RP-Sanjiv Goenka Group
Growing Legacies

DHARIWAL INFRASTRUCTURE LIMITED

Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rpsg.in

Ref. No.: DIL/HSE/F-09/20-21/77 Date: 28/11/2020

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 April 2020 to 30th September 2020).

Ref. : 1. MoEF, Govt. of India Environmental Clearance No. J-13011/10/2009-IA. II (T) dated 04-12-2009.
2. MoEF Notification dated: 26.11.2018.

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.

With reference to the MoEF Notification dtd: 26.11.2018, we are enclosing herewith Half Yearly Compliance Report for the period from 1st April 2020 to 30th September 2020 by e-mail (soft copy only) in respect of the terms and conditions stipulated in Environmental Clearance. We assure you of taking every feasible step towards preservation of environment.

We hope you will find the same in order. In case if find any difficulty with any file, kindly inform us.

Thanking you.

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

Authorized Signatory
Encl.: As above
CC:

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

2. **The Member Secretary**, (Hard Copy)
Maharashtra Pollution Control Board,
Kalpataru Point, 4th Floor,
Matunga Road-08, Sion-(E),
Sion Circle,
Mumbai-400022.

3. **The Regional Officer**, (Hard Copy)
Maharashtra Pollution Control Board,
1st Floor, Udyog Bhavan,
Near Bus Stand, Chandrapur-442401.

Regd. Office : CESC Limited, CESC House, Chowringhee Square, Kolkata - 700 001, India. Tel: +91 33 2225 6040 Fax: +91 33 2225 6003
Site Office: C-6 Tadali Growth Center, M.I.D.C Tadali, District: Chandrapur, Maharashtra 442406.
(A Subsidiary of CESC Limited)

Environmental Compliance Report
for
the Period From
1st April 2020 to 30th September 2020

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 February 2014 and August 2014 respectively. The MPCB Consent to Operate is granted to both units for the period valid up to 31-12-2020.

All the environmental Protection & Conservation 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 here under for the period from 1st April 2020 to 30th September 2020 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.	Noted.
(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 (April 2020 to September 2020) are enclosed herewith as **Enclosure-1.** Ground water quality in the study area is regularly analyzed and reports (April 2020 to September 2020) are enclosed herewith as **Enclosure -2.** This area is Talcher Clayee area. This clayee area is rich in many salts. Due to salty nature of this clayee area when water passes through these layers the salts dissolves in it. Due to this type of deposits and nature, the ground water becomes salty. This is a natural process in this area and we don't have any control over it. We would like to inform you that we are

		not using any ground water for any industrial activity. We are taking only surface water and the source is Wardha river. Apart from that we are not discharging any waste water, as we are Zero liquid discharge plant. We treat 100% waste water in ETP and STP and reutilizing the same for **CHP dust suppression, Bed Ash quenching, Bottom Ash conveying**. In this way we don't impact the ground water & level in anyway. The location of villages is also approximately 5-10 KM away from the plant. In this way we are not affecting the ground water in any way and **we don't have any control over it.**
(v)	Two Bi-Flue stacks of 275 m height shall be provided with continuous online monitoring equipment 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, one Bi-Flue stacks of 275 m height is provided with continuous online monitoring equipment for SOx, NOx and PM. We have 2X300 MW TPP having two boiler, which needs two flue pipes with in a single stack instead of two stacks. Mercury in outgoing emissions from stack is also being 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.	Yes, High Efficiency Electrostatic Precipitator (ESP) for unit 1 & 2 are 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. Besides we have Concreted about 4.3 KM roads inside plant premises and further construction of concrete roads in phased manner is under progress. Details & Drawing of water sprinklers provided in CHP area are enclosed as **Enclosure-18.**
(viii)	Utilization of 100% Fly Ash generated shall be made from 4th year of operation	Yes, 100% Fly Ash generated is being taken by nearby cement plants and Brick

	of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Manufacturers for cement and Bricks manufacturing. Annual Ash Generation & Utilization report for the period from 1st April 2019 to 31st March 2020 submitted at your office is attached herewith as **Enclosure-9.**
(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 We are monitoring heavy metals in the Bottom ash periodically. It may be noted that we are using coal from SECL and WCL mines similar to other plants in this region. Please refer **Enclosure-4.**
(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. Photographs are attached as **Enclosure-10**
(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.	All appropriate precaution taken before Bottom Ash disposal in abandoned mines and permission has been taken from State Pollution Control Board for the same. Apart from that we also have agreement with 10 Brick manufacturers and giving to them.
(xii)	As par revised EC dated 09/09/2010 closed cycle cooling tower with Induced 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 is utilized for CHP dust suppression, Bed Ash quenching, Ash Slurry water make-up purpose. Please Refer **Enclosure-4.**
(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 utilized for CHP dust suppression, Bed Ash quenching, Ash Slurry water make-up purpose. Arrangements are made such that effluents and storm water do not get mixed. Please refer **Enclosure-4**
(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. We have permission from Central Ground Water Board for implementation of rain water harvesting. Permission Letter from Central Ground Water Board for implementation of Rain water harvesting system is attached as **Enclosure-11.**
(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 to 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. We have permission from Department of Explosives. Copy of necessary permission obtained from Department of Explosives is attached as **Enclosure-12.** 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.	Regular monitoring of ground water level is done in and surrounding areas. We regularly monitor Ground water level and Quality inside industry premises and nearby ash pond area periodically. Reports are attached herewith as **Enclosure-1&2** for your ready reference. The ground water quality in the study area is also regularly analyzed for heavy metals and reports are submitted. This area is Talcher Clayee area. This clayee area is rich in many salts. Due to salty nature of this clayee area when water passes through these layers the salts dissolves in it. Due to this type of deposits and nature, the ground water becomes salty. This is a natural process in this area and we don't have any control over it.

		We would like to inform you that we are not using any ground water for any industrial activity. We are taking only surface water and the source is Wardha river. Apart from that we are not discharging any waste water, as we are Zero liquid discharge plant. We treat 100% waste water in ETP and STP and reutilizing the same for CHP dust suppression, Bed Ash quenching, Bottom Ash conveying. In this way we don't impact the ground water & level in anyway. The location of villages is also approximately 5-10 KM away from the plant. In this way we are not affecting the ground water in any way and we don't have any control over it.
(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 %.	As on date about 1,42,500 trees have been planted. The major existing trees are Akeshiya, Imli, Karanj, Mahaneem, Neem, Nilgiri, Peltoforam, Sisam and Casia.casurina.Eucalyptus etc. The other existing trees 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. (**Photo graphs attached**). Further Green belt enhancement is under progress, it is an ongoing process and it is being complied with the extent possible. Tree density is being complied.
(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 for all. Regular first aid training is given to DIL staff & contract

		workers including drivers.
(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.	We are regularly monitoring work place noise level at 25 locations including turbine, air compressors on quarterly basis. Norms for Work zone Noise level is 85 dB(A) and for AAQ noise level, it is 75 dB(A). The results are well within the limit. Noise level emanating from turbines is controlled such that the noise in the work zone is well within limit. 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 work zone noise quality results are enclosed herewith as **Enclosure-5A&5B.**
(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 (April 2020 to September 2020) are enclosed herewith as **Enclosure -6.**
(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	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 further work is

	with road map for implementation.	under progress. The implementation of following CSR activities undertaken in the aforesaid period. 1.Training on Health & Sanitation in nearby nine no. of villages. Supply of Sanitary amenities to the locals. 2.Swachh Bharat Abhiyan in Nine villages. Construction of toilets and hand wash facilities. 3.Water drinking facility in Pandharkwada and Wadha villages 4.Training to Adolescent girls. 5.Training to villagers of nine villages for Digital villages. 6.Agriculture Projects in nearby villages. 7.Educational Programs in nearby villages. 8.Training to six nos. of SHG (Self Help Groups) for self employment. Being a stressed utility with only one unit (Unit 2) in operation since Dec 2015, our resources are limited. However as both units go on full stream, we will carry out CSR activities with necessary resource as dictated by prevailing act and regulations. Details of CSR activities are attached as **Enclosure-7.**
(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 had been 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 undertaken in the aforesaid period. 1.Training on Health & Sanitation in nearby nine no. of villages. Supply of Sanitary amenities to the locals. 2.Swachh Bharat Abhiyan in Nine villages. Construction of toilets and hand wash facilities. 4.Water drinking facility in Pandharkwada and Wadha villages

		4.Training to Adolescent girls 5.Training to villagers of nine villages for Digital villages. 6.Agriculture Projects in nearby villages. 7.Educational Programs in nearby villages. 8.Training to six nos. of SHG(Self Help Groups) for self employment. Being a stressed utility with only one unit (Unit 2) in operation since Dec 2015, our resources are limited. However as both units go on full stream, we will carry out CSR activities with necessary resource as dictated by prevailing act and regulations. Details of CSR activities are attached as **Enclosure-7.**
(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 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.	Yes, it is already complied. Copy of the same is attached as **Enclosure-13.** Advertisement made in local news paper which exceeded the seven days clause, we will keep this in mind and will take care in future whenever it will require.
(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	Yes, it is complied. Copy of the clearance letter sent to Gram Panchayat is attached herewith as **Enclosure-14.**

	proponent.	
(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). Photographs of Bill board outside main gate is attached as **Enclosure-17** for your ready reference. Screenshot of the website is attached herewith as **Enclosure-15** for your ready reference.
(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 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.	Yes, Environment Statement for financial /year ending 31st March 2020 is complied and submitted to MPCB. Acknowledged letter copy is enclosed herewith as **Enclosure -16.** Copy of the same has been uploaded on company's website, i.e. **www.dilenergy.co.in.** Screenshot of the website is attached herewith as **Enclosure-15** for your ready reference.
(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	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

	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.	Control Board. Copy of the same has been uploaded on company's website, i.e. **www.dilenergy.co.in.** Screenshot of the website is attached herewith as **Enclosure-15** for your ready reference.
	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.	Yes, will be complied time to time. Compliance status has been uploaded on company's website, i.e. **www.dilenergy.co.in.** Screenshot of the website is attached herewith as **Enclosure-15** for your ready reference.
(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 April 2020 to 30th September 2020 were **561.96 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.

SL No	Additional Conditions (as per MoEF & CC Notification No. S.O. 1561(E), dated 21.05.2020)	Compliance Status
(1)	**Setting Up Technology Solution for emission norms:**	
	(i) Compliance of specified emission norms for Particulate Matter, as per extant notifications and instructions of Central Pollution Control Board, issued from time to time.	ESP's are designed to ensure that particulate emission does not exceed 50 mg/Nm3.
	(ii) In case of washries, Middling and rejects to be utilized in FBC (Fluidized Bed Combustion) technology based thermal power plants. Washery to have linkage for middling and rejects in Fluidized Bed Combustion plants.	Not Applicable to us.
(2)		
	(i) The thermal powers plants shall comply with conditions, as notified in the Fly Ash notification issued from time to time, without being entitled to additional capacity of fly ash pond (for existing power generation capacity) on ground of switching from washed coal to unwashed coal.	Plant management is focused on effective utilization of Ash generated at site. For achieving 100% dry Ash utilization, Ash generated is being taken by nearby cement plants and Brick Manufacturers for cement & Bricks manufacturing and others value added products.
	(ii) Appropriate Technology solutions shall be applied to optimize water consumption for Ash management;	• Entire Ash is handled in dry form without requiring water except furnace Ash • Furnace Ash or Bottom Ash is transported as slurry from bottom Ash hopper to the Ash pond. After the process of decantation, water is recycled and reused again in transportation of Ash slurry.
	(iii) The segregation of ash may be done at the Electro-Static Precipitator stage, if required, based on site specific conditions, to ensure maximum utilization of fly ash;	High efficiency ESPs have been installed and entire quantity of Ash collected from ESP's is utilized as per MoEF&CC guideline.
	(iv) Subject to 2(i) above, the thermal power plants to dispose fly ash in abandoned or working mines (to be facilitated by mine owner) with environmental safeguards.	Being Complied.
(3)	**Transportation:**	
	(i) Coal transportation may be undertaken by covered Railway wagon (railway wagons covered by tarpaulin or other means) and/or covered conveyer beyond the mine area. However, till such time enabling Rail transport/conveyer	Coal transportation is being done through Rail. However, transportation of coal by road is carried out by covered truck only as

	infrastructure is not available, road transportation may be undertaken in trucks, covered by tarpaulin or other means.	and when needed.
	(ii) It shall be ensured by the thermal power plant that a. Rail siding facility or conveyor facility is set up at or near the power plant, for transportation by rail or conveyor; and b. If transportation by rail or conveyor facility is not available, ensure that the coal is transported out from the Delivery Point of the respective mine in covered trucks (by tarpaulin or other means), or any mechanized closed trucks by road.	There is a railway siding facility within the plant premises. Noted. Being complied

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

(Authorized Signatory)

Encl. : As above

ENCLOSURE – 1

GROUND WATER LEVEL STATUS

May - 2020

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	27-05-2020	2.55	9.5	8.25	0.8	7.45
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	27-05-2020	4.10	9.8	8.35	0.8	7.55
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	27-05-2020	0.16	80.0	7.80	0.1	7.7
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	27-05-2020	6.0	9.5	8.90	0.1	8.8
5.	**Village- Wandhari**	Borewell Water of Hanuman Mandir	DIL 5	27-05-2020	5.0	10.3	9.10	0.2	8.9
6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	27-05-2020	4.95	11.0	8.85	0.7	8.15
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	27-05-2020	4.50	9.0	2.30	0.6	1.70

8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	27-05-2020	3.65	12.35	2.15	0.8	1.35
9.	**Village- Morwa**	Dugwell near Jagnath Baba Mandir	DIL 9	27-05-2020	2.40	14.80	2.65	0.8	1.85
10.	**Village- Mursa**	Grampanchayat. Dugwell near Z.P. Primary School	DIL 10	27-05-2020	7.0	10.8	5.25	4.4	0.85
11.	**Village- Wadha**	Intake Well	DIL 11	27-05-2020	11.0	21.8	9.10	0.50	8.60
12.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-1	DIL 12	27-05-2020	0.12	30.5	6.50	0.30	6.20
13.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-2	DIL 13	27-05-2020	0.12	30.5	6.60	0.30	6.30
14.	**MIDC,Tadali**	Ash Pond II, PZ-3	DIL 14	27-05-2020	0.12	30.5	6.50	0.70	5.80
15.	**MIDC,Tadali**	Near Railway Crossing of WB-2, PZ-4	DIL 15	27-05-2020	0.12	30.5	3.75	0.80	2.95
16.	**MIDC,Tadali**	Near ETP Security Post, PZ-5	DIL 16	27-05-2020	0.12	30.5	4.38	0.90	3.48
17.	**MIDC,Tadali**	Near AAQMS Cabin-3, PZ-6	DIL 17	27-05-2020	0.12	30.5	4.10	0.90	3.20
18.	**MIDC,Sakharwahi**	Dugwell Water from Shri Ravindra Bhagwat Farm	DIL 18	27-05-2020	3.6	7.6	6.15	0.70	5.45
Note: All the above Ground Water Level Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

August – 2020

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	04-08-2020	2.55	9.5	7.95	0.8	7.15
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	04-08-2020	4.10	9.8	7.30	0.8	6.5
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	04-08-2020	0.16	80.0	4.15	0.1	4.05
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	04-08-2020	6.0	9.5	7.50	0.1	7.4
5.	**Village- Wandhari**	Borewell Water of Hanuman Mandir	DIL 5	04-08-2020	5.0	10.3	6.80	0.2	6.6
6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	04-08-2020	4.95	11.0	2.65	0.7	1.95
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	04-08-2020	4.50	9.0	2.45	0.6	1.85
8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	04-08-2020	3.65	12.35	2.30	0.8	1.5
9.	**Village- Morwa**	Dugwell near Jagnath Baba Mandir	DIL 9	04-08-2020	2.40	14.80	2.90	0.8	2.1

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)
10.	**Village- Mursa**	Grampanchayat. Dugwell near Z.P. Primary School	DIL 10	04-08-2020	7.0	10.8	5.35	4.4	0.95
11.	**Village- Wadha**	Intake Well	DIL 11	04-08-2020	11.0	21.8	9.30	0.50	8.8
12.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-1	DIL 12	04-08-2020	0.12	30.5	7.15	0.30	6.85
13.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-2	DIL 13	04-08-2020	0.12	30.5	6.80	0.30	6.5
14.	**MIDC,Tadali**	Ash Pond II, PZ-3	DIL 14	04-08-2020	0.12	30.5	6.85	0.70	6.15
15.	**MIDC,Tadali**	Near Railway Crossing of WB-2, PZ-4	DIL 15	04-08-2020	0.12	30.5	3.95	0.80	3.15
16.	**MIDC,Tadali**	Near ETP Security Post, PZ-5	DIL 16	04-08-2020	0.12	30.5	4.40	0.90	3.5
17.	**MIDC,Tadali**	Near AAQMS Cabin-3, PZ-6	DIL 17	04-08-2020	0.12	30.5	4.15	0.90	3.25
18.	**MIDC,Sakharwahi**	Dugwell Water from Shri Ravindra Bhagwat Farm	DIL 18	04-08-2020	3.6	7.6	6.10	0.70	5.4
Note: All the above Ground Water Level Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

ENCLOSURE -2

WATER QUALITY STATUS

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dugwell Water, Village-Pandharkwada	Borewell Water, Village-Sonegaon	Dugwell Water, Village-Sakharwahi	Dugwell Water, Village-Yerur
			27-05-2020	27-05-2020	27-05-2020	27-05-2020
1.	Colour, Hazen units	5/15	1.0	1.0	1.0	1.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.75	7.67	7.82	7.24
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.14	0.12	1.28	<0.1
6.	Total dissolved solids, mg/l	500/2000	714.0	620.0	493.0	714.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	74.1	68.7	47.1	54.7
9.	Chloride (as Cl), mg/l	250/1000	158.2	54.2	51.4	32.1
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	1.12	0.40	0.78	1.17
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	0.06	<0.05	<0.05	<0.05

14	Magnesium (as Mg), mg/l	30/100	26.1	26.1	16.4	25.1
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01	<0.01
16	Nitrate (as NO_3), mg/l	45	6.80	5.14	4.81	3.53
17	Sulphate (as SO_4), mg/l	200/400	91.6	65.4	47.2	82.4
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	179.0	281.4	192.4	335.1
19	Total Hardness(as $CaCO_3$) mg/l	300/600	275.6	278.6	184.9	239.5
20	Zinc (as Zn) mg/l	5/15	0.06	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Borewell Water, Village-Wandhri	Dugwell Water , Village-Morwa	Dugwell Water, Village-Ghodpeth	Dugwell Water , Village-Tadali
			27-05-2020	27-05-2020	27-05-2020	27-05-2020
1.	Colour, Hazen units	5/15	1.0	1.0	1.0	1.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.68	7.62	7.68	7.63
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.10	0.10	0.15	0.18
6.	Total dissolved solids, mg/l	500/2000	852.0	537.0	491.0	617.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	88.6	70.1	51.4	82.1
9.	Chloride (as Cl), mg/l	250/1000	92.4	64.1	34.2	58.3
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	1.34	0.60	0.72	0.51
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	0.14	<0.05	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	25.4	29.4	16.2	18.8
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	3.82	3.37	2.83	3.18
17	Sulphate (as SO_4), mg/l	200/400	101.7	77.1	46.1	51.6
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	188.1	214.8	214.2	191.0
19	Total Hardness (as $CaCO_3$) mg/l	300/600	310.0	295.6	194.8	282.2
20	Zinc (as Zn) mg/l	5/15	<0.04	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dhariwal Radial Intake Well Water, Near Village-Wada	Near Old Switch Yard Piezometer -6	Near Recovery Pump House-I, PZ-1 (Ash Pond)	Near Recovery Pump House-II, PZ-2 (Ash Pond)
			27-05-2020	27-05-2020	27-05-2020	27-05-2020
1.	Colour, Hazen units	5/15	2.0	2.0	3.0	3.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.70	7.82	8.18	8.25
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	3.08	0.48	3.67	1.20
6.	Total dissolved solids, mg/l	500/2000	371.0	461.0	328.0	336.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	0.08	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	39.1	41.7	34.4	42.6
9.	Chloride (as Cl), mg/l	250/1000	26.2	31.2	21.8	23.4
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	0.24	0.38	0.24	0.24
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	<0.05	0.07	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	16.7	24.8	19.7	16.2
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	4.34	3.16	<0.2	<0.2
17	Sulphate (as SO_4), mg/l	200/400	37.2	82.2	69.6	65.1
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	191.2	185.2	136.2	138.1
19	Total Hardness (as $CaCO_3$) mg/l	300/600	166.1	205.8	166.7	172.9
20	Zinc (as Zn) mg/l	5/15	<0.04	0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration		
			Location		
			Ash Pond II, PZ-3	Near Railway Crossing of WB-2, PZ-4	Near ETP Security Post, PZ-5
			27-05-2020	27-05-2020	27-05-2020
1.	Colour, Hazen units	5/15	3.0	3.0	2.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	8.16	8.07	7.72
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	1.47	1.85	1.56
6.	Total dissolved solids, mg/l	500/2000	341.0	491.0	488.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	0.07
8.	Calcium (as Ca) ,mg/l	75/200	34.7	49.2	55.4
9.	Chloride (as Cl), mg/l	250/1000	22.7	38.9	41.2
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	0.01
11.	Fluoride (as F), mg/l	1.0/1.5	0.24	0.47	0.49
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	<0.05	0.05	0.08
14	Magnesium (as Mg), mg/l	30/100	16.8	20.6	24.2
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	<0.2	2.86	1.46
17	Sulphate (as SO_4), mg/l	200/400	66.1	57.6	76.2
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	147.1	152.1	208.2
19	Total Hardness (as $CaCO_3$) mg/l	300/600	155.5	207.4	237.6
20	Zinc (as Zn) mg/l	5/15	<0.04	0.04	0.06
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration		
			Location		
			Dugwell Water , Village-Pandharkwada	Borewell Water, Village-Sonegaon	Dugwell Water, Village-Yerur
			04-08-2020	04-08-2020	04-08-2020
1.	Colour, Hazen units	5/15	2.0	1.0	3.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.61	7.49	7.10
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.18	1.0	0.28
6.	Total dissolved solids, mg/l	500/2000	658.0	594.0	540.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	63.0	63.0	38.4
9.	Chloride (as Cl), mg/l	250/1000	133.2	51.4	26.6
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	1.03	0.38	0.84
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	0.05	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	21.5	23.4	15.4
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	2.71	3.82	<0.2
17	Sulphate (as SO_4), mg/l	200/400	76.3	62.4	52.6
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	155.9	215.0	198.9
19	Total Hardness(as $CaCO_3$) mg/l	300/600	246.1	253.8	159.6
20	Zinc (as Zn) mg/l	5/15	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Borewell Water, Village-Wandhri	Dugwell Water , Village-Morwa	Dugwell Water (Shiv Mandir , Village – Ghodpeth)	Dugwell Water, Village-Tadali
			04-08-2020	04-08-2020	04-08-2020	04-08-2020
1.	Colour, Hazen units	5/15	1.0	1.0	2.0	3.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.44	7.4	7.44	7.48
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	0.10	<0.1	0.18	0.62
6.	Total dissolved solids, mg/l	500/2000	646.0	498.0	464.0	562.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	64.6	58.4	47.6	67.6
9.	Chloride (as Cl), mg/l	250/1000	78.0	51.4	32.3	54.2
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	1.17	0.45	0.64	0.45
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	0.10	<0.05	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	20.6	19.6	14.5	16.8
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	1.63	1.38	1.08	1.62
17	Sulphate (as SO_4), mg/l	200/400	89.5	62.1	39.2	45.7
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	198.9	188.1	198.9	188.1
19	Total Hardness (as $CaCO_3$) mg/l	300/600	246.1	226.9	178.8	238.4
20	Zinc (as Zn) mg/l	5/15	<0.04	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Dhariwal Radial Intake Well Water, Near Village-Wada	Near Old Switch Yard Piezometer -6	Near Recovery Pump House-I, PZ-1 (Ash Pond)	Near Recovery Pump House-II, PZ-2 (Ash Pond)
			04-08-2020	04-08-2020	04-08-2020	04-08-2020
1.	Colour, Hazen units	5/15	4.0	3.0	4.0	3.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.34	7.59	7.95	8.06
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	4.69	0.73	4.10	2.76
6.	Total dissolved solids, mg/l	500/2000	300	380.0	294.0	308.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	32.3	35.3	29.2	38.4
9.	Chloride (as Cl), mg/l	250/1000	33.7	27.6	20.4	21.8
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	<0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	<0.2	0.31	0.22	0.20
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	<0.05	0.06	<0.05	<0.05
14	Magnesium (as Mg), mg/l	30/100	14.0	19.6	17.7	14.5
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	<0.2	1.39	<0.2	<0.2
17	Sulphate (as SO_4), mg/l	200/400	35.1	66.3	58.3	55.9
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	134.4	155.9	129.0	129.0
19	Total Hardness (as $CaCO_3$) mg/l	300/600	138.4	169.2	146.1	155.7
20	Zinc (as Zn) mg/l	5/15	<0.04	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration			
			Location			
			Ash Pond II, PZ-3	Near Railway Crossing of WB-2, PZ-4	Near ETP Security Post, PZ-5	Dugwell Water, Village-Sakharwahi
			04-08-2020	04-08-2020	04-08-2020	04-08-2020
1.	Colour, Hazen units	5/15	3.0	3.0	2.0	2.0
2.	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	pH value	6.5 to 8.5	7.96	7.84	7.57	7.59
4.	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5.	Turbidity, NTU	1/5	2.39	2.79	1.44	0.94
6.	Total dissolved solids, mg/l	500/2000	318.0	394.0	416.0	458.0
7.	Boron (as B) mg/l	0.5/1.0	<0.06	<0.06	<0.06	<0.06
8.	Calcium (as Ca) ,mg/l	75/200	29.2	41.5	49.2	39.2
9.	Chloride (as Cl), mg/l	250/1000	20.9	32.3	37.6	46.6
10.	Copper (as Cu), mg/l	0.05/1.5	<0.01	<0.01	0.01	<0.01
11.	Fluoride (as F), mg/l	1.0/1.5	<0.2	0.34	0.38	0.54
12.	Free Residual Chlorine, mg/l	0.2/1.0	<0.1	<0.1	<0.1	<0.1
13	Iron (as Fe), mg/l	1.0	<0.05	<0.05	0.07	<0.05
14	Magnesium (as Mg), mg/l	30/100	14.5	18.2	21.5	12.6
15	Manganese (as Mn), mg/l	0.1/0.3	<0.01	<0.01	<0.01	<0.01

16	Nitrate (as NO_3), mg/l	45	<0.2	1.36	1.07	1.63
17	Sulphate (as SO_4), mg/l	200/400	57.3	44.8	65.2	43.2
18	Total Alkalinity (as $CaCO_3$)mg/l	200/600	134.4	145.1	155.9	188.1
19	Total Hardness (as $CaCO_3$) mg/l	300/600	132.6	178.8	184.6	150.0
20	Zinc (as Zn) mg/l	5/15	<0.04	<0.04	<0.04	<0.04
21	Lead (as Pb) mg/l	0.01	<0.01	<0.01	<0.01	<0.01
22	Mercury (as Hg) mg/l	0.001	<0.001	<0.001	<0.001	<0.001
23	Total Arsenic (as As) mg/l	0.01/0.05	<0.01	<0.01	<0.01	<0.01
24	Total Chromium (as Cr) mg/l	0.05	<0.01	<0.01	<0.01	<0.01

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.

2) Information given to local panchayat through DIL CSR team for the necessary treatment & assistance.

ENCLOSURE - 3

STACK EMISSION QUALITY STATUS APRIL-2020 TO SEPTEMBER-2020

Sr. No.	Parameters	Concentration											
		APRIL -2020		MAY-2020		JUNE-2020		JULY-2020		AUGUST-2020		SEPT-2020	
		TPP Unit I	TPP Unit II	TPP Unit I	TPP Unit II	TPP Unit I	TPP Unit II	TPP Unit I	TPP Unit II	TPP Unit I	TPP Unit II	TPP Unit I	TPP Unit II
1.	Total Particulate Matter, mg/Nm^3	26.8	31.7	29.2	27.5	25.8	25.6	24.8	29.5	22.0	30.8	27.3	23.6
2.	Sulphur Dioxide as SO_2, mg/ Nm^3	1683.0	1567.3	1382.1	1485.2	1322.9	1535.4	1277.9	1773.6	1181.1	1597.9	1322.5	1442.4
3.	Sulphur Dioxide as SO_2, Kg/Hr	1858.8	1578.8	1484.8	1514.3	1298.8	1555.1	1045.2	1481.3	986.8	1301.0	1138.7	1235.3
4.	Oxides of Nitrogen as NO_2 mg/Nm^3	286.5	282.1	274.2	187.4	303.9	211.2	297.7	270.2	294.7	256.5	296.9	251.7
5.	Oxides of Nitrogen as NO_2 , ppm	152.3	149.9	145.7	99.6	162.5	112.2	158.2	143.6	156.6	136.3	157.8	133.8
6.	Mercury as Hg, mg/Nm^3	0.001	0.003	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001
Note: All the above Stack monitoring & Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.													

STACK EMISSION QUALITY STATUS – APRIL-2020 TO SEPTEMBER-2020									
Sr. No	Parameters	APRIL – 2020				JULY-2020			
		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)	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)
1.	Total Particulate Matter, mg/Nm^3	37.5	34.5	33.5	34.5	32.8	33.7	31.6	32.7
2.	Sulphur Dioxide as SO_2, mg/ Nm^3	41.2	38.1	44.7	45.1	37.4	36.7	34.3	35.9
3.	Sulphur Dioxide as SO_2, Kg/Hr	0.11	0.11	0.14	0.14	0.10	0.11	0.10	0.11
4.	Oxides of Nitrogen as NO_2,mg/Nm^3	136.4	127.4	139.6	128.7	125.7	129.0	120.4	125.5
5.	Oxides of Nitrogen as NO_2, ppm	72.3	67.5	73.9	68.2	66.8	68.5	64.0	66.7
Note: All the above Stack monitoring & Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

ENCLOSURE –4

EFFLUENT QUALITY STATUS

EFFLUENT QUALITY MONITORING REPORT – APRIL-2020 TO SEPTEMBER-2020									
Sr. No.	**Parameter**	**NORMS**		**APR.-20**	**MAY-20**	**JUNE-20**	**JULY-20**	**AUG-20**	**SEPT-20**
1.	**PH**	**6.5 to 8.5**	**ETP Outlet**	7.6	7.3	7.2	7.30	7.8	7.1
2.	**Total Suspended Solid**	**100 mg/l**		12.0	10.0	6.0	8.0	14.0	8.0
3.	**Oil & Grease**	**10 mg/l**		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
4.	**Biochemical Oxygen Demand (3 days/27°C)**	**30 mg/l**		6.0	4.0	4.0	3.0	4.6	7.5
5.	**Chemical Oxygen demand**	**250 mg/l**		110.0	107.0	128.4	116.9	48.5	68.0
6.	**Total Dissolved Solid**	**2100 mg/l**		1486.0	1432.0	1418.0	1106.0	1235.0	1124.0
Note:The Effluent Quality monitoring done MOEF approved 3rd party M/s Earth care Pvt. Ltd.									

Effluent Quality Monitoring report APRIL-2020 to SEPTEMBER-2020														
Sl. No.	Parameter	Norms		APRIL-20		MAY-20		JUNE-20		JULY-20		AUG-20		SEPT-20	
				unit – I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit – II	unit - I	unit - II	unit - I	unit - II
1	PH	5.5 - 9.0	Condenser cooling Water	7.9	7.8	7.7	7.9	7.7	8.0	7.80	8.10	8.0	7.8	8.0	7.9
2	Temp.	<5°C higher than Intake water		3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0
3	Free Available Chlorine	0.5 mg/l		0.3	0.2	0.2	0.1	0.19	0.32	0.30	0.26	0.11	0.25	0.1	0.12
Note:	Effluent Quality monitoring done by MoEF approved 3rd party M/s Earth care Pvt. Ltd.														

Effluent Quality Monitoring report APRIL-2020 to SEPTEMBER-2020															
Sl.No.	Parameter	Norms		APRIL-20		MAY-20		JUNE-20		JULY-20		AUG-20		SEPT-20	
				unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II
1	Total Suspended solid	100 mg/l	Boiler Blow Down	3.0	5.0	4.0	3.0	4.4	4.0	6.0	4.0	2.0	4.0	2.4	2.8
2	Oil & Grease	10 mg/l		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3	Copper(Total)	1 mg/l		0.06	0.07	0.08	0.05	0.09	0.06	0.08	0.05	0.06	0.04	0.05	0.03
4	Iron(Total),mg/l	1 mg/l		0.11	0.14	0.12	0.10	0.14	0.12	0.15	0.10	0.10	0.08	0.11	0.09
Note:	The Effluent Quality monitoring done by MoEF approved M/s Earth care Pvt. Ltd.														

Effluent Quality Monitoring report From APRIL-2020 to SEPTEMBER-2020

Sl.No.	Parameter	Norms		APRIL-20		MAY-20		JUNE-20		JULY-20		AUG-20		SEPT-20	
				unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II	unit - I	unit - II
1	Free Available chlorine	0.5 mg/l	Cooling tower blow down	0.10	0.20	0.14	0.18	0.39	0.21	0.28	0.19	0.17	0.19	0.12	0.13
2	Zinc	1 mg/l		0.34	0.30	0.31	0.26	0.34	0.24	0.31	0.22	0.24	0.16	0.18	0.14
3	Chromium (Total)	0.2 mg/l		0.07	0.06	0.06	0.05	0.08	0.06	0.09	0.05	0.06	0.04	0.08	0.05
4	Phosphate	5 mg/l		1.18	0.96	1.12	1.06	1.26	1.89	1.03	1.42	1.12	1.82	1.05	1.13
Note:	The Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.														

Effluent Quality Monitoring report From APRIL-2020 to SEPTEMBER-2020									
Sl.No.	Parameter	unit		APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1	PH	--	Ash Pond	8.3	8.4	8.2	8.40	8.3	8.2
2	Oil & grease	mg/l		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3	TSS	mg/l		4.0	3.0	4.0	8.0	6.0	4.0
4	Lead (As Pb)	mg/l		0.08	0.07	0.08	0.09	0.08	0.06
5	Mercury (As Hg)	mg/l		0.004	0.005	0.006	0.007	0.005	0.004
6	Total Chromium (As Cr)	mg/l		0.05	0.06	0.07	0.09	0.07	0.05
7	Total Arsenic (As As)	mg/l		0.06	0.04	0.05	0.06	0.05	0.03
Note:	Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.								

Effluent Quality Monitoring report From APRIL-2020 to SEPTEMBER-2020										
Sl.No.	Parameter	Norms	Unit		APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1	PH	-		STP Treated Effluent	7.1	7.0	7.2	7.20	7.5	7.2
2	Total Suspended Solids (TSS)	100	mg/L		8.20	7.70	5.2	5.0	3.2	4.0
3	BOD	100	mg/L		9.40	8.20	9.8	8.6	9.50	6.0
Note:	Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.									

ENCLOSURE –5(A)

AMBIENT NOISE QUALITY STATUS

Location			AAQMS Cabin-01 (Near VIP Gate)		AAQMS Cabin-02 (Near ETP & RWH Pond)		AAQMS Cabin-03 (Near Old Switch Yard)	
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)	**APRIL-2020**	Leq	51.3	48.7	53.6	48.9	55.4	49.3
	MAY-2020	Leq	50.5	47.9	52.9	47.7	55.1	48.6
	JUNE-2020	Leq	51.2	48.6	53.2	48.2	56.1	48.9
	JULY-2020	Leq	51.3	48.7	53.4	48.4	56.2	49.1
	AUG-2020	Leq	55.7	49.6	58.4	49.5	60.3	53.1
	SEPT-2020	Leq	61.2	56.8	65.3	55.4	63.5	55.6
Norms		**Industrial Area**	**75**	**70**	**75**	**70**	**75**	**70**
Note: Noise Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.								

ENCLOSURE –5(B)

WORK PLACE NOISE QUALITY STATUS

Month			APRIL-2020		JULY-2020	
Parameters	**Sr. No.**	**Location**	**Norms**	**Reading**	**Norms**	**Reading**
Noise Level in dB (A)	1	**ID Fan U#1**	**85**	76.7	**85**	76.8
	2	**ID Fan U#2**	**85**	76.6	**85**	76.7
	3	**FD Fan U#1**	**85**	75.8	**85**	75.8
	4	**FD Fan U#2**	**85**	75.7	**85**	75.8
	5	**TG-12 mtr U#1**	**85**	75.5	**85**	75.6
	6	**TG-12 mtr U#2**	**85**	76.5	**85**	76.7
	7	**MOT tank (TG-6 mtr. U#1)**	**85**	79.8	**85**	80.0
	8	**MOT tank (TG-6 mtr. U#2)**	**85**	79.3	**85**	79.4
	9	**DG Compressor**	**85**	79.7	**85**	79.8

Month			APRIL-2020		JULY-2020	
Parameters	**Sr. No.**	**Location**	**Norms**	**Reading**	**Norms**	**Reading**
Noise Level in dB (A)	10	**AHP Compressor Room**	**85**	77.1	**85**	77.2
	11	**Boiler-1 # 12 mtr.**	**85**	77.5	**85**	77.6
	12	**Boiler-2 # 12 mtr.**	**85**	78.5	**85**	78.5
	13	**BFP TG-1 Unit#1**	**85**	81.4	**85**	81.5
	14	**BFP TG-2 Unit#2**	**85**	79.9	**85**	80.1
	15	**Crusher House**	**85**	79.5	**85**	79.6
	16	**Screen floor**	**85**	74.5	**85**	74.4
	17	**DSS Pump house**	**85**	54.6	**85**	54.7
Note: Workplace Noise Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.						

Month			APRIL-2020		JULY-2020	
Parameters	Sr. No.	Location	Norms	Reading	Norms	Reading
Noise Level in dB (A)	18	Ash Slurry Pump House	85	77.6	85	77.8
	19	LDO Pump house	85	76.9	85	77.1
	20	CW Pump house	85	79.7	85	79.7
	21	Mill-1	85	74.2	85	74.4
	22	Mill-2	85	73.8	85	74.0
	23	Chiller area	85	64.5	85	64.7
	24	Wagon Tippler	85	76.5	85	76.6
	25	Fire Pump house	85	78.2	85	78.4

Note: Workplace Noise Quality Monitoring done by MoEF approved 3rd Party M/s Earth care Pvt. Ltd.

ENCLOSURE – 6

AMBIENT AIR QUALITY STATUS

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	8.2	6.9	6.24	7.43	6.89	7.23
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	14.7	12.1	12.3	17.8	12.4	15.3
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	49.6	45.1	41.4	43.4	43.3	45.6
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	23.8	21.4	20.2	22.1	17.2	19.9
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	14.1	10.2	6.19	5.98	3.34	3.81
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	0.02	0.01	0.01	0.03	0.01	0.02
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.11	0.07	0.06	0.10	0.04	0.05
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	6.10	3.22	1.74	3.10	1.73	2.14
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	2.67	1.87	1.18	1.64	0.89	0.94
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.37	0.22	0.28	0.47	0.18	0.20
11.	Arsenic (As) (ng/m^3)	6	Annual	2.30	1.40	1.26	1.75	0.72	0.84
12.	Nickel (Ni) (ng/m^3)	20	Annual	6.18	5.10	5.07	6.18	2.16	2.28
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

2.0 Location: - AAQMS Cabin-02 (Near ETP and RWH pond)

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	6.12	6.0	6.17	6.86	7.73	7.49
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	12.4	8.21	9.16	14.3	12.5	14.3
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	43.7	40.1	37.9	40.8	50.3	49.4
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	21.4	19.3	19.7	19.1	22.3	21.8
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	11.7	6.14	5.16	4.93	3.86	3.92
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	0.01	0.01	0.01	0.01	0.01	0.02
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.10	0.04	0.02	0.06	0.03	0.04
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	4.15	2.32	2.32	1.99	1.74	2.10
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	2.15	1.56	1.34	1.30	1.60	1.64
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.50	0.12	0.16	0.30	0.18	0.20
11.	Arsenic (As) (ng/m^3)	6	Annual	1.34	1.11	1.40	1.55	1.19	1.23
12.	Nickel (Ni) (ng/m^3)	20	Annual	5.12	4.24	4.21	4.68	3.11	3.24
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

3.0 Location: - AAQMS Cabin-03 (Near Old Switchyard)

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	6.05	6.09	6.15	7.07	7.70	8.37
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	12.1	10.3	11.8	15.4	14.5	16.6
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	43.1	41.5	43.2	42.2	53.6	53.4
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	21.6	20.8	19.9	18.4	22.7	24.4
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	11.5	7.16	5.30	5.17	4.14	4.24
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	0.02	0.01	0.01	0.02	0.01	0.02
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.11	0.04	0.03	0.08	0.05	0.06
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	7.86	2.97	2.09	2.13	2.16	2.66
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	3.30	1.25	1.18	1.49	1.16	1.24
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.65	0.16	0.15	0.40	0.14	0.21
11.	Arsenic (As) (ng/m^3)	6	Annual	1.80	1.24	1.35	1.65	1.04	1.18
12.	Nickel (Ni) (ng/m^3)	20	Annual	5.11	5.02	4.95	5.14	2.91	2.95
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

4.0 Location: - GET Hostel

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	6.0	6.14	6.24	7.81	6.09	6.44
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	6.1	6.56	8.32	16.3	11.2	13.1
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	34.2	38.3	43.1	49.5	43.5	45.6
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)$\mu g/m^3$	60	24 Hrs	16.5	17.2	19.2	22.2	18.9	19.5
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	5.11	3.76	3.19	5.81	2.93	2.93
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	0.01	0.01	0.01	0.05	0.01	0.02
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.10	0.08	0.05	0.14	0.05	0.06
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	2.46	1.89	1.74	3.12	2.17	2.06
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	1.45	1.11	1.10	2.87	1.23	1.41
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.37	0.14	0.15	0.84	0.16	0.23
11.	Arsenic (As) (ng/m^3)	6	Annual	1.20	0.79	1.26	2.26	0.96	1.15
12.	Nickel (Ni) (ng/m^3)	20	Annual	4.10	3.85	3.80	7.93	3.50	3.62
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

5.0 Location: - Near Ash Pond

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	6.12	6.03	6.15	6.11	6.05	6.36
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	7.81	6.94	7.32	9.77	7.16	13.3
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	33.8	34.2	40.5	41.0	38.4	40.8
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	15.3	15.6	18.8	17.5	17.3	17.7
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	6.15	2.82	3.14	3.46	2.63	3.24
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	0.01	0.01	0.01	0.02	0.01	0.01
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.10	0.04	0.05	0.07	0.03	0.05
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	2.13	1.76	1.56	1.81	1.61	1.59
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	1.51	0.86	1.08	1.20	0.73	0.75
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.35	0.12	0.15	0.19	0.12	0.14
11.	Arsenic (As) (ng/m^3)	6	Annual	1.24	0.85	1.35	1.24	0.60	0.63
12.	Nickel (Ni) (ng/m^3)	20	Annual	4.41	3.34	3.60	4.57	2.76	2.52
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	--	--	6.04	7.46	6.89	7.23
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	--	--	7.45	9.59	9.59	13.1
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	--	--	34.1	39.2	49.4	52.3
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	--	--	16.2	15.6	20.1	21.8
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	--	--	2.76	2.76	2.42	2.31
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	--	--	0.01	0.02	0.02	0.03
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	--	--	0.01	0.02	0.04	0.05
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	--	--	0.78	0.64	1.08	1.07
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	--	--	0.45	0.81	0.69	0.71
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	--	--	0.16	0.22	0.14	0.15
11.	Arsenic (As) (ng/m^3)	6	Annual	--	--	0.54	0.65	0.61	0.52
12.	Nickel (Ni) (ng/m^3)	20	Annual	--	--	2.24	2.12	2.59	2.16

Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.
--Due to Covid-19 Lockdown entry was restricted so sampling was not done in April & May 2020.

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	--	--	6.16	7.20	6.51	6.83
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	--	--	8.41	10.6	9.63	12.2
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	--	--	37.6	45.8	44.1	49.4
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$) $\mu g/m^3$	60	24 Hrs	--	--	18.9	19.7	19.2	19.5
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	--	--	4.46	3.43	2.06	2.14
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	--	--	0.01	0.03	0.01	0.02
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	--	--	0.02	0.12	0.04	0.05
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	--	--	1.12	1.57	1.08	1.07
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	--	--	0.82	1.37	0.62	0.71
10.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	--	--	0.23	0.36	0.10	0.15
11.	Arsenic (As) (ng/m^3)	6	Annual	--	--	0.92	1.71	0.61	0.63
12.	Nickel (Ni) (ng/m^3)	20	Annual	--	--	3.18	5.27	2.57	2.37

Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.
--Due to Covid-19 Lockdown entry was restricted so sampling was not done in April & May 2020.

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				APRIL-20	MAY-20	JUNE-20	JULY-20	AUG-20	SEPT-20
1.	Sulphur Dioxide (SO_2) $\mu g/m^3$	80	24 Hrs	--	--	6.72	7.90	7.62	7.95
2.	Nitrogen Dioxide (NO_2) $\mu g/m^3$	80	24 Hrs	--	--	8.26	12.3	10.2	14.4
3.	Particulate Matter of size less than 10 µm (PM_{10}) $\mu g/m^3$	100	24 Hrs	--	--	39.4	48.2	51.8	56.5
4.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)$\mu g/m^3$	60	24 Hrs	--	--	19.7	21.6	21.8	22.0
5.	Ozone (O_3) ($\mu g/m^3$)	100	8 Hrs	--	--	3.67	4.06	3.16	3.28
6.	Lead (Pb) ($\mu g/m^3$)	1.0	24 Hrs	--	--	0.01	0.02	0.02	0.03
7.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	--	--	0.02	0.06	0.07	0.09
8.	Ammonia (NH_3) ($\mu g/m^3$)	400	24 Hrs	--	--	1.49	2.01	1.60	2.12
9.	Benzene (C_6H_6) ($\mu g/m^3$)	5	Annual	--	--	0.71	1.10	0.88	0.95
10.	Benzo (a) Pyrene (BaP) (ng/m^3)	1	Annual	--	--	0.32	0.58	0.14	0.22
11.	Arsenic (As) (ng/m^3)	6	Annual	--	--	0.82	0.96	0.60	0.65
12.	Nickel (Ni) (ng/m^3)	20	Annual	--	--	2.89	3.73	2.59	2.83

Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Earth care Pvt. Ltd.
-- Due to Covid-19 Lockdown entry was restricted so sampling was not done in April & May 2020.

Enclosure-7

DHARIWAL INFRASTRUCTURE LIMITED,

Tadali, Dist. Chandrapur

Six Month (April-20 September-20)

Consolidated Report on

Corporate Social Responsibility

Year 2020 to 2021

Broad CSR Initiatives

1) Education Program
2) SHG Program
3) Adolescence Girl Program
4) Agriculture Program
5) Sanitation Program

Education Program

Objective

- In Corona's epidemiological school is closed, in such situation to provide quality online education to children of age 6-14.
- Overall development of students along with school syllabus.

Activity

- Conducted Survey in 7 villages .
- Started 16 L2R, R2L classes in 7 villages ,286 students have enrolled.
- Selected 16 balsakhi for 286 students.
- Created 16 what's app group in 7 villages.
- Baalsakhi Training for digital learning by Mr. Nawale sir, 16 baalsakhi were participated
- Covid-19 awareness session was organized for baalsakhi by Atmbhan.
- Conducted 24 parents meeting in 7 villages for digital education. .
- Organized Diksha app training for baalsakhi.
- Organized online science exhibition in 7 villages, 148 students were participated.
- Celebrated Independence Day and Rakshabandhan in 7 village on virtual platform , 65 student participated.
- Organized online GK exam in 7 villages, 120 students were participated.
- Celebrated Teacher's Day in 7 village , 78 students were participated.
- Started loudspeaker activity in Sonegaon, Wadha and Dhanora .
- Information has been given to parents about Tilmili educational program which is started by Maharashtra govt.
- Sharing educational videos in what's app group with the help of 16 baalsakhi in 7 villages to complete school syllabus.

Output

- Student getting quality education in pandemic situation .
- Baalsakhi now able to teach in virtual platform.
- 47% school syllabus covered by digital learning program.
- Student participated actively in all the task activities and expressed their talents on virtual platform.
- Parents also involved in all the activities and satisfied with this fully digital learning by DIL and PAHEL.
- Parent who do not offered Android phones ,that students getting education through loudspeaker Activity.

Photo Gallery

Diksha App Training

Awareness session by 'Atmbhan'

Parent's meeting

Syllabus teaching through 'Diksha app'

Loudspeaker Activity

Agriculture Program

Objective

- Farmers clubs in Shengaon , Pandharkawa, Wadha, Dhanora,Yerur & Sonegaon are able to access all supports from NABARD & Agriculture Departments.

Activity

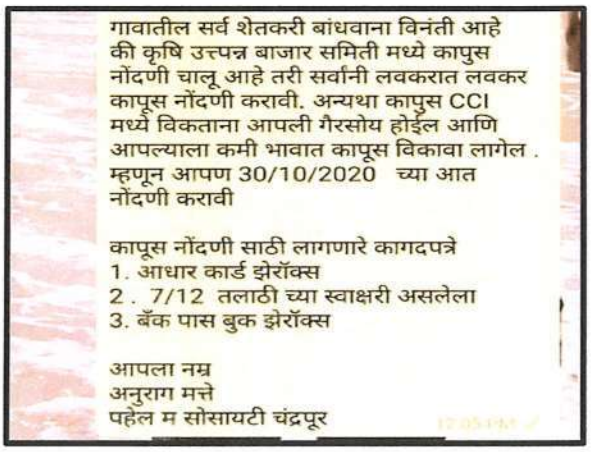
- Created what's app group of farmers.
- 170 farmers were admitted in 9 Farmer club for 7 villages.
- Neem fertilizer training had been given to farmers, 35 farmers were participated.
- Conducted monthly farmer's club meeting to share their problems regarding farming.
- Informed farmers about crop insurance, 80 % farmers applied for this scheme.
- Farmers participated in Vasantrao Naik agriculture week program, guidance on modern farming method and Agro supplement businesses.
- Guided farmer on pink ball worm infection on cotton by agriculture office ,74 farmers were participated
- Informed about eco-friendly device to prevent pink ball worm infection, one farmer now using this solar traps.
- Informed about registering for cotton selling in bazar samiti, 87% farmers registered.
- Informed about immense project, 2 farmers are ready to do this business.

Output

- Farmers getting information about crop diseases and pesticides for particular disease.
- Farmer prepared eco-friendly Neem fertilizer.
- 2 farmers are ready to do immense business.
- Farmers aware about modern farming system and moving towards the businesses along with farming.

Photo Gallery

Guidance on Pink ball worm



Registration for cotton selling

Immense project meeting

Information about Pink Ball worm

Self Help Group Program

Objective

- Motivating women for self-employment through SHG.
- Helping women to create their own existence.
- To inform about the scheme being implemented by the government for the SHG.
- Providing capital for women to set up businesses in corona pandemic.

Activity

- Formed 21 SHG for 230 women.
- Created 7 what's app group for 7 villages.
- Conducted SHG meeting with SHG women for monthly reports.
- Ghe Bharari unit of Pandharkawda completed mask order of Rs.1,50,000 .
- Ghe Bharari unit of Pandharkawda completed 30 school bag order from New English High school Pandharkawda..
- Successful account opening of Ghe bharari group of Pandharkawda.
- Organizes book keeping record training for SHG in 7 villages.
- Shared covid-19 videos in what's app group .
- Distributed parlor kit to resume beauty parlor business which were closed due to lockdown.
- Inauguration of fast food center at Dhanora by Mrs. Chhaya Wasade.

Output

- 2 SHG has started fast food center at Dhanora and Tadali.
- 2 SHG resumed their beauty parlor business after unlock.
- Ghe Bharari unit of Pandharkawda earned Rs. 30,000 in covid-19 lockdown .
- SHG of Pandharkawda, appreciated by ETV Bharat and Sakal news portal.

Photo Gallery

Mask teaching by SHG

Distribution of Parlor kit

Fast food center of Tadali

Adolescent Girls Program

Objective

- Informing teenage girls about menstruation and guide on personal hygiene.
- Guiding adolescent girls on self-defense.
- To understand the problems of adolescence girls and to guide Adolescent Girls.

Activity

- Created 2 what's app group for adolescent girls below 14 (22 girls) and girls above 14 age groups (47).
- Zoom app demonstration for online meeting and session at Dhanora , Wadha , Shengaon and Sonegaon ,48 girls were participated.
- Organized spoken English classes, 25 girls have participated .
- Organized health and hygiene session, 20 girls were participated.
- Organized waste management session 17 girls were participated.
- Celebrated Independence day and Rakshabandhan on virtual platform, 5 girls were participated.
- Organized Speech , singing, dance competition on occasion of Ganesh festival , 24 girls were participated.
- Organized online result declaration program of Ganesh festival competitions , 15 A.D girls were participated.
- Covid-19 awareness by sharing videos.

Output

- Adolescence girls are aware about menstrual and personal hygiene.
- Girls actively participated in all the virtual activities and training session organized by DIL and Pahel.

Photo Gallery

Spoken English training.

Health and Hygiene training

Ganesh festival competition

Waste Management Session

Zoom App Demo

Sanitation Program

Objective:

- To explain the importance of cleanliness to the villagers.
- Aware about various diseases like rainy season, dengue , covid-19etc.
- Save the people from covid-19 pandemic

Activity:

- Series of covid-19 awareness by sharing awareness posters , videos and all the guidelines provided by the government.
- Created 2 what's app group for 7 villagers.
- Awareness videos made by sarpanch and villagers.
- Awareness on covid-19 by Atmbhan.
- Organized Awareness session on dengue, malaria , 65 villagers were participated .
- Installation of Arogya setu app , 35 villager installed this app
- Distributed mask sanitizer and food to poor people.
- Donation to district administration for COVID- 19.

Output:

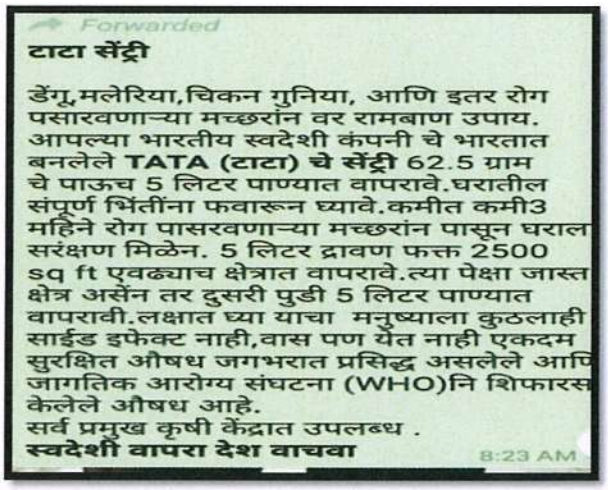
- Villagers are taking precautions to avoid covid-19 infection.
- Villagers have installed Arogya setu app which will helpful to detect covid-19 patient at nearby area.

Photo Gallery

Covid-19 awareness by Atmbhan

Helpline poster for Covid-19

Awareness on Covid-19



Information about Tata sentry Product

Expenditure

- Total Expenditure for the period from April 2020 to September 2020 for all CSR activities was Rs. 21.10 Lakhs.

ENCLOSURE –8

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment & Forests

Regional Office (W), Nagpur

Monitoring Report					
PART- I					
DATA SHEET					
Ref No.	DIL/HSE/F-09/20-21/			**Date :**	28/11/2020
1.	Project type : River-valley/Mining / Industry/Thermal/Nuclear/other (specify)		:	Thermal Power Plant	
2	Name of the project		:	M/s. Dhariwal Infrastructure Ltd. Plot No. C-6, C-7 & C-8, Tadali Industrial Area, MIDC, Village – Tadali, Dist. - Chandrapur	
3.	Clearance letter (s)/OM no and date		:	J-13011/10/2009-IA. II (T) dated 04 -12-2009	
4.	Location				
	a.	District (s)	:	Chandrapur	
	b.	State(s)	:	Maharashtra	
	c.	Latitude/Longitude	:	Latitude : 20°00'30" to 20°01'20" North Longitude 79°11'50" to 79°12'35" East	
5.	Address for correspondence				
	a.	Address of Concerned Project Chief Engineer (with pin code & telephone/telex/fax numbers	:	Shri. Rabi Chowdhury, Managing Director M/s. Dhariwal Infrastructure Ltd. Plot No. C-6, C-7 & C-8, Tadali Industrial Area, MIDC, Village – Tadali, Dist. – Chandrapur, PIN - 442406 Phone No. 07172-645911-13 Fax No.- 07172-237992	
	b.	Address of Executive Project Engineer/Manager (with pin code/fax numbers)	:	Shri. Goutam Ghoshal Vice President M/s. Dhariwal Infrastructure Ltd. Plot No. C-6, C-7 & C-8, Tadali Industrial Area, MIDC, Village – Tadali, Dist. – Chandrapur PIN - 442406 Phone No. 07172-645911-13 Fax No.- 07172-237992	
6	Salient features				
	a.	of the project	:	Please refer **Annexure-1**	
	b.	of the environmental management plans	:		
7.	Breakup of the project area				
	a.	submergence area : forest & non-forest	:	Not applicable since the Unit is set up in MIDC Industrial Area	

	b.	Others	:	Total project area : 441.84 Acres Area earmarked for green belt development is : 125.34 Acres
8.		Break up of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only, both dwelling units & agricultural land & landless laborers/artisan (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	:	Not applicable since the Unit is set up in MIDC Industrial Area
9.		Financial details		
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Total project cost originally planned was Rs. 3054 Crores. The gross capital investment incurred as on 31.03.2020 is Rs. 3904.50 Crores.
	b.	Allocation made for environmental management plans with item wise and year wise break-up		Rs. 561.96 Lakhs.

Sr.No.	Particular	Capital Cost Incurred for April 2020 to September 2020 (Rs. In Lakhs)	Recurring Cost Incurred for April 2020 to September 2020 (Rs. In Lakhs)
1	Air Pollution Control	208.20	50.72
2	Water Pollution Control	15.20	23.73
3	Noise Pollution Control		
4	Environment Monitoring and Management		16.04
5	Reclamation borrow/mined area		220
6	Occupational Health		1.84
7	Green Belt and Land Environment		23
8	Others (Pl. Specify) Socio-economic Environment		3.23
	Total	**223.4**	**338.56**

	c.	Benefit cost ratio/Internal rate of Return and the year of assessment	:	The construction work is started in the financial year 2010-11and Plant is commissioned in two phases in October 2013 and July 2014.
	d.	Whether (c) includes the cost of environmental management as shown in the above	:	Yes
	e	Actual expenditure incurred on the project so far	:	Rs. 3904.50 Crores
	f.	Actual expenditure incurred on the environmental management plans	:	Capital Cost : Rs. 223.4 Lakhs Recurring Cost : Rs. 338.56 Lakhs

		from April 2020 to September 2020.		**Total : Rs. 561.96 Lakhs**
10	Forest land requirement			
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not applicable, since the Unit is located in MIDC Industrial Area, Tadali, Chandrapur.
	b.	The status of clearing felling	:	Not applicable
	c.	The status of compensatory afforestation, if any	:	Not applicable
	d.	Comments on the viability & sustainability of compensatory afforestation programme in the light actual field experience so far	:	Not applicable
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information		:	Not applicable
12	Status of construction			
	a.	Date of commencement (Actual and/or planned)	:	June 2010
	b.	Date of completion (Actual and/of planned)	:	July 2014
13	Reasons for the delay if the project is yet to start		:	Work is completed.
14	Dates of site visits			
	a	The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	Nil
	b.	Date of site visit for this monitoring report.	:	--
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits. (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.)		:	DIL is regularly submitting Half Yearly Compliance Reports since beginning.

For **DHARIWAL INFRASTRUCTURE LTD.**

(Authorized Signatory)

ANNEXURE-1

SALIENT FEATURES

1.0 Salient Features of the Project

- It is a coal based Thermal Power Plant (TPP) of capacity @ 2 x 300 MW. The requirement of coal is 3.0 Million TPA and full-fledged coal handling plant is installed in the Unit.
- Auxiliary fuel, LDO is stored in 2 X 1000 m^3 storage capacity tank.
- Total fresh water requirement is 19.272 Million KL Per Annum and it is fulfilled from Wardha River.
- Rail infrastructure & Road network is adequately available.
- The 400 KV Sub-Station - Chandrapur is located at 7.0 km towards East direction and connected for power evacuation.
- The ash handling system comprising dry extraction by pneumatic conveying system has been provided, Ash bund of adequate capacity is also provided. Ash disposal as per Fly Ash Notification Nov. 2008 is in progress.
- The operation of 2 x 300 MW TPP is started with all pollution control systems.

2.0 Salient Features of Environment Management Plan.

Adequate pollution control measures with latest pollution control system are installed in the Plant.
The EMP has been prepared to further mitigate the impacts, if any, on environment due to the Unit and to ensure that the study area will be well conserved during construction and operation phase of the TPP.

2.1.1 Construction Phase

- Constuction Phase is over in year 2014 and Plant (both Unit-1 and Unit-2) was commissioned on February 2014 and August 2014 respectively.

2.1.2 Operation Phase

2.1.2.1 Land Environment

The EMP for land environment is to scientifically utilize the capabilities of different plant species for attenuation of particulate and noise. Further, afforestation programme & green belt development programme is in progress on priority.

- The tree species selected for plantation are as per the CPCB Guidelines.
- Tree species are selected considering tolerance to specific conditions or alternatively wide adaptability to eco-physiological conditions.
- Fly ash is directly supplied to cement plants. Bottom Ash is given to surrounding Brick Manufacturers.

- ❖ 100% Ash utilization is achieved and maintained.
- ❖ Abandoned quarries/mines in the region will be studied for filling and leveling by bed ash if required.
- ❖ All Hazardous Waste generated are disposed off to authorized Recycler or CHWTSDF as per their nature within stipulated time as per Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2016.

21.2.2 Air Environment

Generation of ambient air quality data helps to develop sustainable environment. Following measures are carried out for further environmental improvements:

- ❖ A system is developed for the regular check up and efficient maintenance of all the pollution control arrangements.
- ❖ Truck/wagon unloading operations are regularly supervised to reduce fugitive emissions.
- ❖ A green belt around the plant site and plantation within the plant premises especially around the possible sources of fugitive emissions is carried out
- ❖ For reduction of fugitive emissions we have concreted most of our major roads. Roads sprinklers are provided in CHP area to reduce fugitive emission during vehicle movement. Besides, water tankers are also provided to sprinkle water on roads. Roads are also cleaned periodically. Water sprinklers are also provided in Coal yard to reduce fugitive emission.
- ❖ Conveyors are covered all along the length and transfer points, to prevent fugitive emission.
- ❖ Dry Fog Dust Suppression System and Dust Extraction Systems has been installed at all transfer points in CHP.

2.1.2.3 Noise Environment

- ❖ The operator's cabins and control rooms are properly acoustically insulated with special doors and observation windows.
- ❖ Noise attenuating devices like ear plug and ear muffs are provided to protect the workers from high noise levels.
- ❖ Walls and ceilings are lined with sound absorbing materials, wherever required.
- ❖ The vent valves are equipped with silencers.

2.1.2.4 Water Environment

- ❖ The water conservation scheme is implemented in different sections/ operations so as to reduce water requirements.
- ❖ Regular monitoring and quantification of water requirement at various operations/sections is carried out.
- ❖ Rain water harvesting is carried out inside plant premises.
- ❖ All the pipeline/taps leakage is promptly attended to.

2.1.2.5 Socio-Economic Environment

Environmental Management Plan (EMP) is prepared considering the impacts which have manifested as a result of the ongoing activities i.e. existing socio-economic profile in the study area. The details are given below

- Though there is limited direct employment required in the TPP, still the local people are given opportunities for indirect jobs and business in the project.
- All workers, labours & staff are provided with personal protective appliances (PPEs') and safety gadgets.
- Social welfare programmes with reference to health, education, water conservation, income generation are organized in the nearby villages.
- For all the social welfare activities to be undertaken by the authorities, collaboration and consultation is sought with the local administration, grampanchayat, block development office, NGOs etc. for better co-ordination.
- Rest rooms, canteen, drinking water etc near the work place are provided for contract labours as well as transporters.

ENCLOSURE-9

RP-Sanjiv Goenka Group
Growing Legacies

Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rpsg.in

Ref: DIL/HSE/F-05/20-21/08

Date:21.04.20

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

Sub : Submission of Annual Ash Generation & Utilization report for the period from 1st April 2019 to 31st March 2020.

Ref : Fly Ash Notification: 14th Sept. 1999, 3rd Nov. 2009 & 25th Jan. 2016.

Dear Sir,

This is with reference to the above notifications, please find attached herewith, the compliance of ash generation & utilization report for the period from 1st April 2019 to 31st March 2020, in the prescribed format for your ready reference.

We hope you will find the same in order.

Thanking you,

Yours faithfully,
For **Dhariwal Infrastructure Limited.**

(Goutam Ghosal)
Station Head

Encl: As above.

CC:

1. The Member Secretary,
   Central Pollution Control Board,
   Parivesh Bhawan, East Arjun Nagar
   New Delhi-110032.
2. Dr. S.K. Palliwal, Scientist-D, IPC-II,
   Central Pollution Control Board,
   Parivesh Bhawan, East Arjun Nagar,
   New Delhi-110032.
3. Member Secretary,
   Maharashtra Pollution Control Board
   4th Floor, Kalpataru Point,
   Sion(E), Mumbai-400022.
4. The Regional Officer,
   Maharashtra Pollution Control Board
   Udyog Bhawan 1st Floor,
   Near BusStand,Chandrapur-442401

Fly Ash Notification S.O. 2804(E), 3rd November, 2009 – Statutory Compliance Report for the period 01.04.2019 to 31.03.2020

S. No.	Item	Reply
1	Name of Thermal Power Station	Dhariwal Infrastructure Limited
2	Full address including Pin code	C-6, MIDC growth centre, Tadali, Chandrapur, Pin:442406.
3	E-mail address	devendra.tripathi@rpsg.in
4	Name of the Nodal Officer (not below the rank of DGM / Dy. CE / or equivalent) dealing with ash/environment management and designation	Goutam Ghosal (Station Head)
5	Contact No.	9561112004
6	Fax No. **Email:**	devendra.tripathi@rpsg.in
7	Capacity of the Thermal Power Station (MW)	600 MW
8	Details of Number of Units and capacity of each unit	2X300 MW
9	Coal / Lignite Consumption in 2019-2020 (in **Million Tonnes**)	2.204908

A. Ash Generation in 2019-2020 (in tonnes).

10	Bottom Ash	74595
11	Fly Ash	669556
	Total A (10 to 11)	**744151**

B. Ash unutilised (in tonnes)

12	Ash Pond disposal	*14650
13	Ash yard	-
14	Ash Dump	-
	Total B (12 to 14)	**14650**

* Due to COVID-19-Janata Curfew and subsequent nationwide lockdown in the month of March 2020, which resulted zero off-take by cement industries (all shutdown). So 14650 MT Fly ash unutilized, which is dumped in Ash pond as Pond Ash.

C. Ash utilization in 2019-2020 (in tonnes)

	Purpose for which ash is utilized	**Target (as per action plan)**	**Actual**			
			From ESP Dry Ash (1)	From Pond Ash (2)	From Bottom Ash (3)	**Total** (1+2+3)
15	Ash dyke raising (if applicable)	-	-	43594	-	43594
16 *	Cement industry	-	622795	-	-	622795
17	Land fill	-	-	24956	4000	28956
18	Own Brick Unit					
19 *	Outside brick Units other than brick kilns	-	30752	616	61861	93229
20 *	Brick Kilns	-	-	-	-	-
21	Own ash based products (other than bricks)	-	-	-	-	-
22	Ash based products (outside)	-	-	-	-	-
23 *	Road and Flyover	-	1359	-	8119	9478

	Embankments					
24 *	Back filling of mines	-	-	-	-	-
25	Agriculture	-	-	-	-	-
26	Ready mix concrete	-	-	-	-	-
27	Asbestos	-	-	-	-	-
28 *	Exports	-	-	-	-	-
29	Others (please specify)	-	-	-	-	-
	Total C (15 to 29)		654906	69166	73980	G. Total: 798052

D. Reasons for variation from the target

1.
2.
3.

E. Remedial Measures taken

1.
2.
3.

F. Quantity in ash pond

30.	Estimated quantity of Pond ash in active ash pond (pond in use) as on 31.03.2020 (in **Million Tonnes**)	0.014650 {Due to COVID-19-Janata Curfew and subsequent nationwide lockdown which resulted zero off-take by cement industries (all shutdown). So 14650 MT Fly ash unutilized, which is dumped in Ash pond as Pond Ash}

G. Ash Pond Details

31	Total area ear marked for ash ponds (ha)	Forest Area	Non Forest Area	Total
32	Ash ponds already filled dup and reclaimed (ha)	-	-	-
33	Ash ponds already filled up but yet to be reclaimed (ha)	-	-	-
34	Ash ponds in use (ha) (Active ash ponds)	-	39.7	-
35	Area earmarked for ash ponds but ash ponds yet to be constructed (ha)	-	-	-

H. Dry ash collection facilities

36	Dry fly ash collection facility available	Yes
37	If yes, how many units	2

I. Dry fly ash storage

38	Daily Ash Generation (TPD)	Capacity of storage as on 31.03.2020 (tonnes)	Capacity proposed if any in 2019-2020 (tonnes)
	3620 (Maximum generation during full load)	3280	Nil

J. Capital Expenditure (Rs. Lakhs)

	Item	Item Expenditure in 2019-2020 (Rs. Lakhs)	Budgetary provision in 2019-2020 (tonnes)
39	Bottom Ash collection facility	Facility already exists	Not required as Facility already exists

40	Dry fly ash storage	Facility already exists	Not required as Facility already exists

K. Dispute Settlement Committee

41	No. of meetings held in 2019-2020	If no meetings were held, reason for the same
	Total three meetings has been conducted in last one year. Fourth meeting in the month of March 2020 could not be conducted due to COVID-19-Janata Curfew and subsequent nationwide lockdown.	There is no major dispute observed so far among the Unit and Fly ash carriers during last one year.

L. Provision regarding supply to the brick kilns

42	Whether the Thermal Power Station is maintaining month-wise records of ash made available to each brick kiln	Not supplying to brick kilns		
43	If yes, how many brick kilns have been supplied with fly ash	Nil		
	Mode of transport of Ash: Truck / Trailer / Closed Container / Covered with Tarpaulin / Open	44	Dry ash	N/A
		45	Wet Ash	N/A

M.Promotional Measures

		No. of meetings / workshops exhibition held during 2019-2020	Amount spent in 2019-2020 (Rs. Lakhs)	Outlay for 2019-2020 (RS. Lakhs)
46	Public Awareness Campaign	4	Not Assessed	
47	Exhibitions	-		
48	Seminars / Workshops	1		
49	Advertisement in Newspapers	-		
50	TV / Radio Advertisements	-		
51	TV / Radio Advertisements	-		
	Total M (46 to 51)	5		

52. Administrative Measure taken

S. No.	Administrative Measure	Outcome
(i)	Meeting with brick manufacturers	3
(ii)	Meeting with State Government / Agencies	Regular meetings with prospective user's i.e Cement plant officials, Brick Manufacturers, PWD authorities and mining authorities of nearby area.
(iii)	Any other measure (please specify)	

Signature of the Plant Head

Name: Goutam Ghosal
Designation: Station Head
Date: 21.04.2020

Enclosure-10

ENCLOSURE -II

GOVERNMENT OF INDIA
Ministry of Water Resources
CENTRAL GROUND WATER BOARD
CENTRAL REGION, N.S.Building, Civil Lines
NAGPUR – 440 001 (M.S)

Tel : 0712-2534415, 2565314,2553570
Fax: 0712-2564391

No. CGWA/CR/DHARIWAL/2011-12/ 3685 Dated: 4.8.2011

To,

Chief Operating Officer
Dhariwal Infrastructure Limited
Room - 609 B, Lokmat Bhawan,
Wardha Road, Ramdaspeth
Nagpur – 440 012

Sub: Approval of Rainwater Harvesting Scheme for M/s Dhariwal Infrastructure Limited, Chandrapur.

Ref: Your letter No. DIL/EMD/011 dated 12 July 2011.

Sir,

With reference to above cited subject, is to inform that your proposal for Rain Water Harvesting for the 2 x 300 MW Thermal Power Project at Tadali, District - Chandrapur is technically approved and RECOMMENDED for its implementation with the following comments / recommendations.

1. The average annual rainfall in the area is about 1250 mm and therefore, about 11,72,500 cubic metres of rainwater can be harvested annually in the project area considering 30 % losses. All efforts must be made to harvest this huge quantum of rain water in the existing tank of size 150 m X 150 m X 6 m and the additional tanks proposed in the project area. Also, as proposed, the deepening of the existing tank may be carried out to enhance its storage capacity. This harvested water can be used for activities like greenbelt development and dust suppression as proposed.

2. Since the area is underlain by Talchir shale which bears the low ground water storage and yield potential, possibilities may also be explored for recharging of deeper aquifers comprising of sandstone which has good storage potential. Recharge wells can be constructed within the existing and proposed storage tanks for direct recharging of deeper aquifers.

3. As mentioned in the project proposal, there exist two large diameter open dug wells in the power plant area. Possibilities may also be explored for direct recharging of the shallow aquifer through these two dug wells by placing suitably designed filter.

4. After the completion of the project, selected photographs of the entire rain water harvesting project implemented shall be sent to this office for perusal and record.

5. For any technical guidance during the course of implementation of the RWH project, this office may be consulted.

Yours faithfully

(PRADEEP DUBE) 4/8
Regional Director

ENCLOSURE -12

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
प्लाट संख्या 36-37, वार्ड संख्या 38, राठी लेआउट, राष्ट्रभाषा मार्ग, वर्धा
वर्धा- 442001
Plot no. 36-37, Ward no. 38, Rathi Layout, Rashtrabhasha Road, Wardha-(Maharashtra),
Wardha - 442001

Regd/AD

E-mail dyccewardha@explosives.gov.in
Phone/Fax No 7152230370

संदर्भ /No P/HQ/MH/15/6129 (P294572)

दिनांक /Dated 15/01/2018

सेवा में /To

M/s. Dhariwal Infrastructure Ltd.,
C-6 Tadali,MIDC Growth Centre,,
NA,
Tadali,
Chandrapur,
Taluka: Nagbhir,
District: CHANDRAPUR,
State: Maharashtra
PIN: 442406

विषय /Sub Plot No, Plot No.C-6,, M.I.D.C.Tadali,, Village-MIDC Tadali,, Taluka: Chandrapur, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 में स्थित विद्यमान पेट्रोलियम वर्ग C अधिष्ठापन से अनुज्ञप्ति सं P/HQ/MH/15/6129 (P294572) के नवीकरण के संदर्भ में ।
Existing Petroleum Class C Installation at Plot No, Plot No.C-6 , M.I.D.C.Tadali,, Village-MIDC Tadali,, Taluka: Chandrapur, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 - Licence No P/HQ/MH/15/6129 (P294572) Renewal regarding

महोदय /Sir

कृपया आपके पत्र क्रमांक Nil दिनांक 30/11/2017 का अवलोकन करें ।
Please refer to your letter No Nil, dated 30/11/2017

अनुज्ञप्ति संख्या P/HQ/MH/15/6129 (P294572) दिनांक 23/01/2013 को दिनांक 31/12/2022 तक नवीनीकृत कर इस पत्र के साथ अग्रेषित की जा रही है ।
Licence No. P/HQ/MH/15/6129 (P294572) dated 23/01/2013 is forwarded herewith duly renewed upto 31/12/2022

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई पद्धिया का कड़ाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को प्रेषित करें ।
Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.

कृपया पावती दें।
Please acknowledge the receipt

भवदीय /Yours faithfully

(श्रीमती विजया संजय बारदेव)
(Mrs. Vijaya Sanjay Bardeo)

Dy. Controller of Explosives
उप विस्फोटक नियंत्रक
For Controller of Explosives
वर्धा/Wardha

(अधिक जानकारी जैसे शुल्क का ब्यौरा, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट http://peso.gov.in देखें)
(For more information regarding status fees and other details please visit our website http://peso.gov.in)

प्रपत्र XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भण्डारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.) P/HQ/MH/15/6129(P294572) फीस रुपए (Fee Rs.) 15000/- per year

M/s. Dhariwal Infrastructure Ltd., C-6 Tadali,MIDC Growth Centre,, NA, Tadali, Chandrapur, Taluka: Nagbhir, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 को [illegible] तथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम 2000.00 KL आयात करने के लिए और उसका नीचे वर्णित और अनुमोदित नक्शा संख्या P/HQ/MH/15/6129(P294572) दिनांक 29/10/2014 को कि इसमें उपदर्शित है में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए यह अनुज्ञप्ति अनुदत्त की जाती है ।

Licence is hereby granted to M/s. Dhariwal Infrastructure Ltd., C-6 Tadali,MIDC Growth Centre,, NA, Tadali, Chandrapur, Taluka: Nagbhir, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 valid only for the importation and storage of 2000.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/MH/15/6129(P294572) dated 29/10/2014 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence

यह अनुज्ञप्ति 31st day of December 2022 तक प्रवृत्त रहेगी ।
The Licence shall remain in force till the 31st day of December 2022

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	2000.00 KL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	2000.00 KL

January 23, 2013

For Chief Controller of Explosives
HQ, Nagpur

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशेषताएं संलग्न अनुमोदित नक्शे में दिखाई गई हैं Plot No: Plot No.C 6,, M.I.D.C Tadali,, Village-MIDC Tadali,, Taluka: Chandrapur, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 स्थान पर अवस्थित है तथा उसमें निम्नलिखित Two aboveground petroleum class C(FO/LDO) storage tanks togetherwith connected facilities, सम्मिलित है ।

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Plot No.C-6,, M.I.D.C.Tadali,, Village-MIDC Tadali,, Taluka: Chandrapur, District: CHANDRAPUR, State: Maharashtra, PIN: 442406 and consists of Two aboveground petroleum class C(FO/LDO) storage tanks togetherwith connected facilities, together with connected facilities

अनुज्ञप्ति संख्या-(Licence No.) P/HQ/MH/15/6129 (P294572)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति बिना किसी छूट के दस वर्ष की अवधि के लिए होगी । This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीनीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञप्ति प्राधिकारी के हस्ताक्षर और मोहर Signature and office stamp of the licensing authority
1)	10/01/2014	31/12/2014	Sd/- C G Kulambe Dy. Chief Controller of Explosives For Controller of Explosives Wardha
2)	13/03/2015	31/12/2015	Sd/- H K Sharma Controller of Explosives Wardha
3)	12/01/2016	31/12/2016	Sd/- H K Sharma Controller of Explosives Wardha
4)	29/12/2016	31/12/2017	Sd/- H K Sharma Controller of Explosives Wardha
5)	15/01/2018	31/12/2022	Mrs. Vijaya Sanjay Bardeo Dy. Controller of Explosives For Controller of Explosives Wardha विस्फोटक नियंत्रक, वर्धा Controller of Explosives, Wardha

यदि अनुज्ञप्ति परिसर इससे उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन शर्तों और नियमों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चात्वर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा ।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given in the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both

ENCLOSURE -13

THE TIMES OF INDIA, NAGPUR *
FRIDAY, JANUARY 22, 2010

PUBLIC NOTICE

This is to inform all the concerned that 2 x 300 MW Coal Based Thermal Power Plant Project of Dhariwal Infrastructure (P) Ltd in MIDC Industrial Area, Village-Tadali, Dist-Chandrapur Maharashtra has been accorded Environmental Clearance and a copy of Clearance Letter is available with Maharashtra Pollution Control Board and also at website of Ministry of Environment and Forest at http://envfor.nic.in

DHARIWAL INFRASTRUCTURE PVT. LTD.

लोकमत
शुक्रवार, दि. २२ जानेवारी २०१०

जाहीर सूचना

संबंधित नागरिकांना सूचित करण्यात येते की धारीवाल इन्फ्रास्ट्रक्चर यांच्या एम.आय.डी.सी. औद्योगिक वसाहत, गाव - तडाली, जि. चंद्रपूर, महाराष्ट्र येथील कोळशावर आधारित २x३०० मेगावॅट विद्युत प्रकल्पाकरिता पर्यावरणविषयक मंजुरी प्राप्त झालेली आहे व ह्याची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळ, यांचे कार्यालयात तसेच मिनिस्ट्री ऑफ एन्वहायरनमेन्ट अँण्ड फॉरेस्ट यांच्या वेबसाईटवर (http://envfor.nic.in) वर उपलब्ध आहे.

धारीवाल इन्फ्रास्ट्रक्चर प्रायवेट लिमिटेड

ENCLOSURE -14

Dhariwal Infrastructure Limited

C-6 Tadali Growth Centre,
M.I.D.C.Tadali,
Dist.Chandrapur
Maharashtra - 442 406
Tel.: +91 (7172) 645911
645912
645913
Fax : +91 (7172) 237992

Corp. Office : Room No#609 B, Lokmat Bhavan, Wardha Rd, Ramdaspeth, Nagpur - 440012

Ref. No.: DIL/F- 01/10-11/ Date: 22.09.2011

To,
The Sarpanch,
Gram Panchayat, Morwa,
Taluka, Chandrapur,
District, Chandrapur.

Sub: Submission of copy of EC.

Dear Sir,

We would like to inform you that Dhariwal Infrastructure Limited has received Environmental Clearance from MoEF for setting up 2x300 MW power plant in MIDC Tadali, Chandrapur. We are enclosing copy of the EC for your ready reference.

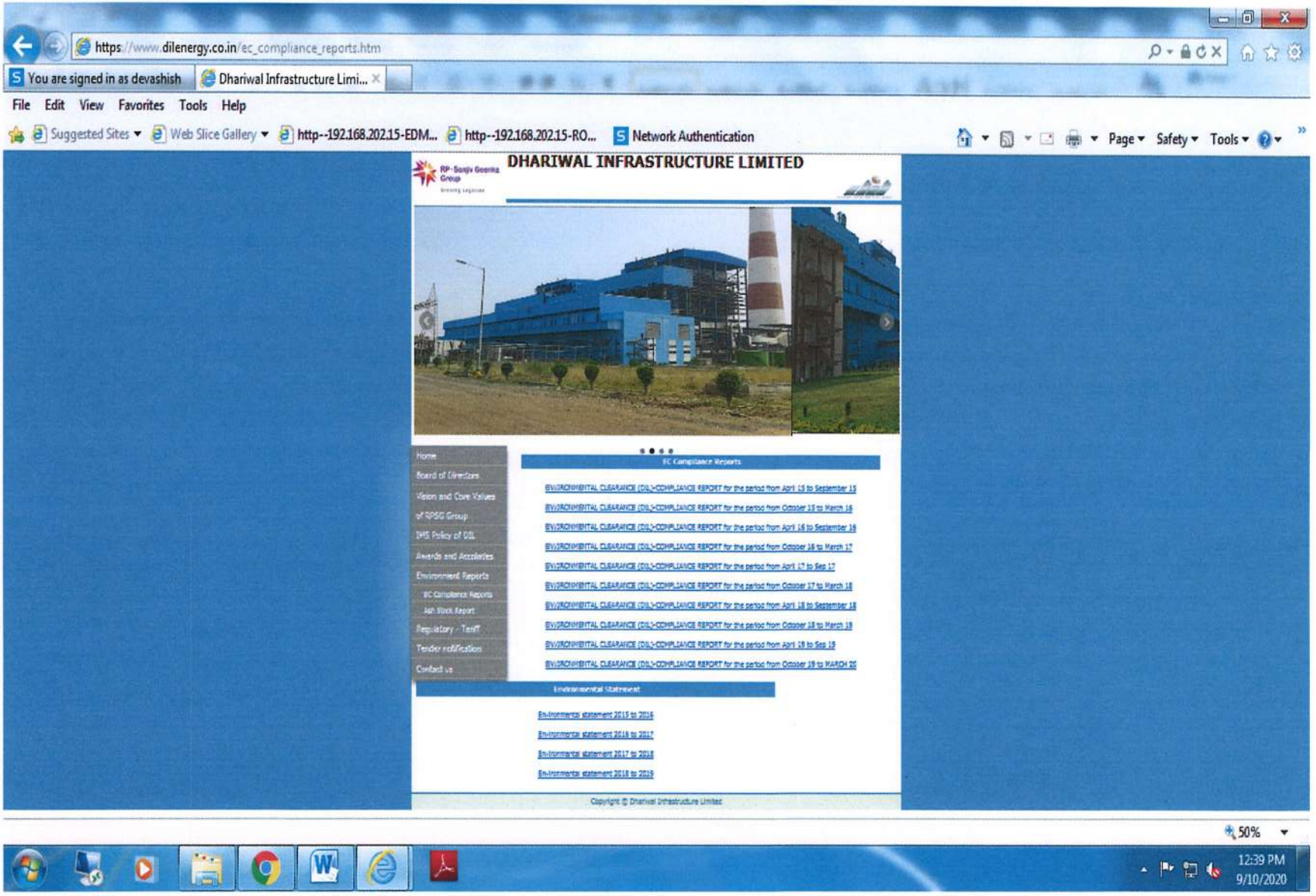
Thanking you,

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

Authorised Signatory

Encl : Copy of EC

Enclosure-15



ENCLOSURE-16

RP-Sanjiv Goenka Group
Growing Legacies

Dhariwal Infrastructure Limited
CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rpsg.in

Ref: DIL/HSE/F-08/19-20/56 Date : 12.09.2020

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

Sub: Submission of Environmental Statement for the financial year ending 31st March 2020.

Dear Sir,

We have submitted online, the Annual Environment Statement for the financial year 2019-20 on EC MPCB Portal. Screenshot of successful submission of Environment Statement (Form-V) on EC MPCB portal along with the copy & annexures downloaded from website are attached herewith for your ready reference.

We hope you will find the same in order.

Thanking you,

Yours Faithfully,
For **Dhariwal Infrastructure Limited.**

Authorized Signatory

CC:

1. The Regional Officer,
   Maharashtra Pollution Control Board,
   1st Floor, Udyog Bhawan,
   Chandrapur (Maharashtra).
2. Sub Regional Officer,
   Maharashtra Pollution Control Board,
   1st Floor, Udyog Bhawan,
   Chandrapur (Maharashtra).

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000025873

Submitted Date
11-09-2020

Company Information

Company Name
Dhariwal Infrastructure Limited

Application UAN number
MPCB-CONSENT-0000059605

Address
Dhariwal Infrastructure Limited, Plot No.C-6, C-7 & C-8,
Tadali Growth Centre , MIDC Tadali,
Chandrapur-442406, Maharashtra.

Plot no
C-6, C-7 & C-8

Taluka
Tadali Industrial area MIDC

Village
Tadali

Capital Investment (In lakhs)
388886

Scale
LSI

City
Chandrapur

Pincode
442406

Person Name
Soumen Barua

Designation
General Manager

Telephone Number
9307900152

Fax Number
07172237992

Email
dil.hse@rpsg.in

Region
SRO-Chandrapur

Industry Category
Red

Industry Type
R48 Thermal Power Plants

Last Environmental statement submitted online
yes

Consent Number
Format 1.0/ BO/CAC-Cell/UAN No. 0000059605 /CAC-1902000294

Consent Issue Date
06.02.2019

Consent Valid Upto
31.12.2020

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Electricity Generation	5256000	3378092	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
0	0	0	Mwh

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	5280	1317
Cooling	49440	18780
Domestic	40	38
All others	0	0
Total	54760	20135

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	7776	866	CMD
Domestic Effluent	32	31.8	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	2.24	2.18	CMD

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	0.640151	0.652708	
LDO	0.00000023292	0.00000018462	
Hydrochloric Acid	0.00005263	0.00005690	
Caustic Lye	0.00003211	0.00003144	
Sulphuric Acid	0.000317	0.000257	
Sodium Hypochlorite	0.000284	0.0000961	
Alum	0.0000057	0.0000129	
Lime	0.00000277	0.00000236	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	4029600	2204908	MT/A
LDO	4066	623.67	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)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Our Industry is ZLD	0	0	0	2100	0

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Stack-1 (Particulate Matter)	402	26.6	0	50	0
Stack-2 (Particulate Matter)	736	30.9	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 or spent oil	15.4	67.72	MT/A
35.2 Spent ion exchange resin containing toxic metals	0	0	MT/A
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	37	Nos./Y
Other Hazardous Waste	0	103	Nos./Y

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sluoge from waste water treatment	0	0.24	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	622514	669556	MT/A
BOTTOM ASH	68085	74595	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 or spent oil	67.72	MT/A	Well below the norms, Testing reports attached.
35.2 Spent ion exchange resin containing toxic metals	0	MT/A	0
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	37	Nos./Y	Well below norms
Other Hazardous Waste	103	Nos./Y	It is Battery Waste

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	669556	MT/A	NA
BOTTOM ASH	74595	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)
2015-16	0	0	0	0	0	0

2016-17	1284	37686	0	8.32	386	4155
2017-18	458	0	298 Kg/day	8376435	503	0
2018-19	973	0.88	0	0	596.46	0
2019-20	553	0.46	0	844523000	483.5	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 (Lacks)***
Partition of ash pond for continuous lifting of bottom ash, Construction of roads, Installation of DFDS systems, PROCUREMENT OF E-RICKSHAW FOR MILL REJECT HANDLING, Construction of coal sampling r	Expenditure made on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures.	483.55

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
FIRE FIGHTING MONITORING SYSTEM, CONSTRUCTION OF ROADS AND DRAINS(CONSTRUCTION OF PAVER BLOCK ROADS & CONCRETE ROADS (INSIDE PLANT), U-1 AMMONIA DOSING, RAIN WATER HARVESTING, HAZARDOUS GAS DETECTION	Expenditure proposed for on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures.	342.77

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

Particulars

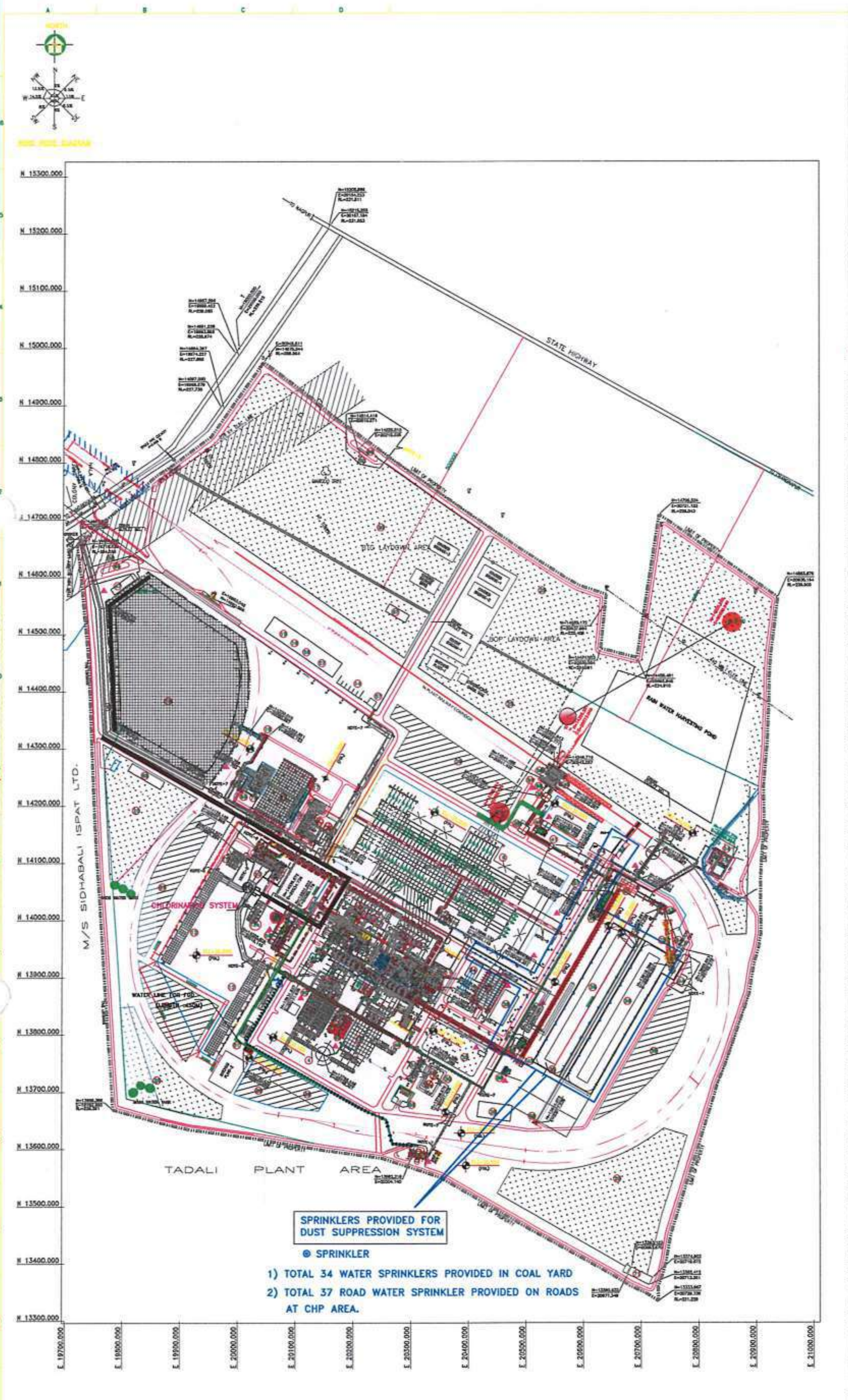
Factory has already implemented all the necessary pollution control measures. Green belt development programme is a regular feature.

Name & Designation

SOUMEN BARUA, GENERAL MANAGER

Enclosure-17

Enclosure - 18



NOTES:

1. ALL GRIDS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS ARE WITH RESPECT TO TG BUILDING GROUND FLOOR LEVEL EL(±)0.00 CORRESPONDS TO RL.224.50m.
3. ACCESS ROADS SHALL BE PROVIDED TO ALL BUILDINGS WITH SUFFICIENT WIDTH.
4. STRAND JACK SHALL BE LOCATED AT THIS MARKED POINT AND 13m HAS BEEN MAINTAINED BETWEEN FROM 'A' ROW COLUMN TO STRAND JACK LOCATION.
5. ROADS AND DRAINS TO BE MODIFIED TO SUIT THE PLOT PLAN AND TO AVOID INTERFERENCE WITH CW PIPE MANHOLE. DL TO MODIFY.
6. WEIGH BRIDGE-1 AND CONTROL ROOM LOCATED IN NORTH WEST SIDE OF THE RESERVOIR PLEASE CHECK THE ROAD LAYOUT WITH RESPECT TRUCK CURVATURE MOVEMENT AND MODIFY ACCORDINGLY.
7. STORM WATER DRAINS SHALL BE REVISED TO AVOID INTERFERENCE WITH PIPES. DL TO MODIFY.
8. ROAD APPROACH TO BE PROVIDED BY DL.
9. ROAD LAYOUT SHALL BE AS PER SWITCHYARD LAYOUT. DL TO MODIFY.
10. ROAD APPROACH TO 'A' ROW TO BE DELETED.

LEGEND:

- FGL – FINISHED GROUND LEVEL
- FPL – FINISHED PAVING LEVEL
- BOUNDARY LIMIT
- 440 VOLT ELEC. LINE
- 220 KV. ELEC. LINE
- TRACK
- ROAD
- GREEN BELT

HOLD:

- HOLD-1: NOTE NO.5
- HOLD-2: NOTE NO.6
- HOLD-3: NOTE NO.7
- HOLD-4: NOTE NO.8
- HOLD-5: NOTE NO.9
- HOLD-6: NOTE NO.10

REFERENCE DWGS:

1. LB-GEDE-09043-G-00010-001 – PLOT PLAN
2. LB-GEDE-09043-C-44672-001 – LAYOUT OF ROADS AND DRAIN
3. LB-GEDE-09043-G-00010-001 – PLOT PLAN OPTION 1
4. 50-F378C-J01-22 – ARRANGEMENT PLAN AT GROUND FLOOR IN THE TURBINE HOUSE
5. 50-F378C-J01-20 – GENERAL PLAN ARRANGEMENT OF MAIN BUILDING
6. TCE.8183A-100-S1-8001 (REV-4) – LAYOUT OF ROAD (SHEET-1)
7. TCE.8128A-100-SI-8006 (REV-5) – LAYOUT OF STORM WATER DRAIN

No.	DESCRIPTION	REMARKS
1	POWER HOUSE	
2	BOILER	
3	ELECTOR STATIC PRECIPITATOR	
4	STACK	
5a	UNIT TRANSFORMER	
5b	STATION TRANSFORMER	
5c	GENERATOR TRANSFORMER	
6	400 KV SWITCH YARD	
7	C.W.PIPE CORRIDOR	
8	C.W. PUMP HOUSE	
9	CT SWITCHGEAR ROOM	
10	C.W.P.H. FORE BAY	
11	TECHNICAL BUILDING	
12	COOLING TOWER	
13	CT/CW TREATMENT AREA	
13a	SIDE STREAM FILTER	
14	PARKING	
15	ADMINISTRATION BUILDING	
16	SECURITY/GATE HOUSE	
17	CLARIFIED WATER CUM FIRE WATER PUMP HOUSE, SWITCHGEAR ROOM & CONTROL ROOM	
18	RAW WATER RESERVOIR	
19	RAW WATER PUMP HOUSE	
20	PRE TREATMENT PLANT	
21	D.M.PLANT SWITCHGEAR ROOM CUM CONTROL ROOM	
22	D.M.W.TANKS	
23	GUARD POND/CMB & PUMP HOUSE	
24	EFFLUENT TREATMENT PLANT & SWITCHGEAR ROOM	
25	GREEN BELT	
26	CANTEEN	
27	FIRST AID BUILDING	
28	OPEN STORAGE YARD	
29	EQUIPMENT FABRICATION/ASSEMBLY YARD	
30	FUEL OIL STORAGE AREA	
31	FUEL OIL PUMP HOUSE & SWITCHGEAR ROOM	
32	SPACE FOR F.G.D	
33	AHP COMPR. ROOM & CONTROL ROOM	
34	~~CENTRAL CONTROL ROOM~~	DELETED
35	COAL STACKER CUM RECLAIMER	
36	CRUSHED COAL STOCKPILE	
37	CRUSHER HOUSE	
38	TRANSFER HOUSE	
39	CHP CONSTRUCTION AREA	
40	WAGON TIPPLER	
41	PENT HOUSE	
42	JUNCTION TOWER	
43	~~SERVICE WATER OVERHEAD TANK~~	DELETED
44	BULLDOZER SHED	
45	ESP SWITCHGEAR ROOM & CONTROL ROOM	
46	CHP SWITCHGEAR ROOM & CONTROL ROOM	
47	TIME OFFICE	
48	~~DG BUILDING~~	DELETED
49	PIPE RACK	
50	WEIGHBRIDGE CONTROL ROOM	
51	H2/CO2 STORAGE BUILDING	
52	CLARIFIED WATER TANK	
53	SWITCH YARD & CONTROL ROOM	
54	O&M CANTEEN	
55	FUEL OIL UNLOADING AREA	
56	ASH SLURRY & ASH WATER PUMP HOUSE AND SWITCHGEAR ROOM	
57	FIRE STATION	
58	DRIVE HOUSE	
59	WAGON TIPPLER CONTROL ROOM	
60	CONDENSATE STORAGE TANK & DM WATER FEED PUMPS	
61	MAIN PLANT COMPRESSOR, DG, SWGR. CUM CONTROL ROOM	
62	ASH SILO	
63	SPACE FOR PT PLANT SLUDGE	*
64	~~SPACE PROVISION FOR TRACK HOPPER~~	DELETED
65	STORE	
66	WEIGHBRIDGE-STORE & ASH	
67	SITE OFFICE FOR BTG & BOP CONTRACTORS	
68	SLUDGE HANDLING AREA	
69	TEMPORARY SITE OFFICE (DIPL & CONSULTANT)	
70	FIRE WATER BOOSTER PUMP HOUSE	
71	33kV SUBSTATION FOR CONSTRUCTION POWER WITH 1000kVA DG SPACE	
72	NEUTRALISATION PIT	
73	CHEMICAL HOUSE & SWITCHGEAR ROOM (PT PLANT & RW PH)	
74	SEWAGE TREATMENT PLANT	
75	SPACE PROVISION FOR RECLAIM HOPPER	
76	~~AIR WASHER ROOM~~	
77	~~HYDROGEN~~	DELETED
78	~~DM CHLORINATION~~	DELETED
79	~~CONTROL ROOM (DM PLANT, CT & CW PUMP HOUSE)~~	DELETED
80	SDA,MD,SAC TANK	
81	CHEMICAL REGENARATION ROOM	
82	CHEMICAL STORE ROOM	
83	COT & DOT (COMMON FOR TWO UNITS)	
84	COAL PILE RUN OFF PIT	
85	ASH SLURRY PIPE CORRIDOR	
86	CHLORINATION SYSTEM	
87	33KV STEP-UP SUBSTATION FOR RIVER WATER INTAKE PUMP HOUSE	

No.	DESCRIPTION	REMARKS
88	TOILET NEAR WAGON TIPPLER AREA	
89	PUMP HOUSE FOR DUST SUPPRESSION SYSTEM	
90	AIR RECEIVERS FOR FLY ASH CONVEYING	

REV. NO.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
6	22.01.13	REVISED AS MARKED AND GENERALLY REVISED	[illegible]	[illegible]	[illegible]
5	22.08.11	REVISED AS MARKED AND GENERALLY REVISED	[illegible]	[illegible]	[illegible]
4	07.04.11	GENERALLY REVISED AND AS MARKED	[illegible]	[illegible]	[illegible]
3	30.11.10	REVISED AS PER MOM DATED [illegible]/11/2010 AND AS MARKED	[illegible]	[illegible]	[illegible]
2	13.10.10	REVISED AS MARKED	[illegible]	[illegible]	[illegible]
1	06.10.10	REVISED AS PER MOM DATED [illegible]/2010 AND GENERALLY REVISED	[illegible]	[illegible]	[illegible]
0	06.08.10	FOR APPROVAL	[illegible]	[illegible]	[illegible]

OWNER.
DHARIWAL INFRASTRUCTURE (P) LIMITED,

OWNER CONSULTANT.
TATA CONSULTING ENGINEERS LIMITED
KOLKATTA

BOP CONTRACTOR.
PUNJ LLOYD LIMITED
HYDERABAD

BOP CONTRACTOR'S CONSULTANT.
FICHTNER
CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED.
CHENNAI, INDIA

PROJECT.
2 x 300 MW COAL BASED TPP
CHANDRAPUR

TITLE
PLOT PLAN

SHEET: 1 OF 1 | DRAWING NO.: DP-00UE-01-002 | REV.: 7

SCALE: 1:5300 | DATE: 13.07.10

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Photographs of Plantation inside Plant Premises