

HONDA

Honda Motorcycle and Scooter India Pvt. Ltd.
Plot No. SPL-2(D), 2(E), 2(F) & 2(G)
Tapukara Industrial Area, Distt. Alwar
(Rajasthan) - 301 707

Our Reference:- HMSI/ENV/16-17/11-05

Date: 23-11-2016

The Additional Principle Chief Conservator of Forest
5th Floor Kendriya Bhawan,
Sector- H, Aliganj, Lucknow (U.P.)

Kind Attn:- Deputy Director

Sub: Regarding Half yearly Compliance report of the Environmental Clearance vide letter no. J-13012/122/2010-IA.II (T) dated 21.03.2012 of HSD based back-up Power Plant (11.5 MW) and 50 MT X 2 nos. of Propane Bullet of M/s Honda Motorcycle and Scooter India Pvt. Ltd, Tapukara Plant

Dear Sir,

With reference to the above subjected matter, we are hereby submitting the point wise compliance report of the conditions stipulated in Environmental Clearance letter for the period of Apr'16-Sep'16.

Thanking You,

For Honda Motorcycle and Scooter India Pvt. Ltd



Pankaj Tandon

Senior Manager & Div. Head- Production Support (Tapukara Plant)

CC:-

1. Member Secretary RSPCB Jaipur
2. Regional Officer, CPCB Bhopal
3. Regional Officer, RSPCB Alwar

Enclosures- As above

Specific Conditions	Status
i) The Provisions prescribed in the Govt. of India, Ministry of Environment & Forests, notifications GSR 371 (E) dated May 17, 2002 and amendments; GSR 489 (E), dated July 9, 2002 (and its amendments if any) shall be strictly complied with.	Testing of the DG stack is being carried out regularly through the laboratory approved by Rajasthan State Pollution Control Board. The test report is attached as Annexure-I for your kind reference.
ii) The project proponent shall undertake rain water harvesting measures which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Ministry within six months .	Rain water harvesting structures had developed to harvest the runoff water of roof top and open area in the plant to recharge the ground water. Details had already been submitted to your esteemed office.
iii) Stack of 30 m height shall be installed and provided with continuous online monitoring equipments for SO _x , NO _x , and PM _{2.5} & PM ₁₀ .	Each DG set has been connected with adequate stack height of 30 m. Stack height- 30 m Dia- 0.45 m HMSI has kept all DG set for back up only. HMSI is using grid power supply on regular basis for its production requirement.



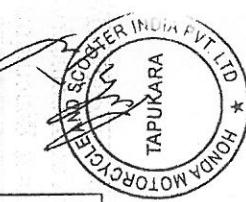
iv) Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.

There is no source of Surface water in the plant. HSMI is using ground water from its own bore wells only. Regular monitoring of the ground water is being carried out. Test reports of the same enclosed under Annexure-II for your kind reference.

Parameter	Permissible Limit	Borewell 1	Borewell 2	Borewell 3	Borewell 4	Borewell 5	Borewell 6	Borewell 7	Borewell 8	Borewell 9
pH	6.5-8.5	-	6.93	7.28	7.18	7.02	7.01	7.20	7.19	7.30
Colour	15	Hazen	Colourless							
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity	5	NTU	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness As CaCO ₃	600	mg/l	271	246	207	246	310	118	250	207
Iron as Fe	0.3	mg/l	0.033	ND	0.055	ND	ND	ND	ND	0.022
Chlorides as Cl	1000	mg/l	186	142	96.5	108	145	87	132.5	77
Residual free Cl2	1.0	mg/l	ND							
Dissolved solids	2000	mg/l	572	564	438	496	532	448	506	412
Calcium as Ca	200	mg/l	79	124	89	63	65	69	65	47
Copper	1.5	mg/l	ND	ND	0.017	ND	ND	ND	ND	ND
Manganese	0.3	mg/l	0.009	ND						
Sulphate	400	mg/l	64	48	30	45	50	26	43	21
Nitrate	45	mg/l	ND							
Total Alkalinity	600	mg/l	369	314	289	358	323	348	323	299
Fluoride	1.5	mg/l	ND	0.39						
Mercury	0.001	mg/l	ND							
Cadmium	0.003	mg/l	ND							
Arsenic	0.05	mg/l	ND							
Phenolitic	0.002	mg/l	ND							
Selenium	0.01	mg/l	ND							
Cyanide	0.05	mg/l	ND							
Lead	0.01	mg/l	ND							
Zinc	15.0	mg/l	ND							
Chromium	0.05	mg/l	ND							
Mineral oil	0.5	mg/l	ND							
Boron	1.0	mg/l	0.214	0.211	0.2	0.204	0.210	0.198	ND	0.189
Aluminum	0.2	mg/l	0.041	0.017	0.046	ND	0.009	ND	ND	0.046
E.Coli	Absent	mg/l	Absent							
Total Coli form.	Absent	mg/l	Absent							

v) Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB.

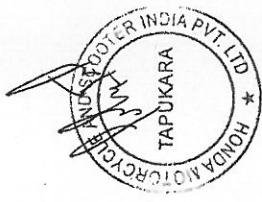
There would not be any effluent generation from the DG cooling. During propane tankers unloading, water spray arrangement made and all the water is evaporated. For domestic waste water, HSMI has already own STP, which is catering this additional



<p>load.</p> <p>vi) Well designed acoustic enclosures for the DG sets and noise emitting equipment to achieve the desirable insertion loss viz.25 dB (A) should be provided.</p>	<p>Acoustic enclosure has been provided in the DG room to achieve the desirable insertion loss viz. 25 dB (A).</p> <p>Test report is attached as Annexure-III for your kind reference.</p>																																																																
<table border="1"> <thead> <tr> <th>Testing date</th> <th>Inside the acoustic enclosure</th> <th>Outside the acoustic enclosure</th> <th>Difference</th> </tr> </thead> <tbody> <tr> <td>12.06.2016</td> <td>104.4 dB</td> <td>67.2 dB</td> <td>37.2 dB</td> </tr> </tbody> </table>	Testing date	Inside the acoustic enclosure	Outside the acoustic enclosure	Difference	12.06.2016	104.4 dB	67.2 dB	37.2 dB	<p>On site emergency preparedness plan has already been submitted to your esteemed office.</p>																																																								
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12.06.2016	104.4 dB	67.2 dB	37.2 dB																																																														
<p>vii) A detailed onsite and offsite emergency preparedness plan shall be immediately formulated and shall be submitted to the Ministry within three months.</p> <p>viii) Green Belt comprising of 33% of plant area shall be developed. The density of trees shall not less than 2500 per ha with survival rate not less than 80%.</p>	<p>Green belt development is our ongoing process. We have developed the Green Belt in 79,124 sq m area against the requirement of 78,481 sq m i.e. 33% of plant area till now. The details are given below:-</p> <table border="1"> <thead> <tr> <th>Type of Tree</th> <th>Nos.</th> <th>Plant Name</th> <th>Total Area (m²)</th> </tr> </thead> <tbody> <tr> <td data-bbox="777 1324 825 1335" style="text-align: center;">Big Tree</td> <td>1</td> <td>Terminalia Arjuna</td> <td>10425</td> </tr> <tr> <td></td> <td>2</td> <td>Alstronia</td> <td>7625</td> </tr> <tr> <td></td> <td>3</td> <td>Butverry</td> <td>25</td> </tr> <tr> <td></td> <td>4</td> <td>Callistemon (Bottlebrush)</td> <td>1525</td> </tr> <tr> <td></td> <td>5</td> <td>Chakrestia</td> <td>4700</td> </tr> <tr> <td></td> <td>6</td> <td>Neem</td> <td>275</td> </tr> <tr> <td></td> <td>7</td> <td>Pipal</td> <td>25</td> </tr> <tr> <td></td> <td>8</td> <td>Juniper</td> <td>525</td> </tr> <tr> <td></td> <td>9</td> <td>Thevetia (Kane)</td> <td>625</td> </tr> <tr> <td></td> <td>10</td> <td>Sissoo (Sisam)</td> <td>7650</td> </tr> <tr> <td></td> <td>11</td> <td>Albizia lebbeck (kalasiras)</td> <td>3100</td> </tr> <tr> <td></td> <td>12</td> <td>Polyalthia (Ashok)</td> <td>925</td> </tr> <tr> <td></td> <td>13</td> <td>Syzygium (Jamun)</td> <td>200</td> </tr> <tr> <td></td> <td>14</td> <td>Banyan Tree</td> <td>25</td> </tr> <tr> <td></td> <td>15</td> <td>Pangomia Glabtra (Badam papad)</td> <td>7500</td> </tr> </tbody> </table>	Type of Tree	Nos.	Plant Name	Total Area (m ²)	Big Tree	1	Terminalia Arjuna	10425		2	Alstronia	7625		3	Butverry	25		4	Callistemon (Bottlebrush)	1525		5	Chakrestia	4700		6	Neem	275		7	Pipal	25		8	Juniper	525		9	Thevetia (Kane)	625		10	Sissoo (Sisam)	7650		11	Albizia lebbeck (kalasiras)	3100		12	Polyalthia (Ashok)	925		13	Syzygium (Jamun)	200		14	Banyan Tree	25		15	Pangomia Glabtra (Badam papad)	7500
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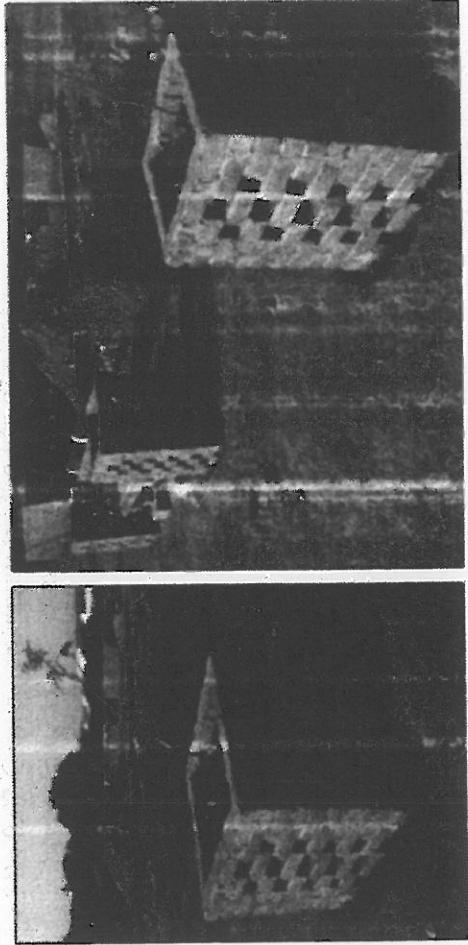
Small Tree	16	Alstronia	6000
	17	Thevetia (Kaner)	12675
	18	Azadirachta Indica (Neem)	3500
	1	Hamilla patans	1503
	2	Chandhi singhal	2529
	3	Ficus sejiamnia	2790
	4	Mimosoup elangi	225
	5	Plumeria (Champa)	2214
	6	Indopalm	162
	7	Golden direnta	432
	8	Toperi	45
	9	Ficus Panda	45
	10	Plumeria (Champa)	900
	11	Bogenellia	954
Total			79124
All CSR activities are based on local needs and implemented by the local panchayat.			
ix) CSR scheme shall be identified based on need based assessment in and around the villages.			
x) It shall be ensured that an in-built monitoring mechanism for the CSR 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. The achievements should be put on company's website.			



xi) An amount of Rs 0.08 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent subsequently a recurring expenditure of Rs 0.02 Crores per annum till the life of plant shall be earmarked as recurring expenditure. for CSR activities.

The detail of CSR activities is attached for your reference as Annexure-IV.

CSR Activities During Apr 16 - September 16



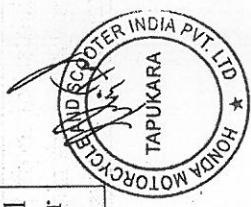
Tree Guard for protection of trees in Bureda Village

Total Expenditure occurred in the guard work = Rs. 81,000/- (approx.)

xii) 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 Noted & Being Complied. We have inbuilt monitoring mechanism for the schemes and post completion regularly have its social audit conducted from Gram Panchayat. The copy of Gram Panchayat For checking and verification of the social activities is enclosed for kind reference under Annexure-V.

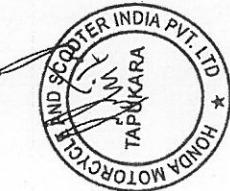
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time to time.	General Conditions	Status
	i) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall	All the wastewater generated from industrial operations has been treated in ETP, all the treated water is used within the factory premises through reuse in process. Proper arrangement has been made so that effluent and storm water do not get mixed.



be made that effluent and storm water do not do not get mixed.	
ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising green belt/plantation.	Sewage treatment plant has already been installed for treatment of domestic effluent and treated sewage is used in plantation & plant process.
iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires 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.	Adequate safety measures like fire extinguishers in the plant area and fire hydrant line have been provided in the plant.
iv) Storage facilities for auxiliary liquid fuel shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Auxiliary liquid fuel HSD is stored in the plant area. License for storage has been obtained from Department of explosives, Nagpur. Disaster Management Plan has been prepared. Sulphur content in HSD fuel is less than 0.5%. The test report of HSD analysis is attached as Annexure-VI.
v) First aid and sanitation arrangements shall be made for the drivers and other contact workers during construction phase.	First aid and sanitation arrangement are available at the site for the drivers and other contract workers.
vi) Noise levels emanating from turbines shall be controlled such that the noise in the work zone shall be limited to 75 dBA at 1 m from source. For people working in the high noise area, requisite personal protective equipment like earplug/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/less noisy areas.	75 dBA noise levels are maintained at the boundary of the plant. Acoustic enclosure is provided in the DG room. Personal protective equipment like ear plug/ear muffs have been provided to the people working in the high noise area. Audiometric examination annually carried out and corrective action is taking accordingly.

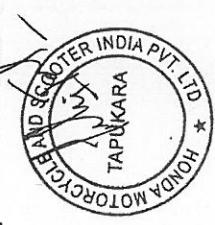
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vii) Regular monitoring of ambient air ground level concentration of SO_2 , NO_x , $\text{PM}_{2.5}$, PM_{10} and Hg shall be carried out in the impact zone and records maintained. If any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.

viii) Regular monitoring of ambient air is being carried out regularly according to prescribed standard of the board. The monitoring data is being displayed on the company website along with compliance report. Data of the ambient air is enclosed under Annexure-VII for your kind reference.

Month	Location	Parameters										
		Particulate Matter (PM10)	Particulate Matter (PM2.5)	Oxide of Nitrogen (NOx)	Sulphur Dioxide as SO_2	Carbon Monoxide (CO)	Ozone (O ₃)	Lead (Pb)	Amm. Urea (NH ₃)	Benzene (C ₆ H ₆)	Benzene (a) Pyrene (BaP)	Arse nite (As ₃)
Apr 2016	Near Main Gate	80	42.2	26.4	16.2	1062.5	25.3	ND	ND	ND	ND	ND
	Near Propane yard	83	44.0	28.0	17.0	1100.0	26.8	ND	ND	ND	ND	ND
	Near Material Gate	85	46.0	28.5	18.5	1087.5	26.0	ND	ND	ND	ND	ND
May 2016	Near Main Gate	78.0	41.0	28.2	15.5	1086.0	28.4	ND	ND	ND	ND	ND
	Near Propane yard	84.0	45.0	30.4	17.2	1138.0	29.0	ND	ND	ND	ND	ND
	Near Material Gate	80.0	42.2	26.4	16.2	1062.5	25.3	ND	ND	ND	ND	ND
Jun 2016	Near Main Gate	89.0	48.0	24.0	15.0	1113.0	23.5	ND	ND	ND	ND	ND
	Near Propane yard	87.0	46.0	28.0	17.0	1225.0	25.0	ND	ND	ND	ND	ND
	Near Material Gate	90.0	49.0	27.0	16.0	1175.0	25.0	ND	ND	ND	ND	ND
Jul 2016	Near Main Gate	83.0	44.0	24.0	15.0	1025	22.0	ND	ND	ND	ND	ND
	Near Propane yard	84.0	46.0	28.0	19.0	1075	25.4	ND	ND	ND	ND	ND
	Near Material Gate	87.0	48.0	27.0	16.0	1050	24.0	ND	ND	ND	ND	ND
Aug 2016	Near Main Gate	81.4	42.9	22.9	12.9	975	23.1	ND	ND	ND	ND	ND
	Near Propane yard	90.1	49.4	26.4	15.8	1113	25.4	ND	ND	ND	ND	ND



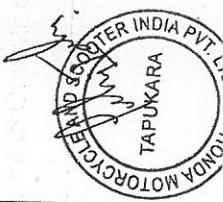
	Near Material Gate	89.7	48.2	23.3	14.7	1013	23.7	ND	ND	ND	ND	ND	ND
Sep 2016	Near Main Gate	84.0	43.2	26.3	14.8	1113	24.5	ND	ND	ND	ND	ND	ND
	Near Propane yard	85.6	46.8	30.2	19.2	1188	25.7	ND	ND	ND	ND	ND	ND
	Near Material Gate	89.8	49.4	29.6	18.3	1163	26.2	ND	ND	ND	ND	ND	ND
viii) The project proponent shall advertise in at least two local newspapers widely circulated in the region seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the state Pollution control board /Committee, and may also be seen at Website of the Ministry of Environment & Forests at http://envfor.nic.in .	Advertised in two local newspapers namely Rajasthan Patrika and Dainik Bhaskar on 23.07.2012.												
ix) A copy of the Clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, urban local body and the local NGO, if any, from whom suggestions/representations, if any received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Copy of the environmental clearance has been uploaded in our website. http://www.honda2wheelerindia.com												
x) An Environment Cell comprising of at least one expert in environmental health and science/Engineering, Occupational health and social scientist, shall be created 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 organization and he shall be held responsible for the implementation	Separate environmental management cell has already been established with qualified personal to carry out various environmental management functions under the supervision of Division Head (Production Support).												



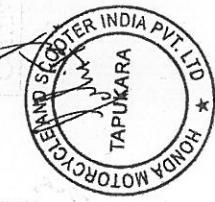
of environmental regulations and social impact improvement/mitigation measures.	
<p>xi) The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the MOEF, the respective Zonal Office of CPCB and the SPCB.</p> <p>The criteria pollutants levels namely SPM, RSPM, (PM2.5 & PM10) , SO2,NOx (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Status of compliance of EC conditions is being uploaded in company website www.honda2wheelersindia.com periodically. Compliance status is being sent to regional office, respective zonal office of the MoEF and respective zonal office of the CPCB and SPCB at regular interval. The criteria pollutant levels namely SPM, RSPM, (PM2.5 & PM10), SO2, NOx (ambient levels as well as stack emissions) is being displayed at a convenient location near the main gate of the company in the public domain.</p>
<p>xii) The Environment statement for the each financial year ending 31st March in Form -V as is mandated to the 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 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>Being complied. The Environmental Statement for financial year 2015-16 has been submitted vide letter no HMSC/ENV/2016-17/09-08 dated 28.09.2016. The report is enclosed as Annexure-VIII.</p>
<p>xiii) The Project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environmental and Forests, its Regional Office, Central Pollution Control Board and the State Pollution Control Board, The Project proponent shall upload the</p>	<p>Being complied.</p>



<p>status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by email to the Regional Office, Ministry of Environment and Forests.</p>	<p>xiv) Regional Office of the Ministry of Environment & Status will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project Proponent will upload the compliance status in their website and up- date the same from time to time at least six monthly basis. Criteria Pollutants levels including NO x (from stack & ambient air) shall be displayed at the main gate of the power plant.</p>	<p>xv) Separate funds shall be allocated for implementation of environmental protection measures along with items-wise breaks up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall be not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.</p>	<p>xvi) The project authorities shall be inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned</p>
	<p>Copy of the Environmental Impact Assessment Report and Environment Management Plan has already been submitted to your esteemed office.</p>	<p>We have adequate fund and same is utilizing for implementation of environmental protection measures. We are maintaining a dedicated separate budget for environmental management activities on yearly basis for the plant. A copy of separate budget approved for purpose of environmental management activities is attached as Annexure-IX.</p>	<p>We have received the Consent to Operate from Rajasthan State Pollution Control Board vide letter no- F(MUID)Alwar(Tijara)/1590(1)/2013-2014/7988-7990 dated 11.03.2015. A copy of the Consent to Operate is attached as Annexure-X.</p>



authorities and the date of start of land development work and commissioning of plant.	
xvii) Full cooperation shall be extended to the Scientist/Officers from the Ministry/Regional Office of the Ministry/CPCB/SPCB who would be monitoring the compliance of environmental status.	Full co-operation is being extended to all mentioned authorities during monitoring of the project.
The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.	Agreed
The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.	Agreed
Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract under the provisions of Environment (Protection) Act 1986.	Agreed
In Case of any deviation or alteration in the project proposed including coal transportation systems from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess adequacy of the condition (s) imposed and to add additional environmental protection measures, if any.	Agreed
The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act,1974, the Air (Prevention and Control of Pollution) Act, 1981 the Environment	Agreed



(Protection) Act,1986 and rules there under, Hazardous Waste (Management, Handling & Trans boundary Movement) Rules ,2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	Agreed
Any appeal against this environmental clearance shall be lie with the National Green Tribunal, If preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	

