

COMPLIANCE STATUS REPORT – APRIL TO SEPTEMBER 2022

Ref: Environment Consent for Operation as mentioned below:

1. Consent Order No: APPCB/VSP/VSP/19/HO/CFO/2020- dated :06th March,2020

Sr. No.	Condition (Consent Order No:APPCB/VSP/VSP/19/HO/CFO/2020, dated 06 th March 2020) for Unit – I & Unit – II	Compliance Status
SCHEDULE-A		
1	Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	Noted and shall be complied when such condition arises.
2	The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.	Noted and being complied with
3	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable	Public liability insurance is obtained
4	The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises	Noted and being complied with
5	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Noted
6	The applicant shall submit Environment statement in Form V before 30 th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof	Noted and being complied with
7	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Noted and being complied with
8	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to	Noted and being complied with

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	Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.																																																										
9	The industry may explore the possibility of tapping the solar energy for their energy requirement.	Will be reviewed.																																																									
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WATER POLLUTION																																																											
1	<p>The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below</p> <table border="1" data-bbox="268 768 1007 1220"> <thead> <tr> <th>Outlet</th> <th>Parameter</th> <th>Limiting Standards</th> </tr> </thead> <tbody> <tr> <td rowspan="11">1</td> <td>pH</td> <td>6.50 – 8.50</td> </tr> <tr> <td>Temperature-not more than 7°C higher than intake water as per MoEF Communication dated 20.04.1999.</td> <td></td> </tr> <tr> <td>Total Suspended Solids(at 103–105° C)</td> <td>100 mg/I</td> </tr> <tr> <td>Oil and Grease</td> <td>20 mg/I</td> </tr> <tr> <td>Free chlorine</td> <td>0.5 mg/I</td> </tr> <tr> <td>Phosphate as PO4</td> <td>20 mg/I</td> </tr> <tr> <td>Chromium (Total)</td> <td>0.2 mg/I</td> </tr> <tr> <td>Copper (Total)</td> <td>1mg/I</td> </tr> <tr> <td>Iron</td> <td>1 mg/I</td> </tr> <tr> <td>Zinc</td> <td>1 mg/I</td> </tr> <tr> <td rowspan="5">2</td> <td>pH</td> <td>6.50 – 8.50</td> </tr> <tr> <td>Oil and Grease</td> <td>10 mg/l</td> </tr> <tr> <td>BOD (3 days at 27 °C)</td> <td>30 mg/l</td> </tr> <tr> <td>Total Suspended Solids</td> <td><100 mg/I</td> </tr> <tr> <td>Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)</td> <td><1000MPN /100 ml</td> </tr> </tbody> </table>	Outlet	Parameter	Limiting Standards	1	pH	6.50 – 8.50	Temperature-not more than 7°C higher than intake water as per MoEF Communication dated 20.04.1999.		Total Suspended Solids(at 103–105° C)	100 mg/I	Oil and Grease	20 mg/I	Free chlorine	0.5 mg/I	Phosphate as PO4	20 mg/I	Chromium (Total)	0.2 mg/I	Copper (Total)	1mg/I	Iron	1 mg/I	Zinc	1 mg/I	2	pH	6.50 – 8.50	Oil and Grease	10 mg/l	BOD (3 days at 27 °C)	30 mg/l	Total Suspended Solids	<100 mg/I	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000MPN /100 ml	Noted and the effluent is Within the prescribed limits																						
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3	The industry shall maintain water meters for recording consumption of Sea water and maintain proper records for daily water consumption and shall submit monthly reports to the RO,	Noted and being complied with																																																									

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	Visakhapatnam.																
4	The industry shall install water meters at service water, domestic, ash water sumps by 31.03.2020.	All water meters installed including Ash water meter.															
5	The industry shall maintain flow meters preferably Electro Magnetic flow meters with totalizers for water and effluent quantity measurements for different streams of effluents and different categories of water usage stipulated in this order. The industry shall recycle the ash pond and D.M. Plant effluent	Noted and being complied with															
6	The run-off water from coal yard shall be treated to on land for irrigation standards before final disposal.	Noted. Runoff water is being monitored.															
7	The industry shall discharge the cooling water into sea through a suitable submarine pipeline	Noted															
8	The industry shall monitor all ground water peizo wells and submit report to RO Visakhapatnam every three months indicating trends	Noted and being complied															
9	The industry shall maintain proper arrangements for collection of seepage from ash pond and pumped back into the ash water system, so as to avoid ground water pollution in the surrounding area.	Noted Toe drain was integral part of ash bund to collect the seepage and the same is pumped back to the ash water recovery system.															
10	The industry shall treat the domestic effluents by adopting suitable technologies such as oxidation ponds aerated lagoons and discharge the treated effluents on the land for the irrigation/gardening.	Noted and being complied STP provided for treatment of domestic effluents. .															
11	The cooling water used in the once through system if treated with biocide will affect the Biota of the sea and fishing also, in the proximity of the discharge point. It should be controlled properly designed outfall into the sea.	Noted and complied with.															
AIR POLLUTION																	
1	The emissions shall not contain constituents in excess of the prescribed limits mentioned below. <table border="1" data-bbox="268 1384 1013 1592"> <thead> <tr> <th>Chimney No.</th> <th>Parameter</th> <th>Emission Standards</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Particulate matter</td> <td>50 mg/Nm3</td> </tr> <tr> <td></td> <td>SO2</td> <td>200 mg/Nm3</td> </tr> <tr> <td></td> <td>NOx</td> <td>300 mg/Nm3</td> </tr> <tr> <td></td> <td>Mercury</td> <td>0.03 mg/Nm3</td> </tr> </tbody> </table>	Chimney No.	Parameter	Emission Standards	1	Particulate matter	50 mg/Nm3		SO2	200 mg/Nm3		NOx	300 mg/Nm3		Mercury	0.03 mg/Nm3	Noted.
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2	The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial No.96, under the Environment (Protection) Act, 1986.	Noted and being complied with. The DG sets are standby and used only in the absence of grid power supply.															
3	The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µm) - 100 µg/m3; PM2.5 (Particulate Matter size less than 2.5 µm)60 µg/m3; SO2 - 80 µg/m3; NO2 - 80 µg/m3 outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB	Noted and being complied with The Ambient air Quality and noise															

Compliance Status Report to Environmental Clearance of M/s Hinduja National Power Corporation Limited vide Letter No: J-13011/11/90-IA-II(T) dated 3rd September, 1996 and F. No: 11-58/2011-IA-III dated 3rd January, 2014, 17/19th March, 2015 and CFO No: APPCB/VSP/VSP/19/HO/CFO/2020 dated 06th March, 2020

Compliance Status Report

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	Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A).	parameters with in the stipulated standards and reports are being submitted regularly
4	The industry shall provide interlocking facility between APC equipment (ESP) and fuel feeding system, in such a way that the feeding of the fuel shall be stopped automatically, in case, the ESP fails/ tripping's are occurred within 3 months.	Noted Alarm system of ESP fields is hooked up to main plant control room for taking immediate corrective measures.
5	The industry shall rectify CAAQM station at Coal Handling plant made in working condition by 10.04.2020.	Material arrived, work will start shortly.
6	The industry shall maintain online Stack and ambient monitoring systems with connection to the Board's website	Online monitoring systems are available and Connected to board through online website.
7	The industry shall take necessary measures like Ammonia dosing to maintain ESPs attached to the Boilers so as to meet SPM standards all the time.	SPM standards are being complied with existing ESP design.
8	The industry maintain the data logging facility provided for storing online stack emission data properly, for retrieval as and when necessary. Industry shall submit monthly report to the RO Visakhapatnam	Real time data is being directly connected to APPCB website for online monitoring. Monthly Report being submitted to RO regularly to Visakhapatnam
	GENERAL:	
1	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order.	Noted
2	The industry shall provide temperature indicator at marine out fall for assessing the temperature between the intake water and discharge water within three months.	Noted and being complied with Provided in discharge line.
3	The industry shall discharge off once through cooling effluents from Unit – 1 & 2 at a distance of 900 mts from the shoreline.	Noted and being complied with
4	The industry shall install permanent mechanical sprinklers for suppression of dust on the haul roads in between the villages and report the compliance to RO-Visakhapatnam	Complied. Mobile water tankers are being used for water sprinkling on roads.
5	The industry shall comply with CPCB directions dated 05.02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems issued from time to time. The online monitoring system shall be calibrated periodically as per equipment suppliers manual / CPCB guidelines	AAQ and Stack Emission of online monitoring systems are connected to APPCB and CPCB web site.
6	The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection. <ul style="list-style-type: none"> • Daily power generation details. • Quantity of Effluents generated and disposed. • Log Books for pollution control systems. • Daily Fly ash generated and disposed. 	Noted and being complied with
7	The industry shall dispose fly ash to cement / brick units and export, excess to ash pond.	Pond ash and Fly ash will be utilized by the following Agencies: <ol style="list-style-type: none"> 1) Simhadri Constructions. 2) Ramco cements 3) My home cements 4) Sagar cements 5) Vipasana 6) Sri sai ganesh transport

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8	The industry shall submit detailed action plan for fly ash utilization as per the Fly Ash Notification on MoEF to the Board to achieve 100% utilisation of fly ash	Complied
9	The industry shall achieve 100 % of fly ash utilization within 3 months	Noted
10	The industry shall maintain water curtain in ash ponds as the fly ash is exposing to atmosphere and causing dust emissions during wind blow.	Noted and being complied with
11	The industry shall establish a dedicated Environmental cell for continuous monitoring of plant environment to ensure compliance of CFO conditions.	Dedicated Environment Management cell is in place to ensure compliance to CFO and EC Conditions.
12	Thick green belt shall be maintained by the industry covering an area of 33% of total area.	Presently green belt is being developed in and around the power project area in consultation with DFO and an area of 252 acres has already been developed. Further development of Green belt continuous.
13	The industry shall not exceed of emissions standards at any point of time. In case the industry exceeds the standards in the CEMS data, environmental compensation will be levied.	Noted
14	The industry shall treat the cooling waste waters to the marine coastal standards and the domestic waste waters to the on land for irrigation standards stipulated under Environmental (protection) Rules, 1986 as amended upto date, notified under Environment (Protection) Act,1986 by Ministry of Environment and Forest, Govt of India.	Noted
15	The industry shall maintain suitable control equipment facilities in the coal handling plant and dust suppression in all coal and material handling areas shall be achieved through appropriate methods.	Noted and being complied
16	The industry shall maintain duly compacted soil cover of requisite thickness as per norms for the ash ponds to avoid dust pollution and report the compliance to RO Visakhapatnam.	Noted
17	All the conditions/recommendations stipulated by A.P. Coastal Zone Management Authority vide letter No. 245/Env/CZMA/2015 dated 06.07.2015 shall be complied with.	Noted and being complied
18	All the conditions stipulated in the CRZ clearance granted by this Ministry vide letter No. 11-58/2011-IA-III dated 3 rd January, 2014 and subsequent amendment dated 17 th March, 2015 shall remain unchanged.	Noted and being complied
19	The PP shall use multi diffuser in the outfall. As suggested by NCSCM, the thermal water release shall be release at 10 m depth from the 8 diffuser.	Noted and being complied with
20	A monitoring system shall be deployed by the PP to assess the movement of thermal plume in and around the outfall coolant water jetty due to the occurrence of thermal plume oscillation in south-north direction during monsoon and also to monitor the impact of hot water discharge into the Sea and the flora and fauna. The PP shall comply with at the directions of APCZMA and take necessary	Noted and being complied with

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	corrective measures wherever required.	
21	The PP shall take all necessary clearance from the concerned authorities viz-a-viz from the concerned State Pollution Control Board.	Noted and being complied with
22	Care should be taken to ascertain minimal impact on the shoreline change due to construction of coastal structures. For this purpose, shoreline change shall be monitored using satellite imagery and by beach profile studies at regular intervals.	Noted and being complied with
23	The industry shall comply with the conditions stipulated in MoEF&CC, GoI amendment in CRZ Clearance Order dated 01.10.2015.	Noted and being complied with
24	The industry shall comply with the conditions stipulated in Amendment to the EC order dated 01.10.2015 regarding interim arrangement for the sea water intake and outfall system.	Noted and being complied with
SCHEDULE – C [see rule 6(2)]		
[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]		
1	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Noted and being complied with
2	The authorisation shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.	Noted
3	The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	Noted
4	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	Noted
5	The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;	Noted and being complied with
6	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".	Noted and being complied with
7	It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.	Noted
8	An application for the renewal of an authorization shall be made as laid down under these Rules.	Noted and being complied
9	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted
Specific Conditions:		
10	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	Noted and being complied
11	The industry shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.	Noted and being complied
12	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Noted and being complied
13	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the	Noted and being complied

Compliance Status Report to Environmental Clearance of M/s Hinduja National Power Corporation Limited vide Letter No: J-13011/11/90-IA-II(T) dated 3rd September, 1996 and F. No: 11-58/2011-IA-III dated 3rd January, 2014, 17/19th March, 2015 and CFO No: APPCB/VSP/VSP/19/HO/CFO/2020 dated 06th March, 2020

Compliance Status Report

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	manufacturers / dealers on buyback basis.	
14	The industry shall transport the hazardous waste through vehicle fitted with GPS tracking system.	Noted and being complied
15	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	Noted and being complied
16	The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Noted and being complied