POWER GENERATION LIMITED**  
B-2, WARORA GROWTH CENTER, MIDC  
WARORA, CHANDRAPUR, MAHARASHTRA



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

#### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

S.N.	Condition	Compliance as on 30 <sup>th</sup> September' 2018
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. For any activity related to Phase-I & II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack emission details are attached as <b>annexure-I</b>
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Bricks manufacturing plants and bottom ash being utilized for reclamation of abandoned stone quarry. Flyash Generation & Utilization for the period April'28 to September'18 is attached as <b>Annexure-II.</b>
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (CC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises. Please see ANNEX-VII



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water Monitoring Report is enclosed herewith as <b>Annexure III</b> .
10	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt developed in approx. 49.0 Hac area covering approx. 34% of total plant area. Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – IV</b> .
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Quality Monitoring Report is enclosed as <b>Annexure-V</b>
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		In addition, Two water tankers are being deployed at site for controlling of fugitive dust.
14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on 03.08.07 (Phase-I) and 28.11.2007 (Phase-II) which are widely circulated in the region.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of September'2017 to March'2018 has been submitted vide letter no. MoEF,BHPL/DVSP/4160128/730, Dt. 11/06/2018. A copy of the letter is attached for your ready reference as Annexure-VI
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information	A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCT, 2017 to MARCH, 2018)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.



**Sai Wardha Power Generation Limited**

(Formerly known as Sai Wardha Power Limited)

(CIN No. L24000MH2007PL0043917)

Works	Registered Office
S-2, New Wardha Road WDC, Wardha, District - (WA)	B-12, MIDC Area, S.A.S. I.A. Pune-40, Dist. Pune, Maharashtra
Website: www.saiwardha.com	Registered - 508033
IN 0719220108	IN 0719220108
IN 0719220108	IN 0719220108
IN 0719220108	IN 0719220108

MUEF&CC, NDR/MWRN/CIL/0101/159

29.5.2019

Ref:  
Date: **29.05.2019**

To,  
**The Additional Principal Chief Conservator of Forest**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Wagle - 440001 (Maharashtra)

**Subject : Submission of Six-monthly compliance report for the period October 2018 to March 2019 with respect to Sai Wardha Power Generation Ltd. (4x135MW) at Warora, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-(A-I) (T) Dated 17.07.2007 and J-13011/46/2007-(A-I) (T) Dated 21.11.2007

Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **October 2018 to March 2019**.

I hope you will find it in order.

Thanking you.

Yours faithfully,

For, Sai Wardha Power Generation Limited

(Authorized Signatory)

CC: To Regional Officer, MPCB, Chandrapur (M.R)



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCTOBER, 2018 to MARCH, 2019)

Ref: J-13011/23/2007-1A-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-1A-II (T) Dated: 21/11/2007

#### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase-I & II)

Sr. No.	Condition	Compliance as on 31 <sup>st</sup> March, 2019
1	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
2	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
3	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
4	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Compact ESP's (COEBP) with adequate (~99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>annexure-I</b>
5	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (Year 2018-19) is enclosed as <b>Annexure-II</b> .
6	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
7	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
8	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises. Treated water analysis report is enclosed as <b>Annexure-III</b>



# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCTOBER, 2018 to MARCH, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

9	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water monitoring and analysis report is enclosed as <b>Annexure IV</b>
10	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas, noise monitoring report is enclosed as <b>Annexure-V</b>
11	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Green Belt developed in approx. 49 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – VI</b> .
12	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient air quality monitoring report is enclosed as <b>Annexure-VII</b> .
13	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers are being deployed at site for controlling of fugitive dust.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCTOBER, 2018 to MARCH, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

14	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on 03.08.07 (Phase-I) and 28.11.2007 (Phase-II) which are widely circulated in the region.
15	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
16	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of March 2018 to September 2018 has been submitted vide letter no. MoEF,BPL/SYSV/4160128/1334, Dt. 16/12/2018. A copy of the letter is enclosed for your ready reference as <b>Annexure-VIII</b> .
17	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.



## SAI WARDHA POWER GENERATION LIMITED

### SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : OCTOBER, 2018 to MARCH, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

18	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
19	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.

\*\*\*\*\*

**Sai Wardha Power Generation Limited**

(formerly known as Sai Wardha Power Limited)

CIN No : U40109TG2005PLC047917

**Works**

B-2, Warora Growth Centre,  
MDC, Warora, Chandrapur (Dist.)  
Maharashtra - 442 907  
Tel: 07176-285100,  
Fax: 07176-285125

**Registered Office**

B-2-293/82/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500033  
Tel: +91-40-23559922-25  
Fax: +91-40-23559930

MOEF&CC, NPUR/MUN/4160101/302

Ref:

Date: 29.11.2019

To,

The Additional Principal Chief Conservator of Forest  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period April 2019 to September 2019 with respect to M/s. Sai Wardha Power Generation Ltd. (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference: Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J-13011/46/2007-IA-II (T) Dated 21.11.2007**

Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period April 2019 to September 2019.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, Sai Wardha Power Generation Limited

(Authorized Signatory)

CC: To Regional Officer, MPCB, Chandrapur (M.S)

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-I</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-19 to September-19) is enclosed as <b>Annexure-II</b> .
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	water outside the plant boundary.	Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.
ix	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Being Complied. Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water analysis report is enclosed as <b>Annexure III</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – IV.</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Online Ambient Air Monitoring Report enclosed as <b>Annexure-V</b>

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers are being deployed at site for controlling of fugitive dust.
xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2018 to March 2019 has been submitted vide letter no. <i>MoEF&amp;CC,NPUR/MVRN/4160101/138</i> , Dt. 29/05/2019. A copy of the letter is enclosed for your ready reference as <b>Annexure-VI</b> .

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.
xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-	Being Complied. SWPGL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of Environment and Forests.	
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM10 & PM2.5) SO <sub>x</sub> (from stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.	Being Complied. Regular monitoring of ambient air and stack emission and results display board installed in main gate display board photographs enclosed as <b>Annexure-VII</b>
xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Noted. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Noted. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b>
xxv	Mercury emission from stack shall also be monitored on periodic basic.	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> Stack monitoring report is enclosed as <b>annexure-I</b>
xxvi	Fugitive emission shall be controlled to prevent impact on agriculture or non – agriculture land.	Being Complied. <b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b> All the dust generation points are fully covered and bag house/dust suppression system has been installed and commissioned at all material transfer points. Truck/tractor mounted water sprinkler has been deployed to control the Fugitive emissions.

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

xxvii	<p>Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.</p>	<p>Being complied.</p> <p><b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b></p> <p>We have signed MOUs for Fly ash utilization with Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.</p>
xxviii	<p>CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.</p>	<p>Being Complied</p> <p>Time to time SWPGL has arranged the training program to local people which is covered under CSR program details enclosed as <b>Annexure-VIII</b></p>
xxix	<p>For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable</p>	<p>Being Complied</p> <p><b>(Plant is not in operation since 15<sup>th</sup> December - 2018 to till date)</b></p>

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2019 to September, 2019)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	CSR details enclosed as <b>Annexure-VIII</b>
xxx	An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Being Complied. A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.

\*\*\*\*\*

**Sai Wardha Power Generation Limited**

(formerly known as Sai Wardha Power Limited)

CIN No : U40109TG2005PLC047917

**Works**

B-2, Warora Growth Centre,  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra – 442 907  
Tel : 07176-285100,  
Fax : 07176-285125

**Registered Office**

8-2-293/82/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500033  
Tel: +91-40-23559922-25  
Fax: +91-40-23559930

**Ref: MOEF&CC, NPUR/DPSJ/4160128/170**

**Date: 20.07.2020**

To,

**The Additional Principal Chief Conservator of Forest**

Ministry of Environment, Forest & Climate Change

Regional Office (WCZ) Ground Floor

East Wing, New Secretariat Building

Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period October 2019 to March 2020 with respect to M/s. Sai Wardha Power Generation Ltd. (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,

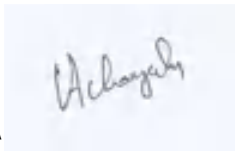
With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **October'2019 to March'2020**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Limited**



(Authorized Signatory)

**CC:** To Regional Officer, MPCB, Chandrapur (M.S)

## **LIST OF ANNEXURE**

<b>S.N.</b>	<b>Particulars</b>	<b>Annexure</b>
1.	Photographs CEMS	I
2.	Stack Monitoring Report	II
3.	Photographs of ESP	III
4.	Fly Ash Generation and Utilization Report	IV
5.	Photographs of ETP, STP	V
6.	Ground Water Analysis Report	VI
7.	Year Wise Plantation Report	VII
8.	Ambient Air Quality Report	VIII
9.	Photographs of Continuous Ambient Air Quality Monitoring System	IX
10.	Fugitive dust controlling system photographs	X
11.	Previous EC Compliance Report (April -2019 to October -2019)	XI
12.	Main Gate Display Board	XII
13.	CSR Report	XIII

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Being Complied. Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas. Photographs of Chimney and CEMS are presented as <b>Annexure-I</b>
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-II and</b> Photographs of ESPs are attached as <b>Annexure-III</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-19 to March-2020) is report enclosed as <b>Annexure-IV</b>
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		of waste water outside the plant premises. Photographs of ETP, STP are presented in <b>Annexure- V</b>
ix	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Being Complied. Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water analysis report is enclosed as <b>Annexure VI</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – VII</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Air Monitoring Report enclosed as <b>Annexure-VIII</b> and Photographs of Air Quality Monitoring System attached as <b>Annexure-IX</b>
xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers and road sweeping machine are being deployed at site for controlling of fugitive dust. Fugitive dust controlling system photographs enclosed as <b>Annexure-X</b>
xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of April 2019 to September 2019 has been submitted vide letter no. <i>MoEF&amp;CC,NPUR/MVRN /4160101/302</i> , <i>Dt. 29/11/2019</i> . A copy of the letter is enclosed for your ready reference as <b>Annexure-XI</b>
xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	documents including Environmental Impact Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted.
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of	Being Complied. SWPGL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Environment and Forests.	
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM10 & PM2.5) SO <sub>x</sub> (from stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.	Being Complied. Regular monitoring of ambient air and stack emission and results display board installed in main gate display board photographs enclosed as <b>Annexure-XII</b>
xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Noted.
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Noted.
xxv	Mercury emission from stack shall also be monitored on periodic basic.	Being Complied. Stack monitoring report is enclosed as <b>annexure-II</b>
xxvi	Fugitive emission shall be controlled to prevent impact on agriculture or non – agriculture land.	Being Complied. All the dust generation points are fully covered and bag house/dust suppression system has been installed and commissioned at all material transfer points. Truck/tractor mounted water sprinkler has been deployed to control the Fugitive emissions. Fugitive emission controlling system photographs enclosed as <b>Annexure-X</b>
xxvii	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall	Being complied. We have signed MOUs for Fly ash utilization with Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	
xxviii	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.	Being Complied Time to time SWPGL has arranged the training program to local people which is covered under CSR program details enclosed as <b>Annexure-XIII</b>
xxix	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Being Complied CSR details enclosed as <b>Annexure-XIII</b>

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2019 to March, 2020)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

xxx	<p>An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.</p>	<p>Being Complied. A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.</p>
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**Sai Wardha Power Generation Limited**

(formerly known as Sai Wardha Power Limited)

CIN No : U40109TG2005PLC047917

**Works**

B-2, Warora Growth Centre,  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra – 442 907  
Tel : 07176-285100,  
Fax : 07176-285125

**Registered Office**

8-2-293/82/A/431/A,  
Road No. 22, Jubilee Hills,  
Hyderabad - 500033  
Tel: +91-40-23559922-25  
Fax: +91-40-23559930

**Ref. No:MOEF&CC,NPUR/DPSJ/4160128/350**

**Date: 10.12.2020**

To,  
**The Additional Principal Chief Conservator of Forest**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period April 2020 to September 2020 with respect to M/s. Sai Wardha Power Generation Ltd. (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,


With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **April'2020 to September '2020**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Limited**



(Authorized Signatory)

CC: To Regional Officer, MPCB, Chandrapur (M.S)

# SAI WARDHA POWER GENERATION LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2020 to September, 2020)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I &II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Being Complied. Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-I</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-2020 to September -2020) report is enclosed as <b>Annexure-II</b>
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.
ix	Regular monitoring of ground water quality including heavy metals shall be	Being Complied. Ground water quality monitoring and analysis is

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	undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	being carry out in regular intervals in an around the project and waste disposal areas. Ground water analysis report is enclosed as <b>AnnexureIII</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – IV</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Monitoring Report is enclosed as <b>Annexure-V</b>
xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers and road sweeping machine are being deployed at site for controlling of fugitive dust. Fugitive dust controlling system photographs are enclosed as <b>Annexure-VI</b>

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xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2019 to March 2020 has been submitted vide letter no. <b>MOEF&amp;CC, NPUR/DPSJ/4160128/170, Dt. 20/07/2020</b> . A copy of the letter is enclosed for your ready reference as <b>Annexure-VII</b>
xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.

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xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted.
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of Environment and Forests.	Being Complied. SWPGL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM10 & PM2.5) SO <sub>x</sub> (from stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the	Being Complied. Regular monitoring of ambient air and stack emission and results display board installed in main gate display board photograph is enclosed as <b>Annexure-VIII</b>

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	power plant.	
xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Noted.
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Noted.
xxv	Mercury emission from stack shall also be monitored on periodic basic.	Being Complied. Stack monitoring report is enclosed as <b>Annexure-I</b>
xxvi	Fugitive emission shall be controlled to prevent impact on agriculture or non – agriculture land.	Being Complied. All the dust generation points are fully covered and bag house/dust suppression system has been installed and commissioned at all material transfer points. Truck/tractor mounted water sprinkler has been deployed to control the Fugitive emissions. Fugitive emission controlling system photographs are enclosed as <b>Annexure-VI</b>
xxvii	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and	Being complied. We have signed MOUs for Fly ash utilization with Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.

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	implementation done in close co-ordination with the State Pollution Control Board.	
xxviii	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.	Being Complied Time to time SWPGL has arranged the training program to local people which is covered under CSR. Program detail for the period (April-2020 to September 2020) is enclosed as <b>Annexure-IX</b>
xxix	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Being Complied Program detail for the period (April-2020 to September 2020) is enclosed as <b>Annexure-IX</b>
xxx	An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and	Being Complied. A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.

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qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	
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# Sai Wardha Power Generation Private Limited

CIN No: U40109TG2005PLC047917

## Works

B-2, Warora Growth Center,  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra – 442 907  
Tel: 07176-2851000  
Fax: 07176-285125

## Registered Office

8-2-293/82/A/90,  
Road No. 9, JubileeHills,  
Behind TV 5 Office,  
Hyderabad – 500 033,  
Tel: +91-40-25566899

**Ref.: MOEF&CC, NPUR/SHSS/4160128/235**

**Date: 06.07.2021**

To,  
**The Additional Principal Chief Conservator of Forest**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period October 2020 to March 2021 with respect to M/s. Sai Wardha Power Generation Private Limited (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,

With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **October'2020 to March '2021**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Private Limited**



**(Authorized Signatory)**

**CC:** To Regional Officer, MPCB, Chandrapur (M.S)

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### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Being Complied. Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%.
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas. Stack monitoring report is enclosed as <b>Annexure-I</b>
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-I</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-2020 to March -2021) report is enclosed as <b>Annexure-II</b>
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.

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ix	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Being Complied. Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water analysis report is enclosed as <b>Annexure-III</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas.
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – IV</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Monitoring Report is enclosed as <b>Annexure-V</b>
xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers and road sweeping machine are being deployed at site for controlling of fugitive dust. Fugitive dust controlling system

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		photographs are enclosed as <b>Annexure-VI</b>
xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of April 2020 to September 2020 has been submitted vide letter no. <b>MOEF&amp;CC, NPUR/DPSJ/4160128/350, on dated 10/12/2020</b> . A copy of the letter is enclosed for your ready reference as <b>Annexure-VII</b>
xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.

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	monitoring.	
xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted.
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of Environment and Forests.	Being Complied. SWPGPL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM <sub>10</sub> & PM <sub>2.5</sub> ) SO <sub>x</sub> (from stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.	Being Complied. Regular monitoring of ambient air and stack emission and results display board installed in main gate display board photograph is enclosed as <b>Annexure-VIII</b>

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xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Noted.
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Noted.
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xxvi i	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	Being complied. We have signed MOUs for Fly ash utilization with Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.

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xxvi ii	<p>CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.</p>	<p>Being Complied</p> <p>Time to time SWPGPL has arranged the training program to local people which is covered under CSR. Program detail for the period (April-2020 to March 2021) is enclosed as <b>Annexure-IX</b></p>
xxix	<p>For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.</p>	<p>Being Complied</p> <p>Program detail for the period (April-2020 to March 2021) is enclosed as <b>Annexure-IX</b></p>
xxx	<p>An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.</p>	<p>Being Complied.</p> <p>A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities.</p>

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

xxxii	<i>Additional conditions as per Office Memorandum on Amendment in Environmental clearance for change in coal source by Thermal Power Plants, Dtd.11.11.2020</i>	
a.	Details regarding change in source (location of the source, proposed quantity, distance from power plant and mode of transportation), quality (Ash, Sulphur, Moisture content and Calorific value) shall be informed to the Ministry and its concerned Regional Office. The quantity of coal transported from each source along with the mode of transportation shall be submitted as part of EC Compliance Report.	Noted & Being Complied. Coal received detail FY 2020-21 report is enclosed as <b>Annexure-X</b>
b.	The applicable flue gas emissions standards for Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Mercury shall be complied in line with Ministry's Notification vide S.O. 3305( E) dated 7.12.2015 and subsequent emissions. A Progress of implementation and its compliance shall be submitted as part of Compliance report.	Noted & complying. The PM & Hg value of flue gas for all running units has been maintained within standard in line with MoEF & CC notification vide S.O. 3305 Dtd. 07.12.2015. To achieve SO <sub>2</sub> and NO <sub>x</sub> limits, the FGD installation is as designed and planned. As per the notification of MoEF & CC, dated 31 March 2021, the completion project is to be completed by 31 December 2024
c.	Ash content in the Coal and Coal transportation is governed by the Ministry's Notification vide S.O. 1561( E) dated 21.5.2020 As far as possible, Coal transportation shall be done by rail/conveyor or other eco- friendly modes. However, road transportation is allowed with tarpaulin covered trucks till the railway/ conveyor belt infrastructure is made available. A progress (Physical and financial) of rail connectivity from nearest railway siding or conveyor connectivity to the power plant shall be submitted in the EC compliance report.	Noted & Being Complied.
d.	Additional ash pond is not allowed due to increase in ash content in the raw coal as against the ash pond permitted in the Environmental clearance. The 100% fly ash utilization is to be achieved within 4 years in line with Fly ash Notifications dated 14.9.1999, 27.8.2003, 3.11.2009 and 25.1.2016 and amended time to time or extant regulations on fly ash utilization.	Agreed & Complied. According to Fly Ash notification and as amended time to time on Fly Ash utilization, SWPGPL 100% utilized Fly Ash.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2020 to March, 2021)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

e.	In case of exceptional circumstances, project proponents may approach the Ministry for seeking permission to use an emergency ash pond with cogent reasons, if any	Noted & Agreed.
f.	The details regarding monthly generation, utilization and disposal of fly ash (including Bottom ash) shall be submitted to the Ministry and its Regional Office.	Complying. The details of Fly Ash Generation and utilization have been submitted to the Ministry & its Regional Office. Last FY 2020-21 Fly ash generation & utilization report is enclosed as <b>Annexure-II.</b>

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# Sai Wardha Power Generation Private Limited

CIN No: U40109TG2005PLC047917

## Works

B-2, Warora Growth Center,  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra – 442 907  
Tel: 07176-2851000  
Fax: 07176-285125

## Registered Office

8-2-293/82/A/90,  
Road No. 9, JubileeHills,  
Behind TV 5 Office,  
Hyderabad – 500 033,  
Tel: +91-40-25566899

**Ref.:MOEF&CC,NPUR/SHSS/4160128/543**

**Date: 24.12.2021**

To,  
**The Additional Principal Chief Conservator of Forest**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period April 2021 to September 2021 with respect to M/s. Sai Wardha Power Generation Private Limited (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,


With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period **April'2021 to September '2021**.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Private Limited**



**(Authorized Signatory)**

**CC:** To Regional Officer, MPCB, Chandrapur (M.S)

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I & II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Being Complied. Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%. Coal analysis report enclosed as <b>Annexure-XI</b>
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-I</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-2021 to September -2021) report is enclosed as <b>Annexure-II</b>
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and

J-13011/46/2007-IA-II (T) Dated: 21/11/2007

ix	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Being Complied. Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and waste disposal areas. Ground water analysis report is enclosed as <b>Annexure-III</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas. Noise monitoring report enclosed as <b>Annexure-IV</b>
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac. area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – V</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Monitoring Report is enclosed as <b>Annexure-VI</b>
xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers and road sweeping machine are being deployed at site for controlling

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

		of fugitive dust. Fugitive dust controlling system photographs are enclosed as <b>Annexure-VII</b>
xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	Complied. A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities. Organization structure of Environmental Management cell is presented as <b>Annexure-VIII</b>
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of October 2020 to March 2021 has been submitted vide letter no. <b>MOEF&amp;CC, NPUR/SHSS/4160128/235, on dated 06/07/2021</b> . A copy of the letter is enclosed for your ready reference as <b>Annexure-IX</b>
xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and  
J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted.
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of Environment and Forests.	Being Complied. SWPGPL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM10 & PM2.5) SO <sub>x</sub> (from	Being Complied. Regular monitoring of ambient air and stack

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

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	stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.	emission and results display board installed in main gate display board photograph is enclosed as <b>Annexure - X</b>
xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Being Complied. Regularly analyzing Heavy metals in coal through NABL accredited Laboratory and details are attached as <b>Annexure-XI</b>
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Initial feasibility studies have been conducted to harnessing solar power from rooftop and available open area and approximately 1.MW to be generated. We could not execute job non availability for fund and now initiated activity and will be completed in 5 years period in phased manner. The approximate cost of project is Rs.2.5 Crores and this year allocated Rs. 25 Lakhs
xxv	Mercury emission from stack shall also be monitored on periodic basic.	Complied and being complied. Stack monitoring report is enclosed as <b>Annexure-I</b>
xxvi	Fugitive emission shall be controlled to prevent impact on agriculture or non – agriculture land.	Complied and being complied All the dust generation points are fully covered and bag house/dust suppression system has been installed and commissioned at all material transfer points. Truck/tractor mounted water sprinkler has been deployed to control the Fugitive emissions. Fugitive emission controlling system photographs are enclosed as <b>Annexure-VII</b>
xxvi i	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall	Being complied. We have signed MOUs for Fly ash utilization with Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

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	take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	
xxvi ii	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.	Being Complied  Time to time SWPGPL has arranged the training program to local people which is covered under CSR. Program detail for the period (April-2021 to September 2021) is enclosed as <b>Annexure-XII</b>
xxix	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Being Complied  Program detail for the period (April-2021 to September 2021) is enclosed as <b>Annexure- XII</b>
xxx	An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational	Complied.  A separate environmental management cell comprising the qualified personals is in place at

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

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J-13011/46/2007-IA-II (T) Dated: 21/11/2007

	health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities. Organization structure of Environmental Management cell is presented as <b>Annexure-VIII</b>
	<b><i>Additional conditions as per Office Memorandum on Amendment in Environmental clearance for change in coal source by Thermal Power Plants, Dtd.28.08.2019</i></b>	
xxxii	The guidelines prepared by CPCB of disposal of fly ash for reclamation of low lying areas and in stowing/backfilling of abandoned mines/quarries shall be followed during disposal of ash in abandoned or working mines	Current status Obtained No objection certificate from Maharashtra Pollution Control Board to reclaim abandoned mines Nandori Khurd and Pimpalgaon, NOC copy is enclosed as <b>Annexure-XIII</b>
	There should be at least be clearance of 500 m of safe distance be maintained from river and water body in ash disposal in abandoned mines to prevent embankment failures and fly ash flowing into the nearby water body	Complied and being complied
	The top layer of the flyash disposal area in the abandoned mines shall kept moist during disposal	Complied and being complied
	Top layer of the disposal area should have 70 cm overburden or gravel /stones and then 30 cm of sweet soil cover. Subsequently, vegetation shall be raised on the soil cover	Complied and being complied
	Bioaccumulation and biomagnification tests shall be conducted on surrounding flora and fauna (tree leaves, vegetation, crop yields and cattle population) during pre-monsoon and post monsoon season to find out any	Noted.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

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	trace metal escaped through ground water or runoff.	
	Surface runoff and supernatant water, any case shall not be let into the surrounding areas. It shall be collected by providing adequate drains around the mine. The supernatant water along with surface runoff shall be treated and re used for mixing ash and plant operations	Being Complied Above abandoned stone quarry has 7-8 meters depth from all side and no possibility of surface run-off however we will ensure & take all precautions to prevent surface run-off.
	To the extent possible, only decanted water from mine, make up water from treated effluents such cooling tower blow down and treated sewage water shall be used for making ash slurry	Being Complied Not applicable as SWPGPL is not using any abandoned mines which near to power plant. As on today, SWPGPL uses treated effluents in dust suppression in ash handling and coal handling areas
	Fly ash to be used ash soil conditioner in agriculture needs and to be applied in controlled manner to limit excessive application so as to prevent soil degradation. The optimize proportion of ash to be applied which is to certified by State Agriculture Universities/Colleges based on soil testing	Being complied. We have utilized Fly ash Ambuja Cement, Manikgarh Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.
	Approval of DGMS shall be obtained before disposing the ash in the mine voids	Complied.
	Technology for conversion of fly ash into coarse granules for stowing in in the underground mines to be explored	Noted and no underground operational and or closed in the 50 km radius
	All the power plants should install different silos for dry collection of fly ash	Complied. Fly ash silos installed with adequate capacities.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

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	Records pertaining to details of month wise quantity of fly ash disposed and water consumption along with nature/source of water shall be maintained and submitted to Ministry /Regional office annually	Being Complied. Month wise Fly ash generation and utilization for the period (April-2021 to September -2021) report is enclosed as <b>Annexure-II</b> Details of Specific Water Consumption for the period (April-2021 to September -2021) enclosed as <b>Annexure-XIV</b>
	Before starting the disposal of ash into mine voids, NOC/permission from mine owners is to be obtained incase of mine closure activities not completed or State Government incase of mine has been handed over to the State Government. After its closure. A copy of such NOC/permission is to be submitted to the Ministry and its Regional offices	Current status Obtained No objection certificate from Maharashtra Pollution Control Board to reclaim abandoned mines near Nandori Khurd and Pimpalgaon details are attached <b>Annexure-XIII</b>
<b><i>Additional conditions as per Office Memorandum on Amendment in Environmental clearance for change in coal source by Thermal Power Plants, Dtd.11.11.2020</i></b>		
a.	Details regarding change in source (location of the source, proposed quantity, distance from power plant and mode of transportation), quality (Ash, Sulphur, Moisture content and Calorific value) shall be informed to the Ministry and its concerned Regional Office. The quantity of coal transported from each source along with the mode of transportation shall be submitted as part of EC Compliance Report.	Noted & Being Complied. Coal received detail for the period (April-2021 to September -2021) report is enclosed as <b>Annexure-XV</b>
b.	The applicable flue gas emissions standards for Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Mercury shall be complied in line with Ministry's Notification vide S.O. 3305( E) dated 7.12.2015 and subsequent emissions. A Progress of implementation and its compliance shall be submitted as part of Compliance report.	Noted & complying. The PM & Hg value of flue gas for all running units has been maintained within standard in line with MoEF & CC notification vide S.O. 3305 Dtd. 07.12.2015. To achieve SO <sub>2</sub> and NO <sub>x</sub> limits, the FGD installation is as designed and planned. As per the notification of MoEF & CC, dated 31 March 2021, the completion project is to be completed by 31 December 2024.

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : April, 2021 to September, 2021)

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c.	Ash content in the Coal and Coal transportation is governed by the Ministry's Notification vide S.O. 1561( E) dated 21.5.2020 As far as possible, Coal transportation shall be done by rail/conveyor or other eco- friendly modes. However, road transportation is allowed with tarpaulin covered trucks till the railway/ conveyor belt infrastructure is made available. A progress (Physical and financial) of rail connectivity from nearest railway siding or conveyor connectivity to the power plant shall be submitted in the EC compliance report.	Noted & Being Complied.
d.	Additional ash pond is not allowed due to increase in ash content in the raw coal as against the ash pond permitted in the Environmental clearance. The 100% fly ash utilization is to be achieved within 4 years in line with Fly ash Notifications dated 14.9.1999, 27.8.2003, 3.11.2009 and 25.1.2016 and amended time to time or extant regulations on fly ash utilization.	Agreed & Complied. According to Fly Ash notification and as amended time to time on Fly Ash utilization. Fly ash generation and utilization report for the period (April-2021 to September -2021) are attached as <b>Annexure-II</b> .
e.	In case of exceptional circumstances, project proponents may approach the Ministry for seeking permission to use an emergency ash pond with cogent reasons, if any	Noted & Agreed.
f.	The details regarding monthly generation, utilization and disposal of fly ash (including Bottom ash) shall be submitted to the Ministry and its Regional Office.	Complying. The details of Fly Ash Generation and utilization have been submitted to the Ministry & its Regional Office. Fly ash generation and utilization report for the period (April-2021 to September -2021) are attached as <b>Annexure-II</b> .

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# Sai Wardha Power Generation Private Limited

CIN No: U40109TG2005PLC047917

## Works

B-2, Warora Growth Center,  
MIDC, Warora, Chandrapur (Dist.)  
Maharashtra – 442 907  
Tel: 07176-2851000  
Fax: 07176-285125

## Registered Office

8-2-293/82/A/90,  
Road No. 9, JubileeHills,  
Behind TV 5 Office,  
Hyderabad – 500 033,  
Tel: +91-40-25566899

**Ref.: MOEF&CC, NPUR/SHSS/4160128/303**

**Date: 07.06.2022**

To,  
**The Additional Principal Chief Conservator of Forest**  
Ministry of Environment, Forest & Climate Change  
Regional Office (WCZ) Ground Floor  
East Wing, New Secretariat Building  
Nagpur - 440001 (Maharashtra)

**Subject: Submission of Six-monthly compliance report for the period October 2021 to March 2022 with respect to M/s. Sai Wardha Power Generation Private Limited (4x135MW) Thermal Power Plant at Warora, Dist. Chandrapur, Maharashtra.**

**Reference:** Environmental Clearance vide J-13011/23/2007-IA-II (T) Dated 17.07.2007 and J- 13011/46/2007- IA-II (T) Dated 21.11.2007

Dear Sir,

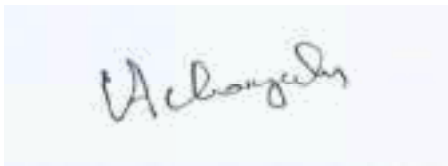
With reference to above letters & subject mentioned, we are submitting herewith status of progress on compliance of the conditions stipulated in above environmental clearances for the period October'2021 to March '2022.

Hope you will find it in order.

Thanking you.

Yours faithfully,

For, **Sai Wardha Power Generation Private Limited**



**(Authorized Signatory)**

**CC:** To Regional Officer, MPCB, Chandrapur (M.S)

# SAI WARDHA POWER GENERATION PRIVATE LIMITED

## SIX MONTHLY ENVIRONMENTAL COMPLIANCE STATUS REPORT

(PERIOD : October, 2021 to March, 2022)

Ref: J-13011/23/2007-IA-II (T) Dated: 17/07/2007 (as amended in the Year, 2013 & 2014) and

J-13011/46/2007-IA-II (T) Dated: 21/11/2007

### Point wise compliance for the conditions stipulated in Environmental Clearance of (Phase- I & II)

i	No additional land in excess of 144 ha shall be acquired for any activity related to Phase-I & Phase-II.	No additional land is acquired in excess of 144 Hac. for any activity related to Phase-I &II.
ii	Coal with ash content not exceeding 34% and Sulphur content not exceeding 0.5% shall be used.	Being Complied. Compliance in progress. WCL & SECL mines coal being utilized having ash content <34% and Sulphur content not exceeding 0.5%. Coal analysis report enclosed as <b>Annexure-XI</b>
iii	A bi-flue stack of 220 m height with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	A bi-flue stack of 220 m has provided to each phase. 04 nos. of CEMS are in operation to measure the real time PM, SO <sub>2</sub> , NO <sub>x</sub> and CO content along with physical parameter's in flue gas.
iv	High efficiency Electrostatic Precipitator (ESP's) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/N m <sup>3</sup> .	Being Complied. Compact ESP's (COEBP) with adequate (=99.9%) collection efficiency has been installed in each unit to keep the particulate emissions within stipulated standards. Stack monitoring report is enclosed as <b>Annexure-I</b>
v	Fly ash shall be collected in dry form and utilized as per fly ash utilization notification, 1999.	Being Complied. The fly ash stored in dry form in silos with adequate capacities. Dry fly ash is being supplied to Cement plants, Brick manufacturing plant and bottom ash being utilized for reclamation of abandoned stone quarry. Fly ash generation and utilization for the period (April-2021 to March -2022) report is enclosed as <b>Annexure-II</b>
vi	Water requirement shall not exceed 1892 m <sup>3</sup> /hr.	Agreed and compliance in progress.
vii	Closed cycle of Concentration (COC) of 5 shall be provided.	Agreed and compliance in progress.
viii	Waste water generated shall be recycled and reused within the plant premises. There shall be no discharge of waste water outside the plant boundary.	Being Complied. Waste Water is being treated in ETP & STP and further utilized in process, green belt development and dust suppression activities. There is no discharge of waste water outside the plant premises.

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ix	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.	Being Complied. Ground water quality monitoring and analysis is being carry out in regular intervals in an around the project and ash disposal areas. Ground water analysis report is enclosed as <b>Annexure-III</b>
x	Noise levels shall be limited to 75 dB(A). For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Being Complied. Noise levels are being regularly monitored in work place area as well as around project area. The monitoring results are within the prescribed limits. The turbine and generator are acoustically enclosed to restrict the noise levels at work zone within the permissible limits. However, protective devices have been provided to the workers working in the high noise areas. Noise monitoring report enclosed as <b>Annexure-IV</b>
xi	A greenbelt shall be developed all around the plant boundary and ash pond area covering at least 1/3 <sup>rd</sup> of total project area of Phase-I & Phase-II.	Complied. Green Belt developed in approx. 49 Hac. area covering approx. 34% of total plant area .Plantation is done all along the periphery of the plant premises as well as inside plant. Status of Greenbelt Development is enclosed as <b>Annexure – V</b>
xii	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry and its Regional Office at Bhopal.	Being Complied. Regular monitoring of ambient air quality is being carried out in the plant premises and in surrounding villages. Monitoring results are within the prescribed limits and submitted regularly to the MPC Board. Ambient Air Monitoring Report is enclosed as <b>Annexure-VI</b>
xiii	For controlling fugitive dust, regular sprinkling of water in coal handling areas and other vulnerable areas of the plant shall be ensured.	Being Complied. For controlling fugitive dust emission, effective dust suppression system has been installed at coal storage yard, conveyor belt, along the sides of the internal roads and other vulnerable areas of AHP & CHP. In addition, Two water tankers and road sweeping machine are being deployed at site for controlling

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		of fugitive dust. Fugitive dust controlling system photographs are enclosed as <b>Annexure-VII</b>
xiv	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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 letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Complied. The Public Notice of Environmental Clearance has been given in two newspapers namely, The Hitvada and Lokmat on <b>03.08.07 (Phase-I)</b> and <b>28.11.2007 (Phase-II)</b> which are widely circulated in the region.
xv	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	Complied. A separate environmental management cell comprising the qualified personals is in place at site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities. Organization structure of Environmental Management cell is presented as <b>Annexure-VIII</b>
xvi	Half yearly report on the status of implementation of the conditions and environmental safeguards shall be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Being Complied. Half yearly reports are being sent to MoEF & RO, MPCB regularly. Half yearly report for the period of April 2021 to September 2021 has been submitted vide letter no. <b>MOEF&amp;CC, NPUR/SHSS/ 4160128/543, on dated 24/12/2021.</b> A copy of the letter is enclosed for your ready reference as <b>Annexure-IX</b>
xvii	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact	Complied. A complete set of documents has been submitted to Regional Office of the Ministry vide ref MOEF, BHPL/AKM/1160101/910 dated 02.06.2009.

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	Assessment Report, Environment Management Plan and other information Submitted to MoEF should be forwarded to the Regional Office for their use during monitoring.	
xviii	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Being Complied. Separate funds have been allocated for implementation of environmental protection measures. The funds earmarked for the environment protection measures shall be utilized only for environment protection.
xix	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhopal /the CPCB/the SPCB during monitoring of the project.	Noted, and is being complied.
xx	The project proponent shall regularly submit documents such as Bill of imports (direct imports) for imported coal to establish that imported coal from ASK RE Ltd., Hongkong is meant for this power plant and the records shall be maintained for verification by the concerned Govt. agencies.	Noted.
xxi	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearances issued vide this ministry's letter nos. J-13011/23/2007-IA.II(T), dated 17.07.2007 and J-13011/46/2007-IA.II(T), dated 21.11.2007, in this website and updated periodically and also simultaneously send the same by e-mail to Regional Office of the Ministry of Environment and Forests.	Being Complied. SWPGPL regular submitted and uploaded the status of compliance of the conditions stipulated in the environmental clearances.
xxii	Criteria pollutants levels including NO <sub>x</sub> ,RSPM (PM <sub>10</sub> & PM <sub>2.5</sub> ) SO <sub>x</sub> (from	Being Complied. Regular monitoring of ambient air and stack

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	stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.	emission and results display board installed in main gate display board photograph is enclosed as <b>Annexure - X</b>
xxiii	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Being Complied. Regularly analyzing Heavy metals in coal through NABL accredited Laboratory and details are attached as <b>Annexure-XI</b>
xxiv	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Initial feasibility studies have been conducted to harnessing solar power from rooftop and available open area and approximately 1.MW to be generated. We could not execute job non availability for fund and now initiated activity and will be completed in 5 years period in phased manner. The approximate cost of project is Rs.2.5 Crores and this year allocated Rs. 25 Lakhs
xxv	Mercury emission from stack shall also be monitored on periodic basic.	Complied and being complied. Stack monitoring report is enclosed as <b>Annexure-I</b>
xxvi	Fugitive emission shall be controlled to prevent impact on agriculture or non – agriculture land.	Complied and being complied All the dust generation points are fully covered and bag house/dust suppression system has been installed and commissioned at all material transfer points. Truck/tractor mounted water sprinkler has been deployed to control the Fugitive emissions. Fugitive emission controlling system photographs are enclosed as <b>Annexure-VII</b>
xxvi i	Fly ash shall not be used for agriculture purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall	Being complied. We have signed MOUs for Fly ash utilization with Ambuja Cement, Dalmia Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.

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	take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	
xxvi ii	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.	Being Complied Time to time SWPGPL has arranged the training program to local people which is covered under CSR. Program detail for the period (April-2021 to March -2022) is enclosed as <b>Annexure-XII</b>
xxix	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	Being Complied Program detail for the period (April-2021 to March 2022) is enclosed as <b>Annexure- XII</b>
xxx	An Environment Cell comprising of at least one expert in environmental science/engineering, ecology, occupational	Complied. A separate environmental management cell comprising the qualified personals is in place at

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	health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	site who is reporting to Unit Head/In-Charge. Further, Environmental Management department at head office coordinate with site environment management cell in all the activities. Organization structure of Environmental Management cell is presented as <b>Annexure-VIII</b>
	<b><i>Additional conditions as per Office Memorandum on Amendment in Environmental clearance for change in coal source by Thermal Power Plants, Dtd.28.08.2019</i></b>	
xxxii	The guidelines prepared by CPCB of disposal of fly ash for reclamation of low lying areas and in stowing/backfilling of abandoned mines/quarries shall be followed during disposal of ash in abandoned or working mines	Current status Obtained No objection certificate from Maharashtra Pollution Control Board to reclaim abandoned mines Nandori Khurd and Pimpalgaon, NOC copy are enclosed as <b>Annexure-XIII</b>
	There should be at least be clearance of 500 m of safe distance be maintained from river and water body in ash disposal in abandoned mines to prevent embankment failures and fly ash flowing into the nearby water body	Complied and being complied
	The top layer of the flyash disposal area in the abandoned mines shall kept moist during disposal	Complied and being complied
	Top layer of the disposal area should have 70 cm overburden or gravel /stones and then 30 cm of sweet soil cover. Subsequently, vegetation shall be raised on the soil cover	Complied and being complied
	Bioaccumulation and biomagnification tests shall be conducted on surrounding flora and fauna (tree leaves, vegetation, crop yields and cattle population) during pre-monsoon and post monsoon season to find out any	Noted.

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	trace metal escaped through ground water or runoff.	
	Surface runoff and supernatant water, any case shall not be let into the surrounding areas. It shall be collected by providing adequate drains around the mine. The supernatant water along with surface runoff shall be treated and re used for mixing ash and plant operations	Being Complied Above abandoned stone quarry has 8-10 meters depth from all side and no possibility of surface run-off however we will ensure & take all precautions to prevent surface run-off.
	To the extent possible, only decanted water from mine, make up water from treated effluents such cooling tower blow down and treated sewage water shall be used for making ash slurry	Being Complied Not applicable as SWPGPL is not using any abandoned mines which near to power plant. As on today, SWPGPL uses treated effluents in dust suppression in ash handling and coal handling areas
	Fly ash to be used ash soil conditioner in agriculture needs and to be applied in controlled manner to limit excessive application so as to prevent soil degradation. The optimize proportion of ash to be applied which is to certified by State Agriculture Universities/Colleges based on soil testing	Being complied. We have utilized Fly ash Ambuja Cement, Dalmia Cement, Ultratech Cement, ACC Cement and nearest fly ash brick plant.
	Approval of DGMS shall be obtained before disposing the ash in the mine voids	Complied.
	Technology for conversion of fly ash into coarse granules for stowing in in the underground mines to be explored	Noted and no underground operational and or closed in the 50 km radius
	All the power plants should install different silos for dry collection of fly ash	Complied. Fly ash silos installed with adequate capacities.

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	Records pertaining to details of month wise quantity of fly ash disposed and water consumption along with nature/source of water shall be maintained and submitted to Ministry /Regional office annually	Being Complied. Fly ash generation and utilization for the period (April-2021 to March -2022) report is enclosed as <b>Annexure-II</b> Details of Specific Water Consumption for the period (April-2021 to March -2022) enclosed as <b>Annexure-XIV</b>
	Before starting the disposal of ash into mine voids, NOC/permission from mine owners is to be obtained incase of mine closure activities not completed or State Government incase of mine has been handed over to the State Government. After its closure. A copy of such NOC/permission is to be submitted to the Ministry and its Regional offices	Current status  Obtained No objection certificate from Maharashtra Pollution Control Board to reclaim abandoned mines near Nandori Khurd and Pimpalgaon details are attached <b>Annexure-XIII</b>
<b><i>Additional conditions as per Office Memorandum on Amendment in Environmental clearance for change in coal source by Thermal Power Plants, Dtd.11.11.2020</i></b>		
a.	Details regarding change in source (location of the source, proposed quantity, distance from power plant and mode of transportation), quality (Ash, Sulphur, Moisture content and Calorific value) shall be informed to the Ministry and its concerned Regional Office. The quantity of coal transported from each source along with the mode of transportation shall be submitted as part of EC Compliance Report.	Noted & Being Complied. Coal received detail for the period (April-2021 to March -2022) report is enclosed as <b>Annexure-XV</b>
b.	The applicable flue gas emissions standards for Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Mercury shall be complied in line with Ministry's Notification vide S.O. 3305( E) dated 7.12.2015 and subsequent emissions. A Progress of implementation and its compliance shall be submitted as part of Compliance report.	Noted & complying. The PM & Hg value of flue gas for all running units has been maintained within standard in line with MoEF & CC notification vide S.O. 3305 Dtd. 07.12.2015. To achieve SO <sub>2</sub> and NO <sub>x</sub> limits, the FGD installation is as designed and planned. As per the notification of MoEF & CC, dated 31 March 2021, the completion project is to be completed by 31 December 2024.

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c.	Ash content in the Coal and Coal transportation is governed by the Ministry's Notification vide S.O. 1561( E) dated 21.5.2020 As far as possible, Coal transportation shall be done by rail/conveyor or other eco- friendly modes. However, road transportation is allowed with tarpaulin covered trucks till the railway/ conveyor belt infrastructure is made available. A progress (Physical and financial) of rail connectivity from nearest railway siding or conveyor connectivity to the power plant shall be submitted in the EC compliance report.	Noted & Being Complied.
d.	Additional ash pond is not allowed due to increase in ash content in the raw coal as against the ash pond permitted in the Environmental clearance. The 100% fly ash utilization is to be achieved within 4 years in line with Fly ash Notifications dated 14.9.1999, 27.8.2003, 3.11.2009 and 25.1.2016 and amended time to time or extant regulations on fly ash utilization.	Agreed & Complied. According to Fly Ash notification and as amended time to time on Fly Ash utilization. Fly ash generation and utilization report for the period (April-2021 to March -2022) are attached as <b>Annexure-II</b> .
e.	In case of exceptional circumstances, project proponents may approach the Ministry for seeking permission to use an emergency ash pond with cogent reasons, if any	Noted & Agreed.
f.	The details regarding monthly generation, utilization and disposal of fly ash (including Bottom ash) shall be submitted to the Ministry and its Regional Office.	Complying. The details of Fly Ash Generation and utilization have been submitted to the Ministry & its Regional Office. Fly ash generation and utilization report for the period (April-2021 to March -2022) are attached as <b>Annexure-II</b> .

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