Half Yearly Compliance Report
2025
01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	GRASIM INDUSTRIES ,GANJAM ,CHEMICAL DIVISION ,ODISHA
Name of Entity / Corporate Office	GRASIM INDUSTIRES
Village(s)	N/A
District	GANJAM

Proposal No.	SIA/OR/IND2/16242/2016
Plot / Survey / Khasra No.	N/A
State	ODISHA
MoEF File No.	3728/SEIAA2016/25/2017

Category	Industrial Projects - 2
Sub-District	N/A
Entity's PAN	*****4464B
Entity name as per PAN	GRASIM INDUSTRIES LIMITED

Compliance Reporting Details

Reporting Year 2025

Remarks (if any)

Reporting Period 01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office GRASIM INDUSTIRES

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0130	30
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	130	30

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	CAUSTIC SODA	Tons per Annum (TPA)	31/03/2028	105000	65437.000 MT	105000
2	LIQUID CL2	Tons per Annum (TPA)	31/03/2028	73000	37102	73000
3	SODIUM HYPO	Tons per Annum (TPA)	31/03/2028	33700	10138	22500
4	HCL	Tons per Annum (TPA)	31/03/2028	90000	69075	22500
5	PAC	Tons per Annum (TPA)	31/03/2028	73000	46941	49,275

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Manufacturing process of Chlor alkali shall be based on membrane cell technology. No. Mercury cell shall be used Construction activities are as per the approved layout plan approved by Odisha Pollution Control Board vide letter No. 10807 dated 10.07.2023. No expansion undertaken over mercury-contaminated sites. A study shall be carried out indicating impact of drawl of 1140 m3/day of additional ground water on the salinity of water due to ingress of saline water and submit the same to the SEIAA within three months from the date of issue of this letter. Project proponent shall carry out regular monitoring of ground water and soil around secured landfill for Hg content in water. The project proponent shall obtain permission and recommendation of Archeological Survey of India regarding impact of proposed expansion on the Potagarh archeological site.

General Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	The plant control measures for checking fugitive emission from all the venerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling and conveyance of chemicals/ materials, multi cyclone separators and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emission. Fugitive emission in work zone environment, product raw material storage area shall be regularly monitored and record maintained. The emission shall conform to the limits stipulated by OSPCB. Proper hood along with suction facility and scrubbing arrangement should be provided in all the chlorine storage area. Alarm for chlorine leakage if any in the liquid chlorine storage area shall be provided along with automatic start of the scrubbing system. The company shall upload the status of compliance of the stipulated

		environmental Clearance conditions including results of monitored data on its website and shall update the same periodically. It shall simultaneously be send to the regional office of MOEFCC, Bhubaneswar the respective zonal office of CPCB and the OSPCB. The levels of PMIO, S02, NOx, C12, HCL and CO in ambient air and emission from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places
2	AIR QUALITY MONITORING AND PRESERVATION	The plant control measures for checking fugitive emission from all the venerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling and conveyance of chemicals/ materials, multi cyclone separators and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emission. Fugitive emission in work zone environment, product raw material storage area shall be regularly monitored and record maintained. The emission shall conform to the limits stipulated by OSPCB. Proper hood along with suction facility and scrubbing arrangement should be provided in all the chlorine storage area. Alarm for chlorine leakage if any in the liquid chlorine storage area shall be provided along with automatic start of the scrubbing system. The company shall upload the status of compliance of the stipulated environmental Clearance conditions including results of monitored data on its website and shall update the same periodically. It shall simultaneously be send to the regional office of MOEFCC, Bhubaneswar the respective zonal office of CPCB and the OSPCB. The levels of PMIO, S02, NOx, C12, HCL and CO in ambient air and emission from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places

Visit Remarks

Last Site Visit Report Date:	20/09/2025
Additional Remarks:	DUE TO ON GOING REMEDIATION PROJECT REGULAR VISIT OF CPCB AND SPCB IS GOING ON CTO FOR AGRO BASED BOILER COMPLETION CTE INSPECTION OVER FOR BRICKS CTO COMPLIANCE OF PAC INSPECTION OVER

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

ADITYA BIRLA
GRASIM

Ref. No. GIL/ENV/282/2025-26
Date: 12-12-2025

To,
The Joint Director
Ministry of Environment, Forests and Climate Change
Govt. of India
Eastern Regional Office
A/3, Chandrasekharpur,
Bhubaneswar-751023

Sub: Six Monthly compliance report (April 2025 to September 2025) for the conditions of Environmental Clearance, issued by SEIAA, Odisha for expansion of production capacity of Caustic soda from 72000TPA to 105000TPA, its Bi-products and value added derivatives by Grasim Industries Limited, Ganjam.

Dear Sir,
We are enclosing herewith six monthly compliance report for the conditions of Environmental Clearance, issued by SEIAA, Odisha for expansion of production capacity of Caustic soda from 72000TPA to 105000TPA, its Bi-products and value added derivatives.

This is for your kind information.

Thanking you.
Yours faithfully,
For Grasim Industries Limited,
Chemical Division-Ganjam

Ajay Kumar Gupta
Unit Head
Encl: As above
CC to:

1. Regional Director, Central Pollution Control Board, Southern Conclave, Block-502, 5th & 6th Floor, 1582, Rajdanga Main Road, Kolkata, WB-700107
2. Member Secretary, State Pollution Control Board, Odisha
   A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012

Compliance status of conditions (April-2025 to September-2025) stipulated in Environmental Clearance File No. 16242/10-IND-06-2016 date 25.10.17 of M/S. Grasim Industries Limited, for expansion of production Capacity of caustic soda from 72000 TPA to 105000 TPA its Bi-Products and value added Derivatives At-Jayshree, Ganjam

A. Specific Conditions

S.No.	Conditions Details	Compliance Status
1	Manufacturing process of Chlor alkali shall be based on membrane cell technology. No. Mercury cell shall be used	Manufacturing process is based on the Membrane Cell Technology.
2	The project proponent shall not establish the expansion project over mercury contaminated sites over which OSPCB has stipulated condition for remediation.	Construction activities are being carried out strictly as per the approved layout plan granted by the Odisha Pollution Control Board *vide* Letter No. 10807 dated 10.07.2023. No construction or expansion activities have been undertaken over mercury-contaminated sites.
3	A study shall be carried out indicating impact of drawl of 1140 m3/day of additional ground water on the salinity of water due to ingress of saline water and submit the same to the SEIAA within three months from the date of issue of this letter.	A study report assessing the impact of additional groundwater drawl on salinity has been submitted to the SEIAA *vide our* Letter No. GIL/UH/1207/2018-19 dated 01.02.2018.
4	Project proponent shall carry out regular monitoring of ground water and soil around secured landfill for Hg content in water.	Monitoring of mercury (Hg) content in both groundwater and soil around the secured landfill is being carried out on a regular basis. **(Annexure-1)**
5	Prior permission for the drawl of additional 1140 m3/day of CGWA/ Water Resource Dept. Govt. of Odisha shall be obtained.	We have received permission from the Central Ground Water Authority (CGWA) for the drawl of an additional 1140 m^3/day of water, as per Letter No. 21-4(17)/SER/CGWA/2007-27 dated 07 June 2019.
6	The project proponent shall obtain permission and recommendation of Archeological Survey of India regarding impact of proposed expansion on the Potagarh archeological site.	We have obtained NOC/permission from the Office of the Superintendent, Odisha State Archaeology on 02 April 2018, which is valid up to 26 May 2026. **(Annexure -2)**
7	The project proponent shall conduct a feasibility study for alternative sources of water to minimize the impact on ground water resources for proposed expansion project. After conducting feasibility study	For a long-term and sustainable solution, we have conducted a study to identify an alternate surface water source. Accordingly, we obtained surface water withdrawal permission from the Water Resources Department, Government of

	they shall prepare action plan for sourcing water.	Odisha, *vide* Letter No. 29485/WR dated 18.12.2019. We have engaged M/s GPS Engineering for the project related to surface water withdrawal from the Rushikulya River, and the project is currently ongoing.
8	The project proponent shall explore the alternative of possibility to install desalination plant to minimize the ground water drawl.	The industry in exploring the possibility to install De-salination plant. M/S Indomer Costal Hydraulic Ltd Chennai is engaged to conduct marine monitoring and prepare detailed report for further approval processes. We received the CRZ clearance for this project dated 10th Aug, 2023 **(Annexure-3)**
9	The project proponent shall increase the height of embankment of existing guard reservoir to avoid the over flow.	The condition has been complied.
10	The project proponent shall conduct the hydrological study for pre monsoon (April) and monsoon (November) of the area and submit the report to SEIAA Odisha by June 2018 as proposed.	Hydrological study for pre monsoon and post monsoon is conducted by a third party agency and the final report is submitted to SEIAA, Odisha vide letter no GIL/UH/240/2018-19 dated 2nd July 2018.
11	The proposed expansion unit 525KLD of RO reject shall be generated which shall be further treated in Second RO. The second RO product of 395 KI.D shall be used in the cooling makeup and reject of 130 KLD shall be utilized in the industrial process like cylinder washing, fire hydrant makeup, and washrooms for flushing.	Complied with. In addition, industry has installed wastewater recovery plant of capacity 600 KLD; where the reject water from RO is treated and reused in process, Moreover, we had installed 120 KLD capacity ZLD/MEE plant to reuse the industrial effluent and maintaining the Zero Liquid Discharge (ZLD).
12	Adequate air pollution control measures along with adequate stack shall be provided to boiler to control particulate emission within 50 mg/nm3. The waste gases shall be discharged in to the atmosphere through stack of adequate height as per CPCB/OSPCB	Hydrogen gas is used as the main fuel, while LDO serves as the make-up fuel in the boiler for steam generation. Adequate stack height has been provided to ensure proper dispersion of emissions. Regular monitoring of emissions is conducted by a MoEF&CC- recognized and NABL-accredited laboratory on a routine basis. **(Annexure-4).**
13	The proponent shall take steps to increase the hydrogen utilization as fuel in the boiler.	Hydrogen utilization as fuel is 100% in 12 TPH capacity boiler.
14	Adequate scrubbing system shall be provided to control C12 emission less than 15 mg/Nm3 and control HCL emission less than 35 mg/ Nm3. Online chlorine analyzer along with alarm indicator shall be installed in the chlorine stack with minimum reading of I PPM and it will be connected to DCS control room. Efficiency of scrubber shall be	An adequate water scrubber has been installed in the HCl plant, and an alkali scrubber in the chlorine plant to control gaseous emissions. Additionally, Online Continuous Emission Monitoring Systems (OCEMS) have been installed on both plant stacks. These systems are connected to the DCS control room and are

	monitored regularly and maintained properly.	linked to the CPCB/OSPCB server for continuous compliance monitoring.
15	The gaseous emissions (SO2, NOx, C12, HCI) and particulate matter from Boiler and process stacks shall conform to the norms prescribed by CPCB/OSPCB from time to time. At no time the emission level shall go beyond the prescribed standard. The system shall be interlocked with the pollution control equipment's so that in case of increase in pollutants beyond permissible limit, plant should be automatically stopped. In event of failure of any pollution system adopted by the unit the respective unit shall not be restarted until the control measure are rectified to achieve the desired efficiency. Stack monitoring shall be done regularly and report shall be submitted to OSPCB and the Ministry's regional office at Bhubaneswar.	The gaseous emissions from the plant are well within the permissible norms. An interlocking facility has been provided with the Air Pollution Control (APC) systems to ensure safety and operational compliance. Stack monitoring is conducted regularly, and the reports are submitted to OSPCB as well as the Ministry's Regional Office in Bhubaneswar. **(Annexure-5)**
16	The plant control measures for checking fugitive emission from all the venerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling and conveyance of chemicals/ materials, multi cyclone separators and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emission. Fugitive emission in work zone environment, product raw material storage area etc shall be regularly monitored and record maintained. The emission shall conform to the limits stipulated by OSPCB.	Various measures are adopted to control fugitive emissions. Major raw materials (salt) are covered by tarpaulin with adequate dyke wall. The other chemicals like Barium Carbonate, Soda Ash etc. are stored in closed godown. The finished products are in the form of liquid, which is stored in storage tanks, HCI and Cl_2 storage tanks are connected to Sodium Hypo plant to avoid fugitive emission. Online Chlorine detectors (37 Nos) are installed near Chlorine and HCI handling area.
17	Proper hood along with suction facility and scrubbing arrangement should be provided in all the chlorine storage area. Alarm for chlorine leakage if any in the liquid chlorine storage area shall be provided along with automatic start of the scrubbing system.	Chlorine storage tanks are always connected with the hypo plant. A suction blower along with hood is also in place at chlorine filling area and is connected to hypo plant. Online chlorine detectors with alarm system are connected with DCS of Control room.
18	The proponent shall provide solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly. The proponent shall use solar/ renewable energy of 5% of the expected actual power requirement.	Solar lighting system over the roads, parking areas, and colony is installed. Power requirement, which is currently sourced through grid, have component of renewable energy in the form of Tariff. However, we will explore the possibility of solar power through generators located within the state of Odisha.

19	The gaseous emission from DG set shall be discharged through adequate stack height as per CPCB standard. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	The existing DG sets are equipped with adequate stack heights and acoustic enclosures, ensuring compliance with CPCB standards for emissions and noise control.
20	The company shall upload the status of compliance of the stipulated environmental Clearance conditions including results of monitored data on its website and shall update the same periodically. It shall simultaneously be send to the regional office of MOEF &CC, Bhubaneswar the respective zonal office of CPCB and the OSPCB. The levels of PMIO, S02, NOx, C12, HCL and CO in ambient air and emission from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	The compliance conditions of EC are being uploaded on the company website regularly, and the compliance status along with monitoring data is being submitted to the Regional Office of MoEF&CC on a regular basis. Stack and ambient air quality monitoring data are being displayed at the factory main gate and also submitted to OSPCB, ensuring public access and regulatory compliance.
21	Efforts shall be made to reduce the fresh water required by adopting 3R's (reduce recycle and reuse) concept.	It is our constant endeavor to reduce water consumption through 3R principle. Various initiatives have been taken like recycle of vapor condensate, seal cooling water, and other process water recovery measures..
22	Industrial effluent generation shall not exceed 95 m3/day and treated in ETP. Treated effluent shall be collected in guard pond. Regular water quality monitoring of guard pond shall be carried out and water quality of effluent shall meet the norms prescribed by CPCB/OSPCB. Domestic waste water shall be treated in STP. Water quality of treated effluent shall be monitored regularly.	Industrial effluent generation is limited to 95 KLD. The treated effluent is discharged to new guard pond (Geo synthetic clay lined) for solar evaporation. Online Effluent Quality Monitoring System (EQMS) is provided to monitor the parameters like pH, TSS and Flow. Data is continuously transferred to OSPCB/CPCB server. Company has installed STP (200 KLD) to treat domestic effluent generated from the plant and colony. The treated effluent is used for horticulture purposes. Quality is monitored regularly through NABL accredited, MoEF&CC recognized and OSPCB empaneled laboratory.
23	No effluent shall be discharged outside the premises and Zero discharge concepts shall be adopted.	No effluent is discharged outside the premises. The Process effluent is treated in the ETP and treated effluent is stored in the new guard pond for solar evaporation. Multi Effect Evaporation Unit (MEE) and ATFD are installed to recover water from process wastewater.
24	Process effluent / any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Storm water drains are separate from the process streams and ensuring no mixing. The storm water is passed through settling pond. And During the rainy season, the pH of drain water at various locations is regularly tested in our NABL-

		accredited laboratory to ensure compliance with environmental standards.
25	The company shall obtain Authorization for collection, Storage, and disposal of hazardous waste under Hazardous and other waste (Management and transboundary Movement) rules -2016 for management of hazardous waste and prior permission from OSPCB shall be obtained for disposal of Solid/ hazardous waste.	The company has a valid authorization from OSPCB for the management of hazardous waste, valid till 31.03.2027, We are ensuring full compliance with all applicable regulatory requirements at all times.
26	The proponent shall strictly comply with the rules and guidelines under manufacturer, Storage and Import of Hazardous Chemicals (MSIHC) Rules 1989 and amended. All transportation of hazardous chemicals shall be as per the Motor Vehicle Act 1989.	The company has complied with these requirements, and the procedures are being strictly followed.
27	The company shall undertake following waste minimization measures. i. Metering and control of quantities of active ingredients to minimize waste. ii. Re use of by products from the process as raw materials or as raw material substitutes in other process iii. Use of automated filling to minimize spillage iv. Use of closed feed system into batch reactors. v. Venting equipment's through vapor recovery system vi. Use of high pressure hose for equipment cleaning to reduce waste water generation.	The company has implemented the following arrangements to ensure environmental protection, resource efficiency, and emission control: 1. Metering of water usage at various points to monitor and optimize consumption. 2. Concentrates from water scrubber is used in product. 3. Recycling of lean brine back into the process. 4. Use of better quality salt to reduce sludge generation. 5. HCI storage tanks are connected to Hypo plant to avoid emission and vapor recovery. 6. Continuous monitoring on vents and stacks. 7. Continuous process with closed vessels and pipes. 8. High/ low level indications in the storage tanks with automatic level controller through DCS. 9. Installation of waste water recovery plant. 10. ETP Recycle system , MEE and ATFD are installed.
28	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per norms.	We have provided well-equipped fire hydrant system, fire extinguishers, smoke detectors, and fire alarm systems at required places, and we have fire tenders available inside our plant premises.
29	Occupational health surveillance of the workers shall be done on regular basis and record maintained as per factories Act	Occupational health surveillance of the workers is carried out on regular basis as per the factories Act and records maintained.

30	Green belt shall be developed in 42.90 acres (33% of the area as proposed) as per the CPCB guidelines in consultation with DFC). Thick greenbelt with suitable plant species shall be developed around the proposed pesticide4 unit to mitigate the odor problem, Selection of plant species shall be as per CPCB guideline	Plantation is undertaken in the colony, plant periphery, plant, vacant land, school premises etc which is approximately 46 acres which is about 35.4% of the total land. During the celebration of "Ek Ped Maa Ke Naam" and Ozone Day, the company conducted tree plantation activities. A total of 4,000 trees were planted at various locations, including the staff colony, behind Jayshree School, in front of the factory main gate, and the worker colony ground, to promote environmental awareness and enhance green cover.
31	All commitments made during the public hearing/ public consultation meeting held on 23rd May 2017 shall be satisfactorily implemented and adequate budget provision should be made accordingly	Commitments made during the public hearing/consultation are being implemented.
32	At least 5% of the total cost of project should be earmarked towards Enterprise Social Commitment based on local needs and item wise detail along with time bound action plan should be prepared and submitted to Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	An action plan in this regard has been submitted vide our letter no GIL/UH/22/ 2018-19 dated 06.04.2018 and being implemented. During last 6 months, we have spent Rs 20Lacs on various activities.
33	The company shall submit within three months their policy towards Corporate Environment Responsibility, which shall inter alia addresses i. Standard Operating process/ procedures to being into focus any infringement/ deviation/ violation of environmental of environmental and forest norms/ conditions. ii. Hierarchical Systemor administrative order of the company to deal with environmental issues and ensuring compliance to the environmentalclearance conditions. iii. System Of reporting of non compliance/ violation environmental norms to the board of Directors of the company and / or stakeholders or share holders.	The same has been submitted on 01.02.2018. The company has prepared and submitted its Corporate Environment Responsibility (CER) policy within the stipulated timeframe. The policy includes SOPs for identifying any environmental infringements, a hierarchical system for addressing environmental issues, and a mechanism for reporting non-compliance to the Board of Directors and stakeholders.
34	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe	All required arrangements were provided and implemented during the execution of the project to ensure safety, environmental compliance, and smooth operation.

	drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	

B. General Conditions

S.No.	Conditions Details	Compliance Status
1	The project authorities shall strictly adhere to the stipulation made by OSPCB	We abide by these stipulations and ensures compliance in all operations.
2	The national Ambient Air Quality Emission standards issued by Ministry Vide GSR No. 826(E) dated 16th November 2009 shall be followed.	Ambient air quality is monitored regularly by a NABL-accredited, MoEF&CC- recognized, and OSPCB-empaneled laboratory, and this practice will continue on an ongoing basis. The monitoring reports are attached as **Annexure-6**. In addition, one Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed within the premises, and two more stations are planned for installation to enhance real-time monitoring coverage.
3	No further expansion or modification in the plant shall be carried out without prior approval of the MoEF &CC, Govt of India. In case of deviation or alternations in the project proposals from those submitted to SEIAA, Odisha for clearance a fresh reference shall be made to the SEIAA, Odisha to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.	Noted , We confirm that no expansion or modification has been undertaken without obtaining prior approval from the **MoEF&CC**. In the event of any proposed deviation or alteration, the company shall submit a fresh reference to SEIAA, Odisha for necessary review and further guidance. We are fully committed to strict compliance with all stipulated regulatory requirements.
4	The location of ambient air quality monitoring stations shall be decided in consultation with the OSPCB and it shall be ensured that at least one station is installed in the up wind and down wind direction as well as where maximum ground level concentration are anticipated.	Ambient Air quality monitoring are being carried out six locations regularly by NABL accredited, MOEF recognized, board empaneled laboratory, for PM25 PM1O, SOX, NOX, Cl_2, HCI and CO (as per specific condition No 20 of Environmental Clearance) the same will be continued. The reports of monitoring are attached as **(Annexure-7).** In addition, three no of CAAQMS are installed.

5	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient level noise shall conform to the standards prescribed under EP act 1986 Rules 1989 viz 75 dBA (daytime) and 70 dBA (night-time) .	Effective control measures like periodic maintenance of equipment's, acoustic enclosures in DG is provided. Noise level in the periphery of industry is measured regularly. The reports are attached as **(Annexure- 8)**
6	The company shall harvest rainwater from the roof tops of buildings and storm water drains to recharge the ground water and use the same water for process activities of the project to conserve fresh water.	Company has taken measures for ground water recharge of more than 2,23,000 m3/Year comprising of check dams (2 nos) and roof top collection (21 nos). The detail of ground water recharge measures are summarized in **(Annexure-9)**
7	During transfer of materials, spillage shall be avoided and garland drains be constructed to avoid mixing of accidental spillage with domestic waste water and storm water drains.	The products are transferred through pipeline. Storage area have adequate dyke wall. Process area like brine plant, Cell house, evaporation plant is connected to ETP to avoid any spillage to outside. Other chemicals are stored in shed. Domestic wastewater and storm water drains are separate from each other.
8	Usage of personal protection equipment by all employees/ workers shall be ensured.	Mapping of site/ section specific PPE requirement has been done and displayed, depending upon the type of job being carried out like, Hot work, work at height, work on chemicals, confined spaces etc. Accordingly, PPE are provided to all workers.
9	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken regular basis. Training to all employees on handling of chemicals shall be imparted.	In house and outsourced training being carried out for employees on safety, health and plant operation aspects.
10	The company shall also comply with all the environmental protection measures and safe guards proposed in the project report submitted to SEIAA, Odisha. All the recommendations made in the EIA/ EMP in respect of environmental management, risk mitigation measures and public hearing relating to project shall be implemented.	We adheres to all environmental protection measures and safeguards proposed in the project report submitted to SEIAA, Odisha. All EIA/EMP recommendations, including environmental management, risk mitigation, and public hearing commitments, are fully implemented.
11	The company shall undertake CSR activities and all relevant measures for improving socioeconomic conditions of the surrounding area.	An action plan in this regard has been submitted vide our letter no. GIL/UH/ 22/2018-19 dated 06.04.2018 and is being implemented. **(Annexure-10)**

12	The company shall undertake eco-development measures including community welfare measures in the project area for overall improvement of environment.	Eco-development plan has been submitted to OSPCB vide our letter No. GIL/UH/30/2018-19 dated 13.04.2018 and being implemented for overall improvement of Environment. During last 6 months, we have spent Rs 20Lacs on various activities.
13	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out environmental management and monitoring functions.	We have a full-fledged Environment Cell, laboratory, and head of the cell report to Unit Head.
14	The company shall earmark sufficient funds for recurring costs per annum to implement the conditions stipulated by SEIAA, Odisha as well as the state government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	We have separate budget allocation for Environment Management. The budget allocated is specifically used for complying various stipulation made by CPCB, OSPCB, SEIAA and MoEF.
15	A copy of clearance letter shall be sent by the project proponent to the concerned panchayat/ Zilla Parisad / Municipal Corporation,, urban Local body and local NGO, if any from who suggestions / presentations if any were received while processing the proposal.	We have given public notice in two local newspaper regarding environment clearance accorded by the project and its availability on web page (Newspapers "Samvadh" Dated 07-06-2021 and "Pramay" dated 24-08-2023 and "The New Indian Express" dated 24-08-2023)
16	The project proponent shall also submit the six monthly compliance reports on status of compliance of the stipulated Environment clearance Conditions including results of monitored data (both in hard copies as well as by Email) to the respective regional office of MoEF & CC , Bhubaneswar the respective zonal office of CPCB and OSPCB. A copy of the Environmental clearance and six monthly compliance status report shall be posted on the website of the company.	Six-monthly compliance reports along with monitored data are regularly submitted to the Regional Office of MoEF&CC, Bhubaneswar, CPCB Zonal Office, and OSPCB in both hard copy and email. Copies of the Environmental Clearance and the six-monthly compliance reports are also uploaded on the company's website.
17	The environmental statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to OSPCB as prescribed under EP Rules 1986 as amended subsequently, shall also be put on the website of the company along with status of compliance of environment clearance conditions and shall also be sent to regional office of MoEF & CC, Bhubaneswar b e-mail.	Complied and being followed

18	The project proponent shall inform the public that the project has been accorded environment clearance by SEIAA, Odisha and copies of clearance letter are available with the SPCB and may be seen at website of the SEIAA, Odisha. This shall be advertised within seven days from the date of issue of clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry	Complied. We have submitted the details vide our letter No. GIL/UH/973/2017-18 dated 17.11.2017
19	The project authorities shall inform the regional office of MoEF &CC, Bhubaneswar as well as to SEIAA, Odisha the date of financial closure and the final approval of the project by the concerned authorities and the date of the start of the project	Project is self-financed through internal accrual.
20	The above conditions shall be enforced, inter alia under the provisions of the water (prevention &Control of Pollution) Act 1974, the Air (prevention and control of pollution) Act 1981, the Environment Protection Act 1986, Hazardous & other waste Management & Transboundary Movement) Rules 2016 and Public (Insurance) Liability Act 1991 along with their amendments.	We ensure full compliance with all conditions enforced under the Water Act, 1974, the Air Act, 1981, the Environment (Protection) Act, 1986, and the Hazardous & Other Waste Management Rules, 2016, as well as the Public Liability Insurance Act, 1991 and their amendments. All applicable legal provisions are being strictly adhered to.
21	Any appeal against this clearance shall lie within the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act 2010	We acknowledge that any appeal against this clearance lies with the National Green Tribunal (NGT) and must be filed within 30 days, as per Section 16 of the NGT Act, 2010. The company remains fully aware of and compliant with this legal provision.

Annexure- 01

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORTS

Ref: **ENVLAB/25-26/TR-18290** *Date:* **25.06.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited Chemical Division, Ganjam**			
Date of Sampling	:	**21.06.2025**	Sample Received on	:	**22.06.2025**
Sample Description	:	**Soil Quality**	Sampling Procedure		VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**S-1**	Sampling Location	:	**SLF East Corner**
Sample Condition	;	Air Tight Sealed Pouch	Sampling done by	:	VCSPL Representative
Test Started on	:	**22.06.2025**	Test Completed on	:	**24.06.2025**

Sl No.	Name of the Parameter	Unit	Testing Method	Analysis Result
				S-1
1	pH Value at 25 °C	--	IS:2720(P-26):1987 (RA :2016)	7.64
2	Electrical Conductivity	**µs/cm**	IS 14767;2000	134
3	Mercury as Hg	**mg/kg**	USDA: 1954- page 121	BDL (<0.01)

BDL Value: Mercury as Hg = 0.01 mg/kg

*** End Report***

Reviewed By

Approved By

TERMS AND CONDITION:-

1. The Test result is relevant only to the item tested.
2. This report shall not be reproduced in full or part without written approval of Visiontek consultancy services.(P) Ltd
3. The laboratory is not responsible for the authenticity of photocopied test report.
4. The test item will not be retained for more than 15 days from the date of issue of test report except in case as required by applicable regulations.
5. The laboratory's responsibility under this report is limited to; proven willful negligence.

Plot No.- M-22 & 23, Chandaka Industrial Estate, Patia, Bhubaneswar, Khordha, Odisha-751024, India Tel.: 0674-3511721
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Visit us at: www.visiontek.org

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORTS

Ref: **ENVLAB/25-26/TR-18291** *Date:* **25.06.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited Chemical Division, Ganjam**			
Date of Sampling	:	**21.06.2025**	Sample Received on	:	**22.06.2025**
Sample Description	:	**Soil Quality**	Sampling Procedure		VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	S-2	Sampling Location	:	**SLF South Corner**
Sample Condition	;	Air Tight Sealed Pouch	Sampling done by	:	VCSPL Representative
Test Started on	:	**22.06.2025**	Test Completed on	:	**24.06.2025**

Sl No.	Name of the Parameter	Unit	Testing Method	Analysis Result
				S-2
1	pH Value at 25 °C	--	IS:2720(P-26):1987 (RA :2016)	7.68
2	Electrical Conductivity	**µs/cm**	IS 14767;2000	133
3	Mercury as Hg	**mg/kg**	USDA: 1954- page 121	BDL (<0.01)

BDL Value: Mercury as Hg = 0.01 mg/kg

*** End Report***

Reviewed By

Approved By

TERMS AND CONDITION:-

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORTS

Ref: **ENVLAB/25-26/TR-18292** *Date:* **25.06.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited Chemical Division, Ganjam**			
Date of Sampling	:	**21.06.2025**	Sample Received on	:	**22.06.2025**
Sample Description	:	**Soil Quality**	Sampling Procedure		VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**S-3**	Sampling Location	:	**SLF South West Corner**
Sample Condition	;	Air Tight Sealed Pouch	Sampling done by	:	VCSPL Representative
Test Started on	:	**22.02.2025**	Test Completed on	:	**24.06.2025**

Sl No.	Name of the Parameter	Unit	Testing Method	Analysis Result
				S-3
1	pH Value at 25 °C	--	IS:2720(P-26):1987 (RA :2016)	7.81
2	Electrical Conductivity	µs/cm	IS 14767;2000	124
3	Mercury as Hg	mg/kg	USDA: 1954- page 121	BDL (<0.01)

BDL Value: Mercury as Hg = 0.01 mg/kg

*** End Report***

Reviewed By

Approved By

TERMS AND CONDITION:-

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORTS

Ref: **ENVLAB/25-26/TR-18293** *Date:* **25.06.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited Chemical Division, Ganjam**			
Date of Sampling	:	**21.06.2025**	Sample Received on	:	**22.06.2025**
Sample Description	:	**Soil Quality**	Sampling Procedure		VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**S-4**	Sampling Location	:	**SLF North West Corner**
Sample Condition	;	Air Tight Sealed Pouch	Sampling done by	:	VCSPL Representative
Test Started on	:	**22.06.2025**	Test Completed on	:	**24.06.2025**

Sl No.	Name of the Parameter	Unit	Testing Method	Analysis Result
				S-4
1	pH Value at 25 °C	--	IS:2720(P-26):1987 (RA :2016)	7.73
2	Electrical Conductivity	µs/cm	IS 14767;2000	139
3	Mercury as Hg	mg/kg	USDA: 1954- page 121	BDL (<0.01)

BDL Value: Mercury as Hg = 0.01 mg/kg

*** End Report***

Reviewed By

Approved By

TERMS AND CONDITION:-

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ECOKART

Test Report

SAMPLE NOT DRAWN BY ECOKART TECHNOLOGY PVT. LTD.

TC-12219

TEST REPORT NO.- EKT-TR-49			
DATE OF ISSUE – 22.10.2025			
ULR NO: - TC12219250000000049F			
Sample Particulars		**Sample Details**	
Name of the of Customer	M/s. Grasim Industries Limited (Chemical Division Ganjam), Ganjam, Odisha.	**Type of Source**	Ground Water
		Date of Sample Collection	05.09.2025
		Date of Receipt of Sample	05.09.2025
		Reference Letter No. / Date	EKT/LAB/042025/01/27.05.2025
Sample Package Condition:		**Date of Sample Registration**	06.09.2025
a) Quantity of Sample Received –1000ml (Each)		**Sampling protocol**	Sampling is not applicable for this laboratory
b) Type of Container – PP		**Sample Collected by**	Prakash Mishra
c) Sealed/unsealed: -Sealed	**Sealed**	**Sample Location**	Kalyanipur Borewell No-3

TEST RESULT

Test Started on		**09.09.2025**		**Test Completed on**		**11.09.2025**
Sl No	**Test Parameters**	**Units**	**Results**	**Requirements IS 10500:2012**		**Test Method**
				Acceptable Limit (Maximum limit)	**Permissible Limit (Maximum Limit)**	
1	Temperature	°C	25.3	------	------	APHA 24th Ed. 2023: 2550 B (Laboratory and Field Method)
2	pH@25	pH Unit	7.51	6.5 -- 8.5	No relaxation	APHA 24th Ed. 2023: 4500 H^+ B (Electrometric Method)
3	Turbidity	NTU	1.11	1	5	APHA 24th Ed. 2023: 2130 B (Nephelometric Method)
4	Electrical Conductivity (EC)@25	uS/cm	506	------	------	APHA 24th Ed. 2023: 2510 B (Laboratory Method)
5	Total Dissolved Solids (TDS)	mg/l	328.9	500	2000	APHA 24th Ed. 2023: 2540 C (Total Dissolved Solids Dried at 180°C)
6	Iron (as Fe)	mg/l	0.044	1.0	No relaxation	APHA 24th Ed. 2023: 3500-Fe B (Phenanthroline Method)
7	Colour	Hazen Units	<5	5	15	APHA 24th Ed. 2023: 2120 B (Visual Comparison Method)
8	Odour	Qualitative Observation	Agreeable	**Agreeable**	**Agreeable**	APHA 24th Ed. 2023 :2150 B (Threshold Odour Test)
9	Taste	Qualitative Observation	Agreeable	**Agreeable**	**Agreeable**	APHA 24th Ed.2023: 2160 B (Flavor Threshold Test)

ECOKART

Test Report

TC-12219

SAMPLE NOT DRAWN BY ECOKART TECHNOLOGY PVT. LTD.

TEST RESULT

10	Total Alkalinity (as $CaCO_3$)	mg/l	228	200	600	APHA 24th Ed.2023: 2320 B (Titration Method)
11	Chloride (as Cl)	mg/l	16	250	1000	APHA 24th Ed. 2023: 4500 Cl^- B (Argentometric Method)
12	Total Hardness (as $CaCO_3$)	mg/l	156	200	600	APHA 24th Ed.2023: 2340 C (EDTA Titrimetric Method)
13	Calcium (as Ca)	mg/l	35.27	75	200	APHA 24th Ed.2023: 3500-Ca B (EDTA Titrimetric Method)
14	Magnesium (as Mg)	mg/l	16.52	30	100	APHA 24th Ed.2023: 3500 Mg B (Calculation Method)

Note: The Samples are tested with dilution.

Information on Test Report:

Result relates only to samples received in the Laboratory

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Review by

Ayush Sharma

Technical manager

Prepared by Ecokart Technology Private Ltd

N.Maharana
Quality Manager

Authorized Signatory

******End of Report*****

ECOKART

Test Report

SAMPLE NOT DRAWN BY ECOKART TECHNOLOGY PVT. LTD.

TEST REPORT NO.- EKT-TR-49			
DATE OF ISSUE – 22.10.2025			
ULR NO :- NA			
Sample Particulars		**Sample Details**	
Name of the of Customer	M/s. Grasim Industries Limited (Chemical Division Ganjam), Ganjam, Odisha.	**Type of Source**	Ground Water
		Date of Sample Collection	05.09.2025
		Date of Recipt of Sample	05.09.2025
		Reference Letter No. / Date	Ltr. 102/28.05.2024
Sample Package Condition:		**Date of Sample Registration**	06.09.2025
a) Quantity of Sample Received –1000ml (Each)		**Sampling protocol**	Sampling is not applicable for this laboratory
b) Type of Container - PP		**Sample Collected by**	Prakash Mishra
c) Sealed/unseled: -Sealed	**Sealed**	**Sample Location**	Kalyanipur Borewell No-3

TEST RESULT

Test Started on		**09.09.2025**		**Test Completed on**		**11.09.2025**
Sl No	**Test Parameters**	**Units**	**Results**	**Requirements IS 10500:2012**		**Test Method**
				Acceptable Limit (Maximum limit)	**Permissiable Limit (Maximum Limit)**	
15	Residual, free Chlorine	mg/l	ND	0.2	1.0	APHA 24th Ed. 2023- 4500 Cl
16	Copper (as Cu)	mg/l	<0.05	0.05	1.5	APHA 24th Ed. 2023- 3125 B
17	Manganese (as Mn)	mg/l	<0.08	0.1	0.3	APHA 24th Ed. 2023- 3125 B
18	Sulphate (as SO4)	mg/l	41.25	200	400	APHA 24th Ed.4500; SO42- E
19	Nitrate (as NO3)	mg/l	25.6	45	No Relaxation	APHA 24th Ed. 4500 NO3- D
20	Fluoride (as F)	mg/l	0.0253	1.0	1.5	APHA 24th Ed. 4500 F- C
21	Phenolic Compounds (as C6H5OH)	mg/l	<0.001	0.001	0.002	APHA 24th Ed.2023-9060
22	Mercury (as Hg)	mg/l	<0.001	0.0001	No Relaxation	APHA 24th Ed. 2023-3125-B
23	Cadmium (as Cd)	mg/l	<0.003	0.003	No Relaxation	APHA 24th Ed. 2023-3125-B

ECOKART

Test Report

SAMPLE NOT DRAWN BY ECOKART TECHNOLOGY PVT. LTD.

TEST RESULT						
Test Started on		**09.09.2025**	**Test Completed on: 11.09.2025**			
Sl No	**Test Parameters**	**Units**	**Results**	**Requirements IS 10500:2012**		**Test Method**
				Acceptable Limit (Maximum limit)	**Permissiable Limit (Maximum Limit)**	
24	Selenium (as Se)	mg/l	<0.001	0.01	No Relaxation	APHA 24th Ed. 2023-3125-B
25	Arsenic (as As)	mg/l	<0.001	0.01	0.05	APHA 24th Ed. 2023-4500-CN-E
26	Cyanide (as CN)	mg/l	ND	0.05	No Relaxation	APHA 24th Ed. 2023-3125-B
27	Lead (as Pb)	mg/l	<0.01	0.01	No Relaxation	APHA 24th Ed. 2023-3125-B
28	Zinc (as Zn)	mg/l	<0.05	5	15	APHA 24th Ed. 2023-3125-B
29	Chromium (as Cr)	mg/l	<0.05	0.05	No Relaxation	APHA 24th Ed. 2023-3125-B
30	Mineral Oil	mg/l	<0.05	0.5	No Relaxation	IS 3025 : 39
31	Aluminium (as Al)	mg/l	<0.01	0.03	0.2	APHA 24th Ed.2023-3125 B
32	Boron (as B)	mg/l	<0. 2	0.5	1.0	APHA 24th Ed. 2023-3125-B
33	Salinity	ppt	0.145	--	--	IS :3025(Part B)
34	Total Coliform	MPN/100 ml	Absent	Absent in 100 mL Sample	Absent	APHA 24th Ed.-9223 B
35	Faecal Coliform	MPN/100 ml	Absent	Absent in 100 mL Sample	Absent	APHA 24th Ed.-9223 B
36	E.Coli	MPN/100 ml	Absent	Absent in 100 mL Sample	Absent	APHA 24th Ed.-9223 B
37	Depth of Water Level	Meter	24.6 meter	----	-----	.....

Note: The Samples are tested with dilution.

Information on Test Report:

Result relates only to samples received in the Laboratory

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Review by

Ayush Sharma

Technical manager

Prepared by Ecokart Technology Private Ltd

N.Maharana
Quality Manager

Authorized Signatory

******End of Report******

ECOKART TECHNOLOGY PRIVATE LIMITED
Office No 630, 6th Floor, Esplanade One Mall, Rasulgarh, Bhubaneswar, Odisha - 751010

Annexure-2

OFFICE OF THE SUPERINTENDENT: ODISHA STATE ARCHAEOLOGY:
1ST FLOOR: SANSKRUTI BHAWAN: BHUBANESWAR: 751014

No. 556 /ARCH., Dated the., 27-05-2025

From,

The Superintendent,
Odisha State Archaeology,
Bhubaneswar.

To,

Sri Ajay Kumar Gupta,
Unit Head, GRASIM Industries Ltd.
Chemical Division, Ganjam. Po- Jayshree, Dist- Ganjam (Odisha),
Pin-761025.

Sub: **Renewal of No Objection Certificate.**

Ref:- **Your letter No. GIL/UH/312/2024-25 dt.24.01.2025.**

Sir,

In inviting a reference to the subject cited above, I am to say that No Objection Certificate given by this office for the proposed expansion of your plant vide letter No.3089/Arch dt.19.06.2024 for a period of one year which expired on 26.05.2025. No visible negative impact of the plant i.e. GRASIM Industries Ltd. Chemical Division, Ganjam is noticed on the State Protected Monument of Ganjam Fort, Ganjam neither any past records are available regarding any deteriorative impact.

Therefore, there will be **No Objection** by this office for the proposed expansion/ operation of the plant by GRASIM Industries, Ganjam. The permission is valid for one year upto 26.05.2026 and subject to renewal.

Yours faithfully

Superintendent
Odisha State Archaeology, Bhubaneswar

Annexure-03

F. NO.11/12/2023-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)

Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi – 110003
Dated: 10th August, 2023

To

M/s Grasim Industries Private Limited
Grasim Industries,
Chemical Division, Ganjam,
Odisha- 761025
Email: suchismita.patnaik@adityabirla.com

Subject: Proposal for Setting up of 5 MLD desalination plant at Ganjam by M/s Grasim Industries Private Limited – Regarding.

Sir,

This has reference to your proposal No. IA/OR/CRZ/418559/2023 dated 14/03/2023 on the above mentioned project proposal for CRZ Clearance in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2019 issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for Setting up of 5 MLD desalination plant at Ganjam by M/s Grasim Industries Private Limited.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 323rd meeting held on 23/03/2023 and 331st meeting held on 21/06/2023. The project proponent (M/s Grasim Industries Private Limitted) and their consultant (M/s Indomer Coastal Hydraulics (P) Ltd.) has made detailed presentation and informed the followings:

(i) The proposal is for CRZ clearance to the project for setting up of 5 MLD desalination plant at Ganjam by M/s Grasim Industries Pvt. Ltd.

(ii) The distance of Intake Channel: LFP 1 to river = 10m and Outfall Pipeline: LFP 1 to LFP 2 = 2422m (Across river), LFP 2 to diffuser = 800 m.

(iii) The proposed Marine facilities is as:

Particulars	UTM Coordinate (Zone 45)		Geographical Coordinates (WGS – 84)		Shifting
	X (m)	Y (m)	Latitude, N	Longitude, E	
LFP 1 – River side (Intake and outfall)	294996	2143819	19°22'40.98"	85°02'53.02"	Same
Intake Channel Distance from LFP 1 into River = 10 m Depth = 0.2 m CD Volume = 12.5 MLD	294991	2143811	19°22'40.72"	85°02'52.84"	Same

LFP 2 (Shifted) – Open seaside (Outfall) Distance of outfall pipeline across the river, i.e., LFP 1 to LFP 2 = 2142 m	296201	2142253	19°21'50.55"	85°03'34.91"	550 m South
Outfall (Shifted) Distance from LFP 2 to diffuser at open sea = 1000 m; Depth = 10.6 m CD Volume = 8 MLD	296639	2141354	19°21'21.47"	85°03'50.26"	635 m South

(iv) Locations of the Outfall LFP & diffuser are as follows:

Pipeline Crossing	Chainage	Pipeline laying method
River crossing at LFP 1	Ch: 0 m to Ch: 412 m (412 m)	Lay on the bed
Pipeline bordering Island 1	Ch 412 m to Ch: 1857 m (1445 m)	Open Trenching
North of Riverbank to HTL (covering LFP 2)	Ch: 1857 m to Ch: 2142 m (285 m)	HDD
LFP 2 to Outfall	Ch: 2142 m to Ch: 3142 m (1000 m)	Open Trenching

(v) The status of various project activities are as:

Sl. No.	Project Details	CRZ- Classification	Length (m)	Total (m)
1.	Proposed Desalination Outfall Pipeline	CRZ-IB	405.72	3222.48
		No Development Zone (CRZ-III)	172.74	
		CRZ - IVA	704.84	
		CRZ – IVB	1939.18	
2.	Proposed Infiltration Gallery Pipeline	No Development Zone (CRZ-III)	215.62	400.6
		CRZ – IVB	184.99	

(vi) The sea water intake: 12.5 MLD and after desalination process, 5 MLD is product water and 7.5 MLD is brine reject.

(vii) The total cost of the project ₹30.0 Crore.

(viii) The Odisha Coastal Zone Management Authority has recommended the proposal for CRZ clearance vide its Letter No. OCZMA/33/2022/5/OCZMA, dated 19/01/2023 and activities are permissible / regulated under Para 5.1.2 (ii), 5.1.2 (xiv), 5.1.2 (xv), 5.1.2 (xviii), 5.3 (i), 5.4 (iii), 5.4 (xiii) of CRZ Notification 2019.

4. The Committee deliberated on the proposal and noted that responses of project proponent are satisfactory. Further, the committee opined that in place of open trenching method of laying across Island within Rushikulya River, HDD may be considered in view expected exposure due to morphological changes of river. In response PP also agreed to implement the same.

5. The Committee, after detailed deliberations and considering the submissions made by the project proponent, has recommended the proposal for CRZ Clearance, subject to certain specific conditions, as stipulated during its 331st meeting held on 21/06/2023 other than standard conditions.

6. Based on the recommendation of the Odisha Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project **for "Setting up of 5 MLD desalination plant at Ganjam by M/s Grasim Industries Private Limited"** under the provisions of the CRZ Notification, 2019 and amendments thereto, subject to the compliance of terms and conditions as under:-

PART A – SPECIFIC CONDITIONS:

(i) All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2019, as amended from time to time.

(ii) The pipeline across Island within Rushikulya River should be laid through Horizontal Directional Drilling (HDD) method.

(iii) There will be no construction activity during the turtle nesting season, if any from 1st January to 30th April of every year.

(iv) In order the preserve the adjacent turtle nesting ground, de-weeding and beach cleaning activities should be carried out throughout two months prior to the nesting season in consultation with state forest department. 2.0 Crore has been allocated as a part of EMP for the same and to be used exclusively for beach cleaning, sea turtle nest and hatchling monitoring activities by the state forest department.

(v) As a part of EMP, Zoological Survey of India or any such nationally reputed government or academic institute will be provided with state of art laboratory equipment that can be used for high quality academic and research purpose for marine and coastal biodiversity.

(vi) Any temporary physical infrastructure setup and excavated material during laying of pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.

(vii) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.

(viii) No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.

(ix) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.

(x) The project proponents certify that there is no legal restriction on the proposed project activities at the proposed site. However, Project Proponent shall comply order/direction, if any, issued by Hon'ble Court/tribunal on the project.

(xi) All the conditions stipulated by the Odisha Coastal Zone Management Authority for CRZ clearance under CRZ Notification, 2019 *vide* letter no. OCZMA/33/2022/5/OCZMA, dated 19/01/2023 and commitments made by the PP before the OCMA and EAC shall be followed in letter and spirit.

(xii) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

PART B - GENERAL CONDITIONS:

(i) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.

(ii) 'Consent to Establish' and/or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.

(iii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.

(iv) All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and/or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.

(v) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

(vi) A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's office for 30 days.

(vii) A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.

(viii) The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

(ix) Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.

(x) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

(xi) The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.

(xii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.

(xiii) The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at **https://parivesh.nic.in/**. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.

(xiv) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.

(xv) The proponent shall upload the status of compliance of the stipulated 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&CC, the respective Zonal Office of CPCB and the SPCB.

(xvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.

7. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

8. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.

9. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

10. Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

11. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

12. This issues with approval of the Competent Authority.

(Dr. H. Kharkwal)
Scientist 'E' (CRZ)

Copy to:

1. The Additional Chief Secretary, Forest, Environment and Climate Change Department, Govt. of Odisha, Kharavel Bhavan, Bhubaneswar, Odisha.
2. The Deputy DGF (C), MoEF&CC, Integrated Regional Office, A/3, Chandersekharpur, Bhubaneswar – 751023, Odisha.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
4. The Member Secretary, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII, Bhubaneswar - 751012, Odisha.
5. The Member Secretary, Odisha Coastal Zone Management Authority 1st Floor, Administrative Building,Regional Plant Resource Centre Campus, Nayapalli, Bhubaneswar- 751015, Odisha.
6. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
7. Guard File/ Record File/ Notice Board/MoEF&CC website.

(Dr. H. Kharkwal)
Scientist 'E' (CRZ)

Annexure-04

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10787** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam .**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-6**	Sampling Location	:	Stack attached to Boiler
Sample Condition	:	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

	1. General Information :	
1.	Emission due to	Combustion of Light Diesel Oil
2.	Material of construction of stack	M. S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
	2. Physical Characteristics of Stack :	
1.	Height of stack from ground level	35.0 m
2.	Diameter of stack at sampling point	2.25 m
3.	Height of the sampling point from ground level	32.5 m
4.	Area of stack	8.457 ^{2}
	3. Analysis/Characteristic of Stack :	
1.	Fuel used	LDO
2.	Fuel Consumption	-
	4. Pollution :	
1.	Details of pollution control devices attached with the stack	Boiler

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Stack Temperature	IS 11255: Part-3, (2008) RA 2019	--	^{0}K	**421**
2.	Velocity	IS 11255: Part-3, (2008) RA 2019	--	m/sec	**12.35**
3.	Quantity of gas flow	IS 11255: Part-3, (2008) RA 2019	--	Nm^3/Hr	**75537.8**
4.	Particulate Matter as PM	IS 11255: Part-I (1985), RA 2019	**50.0**	mg/Nm^3	**30.1**
5.	Sulphur Dioxide as SO_2	IS 11255: Part-2, 2019	**600.0**	mg/Nm^3	**76.4**
6.	Oxides of Nitrogen as NOx	IS 11255: Part-7, 2017	**300.0**	mg/Nm^3	**50.6**

TERMS AND CONDITION:-

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5. The laboratory's responsibility under this report is limited to; proven willful negligence.

*** End Report***

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Reviewed by

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Approved by

VISIONTEK

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: **EnvLab/25-26/TR-10782** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-1**	Sampling Location	:	HCL Stack attached to 35 TPD
Sample Condition	;	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

1. General Information :		
1.	Emission due to	Combustion of HCl
2.	Material of construction of stack	M.S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
2. Physical Characteristics of Stack :		
1.	Height of stack from ground level	20 m
2.	Diameter of stack at sampling point	0.15 m
3.	Height of the sampling point from ground level	19.5 m
4.	Area of stack	0.0177 m^2
3. Analysis/Characteristic of Stack :		
1.	Fuel used	HCl
2.	Fuel Consumption	-
4. Pollution :		
1.	Details of pollution control devices attached with the stack	Water Scrubber Unit

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Hydrochloric Acid as HCl	USEPA 26-A	35	mg/Nm^3	BDL (<1.0)
2.	Acid Mist as H_2S	IS 11255 Part-4, 2006	--	mg/Nm^3	BDL (<0.5)

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VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10783** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-2**	Sampling Location	:	HCL Stack attached to 25 TPD
Sample Condition	;	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

	1. General Information :	
1.	Emission due to	Combustion of HCl
2.	Material of construction of stack	M. S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
	2. Physical Characteristics of Stack :	
1.	Height of stack from ground level	19.7 m
2.	Diameter of stack at sampling point	0.15 m
3.	Height of the sampling point from ground level	18.5 m
4.	Area of stack	0.177 ^{2}
	3. Analysis/Characteristic of Stack :	
1.	Fuel used	HCl
2.	Fuel Consumption	-
	4. Pollution :	
1.	Details of pollution control devices attached with the stack	Water Scrubber Unit

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Hydrochloric Acid as HCl	USEPA 26-A	**35**	mg/Nm^3	**BDL (<1.0)**
2.	Acid Mist as H_2S	IS 11255 Part-4, 2006	--	mg/Nm^3	**BDL (<0.5)**

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VISIONTEK

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: **EnvLab/25-26/TR-10784** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-3**	Sampling Location	:	HCL Stack attached to 60 TPD-A
Sample Condition	;	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

1. General Information :		
1.	Emission due to	Combustion of HCl
2.	Material of construction of stack	M. S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
2. Physical Characteristics of Stack :		
1.	Height of stack from ground level	20 m
2.	Diameter of stack at sampling point	0.15 m
3.	Height of the sampling point from ground level	19.5 m
4.	Area of stack	0.0177 m^2
3. Analysis/Characteristic of Stack :		
1.	Fuel used	HCl
2.	Fuel Consumption	-
4. Pollution :		
1.	Details of pollution control devices attached with the stack	Water Scrubber Unit

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Hydrochloric Acid as HCl	USEPA 26-A	35	mg/Nm^3	**BDL (<1.0)**
2.	Acid Mist as H_2S	IS 11255 Part-4, 2006	--	mg/Nm^3	**BDL (<0.5)**

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TEST REPORT

Ref: **EnvLab/25-26/TR-10785** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-4**	Sampling Location	:	HCL Stack attached to 60 TPD-B
Sample Condition	:	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

	1. General Information :	
1.	Emission due to	Combustion of HCl
2.	Material of construction of stack	M. S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
	2. Physical Characteristics of Stack :	
1.	Height of stack from ground level	150.0 m
2.	Diameter of stack at sampling point	3.2 m
3.	Height of the sampling point from ground level	55.0 m
4.	Area of stack	8.457 ^{2}
	3. Analysis/Characteristic of Stack :	
1.	Fuel used	HCl
2.	Fuel Consumption	-
	4. Pollution :	
1.	Details of pollution control devices attached with the stack	Water Scrubber Unit

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Hydrochloric Acid as HCl	USEPA 26-A	**35**	mg/Nm^3	**BDL (<1.0)**
2.	Acid Mist as H_2S	IS 11255 Part-4, 2006	**--**	mg/Nm^3	**BDL (<0.5)**

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TEST REPORT

Ref: **EnvLab/25-26/TR-10786** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Source Emission**	Sampling Procedure	:	VCSPL/SOP/003, Dt. 01.08.2019
Identification by Customer	:	**ST-5**	Sampling Location	:	Hypo Stack
Sample Condition	;	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Atmospheric Pollution

1. General Information :		
1.	Emission due to	Chlorine Gas
2.	Material of construction of stack	M. S.
3.	Shape of stack	Circular
4.	Whether stack is provided with permanent platform & Ladder	Yes
2. Physical Characteristics of Stack :		
1.	Height of stack from ground level	19.85 m
2.	Diameter of stack at sampling point	0.3 m
3.	Height of the sampling point from ground level	18.7 m
4.	Area of stack	0.707 ^{2}
3. Analysis/Characteristic of Stack :		
1.	Fuel used	Chlorine Gas
2.	Fuel Consumption	-
4. Pollution :		
1.	Details of pollution control devices attached with the stack	Alkali Scrubber Unit

5. Results of sampling & Analysis of Gaseous emission :

Sl. No.	Parameters	Test Method	Standard as per SPCB	Unit of Measurement	Analysis Results
1.	Stack Temperature	IS 11255: Part-3, (2008) RA 2019	--	^{0}K	315
2..	Concentration of Chlorine	USEPA 26A	15	mg/Nm^{3}	BDL (<0.15)

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Annexure-06

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10788** *Date:* **05.08.2025**

Sample Code	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Waste Water**	Sampling Procedure	:	As per IS 3025
Identification by Customer	:	**ETP OUTLET**	Sampling Location	:	ETP Outlet
Sample Condition	;	Ice Preserved	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

1. Chemical Testing

A. Pollution & environment

Sl. No	Parameter	Unit	Testing Methods	General Standard for Discharge of Environmental Pollutants (Inland Surface Water)	Analysis Results
1.	pH Value (at 25 °C)	--	APHA 4500H⁺B	5.5-9.0	6.85
2.	Mercury (As Hg)	mg/l	APHA 3500 Hg	0.01	<0.004

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TEST REPORT

Ref: **EnvLab/25-26/TR-10789** *Date:* **05.08.2025**

Sample Code	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Waste Water**	Sampling Procedure	:	As per IS 3025
Identification by Customer	:	**STP Outlet**	Sampling Location	:	STP Outlet
Sample Condition	;	Ice Preserved	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Sl. No	Parameters	Unit	Standard (Inland Surface water) Part-A	Test methods	Result
1.	pH value at 25°C	-	5.5-9.0	APHA 4500H⁺B	7.84
2.	Total Suspended Solids (as SS)	mg/l	100	APHA 2540 D	32
3.	Biochemical Oxygen Demand (as BOD), 3 Days at 27°C	mg/l	30	APHA 5210-B	5.6
4.	Fecal Coli form (as FC)	MPN/100ml	-	APHA 9221 B	15
Any unusual feature observed during determination				Nil	

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Annexure-07

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: **EnvLab/25-26/TR-10772** *Date:* **05.08.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Ambient Air**	Sampling Procedure	:	VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**AAQMS-1**	Sampling Location	:	**Near Technical Building Area**
Sample Condition	:	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Chemical Testing

Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006, RA 2017	**100**	43.4
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	21.6
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	16.2
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	21.4
5	Carbon monoxide as CO	(mg/m^3)	IS 5182(Part 10):2019	**2**	0.62
6	Ozone as O_3	($\mu g/m^3$)	IS 5182 (Part-09):2019	**180**	8.3
7	Ammonia as NH_3	($\mu g/m^3$)	IS 5182 (Part 25): 2018	**400**	10.1
8	Lead as Pb	($\mu g/m^3$)	IS 5182(Part -22):2019	**1**	<0.02
9	Nickel as Ni	(ng/m^3)	IS 5182(Part -22):2019	**20**	<2.5
10	Arsenic as As	(ng/m^3)	IS 5182(Part -22):2019	**6**	<1.0
11	Benzene as C_6H_6	($\mu g/m^3$)	IS 5182 (Part 11):2006	**5**	<4.0
12	Benzo-a-pyrine as BaP	(ng/m^3)	IS 5182 (Part 12):2017	**1**	<0.5

Remarks: *The above Sample test results are within the prescribed standard for the above mentioned parameters.*

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VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10773** *Date:* **05.08.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Ambient Air**	Sampling Procedure	:	VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**AAQMS-2**	Sampling Location	:	**Near Boiler Area**
Sample Condition	:	Air Tight Sealed and gascous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Chemical Testing

Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006, RA 2017	**100**	40.5
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	22.4
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	18.5
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	21.1
5	Carbon monoxide as CO	(mg/m^3)	IS 5182(Part 10):2019	**2**	0.63
6	Ozone as O_3	($\mu g/m^3$)	IS 5182 (Part-09):2019	**180**	9.2
7	Ammonia as NH_3	($\mu g/m^3$)	IS 5182 (Part 25): 2018	**400**	10.4
8	Lead as Pb	($\mu g/m^3$)	IS 5182(Part -22):2019	**1**	<0.02
9	Nickel as Ni	(ng/m^3)	IS 5182(Part -22):2019	**20**	<2.5
10	Arsenic as As	(ng/m^3)	IS 5182(Part -22):2019	**6**	<1.0
11	Benzene as C_6H_6	($\mu g/m^3$)	IS 5182 (Part 11):2006	**5**	<4.0
12	Benzo-a-pyrine as BaP	(ng/m^3)	IS 5182 (Part 12):2017	**1**	<0.5

Remarks: *The above Sample test results are within the prescribed standard for the above mentioned parameters.*

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*** End Report***

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

Plot No.-M-22&23, Chandaka Industrial Estate, Patia, Bhubaneswar-751024, Dist-Khurda, Odisha Tel.: 0674-3511721
E-mail : visiontek@visiontek.org, visiontekin@gmail.com
Visit us at: www.visiontek.org

TEST REPORT

Ref: **EnvLab/25-26/TR-10774** *Date:* **05.08.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Ambient Air**	Sampling Procedure	:	VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**AAQMS-3**	Sampling Location	:	**Near CPW Plant Area**
Sample Condition	:	Air Tight Scaled and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Chemical Testing

Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006, RA 2017	**100**	46.2
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	25.8
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	14.2
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	22.1
5	Carbon monoxide as CO	(mg/m^3)	IS 5182(Part 10):2019	**2**	0.58
6	Ozone as O_3	($\mu g/m^3$)	IS 5182 (Part-09):2019	**180**	9.4
7	Ammonia as NH_3	($\mu g/m^3$)	IS 5182 (Part 25): 2018	**400**	13.1
8	Lead as Pb	($\mu g/m^3$)	IS 5182(Part -22):2019	**1**	<0.02
9	Nickel as Ni	(ng/m^3)	IS 5182(Part -22):2019	**20**	<2.5
10	Arsenic as As	(ng/m^3)	IS 5182(Part -22):2019	**6**	<1.0
11	Benzene as C_6H_6	($\mu g/m^3$)	IS 5182 (Part 11):2006	**5**	<4.0
12	Benzo-a-pyrine as BaP	(ng/m^3)	IS 5182 (Part 12):2017	**1**	<0.5

Remarks: *The above Sample test results are within the prescribed standard for the above mentioned parameters.*

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5. The laboratory's responsibility under this report is limited to; proven willful negligence.

*** End Report***

Reviewed by

Approved by

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10775** *Date:* **05.08.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Ambient Air**	Sampling Procedure	:	VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**AAQMS-4**	Sampling Location	:	**Near SLF Area**
Sample Condition	:	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Chemical Testing

Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006, RA 2017	**100**	59.6
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	26.8
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	14.8
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	22.1
5	Carbon monoxide as CO	(mg/m^3)	IS 5182(Part 10):2019	**2**	0.52
6	Ozone as O_3	($\mu g/m^3$)	IS 5182 (Part-09):2019	**180**	11.6
7	Ammonia as NH_3	($\mu g/m^3$)	IS 5182 (Part 25): 2018	**400**	15.4
8	Lead as Pb	($\mu g/m^3$)	IS 5182(Part -22):2019	**1**	<0.02
9	Nickel as Ni	(ng/m^3)	IS 5182(Part -22):2019	**20**	<2.5
10	Arsenic as As	(ng/m^3)	IS 5182(Part -22):2019	**6**	<1.0
11	Benzene as C_6H_6	($\mu g/m^3$)	IS 5182 (Part 11):2006	**5**	<4.0
12	Benzo-a-pyrine as BaP	(ng/m^3)	IS 5182 (Part 12):2017	**1**	<0.5

Remarks: *The above Sample test results are within the prescribed standard for the above mentioned parameters.*

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5. The laboratory's responsibility under this report is limited to; proven willful negligence.

*** End Report***

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

TEST REPORT

Ref: **EnvLab/25-26/TR-10776** *Date:* **05.08.2025**

Name and address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Ambient Air**	Sampling Procedure	:	VCSPL/F-SOP/001, Dt. 04.09.2021
Sample Identification Code	:	**AAQMS-5**	Sampling Location	:	**Near PAC Plant Area**
Sample Condition	:	Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	:	VCSPL Representative
Test Started on	:	**30.07.2025**	Test Completed on	:	**03.08.2025**

Chemical Testing

Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006. RA 2017	**100**	42.5
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	21.2
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	16.8
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	21.1
5	Carbon monoxide as CO	(mg/m^3)	IS 5182(Part 10):2019	**2**	0.61
6	Ozone as O_3	($\mu g/m^3$)	IS 5182 (Part-09):2019	**180**	9.1
7	Ammonia as NH_3	($\mu g/m^3$)	IS 5182 (Part 25): 2018	**400**	10.2
8	Lead as Pb	($\mu g/m^3$)	IS 5182(Part -22):2019	**1**	<0.02
9	Nickel as Ni	(ng/m^3)	IS 5182(Part -22):2019	**20**	<2.5
10	Arsenic as As	(ng/m^3)	IS 5182(Part -22):2019	**6**	<1.0
11	Benzene as C_6H_6	($\mu g/m^3$)	IS 5182 (Part 11):2006	**5**	<4.0
12	Benzo-a-pyrine as BaP	(ng/m^3)	IS 5182 (Part 12):2017	**1**	<0.5

Remarks: *The above Sample test results are within the prescribed standard for the above mentioned parameters.*

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*** End Report***

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Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

Annexure-08

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10777** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Noise Level**	Sampling Procedure	:	IS 9989: 2020
Identification by Customer	:	**N-1**	Sampling Location	:	**Near Technical Building Area**
Sampling done by	:	Narayan Patra	Calibration Validity of instrument	:	**20.05.25 to 19.05.26**
Detail of Instrument	:	**Sound Level Meter**	Instrument make & Model	:	Envirotech & SLM 100

A. Noise Level monitoring

SL. No.	Name of the Parameters	Test Method	N-1
Noise Levels Day Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	46.8
Standard as per Noise Rule 2000 (Industrial Area)			**75**
Noise Levels Night Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	41.5
Standard as per Noise Rule 2000 (Industrial Area)			**70**

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5. The laboratory's responsibility under this report is limited to; proven willful negligence.

*** End Report***

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

TEST REPORT

Ref: **EnvLab/25-26/TR-10778** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Noise Level**	Sampling Procedure	:	IS 9989: 2020
Identification by Customer	:	**N-2**	Sampling Location	:	**Near Boiler Area**
Sampling done by	:	Narayan Patra	Calibration Validity of instrument	:	**20.05.25 to 19.05.26**
Detail of Instrument	:	**Sound Level Meter**	Instrument make & Model	:	Envirotech & SLM 100

B. Noise Level monitoring

SL. No.	Name of the Parameters	Test Method	N-2
Noise Levels Day Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	44.6
Standard as per Noise Rule 2000 (Industrial Area)			75
Noise Levels Night Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	40.1
Standard as per Noise Rule 2000 (Industrial Area)			70

TERMS AND CONDITION:-

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10. The laboratory's responsibility under this report is limited to; proven willful negligence.

*** End Report***

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR — *Reviewed by*

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR — *Approved by*

TEST REPORT

Ref: **EnvLab/25-26/TR-10779** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Noise Level**	Sampling Procedure	:	IS 9989: 2020
Identification by Customer	:	**N-3**	Sampling Location	:	**Near CPW Plant Area**
Sampling done by	:	Narayan Patra	Calibration Validity of instrument	:	**20.05.25 to 19.05.26**
Detail of Instrument	:	**Sound Level Meter**	Instrument make & Model	:	Envirotech & SLM 100

C. Noise Level monitoring

SL. No.	Name of the Parameters	Test Method	N-3
	Noise Levels Day Time		
1	**Noise Level in dB(A) leq**	IS 9989: 2020	45.5
Standard as per Noise Rule 2000 (Industrial Area)			**75**
	Noise Levels Night Time		
1	**Noise Level in dB(A) leq**	IS 9989: 2020	40.7
Standard as per Noise Rule 2000 (Industrial Area)			**70**

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*** End Report***

Reviewed by BBSR

Approved by BBSR

Visiontek Consultancy Services Pvt. Ltd.

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VISIONTEK

TEST REPORT

Ref: **EnvLab/25-26/TR-10780** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Noise Level**	Sampling Procedure	:	IS 9989: 2020
Identification by Customer	:	**N-4**	Sampling Location	:	**Near SLF Area**
Sampling done by	:	Narayan Patra	Calibration Validity of instrument	:	**20.05.25 to 19.05.26**
Detail of Instrument	:	**Sound Level Meter**	Instrument make & Model	:	Envirotech & SLM 100

D. Noise Level monitoring

SL. No.	Name of the Parameters	Test Method	N-4
Noise Levels Day Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	47.2
Standard as per Noise Rule 2000 (Industrial Area)			75
Noise Levels Night Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	40.4
Standard as per Noise Rule 2000 (Industrial Area)			70

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*** End Report***

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

TEST REPORT

Ref: **EnvLab/25-26/TR-10781** *Date:* **05.08.2025**

Name & Address of the Customer	:	**M/s Grasim Industries Limited, Chemical Division, Ganjam**			
Date of Sampling	:	**29.07.2025**	Sample Received on	:	**30.07.2025**
Sample Description	:	**Noise Level**	Sampling Procedure	:	IS 9989: 2020
Identification by Customer	:	**N-5**	Sampling Location	:	**Near PAC Plant Area**
Sampling done by	:	Narayan Patra	Calibration Validity of instrument	:	**20.05.25 to 19.05.26**
Detail of Instrument	:	**Sound Level Meter**	Instrument make & Model	:	Envirotech & SLM 100

E. Noise Level monitoring

SL. No.	Name of the Parameters	Test Method	N-1
Noise Levels Day Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	48.2
Standard as per Noise Rule 2000 (Industrial Area)			**75**
Noise Levels Night Time			
1	**Noise Level in dB(A) leq**	IS 9989: 2020	40.5
Standard as per Noise Rule 2000 (Industrial Area)			**70**

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*** End Report***

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD. BBSR

Approved by

Annexure-09

14.1 Rainwater Harvesting and Artificial Ground water table Recharging-
(100% work completed, and recharging performance trial completed)

Unit has undertaken several Water conservations projects as an imperative need for augmenting the valuable groundwater resource. Artificial recharge and roof top rainwater harvesting has done at the prime focus to revive the precious resource.
Some of the major ground water recharging structure have been done for ground water restoration- and achieved a quantity 2,86,687 m3/Year (2,40,387 + 46300)

S.No.	Description of activities	Recharge quantity in M3/year	Enclosed as Annexure	Remarks
1	Surface runoff water harvesting (check dam) + Roof top harvesting in colony, Admin building ,Schools etc.	43,053	Annexure I	Existing implemented techniques as per NOC granted vide letter no. 21-4(17)/SER/CGWA/2007-573-Dt.15.03.2017
2	Ground water recharging Bore-well (including check dam, bund wall construction etc.) near Pump house area-Kalyanpur – 6 Nos.	1,00,482	Annexure II	As per condition no. 3 as specified in NOC (partial modification) granted vide 21-4(17)/SER/CGWA/2007-27 Dt-07.06.2019
3	Ground water recharging well/ Injection well at Grasim colony, Schools, Colleges and Government office area (Tehasil Office etc.) – 21 Nos.	96,816	Annexure III	As per condition no. 3 as specified in NOC (partial modification) granted vide 21-4(17)/SER/CGWA/2007-27 Dt-07.06.2019
4	Ground water recharging project done in 2017	46,300		
	Total	**2,86,687 M3/year**		

Surface runoff water harvesting + Roof top harvesting in colony ,Admin building ,Schools etc :-

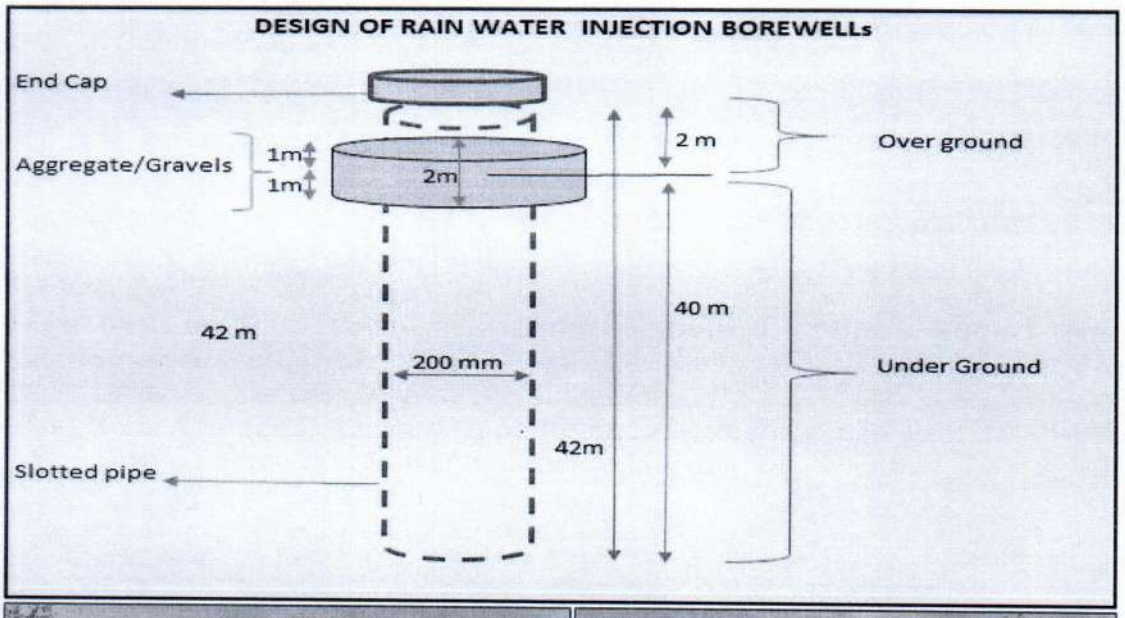
Sr no	Identified Area	Average rainfall (m/Year)	Total area m2	Total Volume M3/year	Location
1	Surface runoff +Roof top	1.24	34720	43,053	Klyanpur+colony+Plant

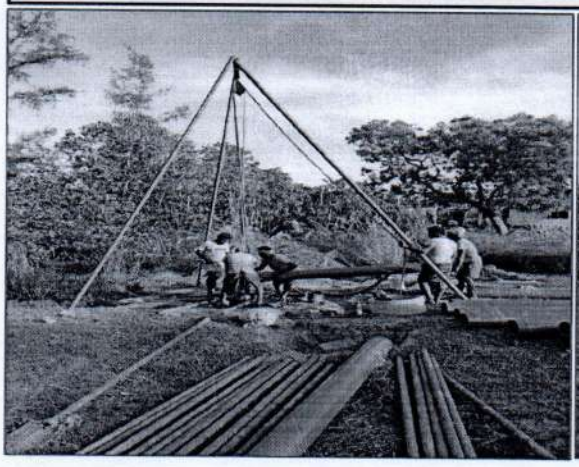
ANNEXURE- II (Ground water recharging Bore-well near Pump house area-Kalyanpur)					
Sr.no	Identified Area	Average rainfall (m/Year)	Total area m2	Total Volume m3	Location
1	Recharging Borewell-1	1.24	9743	12082	Kalyanpur
2	Recharging Borewell-2	1.24	11290	14000	Kalyanpur
3	Recharging Borewell-3	1.24	15000	18600	Kalyanpur
4	Recharging Borewell-4	1.24	14113	17500	Kalyanpur
5	Recharging Borewell-5	1.24	15960	19790	Kalyanpur
6	Recharging Borewell-6	1.24	14927	18510	Kalyanpur
			Total	**1,00,482**	

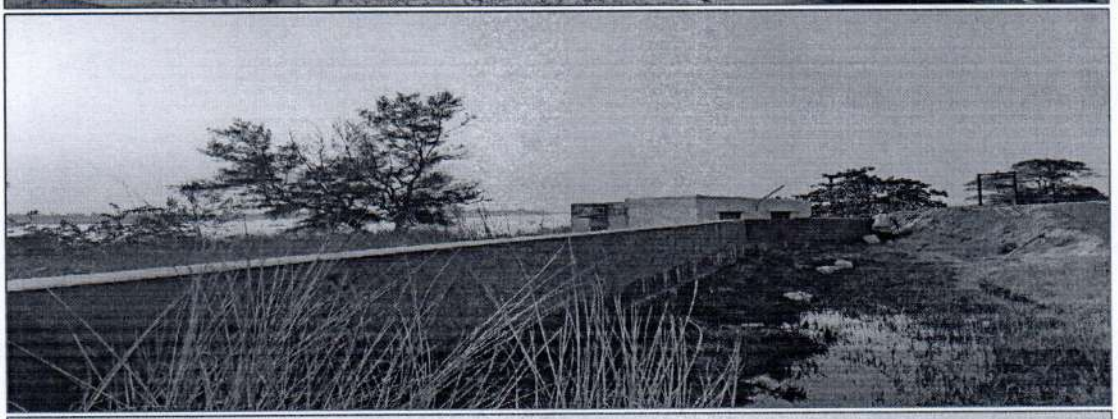
Construction of Ground water Recharging bore well:-

Total Bore-well- 6 (Total area 200m x 150m + 300m x 300m)- Near Existing Bore well area.

- Depth of injection Bore wells : 42meters
- Total Number of Recharging perforated /Slotted injection well: 3
- Type of pipes:- Perforated/Slotted (all pipes)
- Flow arrester Bund with HDPE liner.
- Location:- Near Existing bore-well area (Kalyanpur)



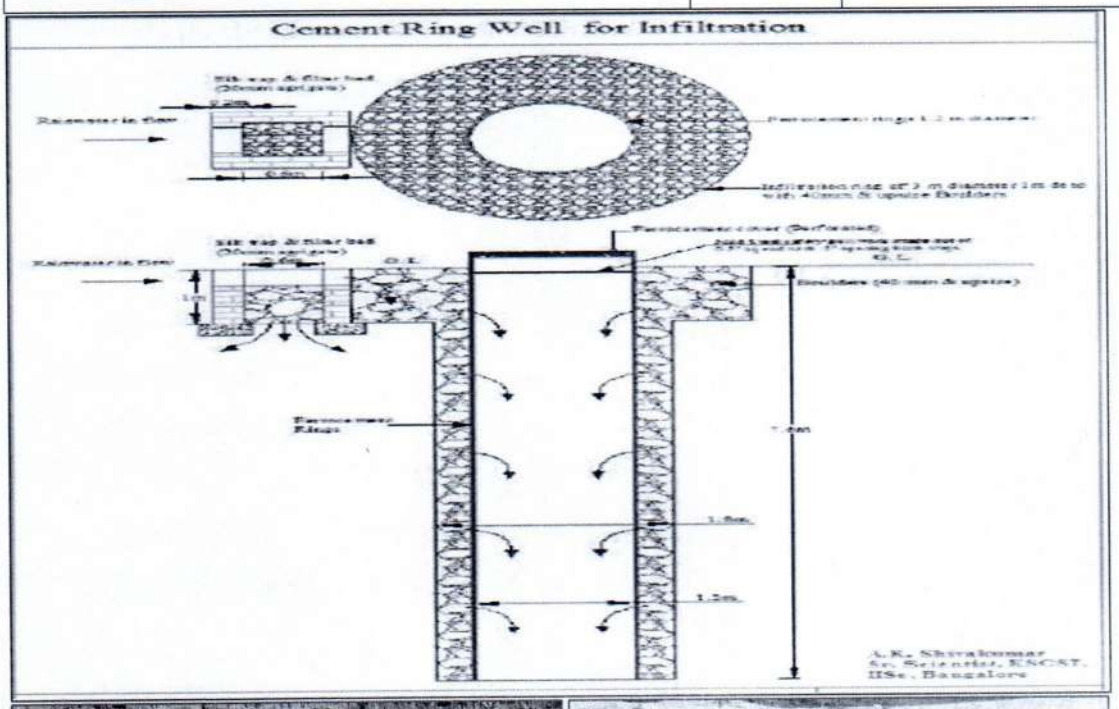


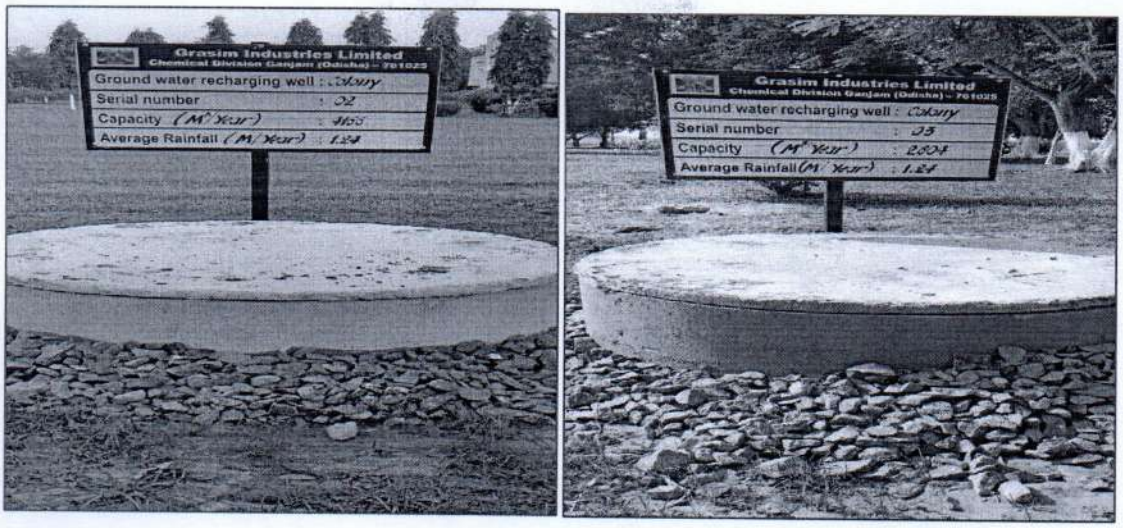


Construction Design of Ground water Recharging well/Injection well:-

ANNEXURE- III (Ground water recharging well/ Injection well) - Grasim colony, Schools and Colleges and Government office area (Tehasil office etc.)					
Sr no	Identified Area	Average rainfall (m/Year)	Total area m2	Total Volume m3	Location
1	Recharge well-1	1.24	4454	5524	Grasim Colony
2	Recharge well-2	1.24	3360	4166	Grasim Colony
3	Recharge well-3	1.24	2100	2604	Grasim Colony
4	Recharge well-4	1.24	5000	6200	Grasim Colony
5	Recharge well-5	1.24	5812	7207	Grasim Colony
6	Recharge well-6	1.24	5812	7207	Grasim Colony
7	Recharge well-7	1.24	2427	3010	Grasim Colony
8	Recharge well-8	1.24	7258	9000	Grasim Colony
9	Recharge well-9	1.24	4355	5400	Grasim Colony
10	Recharge well-10	1.24	3387	4200	Grasim Colony
11	Recharge well-11	1.24	2100	2604	Damodarpur School
12	Recharge well-12	1.24	2400	2976	Shardipit School
13	Recharge well-13	1.24	3000	3720	Bharati Bidyapitha School Field
14	Recharge well-14	1.24	10000	12400	Ganjam College-1
15	Recharge well-15	1.24	2200	2728	Ganjam College-2
16	Recharge well-16	1.24	2100	2604	Girls School
17	Recharge well-17	1.24	1711	2122	Bharati Bidyapitha School
18	Recharge well-18	1.24	1200	1488	Tahasil Office

19	Recharge well-19	1.24	2200	7936	Playground-(Ganapipadia)
20	Recharge well-20	1.24	1500	1860	Agriculture Training Institute
21	Recharge well-21	1.24	1500	1860	Jayshree School
Total in M3/year (Recharge well)				**96,816**	



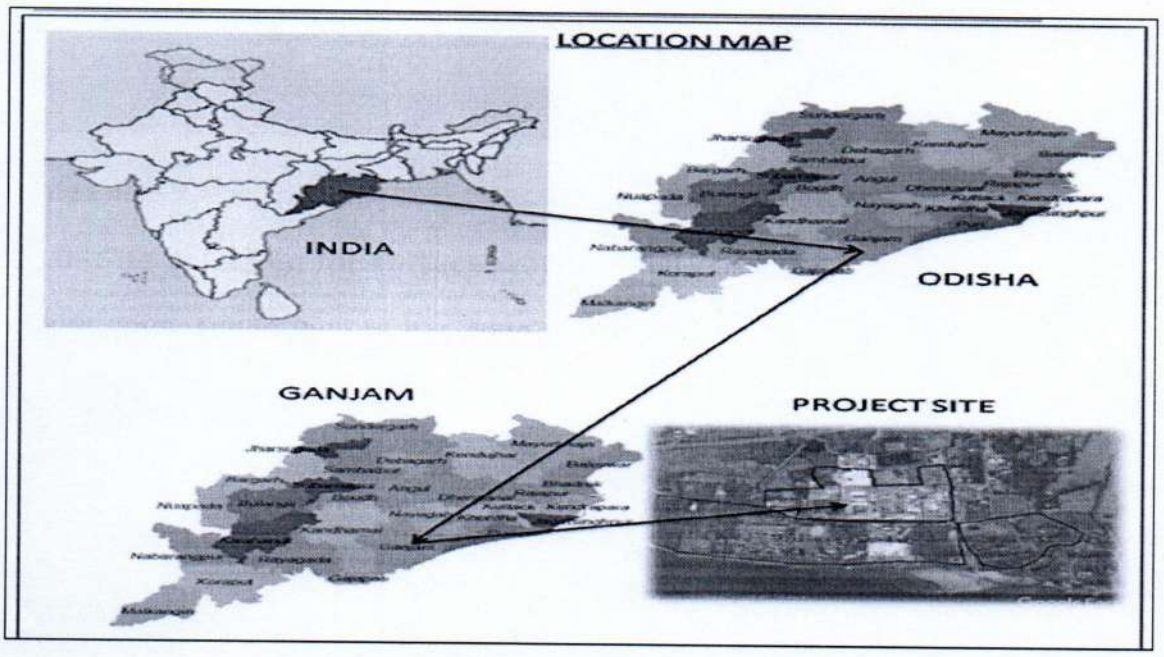


Annexure-5

15.0 -Site selection for surface water drawl-

KYPIPE Engineering Pvt.Ltd has done the Rushikulya river basin study for drawl point selection and they have proposed three options of water drawl.

1. Drawl of water from Rushikulya near Jagarnathpur village it about 3 km upstream from existing borewell point.
2. Drawl point near Kartali Temple near Jagarnathpur
3. Drawl point near existing borewell area.



Considering of the Central water commission-Gauge discharge data at purusottampur on Reshikulya river, option 1 & 2 are not suitable for water drawl point. Option 3 is better due to partial tidal effect and water quality is brackish, this point also have not adverse effect on ecosystem.

16.0 Drip Sprinkler irrigation- (Under planning)

Drip Sprinkler irrigation is also being promoted in the communities around the plant as an effective approach to practice cultivation with limited consumption of water. This method of irrigation has the potential to save water and nutrients by allowing water to drip slowly to the roots of plants.

Annexure-10

ADITYA BIRLA
GRASIM

Grasim Industries Limited
(Unit:–Chemical Division, Ganjam)
Progress Report on Corporate Social Responsibility of
Grasim Chemical Division, Ganjam
April -2025 to September -2025

Introduction:

CSR interventions at **Grasim Industries Limited, Ganjam** are being designed and executed in a project-based mode, adopting a 360-degree approach that is firmly rooted in community need profiling and need-specific analysis. Conscious efforts are made throughout implementation to foster community ownership, ensuring long-term sustainability of the initiatives. Collaboration with Government agencies and development institutions, along with a well-planned yet dynamic exit mechanism, has enabled our CSR projects to achieve high potential for replicability and sustained impact. This responsible and structured execution framework, grounded in a project-based approach, has made our CSR operations more inclusive, effectively addressing the needs of all stakeholders.

The CSR team has been actively facilitating the local community to take on the role of frontline stakeholders in the execution of CSR projects. This approach has enabled our initiatives to gain strong credibility and recognition, owing to their high impact on community life and their potential for replicability. all projects and activities are identified through a participatory process, conducted in close consultation with community members—literally sitting with them, understanding their basic needs, and assessing priorities firsthand. Based on this collective understanding, projects are prioritized through consensus-building with villagers, Panchayat representatives, influential local leaders, and the Block Administration. This ensures that interventions are not only community-driven but also aligned with local governance structures.

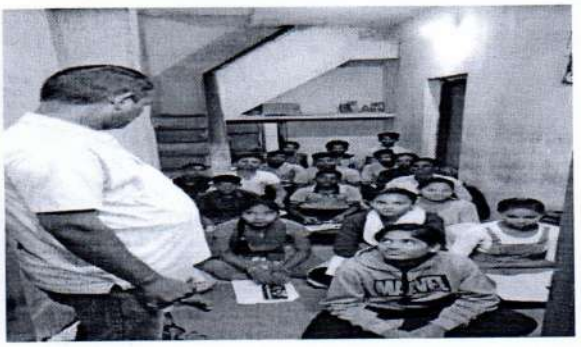
Education:

A: Tutorial, School Bag Distribution and Safe drinking water support to Schools/Colleges:

Several studies indicate that students studying in schools with inadequate infrastructure tend to score lower than those with access to well-equipped facilities. This underscores the fact that school infrastructure is a critical determinant of a child's academic performance as well as overall development. Government schools, which cater to the majority of children in the country, have over the years experienced a decline in infrastructure and service quality. As a result, these schools are increasingly accessed by the poor and marginalized, further widening educational inequities. Across India, however, there are inspiring examples of committed individuals and organizations who have worked to strengthen government schools. Their efforts reflect a strong belief that demonstrating successful models of improvement can influence and trigger long-lasting, systemic change within the public education ecosystem.

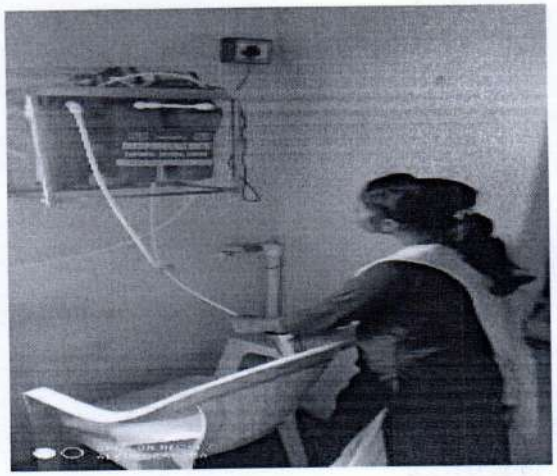
The initiative aims to enhance students' competencies through dedicated school tutorial sessions focused on Basic Computer Literacy. By providing foundational knowledge of computer usage to students from rural and economically weaker sections, the program seeks to bridge the digital divide and empower them with essential skills for the future.

The intervention also contributes to improving the overall quality of education by ensuring access to adequate learning resources, including competent teaching staff and relevant educational materials. This holistic approach helps create an enabling environment where every student can learn, grow, and thrive.

- We supported a tuition teacher for a coaching centre in Badakainchapur, benefiting students from Kainchapur and Kalyanpur. The total number of beneficiaries was **144**.
- School bags were distributed to students of **Jayashree Odia Medium UP School** and **Puintala UP School** under NAC, Ganjam. A total of **109 students** (Apr 25 to Sept 25) benefitted from this initiative.
- We supplied 12 ceiling fans **to** Yoshoda Women's College, benefiting the students and staff. The total number of beneficiaries was **320**. (Apr 25 to Sept 25)
- A total of five RO water purification units were installed at different locations under Ganjam NAC, including: (Apr 25 to Sept 25)

1. Anganwadi Centre, Ward No. 5 – Ganjam NAC
2. Maa Pollasuni Temple Premises, Jayashree
3. Damodarpur UP School, Ganjam NAC
4. Biju Pattnaik Indoor Stadium, Ganjam
5. Ganjam District Orthopedically Handicapped Welfare Association, Samiapalli (near Chatrapur)




These installations are benefiting a diverse group of community members, including Anganwadi children, devotees, students, teachers and staff, players, and physically challenged individuals. The total number of beneficiaries is **355** (Apr 25 to Sept 25)

HEALTH

Grasim, Ganjam is committed to providing primary and basic healthcare services to communities in need. Healthcare support is delivered through a Homeopathic Dispensary and regular outreach health camps conducted across two Gram Panchayats of Ganjam.

During this quarter, in addition to the routine health camps, Blood Donation Camps and an Eye Screening Camp were also organized, further strengthening our outreach and ensuring access to essential healthcare services for the local population.

A: Mobile Homeopathy Health Camps for three villages and One Dispensary:

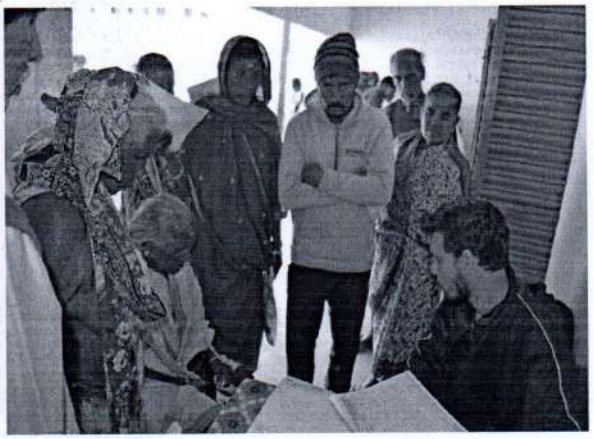
A Homeopathy Dispensary is being operated at Ganjam, providing accessible healthcare services to residents of Ganjam NAC and nearby villages. During the reporting period, a total of **781** beneficiaries availed treatment (Apr 25 to Sept 25)and consultation services.

B: Free Multi Specialty Treatment cum Health Check-Up Camp:

Grasim, Ganjam is committed to providing primary and basic healthcare services to Communities in need. In line with this mission, a Free Multi-Specialty Treatment and Health Check-Up Camp was organized to offer comprehensive medical services, including consultations, diagnostic tests, and treatments across various specialties. This initiative aimed to enhance health awareness and

improve access to quality healthcare for the community



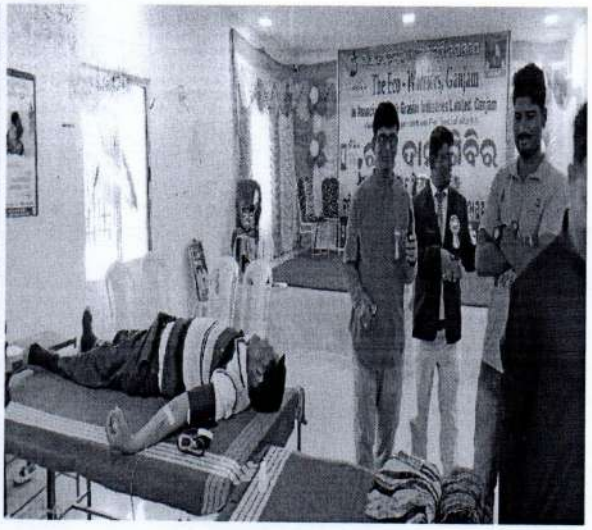



C. Blanket Distribution Camp:

Grasim, Ganjam is committed to supporting vulnerable communities during cold seasons. A Blanket Distribution Camp was organized to provide warm clothing and blankets to those in need, ensuring comfort and protection against harsh weather. This initiative aimed to improve the well-being of the community, particularly the elderly and underprivileged families.

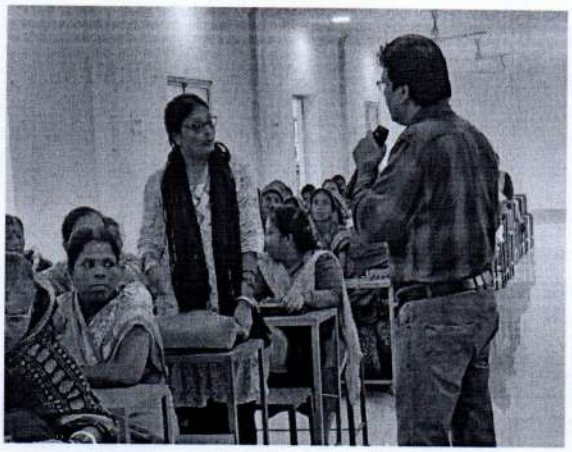
D. Blood Donation Camp:

We conducted a Blood Donation Camp in Puintala village and another Blood Donation Camp at Bharati Vidhya Pitha in collaboration with the community-based organization Laxmi Nrushingha Goshala. Additionally, an Eye Camp was organized in Puintala village under Ganjam NAC for villagers and the nearby community. A total of **415 beneficiaries** received services through these initiatives. (Apr 25 to Sept 25)



E. Training Programme for Cyber Safety Training & other

Grasim, Ganjam is committed to promoting digital awareness and safety. A Cyber Safety Training & other program was organized to educate participants on safe online practices, protecting personal information, and preventing cyber threats. This initiative aimed to enhance digital literacy and ensure the community uses technology responsibly and securely.



E. Pradhan Mantri TB Mukt Bharat Abhiyan

We supplied 50 nutritional food kits **to** 50 TB patients (Apr 25 to Sep 25) under the Ganjam Block through Khandadeuli CHC. In total, 150 beneficiaries were supported through this initiative.

Other Activity (Apr 25 to Sep 25)

- We supported the Press Club in organizing a Friendly Cricket Match at Ganjam, in which 5 teams participated: Local Administration, NAC, Police, Press, and Grasim Industries. The total number of beneficiaries was **80**.
- We repaired and renovated a water tank in Kalyanpur village, including the construction of a damaged floor and drainage lines to ensure proper water discharge. The total number of beneficiaries was **1,200**.
- We constructed a community dining shed at Palibandha village and a cycle stand at Saraswati Vidya Mandir, Ganjam NAC. The total number of beneficiaries, including villagers and students, was **1,730**.