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Form for Uploading Compliance Report

Proposal No :	IA/MH/THE/19991/2009	**Proposal Name :**	2x300 MW coal Based Thermal Power Plant
Category :	Thermal Projects	**MoEF File No. :**	J-13011/10/2009-IA.II (T)

Compliance Letter/Report

Year of Compliance: -All Years-

Date of Compliance * : Select

Remarks :

Upload Compliance Letter/Report * : Choose File No file chosen **(.pdf only)**

SUBMIT

Sno.	Proposal No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
1	IA/MH/THE/19991/2009	0529202147136049DIL-SixmonthlyECComplianceReportOct-20toMar-21.pdf	DIL EC Compliance Oct'20 to Mar'21	29/05/2021	
2	IA/MH/THE/19991/2009	1128202134841387DIL-SixmonthlyECComplianceReportApr-21toSept-21.pdf	DIL Six Monthly EC Compliance Report Apr 21 to Sept 21	28/11/2021	
3	IA/MH/THE/19991/2009	0526202291136609DIL-SixMonthlyECComplianceReportfortheperiodofOct-21toMar-22.pdf	DIL Six Monthly EC Compliance Report Oct'21 to Mar'22	26/05/2022	

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RP - Sanjiv Goenka Group
Growing Legacies

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

Ref. No.: DIL/HSE/F-09/22-23/ 21 Date: 25/05/2022

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 for the period of 1st October 2021 to 31st March 2022.

Ref.: MoEF, Govt. of India Environmental Clearance No. J-13011/10/2009-IA. II (T) dated 4th December 2009.

Dear Sir,

We are operating 2 x 300 MW Thermal Power Plant M/s Dhariwal Infrastructure Limited at Plot No. C-6, MIDC, Tadali Industrial Area, Chandrapur (M.S.). We are enclosing herewith point wise compliance report of conditions stipulated in Environmental Clearance along with requisite annexures (In soft) granted vide above referred letter for the period of 1st October 2021 to 31st March 2022.

We are making our sincere efforts for creating cleaner and greener environment with-in and outside company premises.

Thanking you,

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

RBarna

Authorized Signatory
Encl.: As above
CC:

1. **The Member Secretary,** Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
2. **The Regional Director,** Central Pollution Control Board, Pune, Maharashtra.
3. **The Member Secretary,** Maharashtra Pollution Control Board, Kalpataru Point, 4th Floor, Sion (E'), Mumbai-400022.
4. **The Regional Officer,** Maharashtra Pollution Control Board, 1st Floor, Udyog Bhawan, Chandrapur-442401, Maharashtra.

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 October 2021 to 31st March 2022

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 Limited has been granted Environmental Clearance for 2 x 300 MW Thermal Power Plant vide MoEF&CC EC No. J-13011/10/2009-IA. II (T) dated 04-12-2009.

Unit -1 of Thermal Power Plant has been installed and commissioned in February 2014 and Unit -2 in August 2014. The MPCB Consent to Operate is valid up to 30.06.2024.

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

2.0 COMPLIANCE STATUS

The conditions stipulated in Environmental Clearance are followed scrupulously. Compliance is reported hereunder for the period from 1st October 2021 to 31st March 2022 in serial order of Environmental Clearance Letter as delineated below.

Sr. No.	Conditions	Compliance Status
(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.	Complied, radial wells are constructed 500 meters away from the nearest habitation.
(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 and Ground water quality in the study area is regularly analyzed. Reports for the compliance period (Oct'21 to Mar'22) are enclosed as **Annexure-1**.
(v)	A Two Bi-Flue stack 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.	A Bi-Flue stack of 275 m height is provided with continuous online monitoring equipment for SOx, NOx and PM. Mercury emissions from stack are also being monitored on periodic basis. Report is enclosed as **Annexure-2**.

(vi)	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm^3.	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 **Annexure-2.**
(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.	Complied. Adequate dust extraction & dust suppression systems are provided in CHP & AHP. Water sprinklers & tanker sprinklers are administered as and when required.
(viii)	Utilization of 100% Fly Ash generated shall be made from 4^{th} year of operation of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Complied, 100% Fly Ash generated is being taken by nearby cement plants and Brick Manufacturers for cement and Bricks manufacturing. Ash generation and utilization details for the period of Oct'21 to Mar'22 are enclosed as **Annexure-3.**
(ix)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from 4^{th} 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.	Complied, 02 no's of fly ash silo of 3280 MT capacity is constructed to handle dry ash. Mercury and other heavy metals are monitored in bottom ash and ash pond effluent. Condition for not using ash disposal in low lying area is omitted vide MoEF& CC (IA Division) Office Memorandum dated 28 August 2019. Heavy metal analysis report is enclosed as **Annexure-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.	Complied, Ash pond is lined with LDP lining such that no leachate takes place at any point of time. Adequate safety measures like proper sloping, boulder pitching, greenbelt development, adequate bund thickness etc. are implemented to protect the ash dyke from getting breached.
(xi)	For disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) it shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State	Noted, will be complied.

	Pollution Control Board well in advance before undertaking the activity.	
(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 as per reduce, reuse and recycle techniques within the operating facility for example dust suppression, Bed Ash quenching, Ash Slurry water make-up purpose etc.
(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.	Our operating facility is based on ZLD (Zero liquid discharge). The treated effluents conforming to the prescribed standards are utilized as per reduce, reuse and recycle techniques within the operating facility. Arrangements are made such that effluents and storm water do not get mixed. Please refer **Annexure-4.**
(xiv)	A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.	Complied, Sewage treatment plant of adequate capacity 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 in which, rain water is regularly collected through natural drains. We have permission from Central Ground Water Board for implementation of rain water harvesting.
(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 is provided. Dedicated fire hydrant system comprised of fire monitors and rain guns have been provided around coal stock yard.
(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	Complied, License from DoE for storage facility of auxiliary liquids is granted, Sulphur content is maintained within the permissible range of 0.5%. Disaster Management Plan is prepared and in place and approved by appropriate authority. DoE license is enclosed as **Annexure-5**.

	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.	We are monitoring Ground water level and Quality inside industry premises and nearby ash pond area periodically. Reports are enclosed as **Annexure-1.**
(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 1,59,893 trees have been planted with a survival rate of not less than 70%. 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. (**Photographs attached as Annexure-6**).
(xx)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Complied during construction phase.
(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.	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

	shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment of any hearing loss including shifting to non noisy/less noisy areas.	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 are periodically examined & we are maintaining audiometric record and for treatment for any hearing loss including shifting to suitable areas is done. The work zone noise results are enclosed herewith as **Annexure-7(A) & 7(B).**
(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.	Complied, regular ambient air quality monitoring from NABL accredited laboratory at six locations is carried out and reports for the compliance period are enclosed as **Annexure-8** and being submitted regularly.
(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.	We are located in Maharashtra Industrial Development Corporation (MIDC) area, hence R & R is not applicable to us.
(xxiv)	An amount of Rs. 12.0 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 3.0 Crore per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within month along with road map for implementation.	Road map is worked out for implementation of CSR activities. A partnership along with Zila Parishad, Chandrapur & UNICEF for improving water & sanitation facilities in ten Gram panchayat, Schools and Anganwadis is done and further work is 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. Details of CSR activities are attached as **Annexure-9.**
(xxv)	As part of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating 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. 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.

		Details of CSR activities are attached as **Annexure-9.**
(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.	Complied during construction phase. 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.	Complied.
(xxviii)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local body and the local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. Copy of DIL Environment Clearance is put in the company website. www.dilenergy.co.in
(xxix)	A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. 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,	Complied. Status of compliance is being uploaded on company's website, www.dilenergy.co.in EC compliance reports are being sent to designated Regulatory Bodies regularly. Criteria pollutant levels are displayed at the main gate of the company for the general public.

	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.	
(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 data to the respective Regional office of MoEF&CC, 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 in Form-V for financial year ending 31st March 2021 is submitted to MPCB. Acknowledged letter copy is enclosed herewith as **Annexure -10.** Copy of the same has been uploaded on company's website, i.e. **www.dilenergy.co.in.**
(xxxiii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.	Complied, six monthly reports are regularly submitted about the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests Regional office, Central Pollution Control Board and State Pollution Control Board. Copy of the same has been uploaded on company's website, i.e. www.dilenergy.co.in.
(xxxiv)	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the	Being Complied, Compliance status has been uploaded on company's website, www.dilenergy.co.in. Criteria pollutant levels are displayed at the main gate of the company.

	additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	
(xxxv)	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Yes, separate funds are allocated for implementation of environmental protection measures. Total Expenses from 1st October 2021 to 31st March 2022 were **279.99 Lakhs** on environment control measures.
(xxxvi)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Plant is in operation. COD for unit #1 was on dated 11 Feb. 2014 & for unit #2 was 02th Aug. 2014. Information has been given to the authorities.
	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.	Noted & 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	Not Applicable to us.

	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.	
(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 utilized in nearby cement plants and Brick Manufacturers 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 available regulatory 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.	Noted, will be 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 infrastructure is not available, road transportation may be undertaken in trucks, covered by tarpaulin or other means.	Coal transportation is being done through Rail. However, transportation of coal by road is carried out by covered truck only as 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	There is a railway siding facility within the plant premises.

	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.	Noted, Being complied

Annexure – 1

GROUND WATER LEVEL STATUS

November - 2021

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	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	**23-11-2021**	2.55	8.05	0.8	**7.25**
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	**23-11-2021**	4.10	8.27	0.8	**7.47**
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	**23-11-2021**	0.16	7.44	0.1	**7.34**
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	**23-11-2021**	6.0	8.15	0.1	**8.05**
5.	**Village- Wandhari**	Borewell Water of Hanuman Mandir	DIL 5	**23-11-2021**	5.0	8.84	0.2	**8.64**
6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	**23-11-2021**	4.95	8.68	0.7	**7.98**
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	**23-11-2021**	4.50	2.75	0.6	**2.15**

8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	**23-11-2021**	3.65	2.41	0.8	**1.61**
9.	**Village- Morwa**	Dugwell near Jagnath Baba Mandir	DIL 9	**23-11-2021**	2.40	2.84	0.8	**2.04**
10.	**Village- Mursa**	Grampanchayat. Dugwell near Z.P. Primary School	DIL 10	**23-11-2021**	7.0	5.3	4.4	**0.90**
11.	**Village- Wadha**	Intake Well	DIL 11	**23-11-2021**	11.0	9.7	0.50	**9.20**
12.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-1	DIL 12	**23-11-2021**	0.12	4.45	0.30	**4.15**
13.	**MIDC,Tadali**	Near Recovery Pump House-II, PZ-2	DIL 13	**23-11-2021**	0.12	2.46	0.30	**2.16**
14.	**MIDC,Tadali**	Ash Pond II, PZ-3	DIL 14	**23-11-2021**	0.12	7.55	0.70	**6.85**
15.	**MIDC,Tadali**	Near Railway Crossing of WB-2, PZ-4	DIL 15	**23-11-2021**	0.12	3.54	0.80	**2.74**
16.	**MIDC,Tadali**	Near ETP Security Post, PZ-5	DIL 16	**23-11-2021**	0.12	3.48	0.90	**2.58**
17.	**MIDC,Tadali**	Near AAQMS Cabin-3, PZ-6	DIL 17	**23-11-2021**	0.12	4.55	0.90	**3.65**
18.	**MIDC,Sakharwahi**	Dugwell Water from Shri Ravindra Bhagwat Farm	DIL 18	**23-11-2021**	3.6	6.28	0.70	**5.58**
Note: All the above Ground Water Level Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab								

February – 2022

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	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	**12-02-2022**	2.55	8.3	0.8	**7.50**
2.	**Village- Sonegaon**	Grampanchayat Dugwell,Near Hanuman Mandir	DIL 2	**12-02-2022**	4.10	8.78	0.8	**7.98**
3.	**Village- Sonegaon**	Borewell of Shri Kundlik Vishwanath Urkude,	DIL 3	**12-02-2022**	0.16	7.71	0.1	**7.61**
4.	**Village- Yerur**	Dugwell of Shri Ravindra Pandurangji Balki	DIL 4	**12-02-2022**	6.0	8.33	0.1	**8.23**
5.	**Village- Wandhari**	Borewell Water of Hanuman Mandir	DIL 5	**12-02-2022**	5.0	9.16	0.2	**8.96**
6.	**Village- Yerur**	Grampanchayat Dugwell near Primary School	DIL 6	**12-02-2022**	4.95	9.04	0.7	**8.34**
7.	**Village- Ghodpeth**	Dugwell of Shiv Mandir	DIL 7	**12-02-2022**	4.50	3.07	0.6	**2.47**
8.	**Village- Tadali**	Grampanchayat Dugwell Near Z. P. Primary School	DIL 8	**12-02-2022**	3.65	2.66	0.8	**1.86**
9.	**Village- Morwa**	Dugwell near Jagnath Baba Mandir	DIL 9	**12-02-2022**	2.40	2.94	0.8	**2.14**

Sr. No. of Villages	Village Name	Details of Locations	Field Code No.	Date of Measurement	Internal Diameter in mtr. (m)	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	**12-02-2022**	7.0	5.32	4.4	**0.92**
11.	**Village- Wadha**	Intake Well	DIL 11	**12-02-2022**	11.0	10.03	0.50	**9.53**
12.	**MIDC, Tadali**	Near Recovery Pump House-II, PZ-1	DIL 12	**12-02-2022**	0.12	4.63	0.30	**4.33**
13.	**MIDC, Tadali**	Near Recovery Pump House-II, PZ-2	DIL 13	**12-02-2022**	0.12	2.58	0.30	**2.28**
14.	**MIDC, Tadali**	Ash Pond II, PZ-3	DIL 14	**12-02-2022**	0.12	7.91	0.70	**7.21**
15.	**MIDC, Tadali**	Near Railway Crossing of WB-2, PZ-4	DIL 15	**12-02-2022**	0.12	3.35	0.80	**2.55**
16.	**MIDC, Tadali**	Near ETP Security Post, PZ-5	DIL 16	**12-02-2022**	0.12	3.26	0.90	**2.36**
17.	**MIDC, Tadali**	Near AAQMS Cabin-3, PZ-6	DIL 17	**12-02-2022**	0.12	4.78	0.90	**3.88**
18.	**MIDC, Sakharwahi**	Dugwell Water from Shri Ravindra Bhagwat Farm	DIL 18	**12-02-2022**	3.6	6.56	0.70	**5.86**
Note: All the above Ground Water Level Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab								

Sr. No.	Parameters	Acceptable / Permissible Limit (IS 10500: 2012)	Concentration		
			Location		
			Dugwell Water, Village- Pandharkawda)	Borewell Water, Village- Sonegaon)	Dugwell Water, Village- Yerur)
			23-11-2021	23-11-2021	23-11-2021
1	pH value	6.5 to 8.5	7.17	7.55	7.18
2	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)
3	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4	Odour	--	Agreeable	Agreeable	Agreeable
5	Total Hardness(as $CaCO_3$) mg/l	300/600	279.4	183.6	136.6
6	Calcium (as Ca) ,mg/l	75/200	76.0	45.1	47.4
7	Total Alkalinity (as $CaCO_3$)mg/l	200/600	211.0	194.1	194.1
8	Chloride (as Cl), mg/l	250/1000	142.8	39.1	39.1
9	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10	Magnesium (as Mg), mg/l	30/100	21.8	17.2	4.4
11	Total dissolved solids, mg/l	500/2000	818	584	503
12	Sulphate (as SO_4), mg/l	200/400	86.59	60.5	55.5
13	Fluoride (as F), mg/l	1.0/1.5	1.20	0.54	0.93
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)
16.	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)

19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab

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)
			23-11-2021	23-11-2021	23-11-2021	23-11-2021
1.	pH value	6.5 to 8.5	7.22	7.53	7.36	7.65
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	289.6	271.3	265.2	261.1
6.	Calcium (as Ca) ,mg/l	75/200	85.8	78.4	71.1	89.9
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	194.1	194.1	185.6	187.7
8.	Chloride (as Cl), mg/l	250/1000	97.8	207.4	28.3	95.4
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	18.3	18.3	14.8	8.92
11.	Total dissolved solids, mg/l	500/2000	712	786	554	785
12.	Sulphate (as SO_4), mg/l	200/400	10.1	77.2	47.7	69.5
13	Fluoride (as F), mg/l	1.0/1.5	1.03	0.37	0.67	0.72
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	0.24	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)

15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)
16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	0.23	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab.

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			
			Ground Water from Intake Well near Wadha Village	Nr. Old Switch Yard, PZ-6	Near Recovery Pump House-I,(Ash Pond) PZ-1	Near Recovery Pump House-II,(Ash Bund) PZ-2
			23-11-2021	23-11-2021	23-11-2021	23-11-2021
1.	pH value	6.5 to 8.5	7.61	7.55	7.22	7.48
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	2	2
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	3	2
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	118.3	159.1	195.8	204.0
6.	Calcium (as Ca) ,mg/l	75/200	35.1	35.1	43.3	57.2
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	105.5	111.8	143.4	145.5
8.	Chloride (as Cl), mg/l	250/1000	30.3	24.4	32.2	50.8
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	8.4	17.3	21.3	16.5
11.	Total dissolved solids, mg/l	500/2000	787	428	385	416
12.	Sulphate (as SO_4), mg/l	200/400	31.6	53.1	53.9	57.5
13	Fluoride (as F), mg/l	1.0/1.5	BDL(*DL 0.2 mg/l)	0.38	0.42	0.19
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)

15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)
16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.1	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

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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
			23-11-2021	23-11-2021	23-11-2021	23-11-2021
1.	pH value	6.5 to 8.5	7.18	7.51	7.22	7.55
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	2	*BDL(**DL 1)	*BDL(**DL 1)
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	2	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	153.0	228.4	208.0	179.5
6.	Calcium (as Ca) ,mg/l	75/200	43.3	46.6	73.5	44.9
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	152.1	173.0	152.1	147.7
8.	Chloride (as Cl), mg/l	250/1000	143.6	51.8	45.0	40.1
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	10.9	27.2	5.9	16.3
11.	Total dissolved solids, mg/l	500/2000	358	475	395	481
12.	Sulphate (as SO_4), mg/l	200/400	57.5	64.4	68.4	36.7
13	Fluoride (as F), mg/l	1.0/1.5	0.25	0.42	0.45	0.65
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)

16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab.

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- Pandharkawda)	Borewell Water (Village- Sonegaon)	Dugwell Water (Village- Yerur)
			12-02-2022	12-02-2022	12-02-2022
1.	pH value	6.5 to 8.5	7.23	7.61	7.26
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4.	Odour	--	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	267.72	178.48	133.86
6.	Calcium (as Ca) ,mg/l	75/200	74.64	45.10	45.10
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	209.52	192.24	187.92
8.	Chloride (as Cl), mg/l	250/1000	138.85	37.61	34.71
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	19.71	15.97	5.13
11.	Total dissolved solids, mg/l	500/2000	840.0	592.0	510.0
12.	Sulphate (as SO_4), mg/l	200/400	85.37	52.95	51.87
13	Fluoride (as F), mg/l	1.0/1.5	1.09	0.93	0.93
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)

16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan Envirolab.

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)
			12-02-2022	12-02-2022	12-02-2022	12-02-2022
1.	pH value	6.5 to 8.5	7.42	7.62	7.41	7.68
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)	*BDL(**DL 1)
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	294.88	263.84	256.08	259.96
6.	Calcium (as Ca) ,mg/l	75/200	93.53	75.42	66.87	82.42
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	183.60	185.76	181.44	185.76
8.	Chloride (as Cl), mg/l	250/1000	81.64	193.81	26.03	96.42
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	22.06	18.29	21.60	13.10
11.	Total dissolved solids, mg/l	500/2000	730.0	772.0	560.0	790.0
12.	Sulphate (as SO_4), mg/l	200/400	12.43	74.56	52.95	63.76
13	Fluoride (as F), mg/l	1.0/1.5	1.05	0.42	0.63	0.75
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	0.23	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)

16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	BDL(*DL 0.01 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	0.23	BDL(*DL 0.01 mg/l)	* BDL(**DL 0.002 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	*BDL(**DL 0.01 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.002 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.001 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.002 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL (**DL 0.0005 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab.

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			
			Ground Water from Intake Well near Wadha Village	Nr. Old Switch Yard, PZ-6	Near Recovery Pump House-I,(Ash Bund) PZ-1	Near Recovery Pump House-II,(Ash Bund) PZ-2
			12-02-2022	12-02-2022	12-02-2022	12-02-2022
1.	pH value	6.5 to 8.5	7.69	7.42	7.14	7.53
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	*BDL(**DL 1)	1	1
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)	2	2
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	122.22	161.02	197.88	199.82
6.	Calcium (as Ca) ,mg/l	75/200	37.32	35.77	45.88	55.21
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	112.32	116.64	149.04	151.20
8.	Chloride (as Cl),	250/1000	32.78	32.78	34.71	48.21
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	7.03	17.40	20.22	15.02
11.	Total dissolved solids, mg/l	500/2000	810.0	440.0	410.0	432.0
12.	Sulphate (as SO_4), mg/l	200/400	34.69	51.0	51.98	55.33
13	Fluoride (as F), mg/l	1.0/1.5	BDL(*DL 0.2 mg/l)	0.40	0.46	0.28
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)

16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab.

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
			12-02-2022	12-02-2022	12-02-2022	12-02-2022
1.	pH value	6.5 to 8.5	7.53	7.61	7.34	7.62
2.	Colour, Hazen units	5/15	*BDL(**DL 1)	1	*BDL(**DL 1)	*BDL(**DL 1)
3.	Turbidity, NTU	1/5	*BDL(**DL 1 NTU)	2	*BDL(**DL 1 NTU)	*BDL(**DL 1 NTU)
4.	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable
5.	Total Hardness(as $CaCO_3$) mg/l	300/600	164.90	205.64	203.70	178.48
6.	Calcium (as Ca) ,mg/l	75/200	41.21	48.99	73.87	50.54
7.	Total Alkalinity (as $CaCO_3$)mg/l	200/600	146.88	170.64	155.52	146.88
8.	Chloride (as Cl),	250/1000	137.89	50.14	47.25	43.39
9.	Free Residual Chlorine, mg/l	0.2/1.0	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)	*BDL(**DL 0.15mg/l)
10.	Magnesium (as Mg), mg/l	30/100	15.04	20.21	4.62	12.67
11.	Total dissolved solids, mg/l	500/2000	400.0	488.0	410.0	495.0
12.	Sulphate (as SO_4), mg/l	200/400	54.03	61.81	63.97	42.36
13	Fluoride (as F), mg/l	1.0/1.5	0.28	0.40	0.45	0.70
14	Iron (as Fe), mg/l	1.0	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
15	Boron (as B) mg/l	0.5/1.0	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)	*BDL(*DL 0.01 mg/l)

16	Total Chromium (as Cr) mg/l	0.05	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)	*BDL(*DL 0.002 mg/l)
17	Zinc (as Zn) mg/l	5/15	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)	BDL(*DL 0.01 mg/l)
18	Copper (as Cu), mg/l	0.05/1.5	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)	* BDL(**DL 0.002 mg/l)
19	Manganese (as Mn), mg/l	0.1/0.3	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)	*BDL(**DL 0.01 mg/l)
20	Cadmium as Cd, mg/l	0.003	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
21	Lead (as Pb) mg/l	0.01	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
22	Selenium as Se	0.01	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)	*BDL(**DL 0.001 mg/l)
23	Total Arsenic (as As) mg/l	0.01/0.05	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)	*BDL(**DL 0.002 mg/l)
24	Mercury (as Hg) mg/l	0.001	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)	*BDL (**DL 0.0005 mg/l)

Note: 1) All the above Ground Water Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab.

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

Annexure - 2

STACK EMISSION QUALITY STATUS OCTOBER-2021 TO MARCH-2022

Sr. No.	Parameters	Concentration											
		Oct -2021		Nov -2021		Dec -2021		Jan -2022		Feb -2022		Mar -2022	
		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	23.8	24.8	26.4	27.5	29.71	24.94	27.33	26.59	29.52	27.9	28.12	27.39
2.	Sulphur Dioxide as SO_2, mg/ Nm^3	1065.7	1128.2	1075.9	1141.2	1098.33	1087.32	1063.32	1020.77	1050.79	1025.91	1030.08	1018.44
3.	Sulphur Dioxide as SO_2, Kg/Hr	1912.4	2016.6	1945.9	2047.8	1872.57	1839.08	1827.27	1740.33	1898.90	1861.26	1763.17	1750.14
4.	Oxides of Nitrogen as NO_2, mg/Nm^3	439.5	422.1	414.5	425.1	443.53	422.39	433.22	402.08	412.91	372.30	408.18	368.26
5.	Oxides of Nitrogen as NO_2, ppm	233.6	224.3	220.2	225.9	235.72	224.48	230.24	213.69	219.44	197.86	216.93	195.71
6.	Mercury as Hg, mg/Nm^3	0.003	0.004	0.004	0.006	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.004
Note: All the above Stack monitoring & Analysis were done by MOEF Approved 3rd party M/s Vardan Enviro Lab													

STACK EMISSION QUALITY STATUS – OCTOBER-2021 TO MARCH-2022									
Sr. No	**Parameters**	**Oct – 2021**				**March-2022**			
		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	**25.4**	**26.4**	**23.8**	**25.7**	**24.9**	**24.3**	**27.9**	**26.1**
2.	Sulphur Dioxide as SO_2, mg/ Nm^3	**37.5**	**41.8**	**43.2**	**38.4**	**39.2**	**45.8**	**42.5**	**39.4**
3.	Sulphur Dioxide as SO_2, Kg/Hr	**0.16**	**0.17**	**0.18**	**0.16**	**0.18**	**0.19**	**0.16**	**0.17**
4.	Oxides of Nitrogen as NO_2,mg/Nm^3	**119.2**	**128.9**	**132.4**	**122.8**	**122.4**	**136.4**	**131.4**	**126.8**
5.	Oxides of Nitrogen as NO_2 , ppm	**63.3**	**88.5**	**70.4**	**65.3**	**65.6**	**72.8**	**90.2**	**66.4**
Note: All the above Stack monitoring & Analysis were done by MOEF Approved 3rd party M/s Vardan Enviro Lab									

Annexure-3

DHARIWAL INFRASTRUCTURE LIMITED

Monthly Ash Generation and Utilization (For the Period from 1st October 2021 to 31st March 2022)

ASH GENERATION AND UTILIZATION (in MT)

Sl. No.	Month	Ash Generation	Ash Utilization	Ash based/ Bricks/ Blocks/ Tiles etc.	In manufacture of Cement	In construction of Highways & Roads including Flyovers	In Ash dyke raising	In reclamation of low lying Area	In Mine filling	Unutilized Ash	Ash Utilization %
1	Oct-21	55138	49513	440	49073	0	0	0	0	5625	89.80
2	Nov-21	62034	47882	5402	42145	335	0	0	0	14152	77.19
3	Dec-21	92191	97699	15189	82510	0	0	0	0	0	105.97
4	Jan-22	87184	88965	10551	78414	0	0	0	0	0	102.04
5	Feb-22	83183	103229	28331	74898	0	0	0	0	0	124.10
6	Mar-22	89164	94233	13986	80247	0	0	0	0	0	105.69
Total		**468894**	**481521**	**73899**	**407287**	**335**	**0**	**0**	**0**	**19777**	**100.8**

Annexure – 4

EFFLUENT QUALITY STATUS

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022									
Sr. No.	**Parameter**	**NORMS**		**OCT-21**	**NOV-21**	**DEC-21**	**JAN-22**	**FEB-22**	**MAR-22**
1.	**pH**	**6.5 to 8.5**	**ETP Outlet**	**7.67**	**7.68**	**7.62**	**7.72**	**7.81**	**7.78**
2.	**Total Suspended Solid**	**100 mg/l**		**12.0**	**14.0**	**10.0**	**8.0**	**10.0**	**8.0**
3.	**Oil & Grease**	**10 mg/l**		***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**
4.	**Biochemical Oxygen Demand (3 days/27°C)**	**30 mg/l**		**15.18**	**17.18**	**14.0**	**16.0**	**18.0**	**16.0**
5.	**Chemical Oxygen demand**	**250 mg/l**		**72.80**	**74.10**	**61.20**	**65.3**	**70.6**	**64.28**
6.	**Total Dissolved Solid**	**2100 mg/l**		**1342.0**	**1356.0**	**1314.0**	**1220**	**1100**	**1030.0**
Note:The Effluent Quality monitoring done MOEF approved 3rd party M/s Vardan EnviroLab									

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022															
Sl. No.	**Parameter**	**Norms**		**OCT-21**		**NOV-21**		**DEC-21**		**JAN-22**		**FEB-22**		**MAR-22**	
				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**	**7.92**	**7.78**	**7.96**	**7.76**	**7.92**	**7.98**	**7.84**	**7.88**	**7.72**	**7.82**	**7.76**	**7.84**
2	**Temp.**	**<5ºC higher than Intake water**		**1.30**	**1.90**	**1.37**	**1.92**	**1.22**	**1.36**	**1.08**	**1.22**	**1.02**	**1.08**	**1.08**	**1.12**
3	**Free Available Chlorine**	**0.5 mg/l**		**0.28**	**0.36**	**0.26**	**0.35**	**0.30**	**0.37**	**0.28**	**0.35**	**0.26**	**0.37**	**0.28**	**0.36**
Note:	**Effluent Quality monitoring done by MoEF approved 3rd party M/s Vardan EnviroLab**														

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022															
Sl.No.	**Parameter**	**Norms**		**OCT-21**		**NOV-21**		**DEC-21**		**JAN-22**		**FEB-22**		**MAR-22**	
				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**	**21.00**	**16.20**	**22.0**	**16.15**	**20.0**	**14.0**	**16.0**	**12.0**	**14.0**	**10.0**	**16.0**	**12.0**
2	**Oil & Grease**	**10 mg/l**		***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**	***BDL (**DL 0.4)**
3	**Copper(Total)**	**1 mg/l**		**0.07**	**0.06**	**0.08**	**0.08**	**0.08**	**0.07**	**0.07**	**0.06**	**0.06**	**0.04**	**0.05**	**0.05**
4	**Iron(Total),mg/l**	**1 mg/l**		**0.31**	**0.28**	**0.35**	**0.29**	**0.32**	**0.26**	**0.30**	**0.24**	**0.28**	**0.22**	**0.26**	**0.23**
Note:	**The Effluent Quality monitoring done by MoEF approved M/s Vardan EnviroLab**														

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022															
Sl.No.	Parameter	Norms		OCT-21		NOV-21		DEC-21		JAN-22		FEB-22		MAR-22	
				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	0.25	0.26	0.26	0.25	0.27	0.26	0.25	0.24	0.24	0.25	0.25	0.26
2	Zinc	1 mg/l		0.30	0.38	0.29	0.37	0.27	0.35	0.26	0.34	0.24	0.36	0.26	0.38
3	Chromium (Total)	0.2 mg/l		0.12	0.18	0.15	0.17	0.14	0.16	0.12	0.14	0.10	0.16	0.12	0.18
4	Phosphate	5 mg/l		2.18	2.24	2.15	2.36	2.55	2.24	2.48	2.08	2.41	2.18	2.08	2.24
Note:	The Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab														

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022									
Sl.No.	Parameter	unit		OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1	PH	--	Ash Pond	7.72	7.82	7.54	7.48	7.52	7.56
2	Oil & grease	mg/l		*BDL (**DL 0.4)	*BDL (**DL 0.4)	*BDL (**DL 0.4)	*BDL (**DL 0.4)	*BDL (**DL 0.4)	*BDL (**DL 0.4)
3	TSS	mg/l		18.20	18.30	20.0	18.0	16.0	15.0
4	Lead (As Pb)	mg/l		0.05	0.06	0.05	0.04	0.03	0.04
5	Mercury (As Hg)	mg/l		*BDL(**DL 0.0005)	*BDL(**DL 0.0005)	*BDL(**DL 0.0005)	*BDL(**DL 0.0005)	*BDL(**DL 0.0005)	*BDL(**DL 0.0005)
6	Total Chromium (As Cr)	mg/l		*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)
7	Total Arsenic (As As)	mg/l		*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)	*BDL(**DL 0.002)
Note:	Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab								

EFFLUENT QUALITY MONITORING REPORT – OCTOBER-2021 TO MARCH-2022										
Sl.No.	Parameter	Norms	Unit		OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1	PH	6.5-9.0		STP Treated Effluent	7.58	7.59	7.48	7.42	7.48	7.42
2	Total Suspended Solids (TSS)	50	mg/L		7.20	8.0	6.0	8.0	10.0	12.0
3	BOD	30	mg/L		14.0	14.12	12.0	10.0	12.0	10.0
Note:	Effluent Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab									

Annexure-5

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

संख्या /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 में 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
(s),

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 प्रक्रिया 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
कृते विस्फोटक नियंत्रक
For Controller of Explosives
वर्धा/Wardha

(अधिक जानकारी जैसे आवेदन की स्थिति, 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)

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

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

अनुज्ञप्ति सं. (Licence No.) : **P/HQ/MH/15/6129(P294572)**

फीस रूपए (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 केवल इसमें यथा विनिर्दिष्टु 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)** तारीख **29/10/2014** जो कि इससे उपाबद्ध हैं, 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 हैं ।

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 प्रवृत 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 सीमाए अन्य विशिष्टयां संलग्न अनुमोदित नक्शो 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 हैं ।

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.

पेज सं. 2

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

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

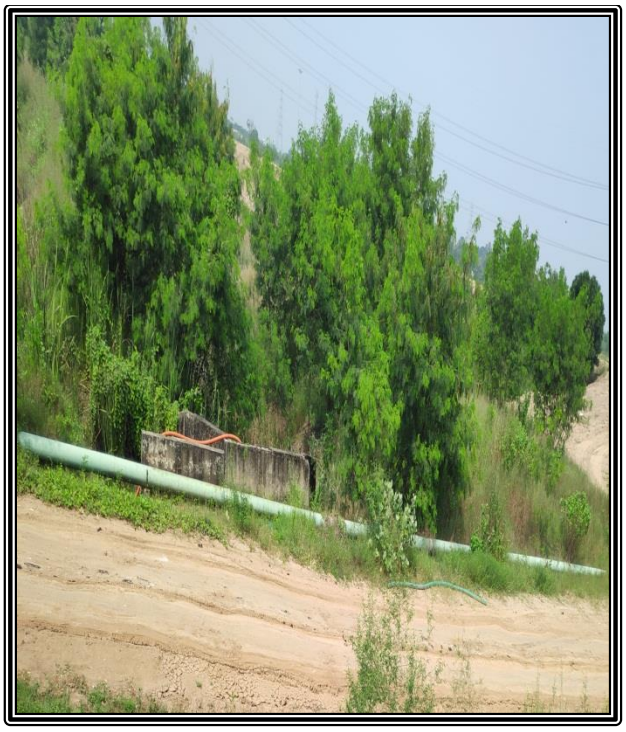
पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी । This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकरण की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प Signature and office stamp of the licencing authority.
1).	10/01/2014	31/12/2014	Sd/- C.G.Kalambhe 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).	12/11/2015	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, Wardh.

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरुप नही पाए जाते है और जिन नियमो और शर्तो के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमे 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 दोनो से, और प्रत्येक पश्चातवर्ती 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 on 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

Annexure-6

Photographs of Plantation inside Plant Premises



Annexure –7(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)	**OCT-2021**	Leq	**66.5**	**56.4**	**62.6**	**52.8**	**66.2**	**54.6**
	NOV-2021	Leq	**64.5**	**55.4**	**61.6**	**52.6**	**65.2**	**55.6**
	DEC-2021	Leq	**62.54**	**53.18**	**65.84**	**54.08**	**67.44**	**56.38**
	JAN-2022	Leq	**63.41**	**52.58**	**66.14**	**55.84**	**64.56**	**56.47**
	FEB-2022	Leq	**61.22**	**50.08**	**68.18**	**56.22**	**65.12**	**54.72**
	MAR-2022	Leq	**67.26**	**55.63**	**62.36**	**51.84**	**64.62**	**53.74**
Norms		**Industrial Area**	**75**	**70**	**75**	**70**	**75**	**70**
Note: Noise Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab								

Annexure –7(B)

WORK PLACE NOISE QUALITY STATUS

Month			OCT-2021		MAR-2022	
Parameters	**Sr. No.**	**Location**	**Norms**	**Reading**	**Norms**	**Reading**
Noise Level in dB (A)	**1**	**TG-1-12 Mtr. Unit-1**	**85**	**75.9**	**85**	**76.8**
	2	**TG-1-6Mtr. Near MOT Unit -1**	**85**	**78.2**	**85**	**81.2**
	3	**BFP Unit-1**	**85**	**76.8**	**85**	**78.6**
	4	**TG -2 12Mtr- Unit-2**	**85**	**75.4**	**85**	**81.3**
	5	**TG-2 6 Mtr. Near MOT Unit -2**	**85**	**74.9**	**85**	**75.9**
	6	**BFP Unit -2**	**85**	**76.4**	**85**	**79.3**
	7	**Mill Area Unit -1**	**85**	**73.3**	**85**	**76.0**
	8	**Mill Area Unit -2**	**85**	**76.9**	**85**	**75.8**
	9	**ID Fan-2 Unit-2**	**85**	**72.1**	**85**	**77.5**

Month			OCT-2021		MAR-2022	
Parameters	**Sr. No.**	**Location**	**Norms**	**Reading**	**Norms**	**Reading**
Noise Level in dB (A)	**10**	**ID Fan-I Unit-I**	**85**	**76.4**	**85**	**80.3**
	11	**FD Fan –I-Unit -I**	**85**	**73.9**	**85**	**77.6**
	12	**FD Fan –2-Unit -2**	**85**	**74.7**	**85**	**79.5**
	13	**DG Compressor Room**	**85**	**79.5**	**85**	**82.7**
	14	**AHP Compressor Room**	**85**	**77.4**	**85**	**80.2**
	15	**Boiler -1 12 Mtr APH**	**85**	**78.6**	**85**	**79.7**
	16	**Boiler -2 at 12 Mtr APH**	**85**	**80.3**	**85**	**82.5**
	17	**Chiller Area**	**85**	**66.5**	**85**	**67.5**
Note: Workplace Noise Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab						

Month			OCT-2021		MAR-2022	
Parameters	**Sr. No.**	**Location**	**Norms**	**Reading**	**Norms**	**Reading**
Noise Level in dB (A)	**18**	**Wagon Tipper area**	**85**	**74.3**	**85**	**79.2**
	19	**Crusher Floor (3 rd Floor)**	**85**	**78.6**	**85**	**81.4**
	20	**Screen Floor(4 th Floor)**	**85**	**74.2**	**85**	**76.8**
	21	**DSS Pump House**	**85**	**59.6**	**85**	**56.8**
	22	**Ash Slurry Pump House**	**85**	**73.6**	**85**	**79.5**
	23	**LDO Pump House**	**85**	**74.4**	**85**	**78.7**
	24	**CW Pump House**	**85**	**78.4**	**85**	**81.5**
	25	**Fire Pump house**	**85**	**77.2**	**85**	**81.4**
Note: Workplace Noise Quality Monitoring done by MoEF approved 3rd Party M/s Vardan EnviroLab						

Annexure – 8

AMBIENT AIR QUALITY STATUS

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	34.65	35.15	29.91	28.63	28.64	28.86
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	57.25	55.75	58.34	57.14	59.27	60.63
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	16.66	17.16	15.83	15.09	15.73	16.32
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	9.35	8.85	8.95	8.78	8.94	9.52
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.24	0.25	0.33	0.32	0.34	0.36
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	4.60	4.65	5.32	5.41	6.31	6.81
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	1.72	1.77	1.74	1.77	1.80	1.84
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.55	0.59	0.57	0.59	0.60	0.61
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	5.34	5.37	7.75	7.92	8.49	8.81
10.	Nickel (Ni) (ng/m^3)	20	Annual	5.33	5.36	5.89	5.82	5.55	5.53
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.04	0.04	0.06	0.05	0.05	0.04
12.	Arsenic (As) (ng/m^3)	6	Annual	1.49	1.50	2.05	2.02	2.13	2.20
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	23.05	23.55	24.89	25.21	25.23	25.65
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	56.65	56.70	55.33	56.77	57.40	59.40
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	16.25	16.50	16.41	15.66	14.97	15.53
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	8.30	8.30	9.00	8.83	8.63	8.87
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.26	0.27	0.33	0.34	0.34	0.36
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	2.51	2.51	3.50	4.04	4.76	5.60
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	1.37	1.39	1.42	1.37	1.37	1.42
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.58	0.58	0.54	0.56	0.54	0.56
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	4.76	4.86	5.68	6.19	7.14	7.36
10.	Nickel (Ni) (ng/m^3)	20	Annual	3.08	3.08	1.51	1.54	1.52	1.62
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.04	0.04	0.05	0.04	0.03	0.04
12.	Arsenic (As) (ng/m^3)	6	Annual	1.22	1.24	2.02	1.87	1.83	1.91
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	25.80	25.40	26.55	27.62	27.82	28.22
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	58.60	59.80	61.23	61.71	63.15	64.40
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	17.70	18.15	17.78	18.77	18.72	19.38
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	9.25	9.25	9.56	10.39	10.69	11.26
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.31	0.36	0.40	0.45	0.45	0.47
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	6.00	6.03	6.92	6.93	7.18	7.59
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	1.84	1.90	1.67	1.86	1.89	1.92
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.59	0.58	ND	ND	ND	ND
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	5.91	5.97	7.92	8.95	9.65	10.05
10.	Nickel (Ni) (ng/m^3)	20	Annual	5.38	5.44	5.54	5.78	5.97	6.34
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.05	0.05	0.05	0.04	0.05	0.05
12.	Arsenic (As) (ng/m^3)	6	Annual	1.77	1.79	1.64	1.85	1.90	1.90
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

4.0 Location: - GET Hostel

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	24.05	24.15	24.84	24.84	25.72	26.15
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	48.90	49.45	49.35	49.74	51.56	53.50
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	16.10	16.20	14.76	14.57	14.85	15.25
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	7.75	8.00	8.08	8.11	8.41	8.48
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.23	0.25	0.30	0.31	0.33	0.35
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	2.98	2.97	3.23	4.15	4.77	5.17
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	1.33	1.35	1.28	1.18	1.06	1.36
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	ND	ND	ND	ND	ND	ND
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	2.47	2.52	5.17	6.03	6.66	7.10
10.	Nickel (Ni) (ng/m^3)	20	Annual	2.07	2.04	BDL	BDL	BDL	BDL
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.05	0.05	0.04	0.04	0.04	0.04
12.	Arsenic (As) (ng/m^3)	6	Annual	1.46	1.50	1.73	1.50	1.50	1.73
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

5.0 Location: - Near Ash Pond

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	23.10	23.15	23.59	24.86	25.63	26.01
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	46.90	47.40	50.19	51.37	51.22	54.05
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	14.50	14.40	13.14	13.64	13.92	14.39
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	36.55	37.05	7.93	8.35	8.41	8.55
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.25	0.26	0.35	0.36	0.38	0.39
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	BDL	BDL	BDL	BDL	BDL	BDL
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	BDL	BDL	BDL	BDL	BDL	BDL
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	ND	ND	ND	ND	ND	ND
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	BDL	BDL	BDL	BDL	BDL	BDL
10.	Nickel (Ni) (ng/m^3)	20	Annual	2.29	2.30	2.48	2.70	2.96	3.07
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.04	0.05	0.03	0.03	0.04	0.05
12.	Arsenic (As) (ng/m^3)	6	Annual	0.95	0.97	0.89	0.92	0.92	0.94
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	26.65	26.95	25.23	25.91	25.82	26.55
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	50.05	50.75	55.12	56.39	56.17	57.90
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	15.30	15.90	16.45	16.98	17.56	18.02
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	7.15	7.20	7.82	8.49	8.54	8.96
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.27	0.26	0.34	0.37	0.38	0.39
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	BDL	BDL	BDL	BDL	BDL	BDL
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	BDL	BDL	BDL	BDL	BDL	BDL
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	ND	ND	ND	ND	ND	ND
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	6.30	6.50	6.95	7.06	7.50	7.85
10.	Nickel (Ni) (ng/m^3)	20	Annual	2.10	2.11	1.48	1.60	1.76	1.81
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.04	0.05	0.05	0.04	0.04	0.05
12.	Arsenic (As) (ng/m^3)	6	Annual	1.47	1.48	1.92	1.92	1.98	2.19
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	23.50	24.05	24.74	25.18	25.84	26.77
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	51.30	51.85	53.23	52.23	54.53	55.54
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	14.20	15.25	14.17	14.42	15.47	15.81
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	7.95	8.05	8.25	8.54	9.24	9.73
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.21	0.21	0.31	0.34	0.36	0.37
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	2.62	2.63	BDL	BDL	BDL	BDL
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	BDL	BDL	BDL	BDL	BDL	BDL
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	ND	ND	ND	ND	ND	ND
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	BDL	BDL	BDL	BDL	BDL	BDL
10.	Nickel (Ni) (ng/m^3)	20	Annual	2.14	2.15	1.90	2.28	2.82	2.96
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.04	0.06	0.05	0.04	0.04	0.05
12.	Arsenic (As) (ng/m^3)	6	Annual	0.97	0.98	1.09	1.83	1.43	1.46
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

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

Sr. No.	Parameters	Norms	TWA	Concentration					
				OCT-21	NOV-21	DEC-21	JAN-22	FEB-22	MAR-22
1.	Particulate Matter of size less than 2.5 µm ($PM_{2.5}$)µg/m^3	60	24 Hrs	20.55	20.65	22.33	23.19	23.88	25.01
2.	Particulate Matter of size less than 10 µm (PM_{10}) µg/m^3	100	24 Hrs	46.40	46.50	46.82	47.22	49.67	50.87
3.	Nitrogen Dioxide (NO_2) µg/m^3	80	24 Hrs	15.10	15.65	15.41	15.16	15.70	16.32
4.	Sulphur Dioxide (SO_2) µg/m^3	80	24 Hrs	7.70	7.80	7.53	7.59	7.77	8.27
5.	Carbon Monoxide (CO) (mg/m^3)	2	8 Hrs	0.23	0.25	0.32	0.33	0.35	0.37
6.	Ammonia (NH_3) (µg/m^3)	400	24 Hrs	3.57	4.08	5.01	4.87	5.28	5.73
7.	Benzene (C_6H_6) (µg/m^3)	5	Annual	0.85	0.95	BDL	BDL	BDL	BDL
8.	Benzo(a) Pyrene (BaP) (ng/m^3)	1	Annual	0.65	0.67	0.81	0.85	0.88	0.90
9.	Ozone (O_3) (µg/m^3)	100	24 Hrs	4.90	5.90	6.71	6.89	7.23	7.77
10.	Nickel (Ni) (ng/m^3)	20	Annual	2.60	2.63	2.50	2.78	2.92	3.22
11.	Lead (Pb) (µg/m^3)	1	24 Hrs	0.05	0.07	0.05	0.04	0.05	0.05
12.	Arsenic (As) (ng/m^3)	6	Annual	1.05	1.07	1.14	1.18	1.27	1.59
Note: All the above Ambient Air Quality Analysis were done by MOEF Approved 3rd party M/s Vardan EnviroLab									

Annexure-9

DHARIWAL INFRASTRUCTURE LIMITED,

Tadali, Dist. Chandrapur

6 Month Oct 2021 to March 2022

Consolidated Report on

Corporate Social Responsibility

Year 2021-2022

Broad CSR Initiatives

1) **Education Program**
2) **SHG Program**
3) **Agriculture Program**
4) **Sanitation Program**
5) **Adolescence girls Program**
6) **Skill development Program**

Education Program

Objective:

To provide access to quality education to 299 children from 6-14 years of age and develop their overall persona through extracurricular activities.

Activity:

- Conducted 20 parents meeting to discuss about the progress of the students & take feedback of the class, 573 parents were participated.
- Conducted 6 monthly balsakhi meeting , to collect the monthly compile report of the 8 villages.
- Organized book collection rally at 8 villages,271 students were participated.
- Organized SMC head meeting at 4 villages to discuss about the educational activities.
- Organized G.k exam at 8 villages .
- Children day celebrated in 8 villages ,180 students were participated.
- Constitution day celebrated in 8 villages, 300 students were participated.
- Celebrated Savitribai Fule Birth anniversary at 8 villages,195 students were participated.
- Republic day celebrated in 8 villages,193 students were participated.
- Organized Akshar Bhint program at 8 villages,175 students were participated.
- Conducted 6 monthly syllabus wise exam ,1382 students were participated.
- Organized Chavadi wachan Program in 8 villages,299 students were participated.

Output:

- 100% school syllabus completed.
- 299 students got the free and quality education .
- Students actively participated in all the extra-curricular activity.

Glimpses of Education Program

Class Visit

Book collection Rally

C.E.O Visit to Library

Constitution Day celebration

School Meet

Balsakhi Monthly meeting

Chavadi Wachan

Parents meeting

Meeting with C.E.O

Savitribai Fule Birth anniversary

Republic day celebration

Republic day celebration

Akshar Bhint Program

Monthly Exam

Essay Competition

SHG Program

Objective:

Motivating & enabling 210 women for self-employment through SHG and providing them capital to set up businesses during COVID pandemic.

Activity:

- Organized 23 SHG meeting at 7 villages, 254 SHG members were participated.
- Organized various competitions like Fancy dress,Rangoli,Singing,Dance,COVID-19 awareness etc on the occasion of Navaratri,26 SHG members were participated.
- Organized Food festival & prize distribution of Navratri competition ceremony at Shengaon,65 SHG members were participated.
- Organized Health & hygiene session by Dr. Abhilasha Gavture,31 SHG members were participated.
- Collected data of 481 SHG members from 7 villages.
- Organized EDP training of Pickle & papad for 30 SHG members at Tadali.
- Celebrated world women day at Tadali,60 SHG members were participated.

Output:

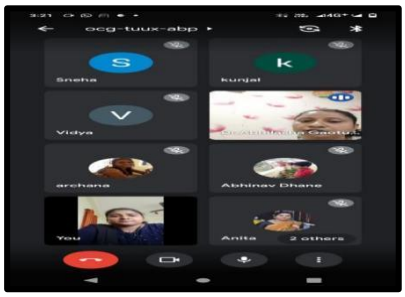
- 30 SHG members of Tadali got the EDP training (Pickle & Papad) .
- SHG members actively participated in various competition.

Glimpses of SHG Program

SHG Meet

Prize Distribution of navratri competition

Food Festival



Health & Hygiene session

Visit to SHG business

Visit to Social welfare Office

EDP Training (Tadali)

Inauguration of EDP Training

World women Day Celebration

Agriculture Program

Objective:

To promote and strengthen efficient and effective management of agricultural production and productivity through management of farms in order to ensure economic and environmental sustainability of farmers.

Activity:

- Registration for crop insurance at E-PIK app, 55 Farmers applied for schemes.
- Organized 18 farmers meet, 228 farmers had participated.
- Organized training on safety measures during pesticide spraying ,35 farmers were befitted
- Visited to social welfare department & inform the farmers about the schemes.

Output:

- 55 farmers applied for Crop insurance.
- Farmers got the information about the government schemes of social welfare department.

Pesticide Training

Training on antifungal seed treatment

Farmer Club Meeting

Farmer Meet

Weed Cleaning (Wadha)

E-PIK Registration

Sanitation Program

Objective:

To bring about an improvement in the general quality of life in the rural areas by motivating the communities and Panchayat Raj Institutions through awareness creation and health education.

Activity:

- Organized meeting with GP members to discuss about the community development work & problems of the villagers.
- Organized awareness session on COVID-19,Dengue,Malaria & Omicron.
- Organized sarpanch meet to inform them about the health camp.
- Organized Health check-up camp at Dhanora ,Pandharkwda ,Wadha & Shengaon.
- Spectacles distribution program were conducted at Sonegaon .

Output:

- 55 Villagers of Sonegaon got free eye check up camp & spectacles.
- 1094 villagers took benefit of health check up camp & also got medicines.

Glimpses of Health & Sanitation Program

Health Check -up camp


Health Check -up camp


Health Check -up camp

Spectacles Distribution (Sonegaon)

Spectacles Distribution (Sonegaon)

Awareness session COVID-19 ,Dengue Malaria.

Adolescence Girls Program

Objective:

105 adolescent girls to enable for self-development and empowerment, to improve their nutrition and health status, promote awareness about health, menstrual hygiene, nutrition, sexual health, & upgrade home-based skills, vocational & life skill.

Activity:

- Organized 6 weekly meeting to inform them about the schedules of workshop, 62 adolescence girls were participated.
- Organized Menstrual hygiene session by Dr. Priyanka Gupta (Gynecologist) at Shengaon, Tadali & Morva,89 girls were participated.
- Organized session on First Aid ,14 adolescence girls were participated.
- Organized session on financial management by DIL team,23 adolescence girls were participated.
- Organized HB camp at Wadha, Dhanora,Tadali, Pandharkawda & Shengaon,295 adolescence girls befitted.
- Organized session on internet banking.
- Various competition like Dance, Singing ,Fancy dress competitions were organized on the occasion of Balika din at Wadha, 22 adolescence girls were participated.
- Organized workshop on Good touch & bad touch at Morva,Tadali & Shengaon ,212 adolescence girls & boys were participated.
- Data of 394 adolescence girls were collected.
- Organized various competition such as Dance, Singing ,Fancy dress ,Covid-19 awareness on the occasion of the Navratri festival.
- Organized parents meet at Pandharkawda & wadha ,46 parents were participate.
- Organized Meeting with CDPO, Chandrapur to discuss about the government schemes for adolescence girls.
- Organized workshop on impact of social media on teenage at Tadali & Dhanora, 85 adolescence girls & boys befitted.
- Organized adolescence girls get together & prize distribution ceremony of Navratri festival at Tadali, 55 adolescence girls were participated.

Output:

- Adolescence girls aware about the menstrual hygiene, first aid treatment in emergency situation guidance on carrier & competitive exam.
- Adolescence girls aware about the social media and good touch Bad touch.
- 295 adolescence girls took benefit of HB camp & got folic acid tablets.
- Adolescence girls got platform to express their talents.

Glimpses of Adolescence Girls Program

Session On First Aid Treatment

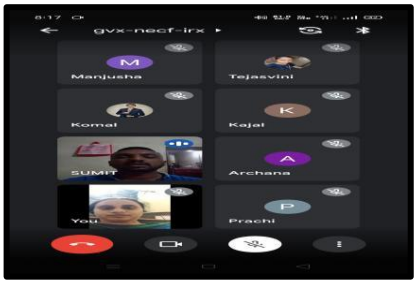
Menstrual Hygiene Session

PHC Visit (Ghuggus)

Session on Financial Management

HB Camp

Draft Activity from waste



HB camp

Adolescence girls Get-together

Awareness session COVID-19 Dengue Malaria.

Workshop on Impact of social media on teenage

Visit to Sanitary napkin vending machine

Visit to ICDS Office

Skill development Program

Objective:

To support village youth in attaining technical skill to be gainfully ,economic empowerment of youths from underprivileged community.

Activity:

- Organized meeting with GP members and youths to promote the skill development training for youths.
- 2 youths admitted for mobile repairing training.

Glimpses of Skill Development Program

Mobile repairing center Visit

Annexure-10

RP - Sanjiv Goenka Group
Growing Legacies

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

Ref: DIL/HSE/F-08/21-22/53

Date : 28.09.2021

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

Sub: Submission of Environmental Statement for the financial year ending 31st March 2021.

Dear Sir,

We have submitted online, the Annual Environment Statement for the financial year 2020-21 on EC MPCB Portal. Copy of the Environment Statement (Form-V) downloaded from EC MPCB portal along with annexures is attached herewith for your ready reference.

We also want to inform you that due to size constraint in the online application, we had attached compiled Analysis report (Water & Air & Hazardous Waste) for the financial year 2020-21 from recognized laboratory by MoEF, however original reports are attached herewith along this letter.

We hope you will find the same in order.

Thanking you,

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

RBarnwal

Authorized Signatory

20/10/21 वरिष्ठ लिपिक प्रादेशिक कार्यालय म.प्र.नि मंडळ चंद्रपूर

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).