SPEED POST

BY SPEED POST

J 13011/10/2009-IA.II(T)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Dated: December 04, 2009

To

M/s Dhariwal Infrastructure (P) Ltd.
1008, A-Wing Lokmat Bhawanl,
10th Floor, Nagpur ? 400 012

Sub: *2x300 MW Coal Based Thermal Power Plant in MIDC Industrial Area, at village Tadali, in Distt. Chandrapur, in Maharashtra ? reg. Environmental Clearance (reconsideration).*

Sir,

The undersigned is directed to refer to letters dated 18.08.2009 and 05.10.2009 on the subject mentioned above. The Ministry of Environment & Forests has examined the application.

2. It has been noted that the proposal is for setting up a 2x300 MW Coal Based Thermal Power Plant in MIDC Industrial Area, at village Tadali, in Distt. Chandrapur, in Maharashtra. Land requirement will be 480 acres. Coal requirement will be 11040 TPD and will be sourced from SECL mines. Coal linkage has been obtained from Ministry of Coal. The coordinates of the site are latitude $20^0$00?30? to 20^O 01?20? N and longitude 79^O11?50? to 79^O12?35 E?. Water requirement of 19.272 mcum per annum will be sourced from Wardha River which flows at a distance of 9.3 km from the plant site. Govt. of Maharashtra has accorded permission for water allocation from Wardha River. A Barrage is proposed to be constructed in Wardha River for uninterrupted water supply. There are no national parks, wildlife sanctuary, tiger & elephant reserves, heritage sites etc. within 10 km of the study area. MoU with M/s ACC for consumption of Fly Ash for its Chanda Cement Works is in place. As a contingency measure 65.2 acres of land is proposed for ash storage, which will be properly lined with HDPE. Abandoned mines are being identified within the District for disposal of bottom ash. Bhandak Reserve Forest is located at a distance of 7.8 kms away. Motaghat nallah flows at a distance of 6.2 km away in the east and Sarai Nallah at 5.0 km in South. Cost of the project will be Rs. 3054.00 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the following conditions:

i. No further expansion in capacity shall be permitted for this Power Plant in view of the uncertainty of water in lean season.

ii. The two radial wells shall be constructed maintaining a distance of at least 450 m between them and at least 500 m from the nearest habitations/village boundary.

iii. Water from the radial well(s) shall be utilized only for extreme necessity during lean season and

shall be kept only as standby arrangement during lean season.

iv. Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quantity and quality is observed, immediate mitigating steps to contain any adverse impact on ground water shall be undertaken.

v. A Two Bi-Flue stacks of 275 m height shall be provided with continuous online monitoring equipments for SOx, NOx and PM. Exit velocity of flue gases shall not be less than 25 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.

vi. High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm^3.

vii. Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.

viii. Utilisation of 100% Fly Ash generated shall be made from 4th year of operation of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.

ix. Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from 4th year onwards. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As,Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.

x. Ash pond shall be lined with HDP/LDP lining or any other suitable impermeable media suh that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.

xi. For disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) it shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State Pollution Control Board well in advance before undertaking the activity.

xii. Closed cycle cooling system with natural draft cooling towers shall be provided. The Effluents shall be treated as per the prescribed norms.

xiii. The treated effluents conforming to the prescribed standards only shall be discharged. Arrangements shall be made that effluents and storm water do not do not get mixed.

xiv. A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.

xv. Rainwater harvesting should be adopted. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three

months from the date of clearance and details shall be furnished.

xvi. 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.

xvii. Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS 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.

xviii. 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.

xix. Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not less than 2500 per ha with survival rate not less than 70 %.

xx. First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.

xxi. Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/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.

xxii. Regular monitoring of ground level concentration of SO_2, NOx, RSPM(PM_{10}/$PM_{2.5}$) and Hg shall be carried out in the impact zone and records maintained. If at 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.

xxiii. A good action plan for R&R (if applicable) with package for the project affected persons be submitted and implemented as per prevalent R&R policy within three months form the date of issue of this letter.

xxiv. An amount of Rs 12.0 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs 3.0 Crore 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 road map for implementation.

-4-

xxv. As part of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the

people besides 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. This will be in addition to vocational training for individuals imparted to take up self employment and jobs.

xxvi. Provision shall be made for the housing of construction labour 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 the project.

xxvii. The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within 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 and Forests at http://envfor.nic.in.

xxviii. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / 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.

xxix. A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

xxx. The proponent shall upload the status of compliance of the stipulated EC 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 MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM(PM_{10}/$PM_{2.5}$), 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.

xxxi. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e- mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.

xxxii. 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 EC conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.

xxxiii. The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of

Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the 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 e-mail to the Regional Office, Ministry of

xxxiv. Regional Office of the Ministry of Environment & Forests 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 up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.

xxxv. 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 the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

xxxvi. The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.

xxxvii. Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB/ SPCB who would be monitoring the compliance of environmental status.

5. 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.

6. The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.

7. 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 action under the provisions of Environment (Protection) Act, 1986.

8. In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

9. 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 (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

(LALIT KAPUR)

BY SPEED POST

DIRECTOR

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary (Environment), Forests and Environment Department Government of Maharashtra.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Maharashtra Pradesh State Pollution Control Board, Kalpataru Point, 3rd & 4th Floors, Sion Matunga Scheme Road No. 6, Opp. cine Planet, Sion Circle, Sion (E), Mumbai ? 400 022
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Ravishankar Nagar, Bhopal - 462016.
7. The District Collector, Chandrapur District, Govt. of Maharashtra.
8. The Director (EI), MOEF.
9. Guard file.
10. Monitoring file.

(LALIT KAPUR)
DIRECTOR

RP - Sanjiv Goenka Group
Growing Legacies

DHARIWAL INFRASTRUCTURE LIMITED

Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rp-sg.in

Ref. No.: DIL/HSE/F-09/16-17/ 60

Date: 25-05-2017

To,
The APCCF (C),
Ministry of Environment and Forest, Climate Change,
Regional Office (WCZ) Ground Floor,
East Wing, New Secretariat Building,
Civil Line,
NAGPUR – 440001 (MH)

Sub. : Half Yearly Compliance Report of the Environmental Clearance (1st October16 to 31st March 2017)

Ref.: MoEF, Govt. of India Environmental Clearance No. J-13011/10/2009-IA. II (T) dated 04-12-2009

Dear Sir,

We are operating 2 x 300 MW Thermal Power Plant at MIDC, Tadali Industrial Area, Chandrapur (M.S.) as per Environment Clearance under reference.

We are submitting herewith Half Yearly Compliance Report for the period from 1st October 2016 to 31st March 2017 in hard as well as soft copy (compact disc) in respect of the terms and conditions stipulated in Environmental Clearance.

We assure you of taking every feasible step towards preservation of environment.

Thanking you,

Yours faithfully,
For DHARIWAL **INFRASTRUCTURE LTD.**

Basab Ghose.

(Basab Ghose)
Vice President

Encl.: As above
Copy Submitted to:

1 **The Incharge ,**
Central Pollution Control Board,
Western Zonal Office, Parivesh Bhawan,
Opp. VMC Ward Office No.10,
Subhanpura Vadodara
Gujarat-390023.

2 **Member Secretary,**
Maharashtra Pollution control Board,
Kaplataru Point,4th Floor,

Matunga Road-08,Sion-(E)
Sion Circle,
Mumbai-400022

3 **The Regional Officer,**
Maharashtra Pollution Control Board
1st Floor, Udyog Bhavan
Near Bus Stand, Chandrapur-442406

4 **The Sub Regional Officer,**
Maharashtra Pollution Control Board
1st Floor, Udyog Bhavan
Near Bus Stand, Chandrapur-442406

29/5/17

प्रादेशिक कार्यालय

Environmental Compliance Report
for
the Period From
1st October 2016 to 31st March 2017

Of

M/s. DHARIWAL INFRASTRUCTURE LTD.
Plot No. C-6, C-7 & C-8,
Tadali Industrial Area,
MIDC, Village – Tadali,
Dist. - Chandrapur

Submitted to

Ministry of Environment, Forest and Climate Change
Regional Office (WCZ), Ground Floor, East Wing
New Secretariat Building
Civil Line, Nagpur – 440001 (MH)

1.0 PREAMBLE

Dhariwal Infrastructure Ltd has been granted MoEF Environmental Clearance for 2 x 300 MW Thermal Power Plant vide no. J-13011/10/2009-IA. II (T) dated 04-12-2009

Both Unit -1 & 2 (2 x 300 MW) of Thermal Power Plant are installed and commissioned in October 2013 and June 2014 respectively. The MPCB Consent to Operate is granted to both units for the period valid up to 31-12-2018.

All the environmental works including air pollution control systems, effluent treatment plant, sewage treatment plant, rain water harvesting pond, greenbelt development activities etc are completed. The present compliance status is given below.

2.0 COMPLIANCE STATUS

The conditions stipulated in MoEF Environmental Clearance are followed scrupulously. Compliance is reported hereunder for the period from 1st October 2016 to 31st March 2017 in serial order of Environmental Clearance Letter as delineated below.

Sr. No.	Conditions	Compliance
(i)	No further expansion shall be permitted for this power plant in view of the uncertainty of water in lean season.	Further expansion will not be carried out in view of the uncertainty of water in lean season.
(ii)	The two radial wells shall be constructed maintaining a distance of at least 450 m between them and at least 500 m from the nearest habitations/village boundary.	Yes, radial well is constructed away from the nearest habitation (more than 500 m)
(iii)	Water from the radial well(s) shall be utilized only for extreme necessity during lean season and shall be kept only as standby arrangement during lean season.	Water from the radial well(s) is utilized only for extreme necessity during lean season and kept only as standby arrangement during lean season.
(iv)	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quantity and quality is observed, immediate mitigating steps to contain any adverse impact on ground water shall be undertaken.	Hydro-geological status of the area is reviewed regularly. Ground water level measurement reports (October 2016 to March 2017) are enclosed herewith as **Enclosure-1.** There is no adverse impact on ground water quantity and quality is observed. Ground water quality in the study area is regularly analyzed and reports (October 2016 to March 2017) are enclosed herewith as **Enclosure -2**
(v)	Two Bi-Flue stacks of 275 m height shall be provided with continuous online monitoring equipments for SOx, NOx and PM. Exit velocity of flue gases shall not be less than 25 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.	Yes, two Bi-Flue stacks of 275 m height are provided with continuous online monitoring equipments for SOx, NOx and PM. Exit velocity of flue gases is being maintained more than 25 m/sec. Mercury in outgoing emissions from stack is also being monitored on periodic basis.
(vi)	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to	Yes, High Efficiency Electrostatic Precipitator (ESP) for unit 1& 2 are

	ensure that particulate emission does not exceed 50 mg/Nm^3.	commissioned and in operation. Both ESP's are designed to ensure that particulate emission does not exceed 50 mg/Nm^3. The analysis reports of stack emission monitoring for both units are enclosed as **Enclosure-3**
(vii)	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Yes, cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas are provided and all stipulated norms are complied.
(viii)	Utilization of 100% Fly Ash generated shall be made from 4th year of operation of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Yes, 100% Fly Ash generated is being taken by nearby cement plants for cement manufacturing.
(ix)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided 100% fly ash utilization shall be ensured from 4th year onwards, Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond No ash shall be disposed off in low lying area.	Yes, fly ash silo & handling plant for direct loading to bulkers is in operation. The condition is fully complied.
(x)	Ash pond shall be lined with HDP/LDP lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Yes, Ash pond is lined with HDP/LDP lining such that no leachate takes place at any point of time. Adequate safety measures are also implemented to protect the ash dyke from getting breached.
(xi)	For disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) it shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the Slate Pollution Control Board well In advance before undertaking the activity.	In the initial years bottom ash will not be disposed to abandoned mines.
(xii)	Closed cycle cooling system with natural draft cooling towers shall be provided. The Effluents shall be treated as per the prescribed norms.	Closed cycle cooling system with Induced draft cooling towers is provided. The effluents are treated as per the prescribed norms and for bottom ash handling & also for horticulture purpose.

(xiii)	The treated effluents conforming to the prescribed standards only shall be discharged. Arrangements shall be made that effluents and storm water do not get mixed.	The treated effluents conforming to the prescribed standards are used for green belt development. Arrangements are made such that effluents and storm water do not get mixed.
(xiv)	A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.	Sewage treatment plant is provided and the treated sewage is used for raising greenbelt/plantation.
(xv)	Rainwater harvesting should be adopted Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of clearance and details shall be furnished.	Rain water harvesting pond is developed and through natural drains, rain water is regularly collected.
(xvi)	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.	Provision of adequate safety measures in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season is made. Water sprinkler have been provided around coal stock yard and are kept in regular operation.
(xvii)	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS 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 lo storage of oil.	Facilities for storage of auxiliary liquid fuel such as LDO and HSD are provided in the plant areas are under approval of DOE. Disaster Management Plan is prepared to meet any eventuality in case of an accident may be taken place due to storage of oil.
(xviii)	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.	Network of existing wells and piezometers has been established for seasonal monitoring. It is observed that there is no adverse impact in the area. The ground water quality in the study area is also regularly analyzed for heavy metals and reports are submitted.
(xix)	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate	As on date about 92500 trees are existing. The major existing trees (42,500) are Akeshiya, Imli, Karanj, Mahaneem, Neem, Nilgiri, Peltoforam, Sisam and

	justification shall be submitted to the Ministry. Tree density shall not less than 2500 per ha with survival rate not less than 70 %.	Casia,casurina,Eucalyptus etc. The other existing trees (50,000) are Aapta, Amla, Anjeer, Areka Palm, Aerial Palm, Arjun ,Ashoka, Bargad, Badam, Banana, Boganvel, Chikku, Coconut, Flower tree, Fucus benjamina, Goldan Bambu, Green Bambu, Gulmohar, Jambhul Jaswant, Kadam, Kanher ,Kawat, Mahagani, Mango, Mogra Mosambi, Nimbu , Pipal, Rain Tree, Red Rose, Royal Palm, Ornamental Plants, Saru ,Simal, Spindal Palm, Silver oke , Swastik, Vel (Kourav & Pandava), Vidya, X-mas tree, Yellow Bell, Bakul, Papaya, Sitaphal, Bel, Shahtut ,Anar, Sevga, Amrud,Ber, Kher etc. .
(xx)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Construction phase is over. First Aid and sanitation arrangements for the drivers and other contract workers are available. Regular first aid training is given to drivers & contract workers.
(xxi)	Noise level emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dB(A). For people working in the high noise area, requisite personal protective equipment like earplugs/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 any hearing loss including shifting to non noisy/less noisy areas.	Noise level emanating from turbines is controlled such that the noise in the work zone is limited to 75 dB (A). For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. are provided. Workers engaged in noisy areas such as turbine area, air compressors etc. are periodically examined & maintaining audiometric record and any hearing loss including shifting to non noisy/less noisy areas. The ambient noise quality results for are enclosed herewith as **Enclosure-4.**
(xxii)	Regular monitoring of ground level concentration of SO_2, NOx, RSPM (PM_{10}/$PM_{2.5}$) and Hg shall be carried out in the impact zone and records maintained. If at 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 the Ministry. The data shall also be put on the website of the company.	Yes, regular ambient air quality monitoring at six locations is carried out and reports (October 2016 to March 2017) are enclosed herewith as **Enclosure -5**.Data are kept on website.

(xxiii)	A good action plan for R&R (if applicable) with package for the project affected persons be submitted and implemented as per prevalent R&R policy within three months form the date of issue of this letter.	Not Applicable.
(xxiv)	An amount of Rs. 12.0 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 3.0 Crore per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within month along with road map for implementation.	Road map is worked out for implementation of CSR activities. A partnership along with Zila Parishad, Chandrapur & UNICEF for improving water & sanitation facilities in ten Grampanchayat, Schools and Anganwadis is done and work is under progress.
(xxv)	As par of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides 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 programs. This will be in addition to vocational training for individuals imparted to take up self employment and jobs.	A need based survey is carried out by Social Action for Rural Development (SARDA) in nearby areas to assess the social and economic status of the people based on which a comprehensive document is prepared to deal with need based CSR activities. The implementation of following CSR activities is in progress. Providing sanitary toilets 765 nos. in to 9 Adjacent villages. Education programme for Blind school & dropout students in nearby villages. Agriculture programme, Vegetable promotion activities & water shed project to adjacent villages. Nirmal gram workshop,Gram sabha for sanitation program. Tree plantation with tree guards in Surrounding ten villages. Health check up plan for nearby villages done on regular basis. Skill development programme done on regular basis in surrounding villages.
(xxvi)	Provision shall be made for the housing of construction labors 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 this form of temporary structures to be removed after the completion of the project.	Yes, Construction phase is already completed and demolition of temporary structures of construction phase is under progress.
(xxvii)	The project proponent shall advertise in	Yes, it is already complied.

	at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within 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 and Forests at http://envfor.nic.in	
(xxviii)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / 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.	Yes, it is complied.
(xxix)	A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Yes, separate Environment Management Cell with qualified staff is set up for implementation & maintaining the stipulated environmental safeguards.
(xxx)	The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB The criteria pollutant levels namely; SPM, RSPM ($PM_{10}/PM_{2.5}$) SO_2 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.	Yes, it is complied. Status of compliance has been uploaded on company's website, i.e. www.dilenergy.co.in Reports are already sent to Regional office of MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM (PM10/PM 2.5) So2, and NOx (ambient levels are displayed at the main gate of the company in the public domain.
(xxxi)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Yes, six monthly reports are regularly submitted since beginning about the status of compliance of the stipulated EC conditions including results of monitored to the respective Regional office of MoEF, the respective Zonal office of CPCB and the SPCB.
(xxxii)	The environment statement for each	Yes, Environment Statement for

	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 off the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	financial /year ending 31st March 2016 is complied and submitted to MPCB. Acknowledged letter copy is enclosed herewith as **Enclosure -6.** Copy of the same has been uploaded on company's website, i.e. www.dilenergy.co.in.
(xxxiii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the 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 e-mail to the Regional Office, Ministry of Environment and Forests.	Yes, six monthly reports are regularly submitted since beginning about the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests Regional office, Central Pollution Control Board and State Pollution Control Board. Copy of the same has been uploaded on company's website, i.e. www.dilenergy.co.in.
	Regional Office of the Ministry of Environment & Forests 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 up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from slack & ambient air) shall be displayed at the main gate of the power plant.	Yes, will be complied time to time. Compliance status has been uploaded on company's website, i.e. www.dilenergy.co.in.
(xxxiv)	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 the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure	Yes, separate funds are allocated for implementation of environmental protection measures. Total Expenses from 1st Oct.16 to 31st March 2017 were 277.75 lakhs for Environment control measures.

	website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from slack & ambient air) shall be displayed at the main gate of the power plant.	
(xxxiv)	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 the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Yes, separate funds are allocated for implementation of environmental protection measures. Total Expenses from 1st Oct.16 to 31st March 2017 were 277.75 lakhs for Environment control measures.
(xxxv)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Plant is in running condition.COD for unit #1 was on dated 11 Feb. 2014 & for unit #2 was 02th Aug. 2014. Information has been given to the authorities.
(xxxvi)	Full cooperation shall be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at Bhopal/CPCB/SPCB who would be monitoring the compliance of environmental status.	Agreed.

Yours faithfully,
For DHARIWAL INFRASTRUCTURE LTD.

Basab Ghose.

(Basab Ghose)
Vice President

Encl. : As above

ENCLOSURE – 1

GROUND WATER LEVEL STATUS

November - 2016

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	Total Depth from measuring point in mtr.(depth in mbmp)	Static Water Level from Measuring Point in mtr.(level in mbmp)	Measuring Point i.e. MP distance above ground level in mtr. (magl)	Water Level below ground level (level in mbmp - magl = mbgl)
1.	**Village- Pandharkwada**	Dugwell of Shri Pandari Zitraji Wadai Farm	DIL 1	18-11-2016	2.55	9.5	6.100	0.8	5.30
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	18-11-2016	4.10	9.8	3.300	0.8	2.5
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	18-11-2016	0.16	80.0	14.04	0.1	13.94
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	18-11-2016	6.0	9.5	4.400	0.1	4.30
5.	**Village- Wandhari**	Dugwell of Shri Anandrao Vithoba Kawarashe Farm	DIL 5	18-11-2016	5.0	10.3	4.300	0.2	4.10

6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	18-11-2016	4.95	11.0	4.400	0.7	3.70
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	18-11-2016	4.50	9.0	2.600	0.6	2.00
8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	18-11-2016	3.65	12.35	2.800	0.8	2.00
9.	**Village- Morwa**	Dugwell near Jagnath Baba Mandir	DIL 9	18-11-2016	2.40	14.80	1.700	0.8	0.90
10.	**Village- Mursa**	Grampanchayat. Dugwell near Z.P. Primary School	DIL 10	18-11-2016	7.0	10.8	6.200	4.4	1.8
11.	**MIDC,Tadali**	Piezometer Well No.5 near Chimney Area	DIL 11	18-11-2016	0.1	15.0	8.20	0.2	8.00
12.	**MIDC,Tadali**	Piezometer Well No.4 behind Site Office near Cooling Tower, DIL	DIL 12	18-11-2016	0.1	15.0	9.100	0.1	9.00
13	**Village- Wadha**	Intake Well	DIL 12	18-11-2016	11.0	21.8	15.20	2.20	13.0

January – 2017

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	Total Depth from measuring point in mtr.(depth in mbmp)	Static Water Level from Measuring Point in mtr.(level in mbmp)	Measuring Point i.e. MP distance above ground level in mtr. (magl)	Water Level below ground level (level in mbmp - magl = mbgl)
1.	**Village- Pandharkwada**	Dugwell of Shri Pandari Zitraji Wadai Farm	DIL 1	24-01-2017	2.55	9.5	4.50	0.8	3.70
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	24-01-2017	4.10	9.8	3.60	0.8	2.80
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	24-01-2017	0.16	80.0	32.1	0.1	32.0
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	24-01-2017	6.0	9.5	4.80	0.1	4.70
5.	**Village- Wandhari**	Dugwell of Shri Anandrao Vithoba Kawarashe Farm	DIL 5	24-01-2017	5.0	10.3	4.50	0.2	4.3
6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	24-01-2017	4.95	11.0	6.30	0.7	5.60
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	24-01-2017	4.50	9.0	4.10	0.6	3.50
8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	24-01-2017	3.65	12.35	4.00	0.8	3.20
9.	**Village- Morwa**	Dugwell near Jagnath Baba	DIL 9	24-01-2017	2.40	14.80	2.60	0.8	1.80

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	Total Depth from measuring point in mtr.(depth in mbmp)	Static Water Level from Measuring Point in mtr.(level in mbmp)	Measuring Point i.e. MP distance above ground level in mtr. (magl)	Water Level below ground level (level in mbmp - magl = mbgl)
		Mandir							
10.	**Village- Mursa**	Grampanchayat. Dugwell near Z.P. Primary School	DIL 10	24-01-2017	7.0	10.8	4.80	0.40	4.4
11.	**MIDC,Tadali**	Piezometer Well No.5 near Chimney Area	DIL 11	24-01-2017	0.1	15.0	7.34	0.2	7.14
12.	**MIDC,Tadali**	Piezometer Well No.4 behind Site Office near Cooling Tower, DIL	DIL 12	24-01-2017	0.1	15.0	8.10	0.1	8.0
13	**Village- Wadha**	Intake Well	DIL 12	24-01-2017	11.0	21.8	18.8	16.1	2.7

ENCLOSURE -2

WATER QUALITY STATUS

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dugwell Water (Mr. Pandari Zitraji Wadai Farm, Village- Pandharkawda)	Borewell Water (Gram Panchayat Borewell near Hanuman Mandir, Village- Sonegaon)	Borewell Water (Mr. Kundlik Vishwanath Urkude Farm, Village- Sonegaon)	Dugwell Water (Mr. Ravindra Pandurang Bulki Farm, Village- Yerur)
			18-11-2016	18-11-2016	18-11-2016	18-11-2016
1.	Colour, Hazen units	5/15	<5.0	<5.0	<5.0	<5.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	6.73	6.94	7.23	7.33
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	<0.1	1.0	<0.1	0.20
6.	Total dissolved solids, mg/l	500/2000	1925.5	1326.7	448.8	592.4
7.	Boron (as B) mg/l	0.5/1.0	0.12	0.06	0.03	0.02
8.	Calcium (as Ca) ,mg/l	75/200	267.2	160.0	76.8	48.0
9.	Chloride (as Cl), mg/l	250/1000	321.3	131.1	9.85	14.8
10.	Copper (as Cu), mg/l	0.05/1.5	0.011	0.012	<0.006	0.007
11.	Fluoride (as F), mg/l	1.0/1.5	0.079	0.394	0.785	1.13
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1

13	Iron (as Fe), mg/l	0.3	<0.05	0.12	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	97.6	39.0	18.5	19.5
15	Manganese (as Mn), mg/l	0.1/0.3	0.022	0.026	<0.003	0.004
16	Nitrate (as NO_3), mg/l	45	3.20	1.80	0.60	0.78
17	Sulphate (as SO_4), mg/l	200/400	187.9	99.6	26.2	41.0
18	Total Alkalinity (as $CaCO_3$) mg/l	200/600	560.0	276.0	268.0	324.0
19	Total Hardness(as $CaCO_3$) mg/l	300/600	817.0	600.0	268.0	200.0
20	Zinc (as Zn) mg/l	5/15	2.96	1.14	0.108	0.268
21	Lead (as Pb) mg/l	0.01	0.052	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.05	0.002	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01	0.034	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.001	0.026	0.008	0.048	0.009
25.	Total Coliform Bacteria, (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
26.	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dugwell Water of Hanuman Mandir , Village- Wandhri	Dugwell Water (Near Jagnath Baba Mandir, Morwa)	Dugwell Water (Shiv Mandir , Village – Ghodpeth)	Dugwell Water (Grampanchyat Dugwell Near ZP Primary School, Village – Tadali)
			18-11-2016	18-11-2016	18-11-2016	18-11-2016
1.	Colour, Hazen units	5/15	<5.0	<5.0	<5.0	<5.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.03	7.24	7.27	7.36
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	1.60	0.20	0.25	0.2
6.	Total dissolved solids, mg/l	500/2000	1519.7	562.4	541.9	893.7
7.	Boron (as B) mg/l	0.5/1.0	0.06	0.03	0.02	0.05
8.	Calcium (as Ca) ,mg/l	75/200	136.0	64.0	80.0	92.8
9.	Chloride (as Cl), mg/l	250/1000	112.4	34.5	11.8	90.7
10.	Copper (as Cu), mg/l	0.05/1.5	0.016	0.008	0.006	0.014
11.	Fluoride (as F), mg/l	1.0/1.5	0.97	0.284	0.984	0.430
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1

13	Iron (as Fe), mg/l	0.3	0.26	0.08	<0.05	0.05
14	Magnesium (as Mg), mg/l	30/100	53.7	28.3	18.5	47.8
15	Manganese (as Mn), mg/l	0.1/0.3	0.036	0.024	0.010	0.052
16	Nitrate (as NO_3), mg/l	45	1.90	0.38	0.62	0.94
17	Sulphate (as SO_4), mg/l	200/400	108.2	42.8	98.5	102.5
18	Total Alkalinity (as $CaCO_3$) mg/l	200/600	460.0	280.0	268.0	316.0
19	Total Hardness (as $CaCO_3$) mg/l	300/600	560.0	276.0	276.0	540.0
20	Zinc (as Zn) mg/l	5/15	1.36	0.54	0.392	0.834
21	Lead (as Pb) mg/l	0.01	0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.05	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.001	0.014	0.011	0.016	0.012
25.	Total Coliform Bacteria, (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
26.	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Ground Water from Intake Well near Wadha Village
			18-11-2016
1.	Colour, Hazen units	5/15	<5.0
2.	Odour	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.90
4.	Taste	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	1.30
6.	Total dissolved solids, mg/l	500/2000	375.0
7.	Boron (as B) mg/l	0.5/1.0	0.04
8.	Calcium (as Ca) ,mg/l	75/200	49.6
9.	Chloride (as Cl), mg/l	250/1000	17.7
10.	Copper (as Cu), mg/l	0.05/1.5	0.011
11.	Fluoride (as F), mg/l	1.0/1.5	0.139
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1
13	Iron (as Fe), mg/l	0.3	0.12
14	Magnesium (as Mg), mg/l	30/100	16.6
15	Manganese (as Mn), mg/l	0.1/0.3	0.017
16	Nitrate (as NO3), mg/l	45	0.77
17	Sulphate (as SO4), mg/l	200/400	47.8
18	Total Alkalinity (as CaCO3) mg/l	200/600	156.0
19	Total Hardness (as CaCO3) mg/l	300/600	192.0
20	Zinc (as Zn) mg/l	5/15	0.214
21	Lead (as Pb) mg/l	0.01	<0.01
22	Mercury (as Hg) mg/l	0.05	<0.001
23	Total Arsenic (as As) mg/l	0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.001	0.015
25	Total Coliform Bacteria, (CFU /100 ml)	Shall not be Detectable	Not Detected
26	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Shall not be Detectable	Not Detected

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dugwell Water (Mr. Pandari Zitraji Wadai Farm, Village- Pandharkawda)	Borewell Water (Gram Panchayat Borewell near Hanuman Mandir, Village- Sonegaon)	Borewell Water (Mr. Kundlik Vishwanath Urkude Farm, Village- Sonegaon)	Dugwell Water (Mr. Ravindra Pandurang Bulki Farm, Village- Yerur)
			24-01-2017	24-01-2017	24-01-2017	24-01-2017
1.	Colour, Hazen units	5/15	<5.0	<5.0	<5.0	<5.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.16	7.56	7.21	8.25
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.34	1.12	0.36	0.51
6.	Total dissolved solids, mg/l	500/2000	1900.0	1365.5	534.4	686.4
7.	Boron (as B) mg/l	0.5/1.0	0.16	0.08	0.05	0.03
8.	Calcium (as Ca) ,mg/l	75/200	244.8	128.0	68.8	40.0
9.	Chloride (as Cl), mg/l	250/1000	397.9	156.9	13.9	17.9
10.	Copper (as Cu), mg/l	0.05/1.5	0.014	0.016	0.007	0.008
11.	Fluoride (as F), mg/l	1.0/1.5	0.274	0.593	1.06	1.39
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1

13	Iron (as Fe), mg/l	0.3	<0.05	0.07	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	111.8	44.4	28.8	22.9
15	Manganese (as Mn), mg/l	0.1/0.3	0.026	0.031	0.004	0.005
16	Nitrate (as NO_3), mg/l	45	3.40	2.8	2.10	1.60
17	Sulphate (as SO_4), mg/l	200/400	126.2	62.8	23.3	41.9
18	Total Alkalinity (as $CaCO_3$) mg/l	200/600	580.0	240.0	300.0	345.0
19	Total Hardness(as $CaCO_3$) mg/l	300/600	690.0	502.0	290.0	194.0
20	Zinc (as Zn) mg/l	5/15	3.12	1.26	0.136	0.31
21	Lead (as Pb) mg/l	0.01	0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.05	0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01	0.038	0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.001	0.043	0.012	0.053	0.012
25.	Total Coliform Bacteria, (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
26.	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dugwell Water of Hanuman Mandir , Village- Wandhri	Dugwell Water (Near Jagnath Baba Mandir, Morwa)	Dugwell Water (Shiv Mandir , Village – Ghodpeth)	Dugwell Water (Grampanchyat Dugwell Near ZP Primary School, Village – Tadali)
			24-01-2017	24-01-2017	24-01-2017	24-01-2017
1.	Colour, Hazen units	5/15	<5.0	<5.0	<5.0	<5.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	6.98	7.39	7.36	7.47
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.73	0.86	0.32	0.60
6.	Total dissolved solids, mg/l	500/2000	1754.1	559.4	697.9	1363.3
7.	Boron (as B) mg/l	0.5/1.0	0.07	0.04	0.03	0.05
8.	Calcium (as Ca) ,mg/l	75/200	116.0	48.8	74.4	187.2
9.	Chloride (as Cl), mg/l	250/1000	152.9	29.9	18.9	152.9
10.	Copper (as Cu), mg/l	0.05/1.5	0.022	0.01	0.006	0.018
11.	Fluoride (as F), mg/l	1.0/1.5	1.19	0.638	1.19	0.719
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	< 0.1	<0.1	<0.1

13	Iron (as Fe), mg/l	0.3	<0.05	0.11	<0.05	0.08
14	Magnesium (as Mg), mg/l	30/100	65.4	28.8	27.8	31.2
15	Manganese (as Mn), mg/l	0.1/0.3	0.038	0.028	0.014	0.056
16	Nitrate (as NO_3), mg/l	45	2.80	0.50	1.60	1.80
17	Sulphate (as SO_4), mg/l	200/400	84.4	25.5	76.4	66.8
18	Total Alkalinity (as $CaCO_3$) mg/l	200/600	465.0	270.0	285.0	370.0
19	Total Hardness (as $CaCO_3$) mg/l	300/600	558.0	240.0	300.0	596.0
20	Zinc (as Zn) mg/l	5/15	1.48	0.63	0.381	0.863
21	Lead (as Pb) mg/l	0.01	0.01	<0.01	<0.01	0.01
22	Mercury (as Hg) mg/l	0.05	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01	0.02	<0.01	<0.01	0.016
24	Total Chromium (as Cr) mg/l	0.001	0.022	0.016	0.018	0.028
25.	Total Coliform Bacteria, (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
26.	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Ground Water from Intake Well near Wadha Village
			24-01-2017
1.	Colour, Hazen units	5/15	<5.0
2.	Odour	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.74
4.	Taste	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	1.47
6.	Total dissolved solids, mg/l	500/2000	416.7
7.	Boron (as B) mg/l	0.5/1.0	0.04
8.	Calcium (as Ca) ,mg/l	75/200	40.0
9.	Chloride (as Cl), mg/l	250/1000	27.9
10.	Copper (as Cu), mg/l	0.05/1.5	0.014
11.	Fluoride (as F), mg/l	1.0/1.5	0.351
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1
13	Iron (as Fe), mg/l	0.3	0.12
14	Magnesium (as Mg), mg/l	30/100	22.5
15	Manganese (as Mn), mg/l	0.1/0.3	0.022
16	Nitrate (as NO3), mg/l	45	0.20
17	Sulphate (as SO4), mg/l	200/400	40.8
18	Total Alkalinity (as CaCO3) mg/l	200/600	160.0
19	Total Hardness (as CaCO3) mg/l	300/600	192.0
20	Zinc (as Zn) mg/l	5/15	0.273
21	Lead (as Pb) mg/l	0.01	<0.01
22	Mercury (as Hg) mg/l	0.05	<0.001
23	Total Arsenic (as As) mg/l	0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.001	0.018
25	Total Coliform Bacteria, (CFU /100 ml)	Shall not be Detectable	Not Detected
26	Thermotolerant Coliform Bacteria/E. Coli (CFU /100 ml)	Shall not be Detectable	Not Detected

ENCLOSURE - 3

STACK EMISSION QUALITY STATUS

Sr. No.	Parameters	Concentration					
		October - 2016	November-2016		December-2016		January-2017
		TPP Unit II	TPP Unit II (Shift -1)	TPP Unit II (Shift -2)	TPP Unit II	TPP Unit II	TPP Unit II
1.	Total Particulate Matter, mg/Nm^3	11.3	10.5	14.6	11.6	10.8	21.31
2.	Sulphur Dioxide as SO_2, mg/Nm^3	1039.9	987.3	976.1	867.9	840.6	1845.0
3.	Sulphur Dioxide as SO2, Kg/Hr	683.8	643.2	689.1	579.2	594.7	1254.0
4.	Oxides of Nitrogen as NO_2, mg/Nm^3	346.0	318.0	286.0	340.0	321.5	274.1
5.	Oxides of Nitrogen as NO_2, ppm	183.9	17.8	155.4	184.7	174.7	145.6
6	Mercury as Hg, mg/Nm^3	0.018	0.022	0.022	0.026	0.018	0.022

Sr. No.	Parameters	Concentration					
		February-2017					March -2017
		D.G. Set No.1 1500 KVA (Left Bank)	**D.G. Set No.2 1500 KVA** (Left Bank)	**D.G. Set No.1 1500 KVA** Right Bank	**D.G. Set No.2 1500 KVA** (Right Bank)	**TPP Unit- II**	**TPP Unit II**
1.	Total Particulate Matter, mg/Nm^3	33.4	30.9	43.8	27.1	15.5	16.2
2.	Sulphur Oxides as SO_2, mg/ Nm^3	79.2	64.7	73.6	94.4	1780.1	1656.3
3.	Sulphur Oxides as SO2, Kg/Hr	0.17	0.14	0.16	0.20	1289.1	940.1
4.	Oxides of Nitrogen as NO_2, mg/Nm^3	104.9	103.7	107.5	86.3	174.3	193.5
5.	Oxides of Nitrogen as NO_2, ppm	55.8	55.2	57.2	45.8	92.6	102.8
6	Mercury as Hg, mg/Nm^3	0.028	--	0.024	0.018	0.028	0.026

ENCLOSURE – 4

AMBIENT NOISE QUALITY STATUS

Location			VIP Gate(Near AAOMS Cabin - 01)		ETP (near AAQMS Cabin -02 & RWH Pond)		Old Switch Yard (Near AAQMS Cabin-03)	
Parameters	**Month**	**Reading**	**During Day Time**	**During Night Time**	**During Day Time**	**During Night Time**	**During Day Time**	**During Night Time**
Noise Level in dB (A)	**October-2016**	Leq	54.5	48.2	52.1	45.7	55.3	47.4
	Novembar-2016	Leq	61.1	55.1	59.4	53.9	61.5	53.9
	December-2016	Leq	63.1	52.1	58.1	48.2	61.1	42.7
	January-2017	Leq	63.1	54.3	55.9	50.8	57.1	53.1
	February-2017	Leq	63.5	45.3	57.2	43.3	61.8	44.8
	March- 2017	Leq	58.9	50.4	54.8	45.8	57.2	47.6
Norms		**Industrial Area**	**75**	**70**	**75**	**70**	**75**	**70**

ENCLOSURE – 5

AMBIENT AIR QUALITY STATUS

1.0 Location: - VIP Gate (near AAQMS Cabin-01)

Sr. No.	Parameters	Norms	Concentration					
			October - 2016	November - 2016	December - 2016	January-2017	February-2017	March-2017
1.	Sulphur Dioxide (SO_2) µg/m^3	80	3.13	10.3	6.18	27.9	10.7	26.3
2.	Nitrogen Dioxide (NO_2) µg/m^3	80	11.8	10.0	14.1	13.8	17.5	15.3
3.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	53.4	55.1	43.4	56.2	55.3	52.6
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	20.7	23.9	19.7	25.9	24.3	22.9
5.	Ozone (O_3) (µg/m^3)	100	0.37	0.68	0.62	0.46	2.00	5.65
6.	Lead (Pb) (µg/m^3)	0.5	0.18	0.22	0.12	0.15	0.17	0.19
7.	Carbon Monoxide (CO) (mg/m^3)	2	< 1.1	0.38	0.26	0.27	0.46	0.45
8.	Ammonia (NH_3) (µg/m^3)	100	4.92	18.1	2.39	7.54	5.70	5.07
9.	Benzene (C_6H_6) (µg/m^3)	5	0.73	0.28	1.14	1.34	1.74	1.83
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.8	<0.5	0.51	0.53	0.68	0.73
11.	Arsenic (As) (ng/m^3)	6	5.20	2.70	1.73	3.18	3.32	3.63
12.	Nickel (Ni) (ng/m^3)	20	14.5	8.20	8.21	10.1	7.83	10.4

2.0 Location: - ETP (Near AAQMS Cabin-02 & RWH Pond)

Sr. No	Parameters	Norms	Concentration					
			October-2016	Novebmer-2016	December-2016	January – 2017	February-2017	March-2017
1.	Sulphur Dioxide (SO_2) µg/m^3	80	17.4	14.7	17.9	18.5	9.58	4.56
2.	Nitrogen Dioxide (NO_2) µg/m^3	80	18.9	15.5	14.6	16.5	19.3	13.2
3.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	49.0	54.8	58.9	55.6	56.8	59.6
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	19.7	22.8	26.5	25.6	23.9	29.1
5.	Ozone (O_3) (µg/m^3)	100	0.55	0.74	0.57	0.73	2.20	4.31
6.	Lead (Pb) (µg/m^3)	0.5	0.16	0.18	0.21	0.16	0.18	0.22
7.	Carbon Monoxide (CO) (mg/m^3)	2	0.48	0.47	0.36	0.28	0.43	0.38
8.	Ammonia (NH_3) (µg/m^3)	100	2.60	14.9	5.17	10.6	6.40	5.65
9.	Benzene (C_6H_6) (µg/m^3)	5	0.57	0.30	1.58	1.46	1.74	1.84
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.36	0.52	0.58	0.53	0.64	0.67
11.	Arsenic (As) (ng/m^3)	6	3.20	3.70	3.20	2.93	2.86	3.42
12.	Nickel (Ni) (ng/m^3)	20	6.70	9.20	12.4	8.27	7.72	9.61

3.0 Location: - Old Switch Yard (Near AAQMS Cabin-03)

Sr. No.	Parameters	Norms	Concentration					
			October - 2016	November- 2016	December - 2016	January- 2017	February- 2017	March- 2017
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	8.37	13.7	14.5	6.37	12.5	18.3
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	14.9	16.7	17.0	9.04	12.9	24.2
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	40.4	48.0	52.2	58.8	54.6	44.9
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)$\mu g/m^3$	60	16.6	21.4	22.6	25.7	22.2	18.1
5.	Ozone (O_3) ($\mu g/m^3$)	100	0.44	0.53	0.67	0.51	3.09	3.31
6.	Lead (Pb) ($\mu g/m^3$)	0.5	0.22	0.20	0.24	0.22	0.20	0.13
7.	Carbon Monoxide (CO) (mg/m^3)	2	1.1	0.33	0.39	0.32	0.48	0.39
8.	Ammonia (NH_3) ($\mu g/m^3$)	100	19.3	12.4	3.66	8.56	6.60	6.23
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	0.88	0.24	1.36	1.54	1.82	1.74
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.46	0.5	0.54	0.64	0.66	0.63
11.	Arsenic (As) (ng/m^3)	6	4.50	2.20	2.81	3.16	3.13	3.26
12.	Nickel (Ni) (ng/m^3)	20	10.6	6.80	10.7	9.30	8.34	8.45

4.0 Location: - Mr. Maroti Shankar Roge house Village-Sonegaon

Sr. No.	Parameters	Norms	Concentration					
			October - 2016	November-2016	December-2016	January-2017	February-2017	March-2017
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	4.22	6.64	5.43	9.71	14.5	13.1
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	13.0	9.91	7.88	12.1	23.7	26.3
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	51.6	42.9	32.2	52.8	50.2	55.9
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)$\mu g/m^3$	60	22.3	17.8	13.8	29.0	21.9	24.0
5.	Ozone (O_3) ($\mu g/m^3$)	100	0.33	0.59	0.73	0.84	2.20	3.61
6.	Lead (Pb) ($\mu g/m^3$)	0.5	0.21	0.14	0.14	0.20	0.18	0.22
7.	Carbon Monoxide (CO) (mg/m^3)	2	1.1	0.18	0.26	0.24	0.52	0.36
8.	Ammonia (NH_3) ($\mu g/m^3$)	100	1.33	12.9	0.82	11.3	5.65	3.52
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	0.66	1.60	1.0	1.26	2.12	2.36
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.55	0.57	0.5	0.5	0.69	0.67
11.	Arsenic (As) (ng/m^3)	6	3.0	3.20	2.53	2.62	3.87	2.94
12.	Nickel (Ni) (ng/m^3)	20	6.50	4.60	5.37	7.40	10.3	8.76

5.0 Location: - Terrace of Shri Bapurao Pimpalkar House, Village - Wandhri

Sr. No.	Parameters	Norms	Concentration					
			October-2016	November-2016	December-2016	January-2017	February-2017	March - 2017
1.	Sulphur Dioxide (SO_2) µg/m^3	80	18.9	6.30	6.27	10.9	16.9	14.1
2.	Nitrogen Dioxide (NO_2) µg/m^3	80	20.1	12.8	12.4	9.09	17.4	22.2
3.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	58.9	52.7	48.7	36.3	43.8	51.9
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	21.2	22.5	18.7	17.4	13.2	23.1
5.	Ozone (O_3) (µg/m^3)	100	0.29	0.63	3.32	0.13	1.30	4.68
6.	Lead (Pb) (µg/m^3)	0.5	0.40	0.16	0.22	0.15	0.12	0.10
7.	Carbon Monoxide (CO) (mg/m^3)	2	1.1	0.34	0.35	0.18	0.36	0.22
8.	Ammonia (NH_3) (µg/m^3)	100	8.12	6.29	1.54	3.72	3.84	3.35
9.	Benzene (C_6H_6) (µg/m^3)	5	4.8	0.16	1.24	1.16	1.16	1.18
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.9	<0.5	<0.5	<0.5	0.57	0.53
11.	Arsenic (As) (ng/m^3)	6	4.70	2.20	2.59	2.48	2.81	2.89
12.	Nickel (Ni) (ng/m^3)	20	12.4	6.60	6.20	6.35	6.18	6.32

6.0 Location: - Terrace of Gram Panchayat, Village- Yerur

Sr. No.	Parameters	Norms	Concentration					
			October - 2016	November- 2016	December - 2016	January- 2017	February- 2017	March - 2017
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	6.95	3.23	7.86	9.60	8.55	13.9
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	21.3	13.2	10.8	26.7	13.8	26.8
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	56.2	40.3	59.3	51.6	59.6	57.3
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)$\mu g/m^3$	60	22.5	16.4	27.0	25.1	27.6	29.7
5.	Ozone (O_3) ($\mu g/m^3$)	100	0.58	0.58	0.83	0.77	2.40	3.27
6.	Lead (Pb) ($\mu g/m^3$)	0.5	0.34	0.09	0.26	0.21	0.14	0.15
7.	Carbon Monoxide (CO) (mg/m^3)	2	< 1.1	0.14	0.38	0.22	0.53	0.34
8.	Ammonia (NH_3) ($\mu g/m^3$)	100	11.7	5.59	2.84	7.56	5.54	3.44
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	0.70	1.10	1.36	1.44	1.90	1.96
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	0.44	<0.5	0.54	0.58	0.64	0.67
11.	Arsenic (As) (ng/m^3)	6	3.20	2.53	2.79	3.10	3.16	3.26
12.	Nickel (Ni) (ng/m^3)	20	10.4	3.84	8.31	7.37	9.13	9.48

Annexure- 6.

RP - Sanjiv Goenka Group
Growing Legacies

DHARIWAL INFRASTRUCTURE LIMITED
Dhariwal Infrastructure Limited
CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rp-sg.in

Ref: DIL/HSE/MPCB/16-17/8B/17

Dated: 30.09.16

To

The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd Floor,
Sion, Matunga Road no-8,
Sion, East, Mumbai-400022.

Sub: Submission of Annual Environment statement for the financial year 2015-2016.

Dear Sir,

We have submitted the online Annual Environment statement for the financial year 2015-16 on MPCB web portal, the copy of the same is attached herewith for your ready reference.

We hope you will find the same in order.

Thanking you

Yours Faithfully,

For Dhariwal Infrastructure Limited.

D. P. Tripathi
(Manager-HSE)

CC:
1) Regional officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog bhawan, Near Bus Stand,
Chandrapur
2) Sub. Regional officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog bhawan, Near Bus Stand,
Chandrapur.

30/9/16

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2016

Company Information

Company Name Dnar wal Infrastructure Limited	**Application UAN number** VPCB-CONSENT 0000009208	
Address Dnar wal Infrastructure Limited		
Plot no C 6, C 7 & C 8	**Taluka** Tadal Industrial area MIDC	**Village** Tadal
Capital Investment (In lakhs) 393811	**Scale** LSI	**City** Chandrapur
Pincode 442406	**Person Name** Devendra Tripathi	**Designation** Manager-HSE
Telephone Number 9561112004	**Fax Number** 07172237992	**Email** devendra.tripathi@rp.sg.in
Region SRO-Chandrapur	**Industry Category** Red	**Industry Type** R81 Thermal Power Plants
Last Environmental statement submitted online yes	**Consent Number** BO/EIC no. CH-1764-15/CAC CELL/CAC-13310	**Consent Issue Date** 19.10.2015
Consent Valid Upto 31.08.2016		

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Electricity generation	5256000	369154	Mwh

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
0	0	0	

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	5280	219
Cooling	49440	8522
Domestic	40	35
All others	0	0
Total	54760	8776

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	7776	134	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Power Generation	3.3	2.6	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Coal	0.689	0.6643	
LDO	0.00000288	0.000001206	
Hydrochloric Acid	0.000206	0.0001143	
Caustic Lye	0.000088	0.00005086	
Sulphuric Acid	0.00036	0.00034	
Sodium hypochlorite	0.000179	0.000242	
Alum	0.000069	0.0000642	
Lime	0.000003	0.000023	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	4029600	245235	MT/A
LDO	4066	445	KL/A

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

(A) Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SS	3	22.55	0	100	0
OIL & GREASE	0.01	0.11	0	10	0
BOD	1.11	8.33	0	30	0
COD	14	107	0	250	0
TDS	188	1406	0	2100	0

(B) Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
PM	465	25.37	0	50	0

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	1.2	4.2	MT/A
34.2 Toxic metal-containing residue from water purification	3.2	0	MT/A
	0	0	Nos./A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
34.4 Chemical sludge, oil and grease skimming residue	0	0	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	85475	72385	MT/A
BOTTOM ASH	15963	10310	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BIOLOGICAL SLUDGE	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used /spent oil	4.2	MT/A	Well below the norms
34.2 Toxic metal-containing residue from water purificatio	0	MT/A	0
34.4 Chemical sludge, oil and grease skimming residue	0	MT/A	0
33.3 Discarded containers / barrels / liner	0	Nos /Y	0

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	72385	MT/A	NA
BOTTOM ASH	10310	MT/A	NA

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
After commissioning, plant run for very short duration	0	0	0	0	0	0

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution

(A) Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment

Expenditure made on Air pollution, water pollution and land pollution control measures, Greenery development and other Environment protection measures	Expenditure made on Air pollution, water pollution and land pollution control measures, Greenery development and other Environment protection measures	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Expenditure proposed on Air pollution, water pollution and land pollution control measures, Greenery development and other Environment protection measures	Expenditure proposed for on Air pollution, water pollution and land pollution control measures, Greenery development and other Environment protection measures as recurring is 206 lacs	111.50 lacs

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

Factory has already implemented all the necessary pollution control measures. Green belt development programme is a regular features.

Name & Designation

DEVENDRA PRASAD TRIPATHI, MANAGER HSE

EARTHCARE LABS PRIVATE LIMITED

Environmental Laboratory & EIA Consultant Organization

(MOEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001 Certified)

Head Office : C-11, Amar Exclusive Commercial Wing, Jog Layout, Prashant Nagar, Near Ajni Square, Nagpur – 440 015. Tel & Fax : (0712) 2251470, Mobile : 9766615662
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No. EPL/Feb-16/S-55

Certificate of Analysis

Stack Emissions

Name of the Company	M/s. DHARIWAL INFRASTRUCTURE LTD. Plot No. C - 6, 7 & 8, Tadali Industrial Area, MIDC, Village – Tadali, Dist. Chandrapur
Date of Monitoring	26-02-2016
Stack Attached to	CPP Unit II
Stack Height	275.0 mtr
Stack Diameter at Top	5.0 mtr
Stack Diameter at Port	5.0 mtr
Temperature of Flue Gas	128°C
Velocity of Flue Gas	15.1 m/sec
Volume of Flue Gas	771441.9 Nm³/Hr

Results of Analysis

Sr. No.	Parameters	Norm	Concentration	Method
1.	Total Particulate Matter mg/Nm³	50	39.5	IS 11255 (Part 1):1985 RA 2009
2.	Sulphur Dioxide as SO_2 mg/ Nm³		1725.9	IS 11255 (Part 2):1985 RA 2009
3.	Sulphur Dioxide as SO_2 Kg/Hr		1331.4	IS 11255 (Part 2):1985 RA 2009
4.	Oxides of Nitrogen as NO_2 mg/Nm³		961.0	IS 11255 (Part 7):2005 RA 2012
5.	Oxides of Nitrogen as NO_2 ppm		510.8	IS 11255 (Part 7):2005

For Earthcare Labs Private Limited

EARTHCARE LABS PRIVATE LIMITED

Environmental Laboratory & EIA Consultant Organization
(MOEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001 Certified

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No. ELPL/[illegible]r.-16/EL-29

Certificate of Analysis
Effluent Quality

Name of the Company	M/s. BILARIWAL INFRASTRUCTURE LTD. Plot No. C- 6, 7 & 8, Tadali Industrial Area, MIDC, Village - Tadali, Dist. Chandrapur
Sample Collected on	28.03.2016
Sample Received on	28.03.2016
Sample Analysis Period	29.03.2016 to 02.04.2016

Results of Analysis

Sr. No.	Parameters	Norms	Concentration	Method
			DM Plant Effluent From N Pit	
1.	pH	5.5 to 9.0	8.33	IS 3025 (Part 11):1983 RA 2006
2.	Total Suspended Solids, mg/l	100.0	14.0	IS 3025 (Part 18):1984 RA 2009
3.	Oil & Grease, mg/l	10.0	< 0.2	IS 3025 (Part 39):1991 RA 2009
4.	Biochemical Oxygen Demand (3 days /27°C), mg/l	30.0	3.00	IS 3025 (Part 44):1993 RA 2009
5.	Chemical Oxygen Demand, mg/l	250.0	48.0	IS 3025 (Part 58):2006 RA 2017
6.	Total Dissolved Solids, mg/l	2100.0	412.0	IS 3025 (Part 16):1984 RA 2009

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