



NABHA POWER LIMITED

Mailing Address: SCO 32, Sector 26-D, Madhya Marg, Chandigarh-160 019
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Ref: NPL/RB/MOEF/339/340

Dated: August 13, 2016

To,

Director (S),
Government of India,
Ministry of Environment , Forests & Climate Change,
Northern Regional Office,
Chandigarh-160030, Punjab

Sub: Six Monthly compliance Status of Environment Clearance conditions from Jan-16 to June-16

Dear Sir,

As per the conditions under Environment Clearance given to Nabha Power Limited, kindly find herewith compliance status of same for your kind reference.

Thanking you,

Yours faithfully
For Nabha Power Limited

Rajiv Bhandari
AGM-EHS

Cc: Sh Pardeep Gupta, Sr. Environmental Engineer, Punjab Pollution Control Board, Patiala.

COMPLIANCE STATUS OF MOEF CONDITIONS @ 1400 MW (As on 30.06.2016)

S. No.	MOEF Conditions	Compliance Status
1.	The total land requirement for the project shall be restricted to 1278 acres.	The land requirement for 1400 MW has been restricted within 1278 acres only.
2.	Prior clearance from the competent authority shall be obtained for locating the proposed power plant in proximity (about 3 kms) of the defence installation. A copy of the same shall be furnished to the ministry and the regional office of this ministry within one month from the date of issue of this clearance letter.	NOC from Ministry of defence & AAI obtained on 25 th May, 2009, Ref No. :No. 21(7)/2008/D(Coord) & 22 nd July, 2008, Ref No.: No. AAI/20012/664/ 2008-ARI (NOC) respectively.
3.	Sulphur & ash contents in the coal to be used in the project shall not exceed 0.5% & 34%.	Sulphur & ash contents in the coal being used are below 0.5% & 34%. Respectively.
4.	A bi-flue stack of height 275 m shall be provided with continuous online monitoring equipments for SOx, NOx & particulate matter. Exit velocity of flue gas should not be less than 25 m/sec.	Continuous online monitoring equipment are functional at 275 Mtr. stack on both the flues attached to Boiler 1 & Boiler 2 and monitoring of PM, Sox & Nox. is being done. The exit velocity of flue gas is measured and is more than 25 m/sec.
5.	High efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure particulate emission doesn't exceed 50 mg/m ³ .	The ESP's attached to Boiler 1 & 2 are functional and have efficiencies more than 99.99%. The SPM emissions are < 50 mg/Nm ³ .
6.	Space provision shall be kept for retrofitting for FGD, if required at later date.	Space provision for FGD has already been earmarked
7.	Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	The Dust extraction system & Dust suppression system (water sprinklers) is operational in the coal handling area, ash handling and at all transfer points.
8.	Fly ash to be collected in dry form in storage facility (silos) shall be provided. 100% utilization of fly ash shall be achieved from day one. Unutilized fly ash in emergency and bottom ash shall be disposed in ash pond and bottom ash in conventional slurry mode. Mercury and other heavy metals (Hg,Cr,Pb etc.) will be monitored in bottom ash and fly ash as also in the effluent emanating from ash pond.	Fly Ash Silos (3 Nos.) are fully operational. The utilization report of Fly ash is being submitted with the Regional Office, PPCB on monthly basis. Monitoring of heavy metals is being done for both bottom & fly ash and reports are submitted with the Regional Office, MOEF & PPCB on 6 monthly basis. Latest report are attached as Annexure-1
9.	Ash pond shall be lined with HDPE lining. Adequate safety measures shall also be implemented to protect ash dyke from getting breached.	Ash Pond bed is provided with HDPE lining (500 micron thick) over 50 mm thick sand cushion and top of HDPE liner is protected with 300 mm earth cover
10.	Closed cycle cooling system with cooling towers shall be provided. Effluents shall be treated as per the prescribed norms.	Complied.


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11.	The treated effluents confirming to the prescribed standard shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during Monsoon. Arrangement shall be made that effluent & storm water do not get mix.	The Power plant is based on Zero Discharge (ZLD) concept and the treated effluents conforming to prescribed standards are being re-circulated and reused within the Plant. There is no discharge outside the plant boundary.
12.	A Sewage Treatment Plant shall be provided and treated sewage shall be used for raising green belt/plantation.	The Sewage treatment plant of 50 KLD capacities is in operation. The treated water is being used for Green belt development/Plantation.
13.	Rain water harvesting should be adopted. Central Ground Water Authority/board shall be consulted for finalization of appropriate rain water harvesting technology with in a period of three months from the date of clearance and details shall be furnished.	Rain water harvesting pits have been made as per the Rain water harvesting scheme approved by CGWA.
14.	Adequate safety measures shall be provided in plant area to check/minimize spontaneous fire in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Chandigarh.	The safety measures submitted to MOEF thr. letter ref: NPL/SKN/MOEF/1423 dated: 28 th June, 2012 have been implemented to check/minimize spontaneous fire in coal yard.
15.	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of project.	Adequate arrangements were made for construction labor such as toilets, STP, safe drinking water, medical health care etc.
16.	Storage facilities for liquid fuel such as LDO and HFO/LSHS shall be made in the plant area where risk is minimum to the storage facilities. On site and off site disaster management plan shall be prepared to meet any eventuality in case of an accident taking place. Mock drills shall be conducted regularly and based on the same, modification required, if any shall be incorporated in the DMP.	The Storage tanks for LDO & HFO storage have been made after necessary risk assessment. On site and off site disaster management plan is prepared and the adequacy of the Plan is being tested on regular basis through conducting mock drills.
17.	Regular monitoring of ground water in and around ash pond area shall be carried out, records maintained and six monthly reports shall be furnished to Regional Office, Chandigarh.	Being done and reports are being submitted to MOEF & PPCB on six monthly basis.
18.	A green belt of adequate width and density shall be developed around plant periphery covering about 1/3 rd of project area preferably with local species.	2.5 Lakh trees already planted @2500/ha with local species.
19.	Activities under CSR shall be enhanced with proper financial allocation. Details of these activities shall be submitted to the Regional Office of the Ministry, SPCB and the Ministry.	The management demonstrates its intention & commitment towards socio-economic development by providing various facilities to the nearby villages. We are furnishing the details of the activities to MOEF and PPCB.
20.	First aid & sanitation arrangement shall be made for the drivers and other contract workers during construction phase.	First aid center & adequate sanitation arrangement for the drivers and other contract workers are in place.

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21.	Noise level emanating from turbines shall be limited to 75 dB (A). For people working in the high noise area, requisite personal protective equipment like Earplug/ear muffs etc. shall be provided. Workers engaged in noisy area such as turbine area, air compressors etc. shall be periodically examined to maintain audiometry record and for any hearing loss including shifting to non-noisy/less noisy areas.	The Noise levels are maintained well below the prescribed standards. PPE's are being provided to all the workers depending upon the task being performed. Medical examination of the workers engaged in high noise area is being done on six monthly basis and records being maintained.
22.	Regular monitoring of ground level concentration of SO ₂ , NO _x , SPM, RSPM and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of the monitoring shall be decided in consultation with SPCB. Periodic report to be submitted to Regional office of this Ministry.	Monitoring reports are regularly being submitted to Regional office of Ministry and PPCB. Latest report are attached as Annexure-II
23.	The project proponent shall advertise in two local newspaper widely circulated in the region around the project, one of which shall be in the vernacular language of the locality/Municipal area/Gram Panchayat concerned and on the company's website within seven days from the date of clearance letter, informing that the project has been accorded environment clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the ministry of Environment and forests at http://envfor.nic.in .	Complied.
24.	A separate Environment Management Cell with qualified staff to be set up for implementation of the stipulated environmental safeguards.	EMC comprising of qualified staff with adequate experience and knowledge is in place to cater environmental responsibilities.
25.	Half yearly report on status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/Regional Office/CPCB/SPCB.	Complied.
26.	Regional office of the Ministry of Environment & Forests located at Chandigarh will monitor implementation of stipulated conditions. A complete set of documents including EIA report & EMP report along with additional information submitted from time to time shall be forwarded to the regional office for their use during monitoring.	Complied.
27.	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes & year wise expenditure should be reported to Ministry.	Being Complied



28.	The project authorities shall inform the regional office as well as the Ministry regarding the date of financial closure and final approval of project by concerned authorities and the dates of start of land development work and commissioning of plant.	Plant is in Operation and generation capacity is 1400 MW
29.	Full co-operation should be extended to the scientists/officers from the Ministry/Regional office of the Ministry at Chandigarh/the CPCB/the SPCB who would be monitoring compliance of environmental status.	The NPL is providing full co-operation to the scientists/officers from the Ministry/Regional office of the Ministry at Chandigarh/the CPCB/the SPCB who are monitoring compliance of environmental status, time to time.
30.	No additional coal consumption beyond 5.8 MTPA (at 85 % PLF) earlier envisaged for 2 x 660 MW and no additional land for the enhanced capacity shall be permitted.	Being Complied.
31.	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance issued vide Ministry's letter of even no. dated 03.10.2008, in its website and update periodically and also simultaneously send the same by email to regional office of Ministry of Environment and Forests.	NPL website is live & the compliance reports & Monthly Environment Monitoring Reports are uploaded periodically on website. Website address : http://www.Intnabhapower.com
32.	Critical pollutants levels including NOx, RPSM _{10 and 2.5} , SO ₂ shall be regularly monitored and results displayed in your website and also at main gate of the power plant.	Being Complied.

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COMPLIANCE STATUS OF MOEF CONDITIONS FOR 2 x 700 (1400 MW)


S. No.	MOEF Conditions	Compliance Status
33	Harnessing solar power within the premises of the plant particularly at the available roof tops shall be under taken and status of implementation shall be submitted periodically to regional office of ministry	Solar panels on Hostel roof and CHP are already provided.
34	A long term study on 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.	Radioactive and Heavy metal contents in Coal is being tested by institute of repute and the reports are being submitted with Regional office of the ministry at Chandigarh.
35	Exit velocity of flue gases shall not be less than 22 m/s. Mercury emissions from stack shall also be monitored on periodic basis.	The exit velocity of flue gases is more than 22 m/s. Mercury emissions from the stack is regularly monitored and the reports are being submitted to MOEF / PPCB on periodic basis. Latest report are attached as Annexure-III Adequate measures to control fugitive emissions already in place.
36	Fugitive emissions shall be controlled to prevent impact on agriculture or non-agriculture land.	Complied.
37	No ground water shall be extracted for use in operation of power plant even in lean season.	The Source Sustainability Study of water was conducted before granting the EC by MOEF to know the source of fulfillment of water requirement by the proposed Plant.
38	Source sustainability of water requirement shall be carried out by an institute of repute. The study shall also specify the source of water for meeting the requirement during lean season. The report shall be submitted to the Regional Office of ministry within six months.	For Nabha Power Limited the source of water is Bhakhra Canal and necessary permissions in this regard was taken from Irrigation Department, Punjab and was submitted with your kind office before grant of Environmental Clearance. When we had applied for Extn. of EC, our plant was already Commissioned and we were having valid Consent to Operate from State Pollution Control Board. Therefore, the said condition is not applicable on us.
39	Hydro geological study of the area shall be reviewed annually and report submitted to the ministry. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.	No Ground Water abstraction is being done. We are only using Canal water for generation of Power. Therefore, the said condition is not applicable on us.
40	Minimum required environment flow suggested by the competent authority of the state government shall be maintained in the Channel / Rivers (as applicable) even in lean season.	Agreed
41	C.O.C of 5.0 shall be adopted	Adopted and being complied.
42	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for fly 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 for mine void filling is to be adopted, prior detailed study of soil characteristics of 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	Agreed

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	close coordination with the State Pollution Control Board	
43	Green belt consisting of 3 tiers of plantations of native species around the plant and at least 100m width shall be raised. Wherever 100m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 75 %.	Complied.
44	Three tier green belt shall be developed all around ash pond over and above the green belt around the plant boundary.	Complied.
45	A common Green Endowment Fund shall be created and the interest earned out of it shall be used for the development and management of Green cover of the area.	Being complied
46	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Same has been complied. Various initiatives have already been started for the development of the surrounding areas like Infrastructure Development, Support to needy families under various welfare schemes, Free Skill training for girls, Support to educational institutions/govt schools/Aganwari Centers, Tree plantation and support for other various community based need/requirement.
47	An amount of Rs 22 Crores shall be earmarked as one time capital cost for CSR program. Subsequently a recurring expenditure of Rs 4.4 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with the road map for implementation.	Same has been complied .Last spent Rs.4.56 Crore on various CSR activities. This year also proposed Rs.4.40 crore for CSR activities.
48	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around villages within 5.0 km of the site and in constant consultation with the village Panchayat and District administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall also be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program. Company shall provide separate budget for community development activities and income generating programs. Vocational training program for possible self-employment and jobs shall be imparted to identify villagers free of cost.	Same has been complied. Presently working in 49 villages falls under the radius of 5 kms and implemented various CSR schemes in the target villages in coordination with village panchayats. Free skill training in Beautician, Tailoring, and Embroidery is being imparted to girls thorough 11 Training centers. Local youth are being given preference for jobs in plant as per their skills, qualification and criteria set for the job.
49	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	A CSR committee is already constituted at NPL level who is monitoring the CSR activities. An impact study is proposed which will be carried out soon to get the feedback of ongoing CSR activities.
50	An Environmental cell shall be created at the project site itself and shall be headed by an officer of the company of appropriate seniority and qualification. It shall be ensured that the head of the cell shall directly report to the Head of the organization.	Environmental Cell is already there and HOD, Mr. Rajiv Bhandari, AGM (HSE) directly reports to the Chief Executive (Head of Organization).
51	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	Regular monitoring of ground water quality including heavy metals is being carried out regularly in and around the Ash Dykes. Piezometer wells are established around the ash pond area and being regularly monitored by Punjab Pollution Control Board on quarterly basis.

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52	<p>Monitoring of the surface quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.</p>	<p>No Ground Water is being abstracted as we are using Canal water for generation of Power. The quality and quantity of the canal water is monitored and records are being maintained. We are already monitoring Heavy metals in Ground Water by taking sample thru Piezometer and submitting the respective reports to Regional office of the ministry at Chandigarh.</p>
53	<p>The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.</p>	<p>Complied. Last Environmental Report was submitted On 29.09.2015 with Regional Office of the Ministry at Chandigarh and PPCB, Patiala.</p>
54	<p>The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.</p>	<p>HSE Policy has been framed and accordingly officers have been designated for achieving the objectives by adherence to the Policy. We are certified for Integrated Management System requirements (ISO 9001, 14001 & OHSAS 18001) by LRQA & Bureau Veritas respectively.</p>





Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services
ISO-14001:2004 OHSAS-18001 2007 CIN : U74140PB2011PTC034739



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PPCB-Ref. No. Lab/...
Dated-30.09.2016

TEST REPORT

Test Report No.: EL270616GS001		5/17/04/01/16		PageNo. 1/1
Customer:	Nabha Power Ltd. P.O Box No. 28, Near Vill. Nalash Distt. Patiala, Rajpura, Punjab			
Type of Sample:	Bottom Ash			
Work Order No. & Date:	NPL/47000-00878 dated 01.03.14			
Mode of Collection of Sample:	Sampling by Laboratory			
Packing, Markings, Seal & Identity:	Poly Bag Marked '27/S/01'			
Quantity:	1Kg			
Date of Sampling:	27.06.2016			
Sampling Location:	Ash Slurry Pump House			
Date of Receipt of Sample:	27.06.2016			
Date of Reporting:	04.07.2016			
Remarks & Observation:	Grey color ash with free standing liquid			
S.No	Test Parameters	Units	Results	Test Method
1.	Lead (as Pb)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3111B A-Ac Flame AAS Method (DL=2mg/kg)
2.	Arsenic (as As)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3114C (DL=2mg/kg)
3.	Total Chromium (as Cr)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3111B A-Ac Flame AAS Method (DL=2mg/kg)
4.	Mercury (as Hg)	mg/kg	<0.09	7.5, LATS/16/2002-03 and APHA 22 nd Ed 2012 -3112B (DL=1.8mg/kg)

Remarks (if any)

S. S. S. S.
Lab Incharge

b. k. k.
Lab Head

End of Report

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Environment Due-diligence, Monitoring and Analysis Services
ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739



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Ref. No. 1
dated-30.05

TEST REPORT

Test Report No.: EL270616GS002		5176 04 01 16		PageNo. 1/1
Customer:		Nabha Power Ltd. P.O Box No. 28, Near Vill. Nalash Distt. Patiala, Rajpura, Punjab		
Type of Sample:		Fly Ash		
Work Order No. & Date:		NPL/47000-00878 dated 01.03.14		
Mode of Collection of Sample:		Sampling by Laboratory		
Packing, Markings, Seal & Identity:		Poly Bag Marked '27/S/02'		
Quantity:		1 Kg		
Date of Sampling:		27.06.2016		
Sampling Location:		From Ash Silo		
Date of Receipt of Sample:		27.06.2016		
Date of Reporting:		04.07.2016		
Remarks & Observation:		Grey color powdered ash		
S.No	Test Parameters	Units	Results	Test Method
1.	Lead (as Pb)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3111B A-Ac Flame AAS Method (DL=2mg/kg)
2.	Arsenic (as As)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3114C (DL=2mg/kg)
3.	Total Chromium (as Cr)	mg/kg	<0.1	7.5, LATS/16/2002-03 and APHA-22 nd Ed 2012-3111B A-Ac Flame AAS Method (DL=2mg/kg)
4.	Mercury (as Hg)	mg/kg	<0.09	7.5, LATS/16/2002-03 and APHA 22 nd Ed 2012 -3112B (DL=1.8mg/kg)

Remarks (if any)

S. S. S. S.
Lab Incharge

P. S. S.
Lab Head

End of Report

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Environment Due-diligence, Monitoring and Analysis Services
 ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

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PRD-Ref. No. Lab/3238892



Dated-30/09/2011

TEST REPORT

Test Report No. :EL270616GA003		581/04/01/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101		
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014		
Type of Sample	Ambient Air		
Mode of Collection of Sample	Sampling by laboratory		
Date of Sampling	27/06/2016		
Sampling Location	Near NDCT		
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer		
Date of Receipt of Sample	28/06/2016		
Period of Analysis	28/06/2016 To 30/06/2016		
Date of Reporting	04/07/2016		
Testing Protocol	NAAQS 2009		
Environmental Condition	Normal		

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	98.14	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	36.14	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	11.56	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	22.86	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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PCRB-01-2011 Lab 15238852
Date: 09.2011

5181/04/07/16



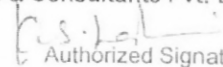
Test Report No. :EL270616GA003				5181/04/07/16		Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method	
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS 5182 (P-12) 2004	

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.


Lab Incharge


Authorized Signatory



Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

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PFCB-Ref No. Lab/3238823 **TEST REPORT**

Dated-30.09.2011



Test Report No. :EL270616GA001		5178/04/01/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101		
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014		
Type of Sample	Ambient Air		
Mode of Collection of Sample	Sampling by laboratory		
Date of Sampling	27/06/2016		
Sampling Location	Near Loco Shed		
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.		
Date of Receipt of Sample	28/06/2016		
Period of Analysis	28/06/2016 To 30/06/2016		
Date of Reporting	04/07/2016		
Testing Protocol	NAAQS 2009		
Environmental Condition	Normal		

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	97.16	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	36.14	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	10.54	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	19.24	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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PP-24 No. Lab/3238292
09.2011

Valid for Cement



Test Report No. :EL270616GA001						5118/07/16	Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method		
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS:5182 (P-12) 2004		

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.

Lab Incharge

Authorized Signatory



Eco Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



Test Report No. :EL270616GA007	5182/04/01/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	
Work Order No. & Date	NPL/47000-878 Dt.: 01/03/2014	
Type of Sample	Ambient Air	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	27/06/2016	
Sampling Location	Near Storm Water Pump-2	
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 30/06/2016.	
Date of Reporting	04/07/2016	
Testing Protocol	NAAQS 2009	
Environmental Condition	Normal	

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	98.56	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	35.46	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	8.15	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	16.14	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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Not Valid for Consent Purpose

PPCB-R. F. No. Lab/3238892

09/09/2011



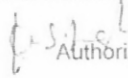
Test Report No. : EL270616GA007					5185/24/07/16	Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method	
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS-5182 (P-12) 2004	

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.


Lab Incharge


Authorized Signatory



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TEST REPORT



Test Report No. : EL270616GA004		Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	28/07/2016
Work Order No. & Date	NPL/47000-00878 Dt: 01/03/2014	
Type of Sample	Ambient Air	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	27/06/2016	
Sampling Location	Near Switch Yard	
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 30/06/2016	
Date of Reporting	04/07/2016	
Testing Protocol	NAAQS 2009	
Environmental Condition	Normal	

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	97.96	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	36.05	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	12.6	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	21.64	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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Lab No. 12/3238892

12.09.2011

5182/04/07/16



Test Report No. :EL270616GA004						Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method	
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS:5182 (P-12) 2004	

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.

Lab Incharge

Authorized Signatory



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TEST REPORT

B-11
Date: 04/07/16



Test Report No. : EL270616GA006	5/01/16 07:15	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014	
Type of Sample	Ambient Air	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	27/06/2016	
Sampling Location	On the roof top (Vill.- Dadumajra Rajpura)	
Sampling Protocol	IS: 5182 (P-14) 2000. CPCB Guidelines and Customer's Requirements.	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 30/06/2016	
Date of Reporting	04/07/2016	
Testing Protocol	NAAQS 2009	
Environmental Condition	Normal	

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	96.78	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	32.96	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	7.06	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	13.54	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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PPC: No. 115/3238892

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Test Report No. : EL270616GA006		5/24/04/07/16			Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS.5182 (P-12) 2004

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.

Lab Incharge

Authorized Signatory



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PFCB No. 100/2014
Date: 10.03.2014

TEST REPORT

Test Report No. : EL270616GA005		5/23/07/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101		
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014		
Type of Sample	Ambient Air		
Mode of Collection of Sample	Sampling by laboratory		
Date of Sampling	27/06/2016		
Sampling Location	On the roof top (Vill.Dabhali Rajpura)		
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.		
Date of Receipt of Sample	28/06/2016		
Period of Analysis	28/06/2016 To 30/06/2016		
Date of Reporting	04/07/2016		
Testing Protocol	NAAQS 2009		
Environmental Condition	Normal		

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	96.16	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	33.64	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	5.15	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	11.52	80	IS:5182 (P 6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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Ref. No. Lab/3238892
dated-30.09.2011

5183/04/07/16



Test Report No. :EL270616GA005						Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method	
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS:5182 (P-12) 2004	

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.

Lab Incharge

Authorized Signatory



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Ref. No. Lab/3238892
Date: 30.09.2011

TEST REPORT



Test Report No. :EL270616GA002	5180/04/07/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014	
Type of Sample	Ambient Air	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	27/06/2016	
Sampling Location	Near Vill. Salempur Rajpura	
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 30/06/2016	
Date of Reporting	04/07/2016	
Testing Protocol	NAAQS 2009	
Environmental Condition	Normal	

RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Particulate Matter (PM 10)	µg/m ³	95.84	100	IS:5182 (P-23) 2004
2	Particulate Matter (PM 2.5)	µg/m ³	34.64	60	Lab SOP EL-A1-PM2.5 Issue 01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	6.14	80	IS:5182 (P-2) 2001
4	Nitrogen Oxides (as NO ₂)	µg/m ³	13.14	80	IS:5182 (P-6) 2006
5	Ammonia (NH ₃)	µg/m ³	<5	400	APHA 11nd Ed. 1977 Method 801
6	Ozone (O ₃)	µg/m ³	<5	180	IS:5182 (Part-9) 1974 R2003
7	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP EL-A2-CO Issue 01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual
8	Lead (Pb)	µg/m ³	<0.04	1.0	APHA -22nd Ed. 2012 3111B
9	Arsenic (As)	ng/m ³	<1	06	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA-21st Ed. 2005-3114B
10	Nickel (Ni)	ng/m ³	<10	20	Lab SOP EL-A4-Metal Issue 01 Dated 1.6.14 based on IS:5182 (P-23) 2004 & APHA -21st Ed. 2005 3111B
11	Benzene (C ₆ H ₆)	µg/m ³	<2	05	IS:5182 (P-11) 2006

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CB-RC No. L-5/82388/32

Date: 20.09.2011

5180/01/01/16



Test Report No. :EL270616GA002					5180/01/01/16	Page No. 2/2
S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method	
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	<0.5	01	IS.5182 (P-12) 2004	

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt.Ltd.

Lab Incharge

Authorized Signatory



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TEST REPORT



Lab/3238892
2011

Test Report No. :EI 280616GA002	5187/04/07/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014	
Type of Sample	Stack Emission	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	28/06/2016	
Sampling Location	Stack attached to Boiler (Unit-1)	
Sampling Protocol	IS: 11255 (P-1) 1985 R-2003 and Customer's Requirements	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 29/06/2016	
Date of Reporting	04/07/2016	
Testing Protocol	EPA: GSR 176 (E), April 2, 1996	
Environmental Conditions	--	

Not Valid for Legal Purpose

Source of emission	Boiler (Unit-1)
Identification/Make	MHI
Capacity	2322 TPH
Type of Fuel Used	Coal
Fuel Quantity/hour	340 Ton/hr for 700 MW
APCD Details (If provided)	Electrostatic Precipitator
Stack Identification	Single
Stack Description (Shape & Material)	Circular and Metal
Dimension of Stack (m/inch))	7.5m
Sampling Port hole/Platform	Sampling done by standing on platform
Height of Stack from ground level (m)	275m
Height of Stack from nearest roof top (m)	--
Stack Temperature (°C)	125
Stack Velocity (m/s)	18.29
Sampling Time	17 min

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Test Report No. :EL280616GA002 5/16/16 Page No. 2/2


RESULTS

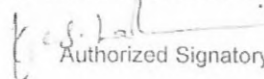
S.No.	Test Parameter	Unit	Result	Limits	Method
1	Particulate Matter (PM) at 12% CO ₂	mg/Nm ³	46.19	50	IS: 11255 (P-1) 1985
2	Sulphur Dioxide (SO ₂)	mg/Nm ³	295.14	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
3	Nitrogen Oxides (NO _x)	mg/Nm ³	188.14	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
4	Carbon Monoxide (CO)	mg/Nm ³	7.92	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
5	Mercury as (Hg)	mg/Nm ³	<0.05	--	USEPA Method-29

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.


Lab Incharge


Authorized Signatory



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Environment Due-diligence, Monitoring and Analysis Services
ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

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Lab-Ref. No. Lab/32/2016
Dated-30.09.2016

TEST REPORT

Test Report No. :EL280616GA001	5186 04/07/16	Page No. 1/2
Customer	Nabha Power Limited PO Box 28 Nr Village-Nalash Dist Patiala , Rajpura-140101	
Work Order No. & Date	NPL/47000-00878 Dt.: 01/03/2014	
Type of Sample	Stack Emission	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	28/06/2016	
Sampling Location	Stack attached to Boiler (Unit-2)	
Sampling Protocol	IS: 11255 (P-1) 1985 R-2003 and Customer's Requirements	
Date of Receipt of Sample	28/06/2016	
Period of Analysis	28/06/2016 To 29/06/2016	
Date of Reporting	04/07/2016	
Testing Protocol	EPA: GSR 176 (E), April 2, 1996	
Environmental Conditions	--	

Source of emission	Boiler (Unit-2)
Identification/Make	MHI
Capacity	2322 TPH
Type of Fuel Used	Coal
Fuel Quantity/hour	340 ton/hr for 700 MW
APCD Details (If provided)	Electrostatic Precipitators
Stack Identification	Single
Stack Description (Shape & Material)	Circular and Metal
Dimension of Stack (m/inch))	7.5m
Sampling Port hole/Platform	Sampling done by standing on platform
Height of Stack from ground level (m)	275m
Height of Stack from nearest roof top (m)	--
Stack Temperature (°C)	129
Stack Velocity (m/s)	18.11
Sampling Time	18 min

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1-30.09.2011

Test Report No. :EL 280616GA001 5155/01/07/16 Page No. 2/2

RESULTS

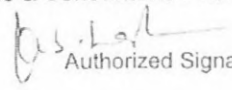
S.No.	Test Parameter	Unit	Result	Limits	Method
1	Particulate Matter (PM) at 12% CO2	mg/Nm3	40.14	50	IS: 11255 (P-1) 1985
2	Sulphur Dioxide (SO2)	mg/Nm3	312.62	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
3	Nitrogen Oxides (NOx)	mg/Nm3	190.16	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
4	Carbon Monoxide (CO)	mg/Nm3	6.54	--	Lab SOP EL-A6 -FG Issue01 Dated 1.6.14 based on Manufacturer Manual and USEPA ALT004 Method 3A and 6C
5	Mercury as (Hg)	mg/Nm3	<0.05	--	USEPA Method-29

Remarks (if any)

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.

Lab Incharge


Authorized Signatory