

Your application has been **Submitted** with following details

<b>Proposal No</b>	J-11011/90/2011- IA II (I)
<b>Compliance ID</b>	28701291
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/28701291/2023
<b>Reporting Year</b>	2023
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	04-12-2023
<b>IRO Name</b>	P Subramanyam
<b>IRO Email</b>	agmu102@ifs.nic.in
<b>State</b>	ANDHRA PRADESH
<b>IRO Office Address</b>	Budgam

**Note:-** SMS and E-Mail has been sent to P Subramanyam, ANDHRA PRADESH with Notification to Project Proponent.

Half Yearly Compliance Report(Preview)

Proposal Details

<b>Proposal No</b>	J-11011/90/2011- IA II (I)	<b>Category</b>	Industrial Projects - 3
<b>Proposal Name</b>	M/s. Grasim Industries Limited (Village Balabhadrapuram, Mandal Bikkavolu, District East Godavari, Andhra Pradesh)		
<b>Plot / Survey/ Khasra No. Sub-District(s)</b>	<b>Village(s)</b>		
<b>State</b>	ANDHRA PRADESH	<b>District</b>	EAST?GODAVARI
<b>MoEF File No</b>	J-11011/90/2011- IA II (I)	<b>Name of the Entity/ Corporate Office</b>	Sridhara Narasimha Sastry
<b>Entity's PAN</b>	NA	<b>Entity details mentioned above is correct ?</b>	Agree
<b>Entity Name as per PAN</b>	NA		

Covering Letter

**Covering Letter** [Click to View](#)

Compliance Reporting Details

<b>Reporting Year</b>	2023	<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Remark(if any)</b>			

Details of Production and Project Area

**Date of Commencement of Project/Activity** 2021-12-24

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	72.17	99.73
Revenue Land	0	0
Forest	0	0
Others	0	0
<b>Total</b>	<b>72.17</b>	<b>99.73</b>

PRODUCTION CAPACITY

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Calcium Hypochlorite (65 % Cl <sub>2</sub> )	Tons per Day (TPD)	30	0	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0
2	Chlorinated Paraffin Wax	Tons per Day (TPD)	30	30	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	3737
3	Caustic Soda Lye (100%)	Tons per Day (TPD)	400	400	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	56501
4	Caustic Soda Flakes	Tons per Day (TPD)	120	120	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	822
5	Caustic Potash Lye (100%)	Tons per Day (TPD)	100	0	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0
6	Caustic Potash Flakes	Tons per Day (TPD)	60	0	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0
7	Liquid Chlorine	Tons per Day (TPD)	200	200	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	30260
8	Hydrochloric Acid (32%)	Tons per Day (TPD)	600	600	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	19976
9	Sodium Hypochlorite (15% Cl <sub>2</sub> )	Tons per Day (TPD)	120	120	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	8507
10	Mono Chloro Acetic Acid	Tons per Day (TPD)	20	20	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0
11	Poly Aluminum Chloride	Tons per Day (TPD)	90	0	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0
12	Stable Bleaching Powder	Tons per Day (TPD)	50	50	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	10731
13	Hydrogen Peroxide (100%)	Tons per Day (TPD)	30	0	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	0

**PRODUCTION CAPACITY**

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
14	Hydrogen Gas (Filled)	Tons per Day (TPD)	2	2	APPCB/VSP/KKD/11022/136/HO/CFO/2021	31-10-2027	133.64

**Conditions**

**Specific Conditions**

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	MISCELLANEOUS	No mercury cell shall be used. Manufacturing process of chlor alkali shall be based on membrane cell.	PPs Submission	Our Manufacturing process is based on Membrane cell Complied Attachment: <a href="#">Click to View</a>
2	AIR QUALITY MONITORING AND PRESERVATION	Bag filter along with adequate stack shall be provided to rice husk/coal fired boilers boiler to control particulate emissions within 50 mg/Nm3. The waste gases shall be discharged into atmosphere through stack of adequate height as per CPCB/APPCB guidelines.	PPs Submission	we have installed Electrostatic Precipitator as an air pollution controlling device to control particulate matter to keep the particulate emission well within the prescribed limits Complied Attachment: NA
3	AIR QUALITY MONITORING AND PRESERVATION	As proposed adequate scrubbing system shall be provided to control Cl2 emissions less than 15 mg/Nm3 and control HCl emissions less than 35 mg/Nm3 respectively. Online Chlorine analyser along with alarm indicator shall be installed in the chlorine stack with a minimum reading of 1 ppm and will be connected to the DCS control room. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly	PPs Submission	we have installed Tail gas towers for HCL furnace to control HCL emissions, and Water scrubber to control Cl2 emissions. We have also provided Chlorine analysers along with alarm indicators which are installed with a minimum reading of 1 PPM and is connected to the DCS control room. The scrubber inlet and outlet in plant parameters are metered regularly by the production lab to measure the efficiencies. Complied Attachment: <a href="#">Click to View</a>
4	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions (SO2, NOx, Cl2, HCl) and particulate matter from boiler and process stack shall conform to the norms prescribed by the CPCB/ APPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. The system shall be interlocked with the pollution control equipment? so that in case of any increase in pollutants beyond permissible limits, plant should be automatically stopped. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring shall be done regularly and report shall be submitted to APPCB and the Ministry's regional office at Bangalore.	PPs Submission	Emissions from boiler and process stacks are well within the norms of the prescribed norms. Continuous stack emission monitoring system have been installed at Boiler and Process stacks. Complied Attachment: NA
5	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records maintained. The emissions shall conform to the limits stipulated by the APPCB.	PPs Submission	Water sprinkling is carried out to control fugitive emissions. All our material movement is through Closed Pipelines and Closed conveyor belts Complied Attachment: NA
6	AIR QUALITY MONITORING AND PRESERVATION	A proper Leak Detection and Repair (LDAR) Program for pesticide industry shall be prepared and implemented as per CPCB guidelines. Focus shall be given for prevention of fugitive emissions for which preventive maintenance of pumps,	PPs Submission	We have a well laid out preventive maintenance of pumps, valves, pipelines for proper leak detection and repair. Complied Attachment: NA

		valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to.		
7	AIR QUALITY MONITORING AND PRESERVATION	Proper hood along with suction facility and scrubbing arrangement should be provided in 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.	PPs Submission	we have installed Suction hoods facility at chlorine storage and filling area. We also have installed chlorine sensors for alarms at chlorine handling sections. Complied Attachment: NA
8	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	PPs Submission	Acoustic enclosures are provided for DG sets, Stacks are of adequate height and the emissions are well within the prescribed CPCB standards. Complied Attachment: NA
9	Statutory compliance	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 sent to the Regional office of MOEF, the respective Zonal office of CPCB and the APPCB. The levels of PM10, SO2, NOX, Cl2, HCl, and CO in ambient air and emissions from the stacks shall be monitored and/ displayed at a convenient location near the main gate of the company and at important public places.	PPs Submission	We are uploading the status of compliance of EC conditions and are being sent to RO office, MoEF&CC and SPCB. The levels of PM10, SO2, NOX, Cl2, HCl, and CO in ambient air and emissions from the stacks are being monitored and/ displayed at a convenient location near the main gate of the company and at important public place Complied Attachment: NA
10	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water drawl from Godavari River shall not exceed 3800 m3/day and prior permission shall be obtained from the Competent Authority.	PPs Submission	We have water withdrawal permission from APWALTA, and Our water withdrawal is within the permission Complied Attachment: NA
11	WATER QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce the fresh water requirement by adopting 3 R's (Reduce, Reuse and Recycle) concept	PPs Submission	Noted. 1. We have adopted state of the art Zero liquid discharge at our plant premises, the treated effluent is used back as Process water in the plant. 2. We have taken enough measures to utilize the storm water, which will be channelized to a reservoir for reutilization. 3. We have 100 % condensate recovery system for the steam generated at our plant. Complied Attachment: NA
12	WATER QUALITY MONITORING AND PRESERVATION	Industrial effluent generation shall not exceed 620 m3/day and treated in ETP. Treated effluent shall be recycled/reused within the factory premises. Treated effluent shall be collected in the guard pond. Regular water quality monitoring of guard pond shall be carried out and Water quality of treated effluent shall meet the norms prescribed by CPCB/APPCB. Domestic wastewater shall be treated in STP. Water quality of treated effluent shall be monitored regularly.	PPs Submission	Our industrial effluent generation is not exceeding the limit prescribed. ? We have installed state of the art Zero Liquid discharge at our plant premises so that the process effluent is treated and reutilized in the process. ? We have 100 KLD STP for domestic wastewater treatment. ? Our treated effluent is reutilized in the process, after going through Multi Effect Evaporator and ATFD. The ATFD salts are disposed through TSDf. Complied Attachment: NA
13	WATER QUALITY MONITORING AND PRESERVATION	No effluent shall be discharged outside the premises and ?Zero? discharge concept shall be adopted.	PPs Submission	we have installed State of the Art Zero Liquid Discharge at our plant, so that the process effluent is treated and reutilized in the process. Complied Attachment: NA
14	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	PPs Submission	Process effluent is carried to ETP through closed pipelines and is stored in Effluent storage tanks. Complied Attachment: NA
15	Statutory compliance	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from APPCB shall be obtained for disposal of solid / hazardous waste in the TSDf. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDf for	PPs Submission	We have obtained Authorization for Handling Hazardous waste. We also have an agreement and membership with TSDf has been obtained Complied Attachment: NA

		hazardous waste disposal shall be obtained.		
16	WASTE MANAGEMENT	As proposed, ETP sludge and process sludge shall be sent to TSDF site. High calorific value waste shall be sent to cement factory/incinerated.	PPs Submission	Sludge generated at process and ETP is disposed through TSDF Complied Attachment: NA
17	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	PPs Submission	All the transportation of Hazardous chemicals are being followed as per the motor Vehicle Act (MVA), 1989. Complied Attachment: NA
18	MISCELLANEOUS	The company shall undertake following waste minimization measures: - a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	PPs Submission	We have taken all necessary measures to minimize waste, such as a. Reuse and sale of by-product?s generated during the process. b. All the filling stations have totalizer and flowmeter for controlled flow. c. All the feed systems are close feed systems. d. Venting is carried out only after getting it treated through scrubbers. Complied Attachment: NA
19	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	PPs Submission	Entire plant premises is having adequate safety critical devices to handle fire. We have fire hydrant system all over the plant, Fire alarm system, Smoke detectors, Breathing line, and SCBA. Complied Attachment: <a href="#">Click to View</a>
20	MISCELLANEOUS	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	Occupational health surveillance of workers is being carried out regularly and records are being maintained as per the factories act. Complied Attachment: NA
21	GREENBELT	Green belt shall be developed in 60 acres as per the CPCB guidelines in consultation with DFO. Thick greenbelt with suitable plant species shall be developed around the proposed pesticide unit to mitigate the odour problem. Selection of plant species shall be as per the CPCB guidelines.	PPs Submission	Developed 60 Acres of greenbelt with local species meeting the requirement. Photographs of the same is annexed as an Annexure-5. Mass plantation program has been done on the occasion of World Environmental Day (June 5th2023) and World Ozone Day (September 16th 2023) with around 4000 saplings which may covers around 12 Acres. Complied Attachment: <a href="#">Click to View</a>
22	PUBLIC HEARING	All the commitments made during the Public Hearing / Public Consultation meeting held on 15th February, 2012 shall be satisfactorily implemented and adequate budget provision should be made accordingly.	PPs Submission	CER activities are being Continued. Being Complied Attachment: NA
23	Corporate Environmental Responsibility	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry?s Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	PPs Submission	Enterprise Social Commitment now referred as CER is being implemented as per the attached plan Being Complied Attachment: <a href="#">Click to View</a>
24	Corporate Environmental Responsibility	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	PPs Submission	Policy towards Corporate Environment responsibility is as annexed Complied Attachment: <a href="#">Click to View</a>

25	MISCELLANEOUS	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 drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	PPs Submission	Temporary housing is provided for Construction labour within the site during the project phase. Complied Attachment: NA
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## General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents	
1	Statutory compliance	The project authorities shall strictly adhere to the stipulations made by the AP Pollution Control Board.	PPs Submission	Noted & Agreed Being Complied Attachment: NA
2	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed by the unit.	PPs Submission	Ambient air quality monitoring standards are met with. We are carrying out monitoring by NABL accredited third party laboratory Being Complied Attachment: NA
3	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	PPs Submission	Noted and agreed. We are applying for the proposed Expansion for which, we have applied for EC for the approval from MoEF&CC. Complied Attachment: NA
4	AIR QUALITY MONITORING AND PRESERVATION	The locations of ambient air quality monitoring stations shall be decided in consultation with the AP Pollution Control Board (APPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	PPs Submission	Noted and complied CAAQM stations location has been decided in consultation with APPCB, they are located in 3 cardinal directions. Complied Attachment: NA
5	Noise Monitoring & Prevention	The overall noise levels 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 noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	PPs Submission	we have taken all necessary noise measures to keep the noise levels within the prescribed limits Complied Attachment: NA
6	WATER QUALITY MONITORING AND PRESERVATION	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	PPs Submission	we are harvesting rain water, which is being channelized into a reservoir of Capacity 1 Lakh Cubic meter. The water from reservoir can be used in project to conserve fresh water Complied Attachment: NA
7	WATER QUALITY MONITORING AND PRESERVATION	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	PPs Submission	We have constructed Dyke walls and kerb walls all around the storage tanks, so that any accidental spillages is taken care of and mixing with storm water can be avoided. Complied Attachment: NA
8	MISCELLANEOUS	Usage of Personnel Protection Equipment's by all employees/workers shall be ensured.	PPs Submission	The company is issuing all necessary PPE's which are mandatory for the employees Being Complied Attachment: NA
9	MISCELLANEOUS	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine	PPs Submission	Prep talks and Class trainings are imparted to all employees on safety and health aspects of chemicals handling

		periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.		Being Complied Attachment: NA
10	MISCELLANEOUS	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	PPs Submission	All the feasible recommendations have been implemented in respect of Environmental management, risk mitigation measures and public hearing. Being Complied Attachment: NA
11	Corporate Environmental Responsibility	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	PPs Submission	We are carrying out CSR Activities for the uplifting of nearby villages. Being Complied Attachment: NA
12	Corporate Environmental Responsibility	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	PPs Submission	We are carrying out the community welfare measures at our surrounding villages for the overall improvement of the development annexed Being Complied Attachment: <a href="#">Click to View</a>
13	Statutory compliance	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	PPs Submission	Complied. Environmental management cell is already setup at our site. Complied Attachment: NA
14	MISCELLANEOUS	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.	PPs Submission	Company has sufficient funds to implement the conditions in EC, CFE and CFO. These funds are not diverted for any other purpose Complied Attachment: NA
15	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilaparisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.	PPs Submission	Noted Complied Attachment: NA
16	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the AP Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	PPs Submission	Noted, agreed and being complied Being Complied Attachment: NA
17	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bangalore Regional Offices of MoEF by e-mail.	PPs Submission	Noted, agreed and being complied Being Complied Attachment: NA

18	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the 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 the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	PPs Submission	Noted and complied. Complied Attachment: NA
19	Statutory compliance	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	PPs Submission	We have intimated the Regional office, MoEF & CC about the Date of start of the project. Letter of intimation is annexed Complied Attachment: <a href="#">Click to View</a>

### Document Upload

**Last Site Visit Report (if available)** NA

**Last Site Visit Report Date (if available)**

**Additional Attachment (if any)** NA

**Additional Remarks (if any)**

- I '[Sridhara Narasimha Sastry](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.





GIL/BBP/ENV/MOEF&CC/EC/426

30-11-2023

**THE REGIONAL OFFICER,**  
Integrated Regional Office (IRO), Vijayawada,  
Ministry of Environment, Forest and Climate Change,  
Green House Complex, Gopalareddy Road,  
Vijayawada-520010, Andhra Pradesh.

**Sub: Half-yearly Environmental Clearance Compliance Report Submission– Grasim Industries Ltd.**

**(Ref: 1. Environmental Clearance vide F. No. J-11011/90/2011- IA II (I), Dated 22nd March, 2013  
2. Transfer of Environmental Clearance vide F. No. J-11011/90/2011-IA II (I), Dated 21<sup>st</sup> November, 2019.  
3. Extension of validity of EC till 22<sup>nd</sup> March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18<sup>th</sup> August 2020.)**

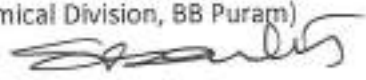
Dear Sir,

With respect to the above mentioned subject, Grasim Industries Limited (Chemical Division, BB Puram) are herewith enclosing our EC conditions compliance report for the period April 2023 - September 2023, with this letter for your information and kind record please.

Thanking you,

Yours faithfully,

**For Grasim Industries Limited**  
(Chemical Division, BB Puram)

  
**Sridhara Narasimha Sastry**  
President & Unit Head

Contact Details:  
Mobile Nos: 9977448340 (alt) 8008303882

Email : [shridhara.sastry@adityabirla.com](mailto:shridhara.sastry@adityabirla.com)  
Alt : [grcd-bbp.environment@adityabirla.com](mailto:grcd-bbp.environment@adityabirla.com)

**Encl.: As above**

**Grasim Industries Limited**

Chemical Division - BB Puram,  
Survey No : 1 to 4, Near Kanedu Metta Road, Balabhadrapuram  
Bikkavolu (M), East Godavari Dist - 533 343, Andhra Pradesh, INDIA

**Website : [www.grasimchem.com](http://www.grasimchem.com)**  
**CIN L17124MP1947PLC000410**

Regd. Office : Birlamgram (P.O), Nagda, M.P. - 456 331, INDIA

Date: 30.11.2023

To

**THE REGIONAL OFFICER,**  
Integrated Regional Office (IRO), Vijayawada,  
Ministry of Environment, Forest and Climate Change,  
Green House Complex, Gopalareddy Road,  
**Vijayawada-520010**, Andhra Pradesh.

Respected Sir,

**Subject: Grasim Industries Limited**, Balabhadrapuram (V), Biccavolu (M) East Godavari District.  
Submission of EC half yearly compliance reports for April 2023 to September 2023 audited  
through our NABL accredited laboratory.

With reference to the above, We Star Analytical Services on behalf of **Grasim Industries Limited**,  
submitting EC half yearly compliance reports for April 2023 to September 2023 based on the data and  
documents submitted by the industry during our audit process.

Thanking you,  
Yours Sincerely  
for Star Analytical Services

*Allaraiah*  


**Authorized Signatory**

Enclosure: EC Compliance Report



## Grasim Industries Limited, Balabhadrapuram

### **HALF YEARLY EC Conditions Compliance Report for the period of April 2023 to September 2023.**

1. Environmental Clearance vide F. No. J-11011/90/2011- IA II (I), Dated 22nd March, 2013.
2. Transfer of Environmental Clearance vide F. No. J-11011/90/2011-IA II (I), Dated 21<sup>st</sup> November, 2019.
3. Extension of validity of EC till 22<sup>nd</sup> March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18<sup>th</sup> August 2020.

#### **Prepared and Certified by:**

##### **Star Analytical Services**

Plot No: 899, Flat No: 201,  
Vivekananda Nagar Colony, Near Sumana  
Hospital, Kukatpally, Hyderabad-500072

2ndFloor, 18-1/1, Vengalayapalem,  
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S. No.	Conditions	Status of Compliance						
<b>A. SPECIFIC CONDITIONS:</b>								
i	No mercury cell shall be used. Manufacturing process of chlor alkali shall be based on membrane cell.	<p><b>Complied,</b> It was observed that Manufacturing process is based on Membrane cell. Photographs of the same is annexed as an <b>Annexure-1</b></p>						
ii	Bag filter along with adequate stack shall be provided to rice husk/coal fired boilers boiler to control particulate emissions within 50 mg/Nm <sup>3</sup> . The waste gases shall be discharged into atmosphere through stack of adequate height as per CPCB/APPCB guidelines.	<p><b>Complied,</b> Proponent had installed Electrostatic Precipitator as an air pollution controlling device to control particulate matter to keep the particulate emission well within the prescribed limits. ESP and Bag filters photographs are as annexed as <b>Annexure-2</b> Recent Environmental Monitoring reports are as annexed as and <b>Annexure-3</b>.</p> <table border="1" data-bbox="845 936 1497 1057"> <thead> <tr> <th>S. No.</th> <th>Boiler emission Limit</th> <th>Result July 2023</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50 mg/Nm<sup>3</sup></td> <td>19.0 mg/Nm<sup>3</sup></td> </tr> </tbody> </table>	S. No.	Boiler emission Limit	Result July 2023	1	50 mg/Nm <sup>3</sup>	19.0 mg/Nm <sup>3</sup>
S. No.	Boiler emission Limit	Result July 2023						
1	50 mg/Nm <sup>3</sup>	19.0 mg/Nm <sup>3</sup>						
iii	As proposed adequate scrubbing system shall be provided to control Cl <sub>2</sub> emissions less than 15 mg/Nm <sup>3</sup> and control HCl emissions less than 35 mg/Nm <sup>3</sup> respectively. Online Chlorine analyser along with alarm indicator shall be installed in the chlorine stack with a minimum reading of 1 ppm and will be connected to the DCS control room. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly.	<p><b>Complied,</b> Proponent had installed Tail gas towers for HCL furnace to control HCL emissions, and Water scrubber to control Cl<sub>2</sub> emissions. Also provided Chlorine analysers along with alarm indicators which are installed with a minimum reading of 1 PPM and is connected to the DCS control room. The scrubber inlet and outlet in plant parameters are metered regularly by the production lab to measure the efficiencies. Photographs of Online Chlorine analyser connected to DCS control room are annexed as <b>Annexure-10</b></p>						
iv	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> , Cl <sub>2</sub> , HCl) and particulate matter from boiler and process stack shall conform to the norms prescribed by the CPCB/ APPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. The system shall be interlocked with the pollution control equipment's so that in case of any increase in pollutants beyond permissible limits, plant should be	<p><b>Complied,</b> It was observed that Emissions from boiler and process stacks are well within the norms of the prescribed norms.  Proponent has installed Continuous stack emission monitoring system at Boiler and Process stacks.</p>						








S. No.	Conditions	Status of Compliance
	<p>automatically stopped. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring shall be done regularly and report shall be submitted to APPCB and the Ministry's regional office at Bangalore.</p>	<p>Recent Environmental Monitoring reports are as annexed as and <b>Annexure-3</b>.</p>
v	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling &amp; conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records maintained. The emissions shall conform to the limits stipulated by the APPCB.</p>	<p><b>Complied,</b>            It was observed that shed has provided in the coal yard also using closed coal conveyor in order to reduce fugitive emissions.            Also in Stable Bleaching powder area bag filter has installed to reduce the fugitive emissions.            Water sprinkling is also carried out to control fugitive emissions.</p>   <p>Latest Fugitive emission monitoring is carried out inside the plant premises, monitoring reports is as annexed as an <b>Annexure-3</b>.</p>
vi	<p>A proper Leak Detection and Repair (LDAR) Program for pesticide industry shall be prepared and implemented as per CPCB guidelines. Focus shall be given for prevention of fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to.</p>	<p><b>Complied.</b>            Proponent has a well laid out preventive maintenance of pumps, valves, pipelines for proper leak detection and repair.</p>



S. No.	Conditions	Status of Compliance
vii	Proper hood along with suction facility and scrubbing arrangement should be provided in 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.	<p><b>Complied,</b> It was observed that Suction hoods has installed in the facility at chlorine storage and filling area. Proponent also installed chlorine sensors for alarms at chlorine handling sections.</p> 
viii	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	<p><b>Complied,</b> It was observed CPCB Approved DG Sets with Acoustic enclosures are provided, Stacks are of adequate height and the emissions are well within the</p>  <p>prescribed CPCB standards. Monitoring report is annexed as <b>Annexure-3</b>. Acoustic enclosures are as below.</p>
ix	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 sent to the Regional office of MOEF, the respective Zonal office of CPCB and the APPCB. The levels of PM10, SO2, NOX, Cl2, HCl, and CO in ambient air and emissions from the stacks shall be monitored and/ displayed at a convenient location near the main gate of the company and at important public places.	<p><b>Complying,</b> It was verified proponent has uploading the status of compliance of EC conditions and are being sent to RO office, MoEF&amp;CC and SPCB.</p> <p>The levels of PM10, SO2, NOX, Cl2, HCl, and CO in ambient air and emissions from the stacks are being monitored and/ displayed at a convenient location near the main gate of the company and at important public places. Photograph of the same is as below.</p> 



S. No.	Conditions	Status of Compliance
x	Total fresh water drawl from Godavari River shall not exceed 3800 m <sup>3</sup> /day and prior permission shall be obtained from the Competent Authority.	Proponent had water withdrawal permission from APWALTA, and it was verified that water withdrawal quantities are within the limit.
xi	Efforts shall be made to reduce the fresh water requirement by adopting 3 R's (Reduce, Reuse and Recycle) concept.	<ol style="list-style-type: none"> <li>1. Industry has adopted state of the art Zero liquid discharge at plant premises, the treated effluent is used back as Process water in the plant.</li> <li>2. It was observed that proponent taking enough measures to utilize the storm water, which will be channelized to a reservoir for reutilization.</li> </ol>
xii	Industrial effluent generation shall not exceed 620 m <sup>3</sup> /day and treated in ETP. Treated effluent shall be recycled/reused within the factory premises. Treated effluent shall be collected in the guard pond. Regular water quality monitoring of guard pond shall be carried out and Water quality of treated effluent shall meet the norms prescribed by CPCB/APPCB. Domestic wastewater shall be treated in STP. Water quality of treated effluent shall be monitored regularly.	<p>Records has verified, it was observed that industrial effluent generation is not exceeding the limit prescribed.</p> <ul style="list-style-type: none"> <li>• As proponent maintaining Zero Liquid Discharge System so that the process effluent is treated and reutilized in the process.</li> <li>• For domestic waste water 100 KLD STP is running.</li> <li>• Treated effluent is being reutilized in the process after treated in ZLD System.</li> </ul>  <p><i>Fig. Integrated Water and Effluent treatment plant based on Zero liquid discharge principle.</i></p>  <p><i>Fig. Sewage Treatment Plant for treatment of Sewage.</i></p>

S. No.	Conditions	Status of Compliance
xiii	No effluent shall be discharged outside the premises and 'Zero' discharge concept shall be adopted.	<p><b>Complied.</b> Proponent installed State of the Art Zero Liquid Discharge plant, so that the process effluent is treated and reutilized in the process.</p>  <p><i>Fig. MEE and ATFD at ETP Plant.</i></p>
xiv	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	<p><b>Complied.</b> Process effluent is carried to ETP through closed pipelines and is stored in Effluent storage tanks.</p>   <p><i>Fig. Collection pits at plant. Fig. Effluent Holding Tanks</i></p> <p>The storm water is kept separately built to collect all the rain water, the rain water is collected into a reservoir for reutilization.</p>   <p><i>Fig. Dedicated Storm Water channel leading to 1 Lakh Cubic meter holding reservoir.</i></p>
xv	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary	<p><b>Complied,</b> Proponent had obtained Authorization for Handling Hazardous waste along with CFO Order.</p>






S. No.	Conditions	Status of Compliance
	Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from APPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.	Also proponent had a valid agreement and membership with TSDF.
xvi	As proposed, ETP sludge and process sludge shall be sent to TSDF site. High calorific value waste shall be sent to cement factory/incinerated.	Sludge generated at process and ETP is disposed through TSDF.
xvii	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	<b>Complying.</b> All the transportation of Hazardous chemicals are being followed as per the motor Vehicle Act (MVA), 1989.
xviii	The company shall undertake following waste minimization measures: - a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	<b>Complied.</b> Proponent has taken all necessary measures to minimize waste, such as a. Reuse and sale of by-product's generated during the process. b. All the filling stations have totalizer and flowmeter for controlled flow. c. All the feed systems are close feed systems. d. Venting is carried out only after getting it treated through scrubbers.
xix	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	<b>Complied,</b> It was observed that entire plant premises are having adequate safety critical devices to handle fire. Also had fire hydrant system all over the plant, Fire alarm system, Smoke detectors, Breathing line, and SCBA. Few of them are as annexed in <b>Annexure-4</b>
xx	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<b>Complied,</b> Occupational health surveillance of workers is being carried out regularly and records are being maintained as per the factories act.





S. No.	Conditions	Status of Compliance
xxi	Green belt shall be developed in 60 acres as per the CPCB guidelines in consultation with DFO. Thick greenbelt with suitable plant species shall be developed around the proposed pesticide unit to mitigate the odour problem. Selection of plant species shall be as per the CPCB guidelines.	<b>Complied,</b> Proponent developed 60 Acres of greenbelt with local species meeting the requirement. Photographs of the same is annexed as an <b>Annexure-5</b> . Mass plantation program has been done on the occasion of World Environmental Day (June 5 <sup>th</sup> 2023) and World Ozone Day (September 16 <sup>th</sup> 2023) with around 4000 saplings which may covers around 12 Acres.
xxii	All the commitments made during the Public Hearing / Public Consultation meeting held on 15th February, 2012 shall be satisfactorily implemented and adequate budget provision should be made accordingly.	<b>Implemented.</b> Verified the CSR activities are being Continued.
xxiii	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	<b>Noted and agreed.</b> Enterprise Social Commitment now referred as CER is being implemented as per the attached plan as an <b>Annexure- 6</b>
xxiv	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	<b>Complied.</b> Policy towards Corporate Environment responsibility is as annexed as an <b>Annexure-7</b>
xxv	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 drinking water, medical health care, crèche etc. The housing may be in the form of temporary	<b>Complied.</b> It was observed that temporary housing is provided for construction labour within the site during the project phase.



S. No.	Conditions	Status of Compliance
	structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	
<b>B. GENERAL CONDITIONS:</b>		
i	The project authorities shall strictly adhere to the stipulations made by the AP Pollution Control Board.	<b>Noted and agreed.</b>
ii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed by the unit.	<b>Noted and Agreed,</b> It was observed that proponent has three continuous ambient air quality monitoring stations and the ambient air quality monitoring standards are met with. Also carrying out monitoring by NABL accredited third party laboratory for the same. Monitoring reports are as annexed as <b>Annexure-3</b> .
iii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<b>Noted and agreed.</b> It was verified that proponent has applied for Environment Clearance for proposed the expansion.
iv	The locations of ambient air quality monitoring stations shall be decided in consultation with the AP Pollution Control Board (APPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<b>Noted and complied with.</b> CAAQM stations location has been decided in consultation with APPCB, they are located in 3 cardinal directions.  Fig. Continuous Ambient Air Quality monitoring Stations.
v	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods,	<b>Complying,</b> Proponent has taken all necessary noise control measures to keep the noise levels within the prescribed limits.



S. No.	Conditions	Status of Compliance
	silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Latest Environmental Monitoring reports are as annexed as and <b>Annexure-3</b> .
vi	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	<b>Complying,</b> Proponent is harvesting rain water, which is being channelized into a reservoir of Capacity 1 Lakh Cubic meter.
vii	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	<p><b>Complied,</b> It was observed that Dyke walls and kerb walls has constructed all around the storage tanks, so that any accidental spillages is taken care of and mixing with storm water can be avoided. Photographs of the dyke walls and kerb walls are as below.</p> <div style="text-align: center;">  <p>HCL Tank farm</p>  </div> <p><i>Fig. Tank farm for Storage of Products</i></p>
viii	Usage of Personnel Protection Equipment's by all employees/ workers shall be ensured.	<b>Complied,</b> The company is issuing all necessary PPE's which are mandatory for the employees.
ix	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<b>Complying.</b> Prep talks and Class trainings are imparted to all employees on safety and health aspects of chemicals handling.



S. No.	Conditions	Status of Compliance
x	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	<b>Complied.</b> All the feasible recommendations have been implemented in respect of Environmental management, risk mitigation measures and public hearing.
xi	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	<b>Complying.</b> Proponent has carrying out the CSR Activities for uplifting standards of nearby villages. Few photographs of the CSR activities carried out by proponent are as annexed as an <b>Annexure-8</b>
xii	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<b>Complying.</b> Proponent has carrying out the community welfare measures at surrounding villages for the overall improvement of the development annexed as <b>Annexure- 6</b>
xiii	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<b>Complied.</b> Proponent has already set up the Environmental management cell in the site.
xiv	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.	<b>Complying.</b> The company has sufficient funds to implement the conditions in EC, CFE and CFO. These funds are not diverted for any other purpose.
xv	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilaparishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	<b>Noted.</b>
xvi	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the AP Pollution Control Board. A copy	<b>Complying.</b>



S. No.	Conditions	Status of Compliance
	of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	
xvii	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bangalore Regional Offices of MoEF by e-mail.	<b>Complying.</b> Proponent has submitted Environment Statement Form- V.
xviii	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the 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 the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	<b>Complied.</b>
xix	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<b>Complied.</b> Proponent has intimated the Regional office, MoEF & CC about the Date of start of the project. Letter of intimation is annexed as <b>Annexure- 09</b>

## Caustic Production based on Membrane Cell based Technology



*Fig 1. Membrane based Cell House Section*



*Fig2. DCS control room for carrying out remote operations for entire CAPS (Chlor Alkali products)*

**Air Pollution Controlling devices at Boiler**



***Fig 1. ESP connected to 15 TPH Steam boiler***



***Fig 2. Bag filter installed at Fly Ash Silo***



***Fig 3. Bag filter installed at Coal transfer tower.***





# SV ENVIRO LABS & CONSULTANTS

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Ref: SVELC/GIL/23-07/01

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Purams)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : Near AAQMS-3 (North East)

DATE & TIME OF START : 27-07-2023 @ 11:30hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 31-07-2023

ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM <sub>10</sub> )	µg/m <sup>3</sup>	61.7	100	IS:5182 (P-23)
2.	Particulate Matter – (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	24.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.5	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.6	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m <sup>3</sup>	0.21	2.0	IS:5182 (P-10)
6.	Ozone – (O <sub>3</sub> )	µg/m <sup>3</sup>	8.1	100	IS :5182 ( P-9)
7.	Lead – (Pb)	µg/m <sup>3</sup>	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH <sub>3</sub> )	µg/m <sup>3</sup>	< 20	400	IS:5182 (P-25)
9.	Benzene – (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m <sup>3</sup>	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m <sup>3</sup>	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m <sup>3</sup>	< 5.0	20	IS 5182 (P-26)

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Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/GIL/23-07/02

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : **Command Control Center Building Top**

DATE & TIME OF START : **27-07-2023 @ 12:20hr**

DURATION OF SAMPLING : **24 Hours**

DATE OF ANALYSIS : **31-07-2023**


ATMOSPHERE CONDITION : **Clear Sky**

## TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.4	100	IS:5182 (P-23)
2.	Particulate Matter – (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.0	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO <sub>2</sub> )	µg/m <sup>3</sup>	14.1	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO <sub>2</sub> )	µg/m <sup>3</sup>	12.5	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m <sup>3</sup>	0.27	2.0	IS:5182 (P-10)
6.	Ozone – (O <sub>3</sub> )	µg/m <sup>3</sup>	10.4	100	IS :5182 ( P-9)
7.	Lead – (Pb)	µg/m <sup>3</sup>	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH <sub>3</sub> )	µg/m <sup>3</sup>	< 20	400	IS:5182 (P-25)
9.	Benzene – (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m <sup>3</sup>	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m <sup>3</sup>	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m <sup>3</sup>	< 5.0	20	IS 5182 (P-26)

  
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Ref: SVELC/GIL/23-07/03

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : **Near AAQMS-2 (North West)**

DATE & TIME OF START : **27-07-2023 @ 11:45hr**

DURATION OF SAMPLING : **24 Hours**

DATE OF ANALYSIS : **31-07-2023**


ATMOSPHERE CONDITION : **Clear Sky**

## TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM <sub>10</sub> )	µg/m <sup>3</sup>	62.8	100	IS:5182 (P-23)
2.	Particulate Matter – (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25.3	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.6	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.2	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m <sup>3</sup>	0.19	2.0	IS:5182 (P-10)
6.	Ozone – (O <sub>3</sub> )	µg/m <sup>3</sup>	8.8	100	IS :5182 ( P-9)
7.	Lead – (Pb)	µg/m <sup>3</sup>	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH <sub>3</sub> )	µg/m <sup>3</sup>	< 20	400	IS:5182 (P-25)
9.	Benzene – (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m <sup>3</sup>	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m <sup>3</sup>	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m <sup>3</sup>	< 5.0	20	IS 5182 (P-26)

  
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Ref: SVELC/GIL/23-07/04

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : Cell House Building Top

DATE & TIME OF START : 27-07-2023 @ 12:45hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 31-07-2023


ATMOSPHERE CONDITION : Clear Sky

## TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.5	100	IS:5182 (P-23)
2.	Particulate Matter – (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27.2	60	IS:5182 (P-24)
3.	Sulphur Dioxide – SO <sub>2</sub>	µg/m <sup>3</sup>	14.4	80	IS:5182 (P-2)
4.	Nitrogen Oxide – NO <sub>2</sub>	µg/m <sup>3</sup>	12.8	80	IS:5182(P-6)
5.	Carbon Monoxide – CO	mg/m <sup>3</sup>	0.23	2.0	IS:5182 (P-10)
6.	Ozone – (O <sub>3</sub> )	µg/m <sup>3</sup>	9.6	100	IS :5182 ( P-9)
7.	Lead – (Pb)	µg/m <sup>3</sup>	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH <sub>3</sub> )	µg/m <sup>3</sup>	< 20	400	IS:5182 (P-25)
9.	Benzene – (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m <sup>3</sup>	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m <sup>3</sup>	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m <sup>3</sup>	< 5.0	20	IS 5182 (P-26)

  
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Ref: SVELC/GIL/23-07/05

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Param)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : **STACK ATTACHED TO  
2000 KVA DG SET-1**

DATE & TIME OF COLLECTION : **29-07-2023 @ 10:00hr**

DATE & TIME OF ANALYSIS : **01-08-2023 @ 10:00hr**

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	<sup>0</sup> C	32
4.	Stack Temperature	<sup>0</sup> C	197
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m <sup>2</sup>	0.159
7.	Flue Gas Velocity	m/sec	17.8
8.	Flow Rate	m <sup>3</sup> /hr	10188
9.	Duration of Sampling	minutes	30
10.	Fuel Used	-	HSD

## EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	68.3	115	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	28.5	-	IS:11255-P-2
3.	Oxides of Nitrogen – NOx	mg/Nm <sup>3</sup>	63.7	-	IS:11255-P-7

Note: As per the above report, all the Paramters are within the standards

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Ref: SVELC/GIL/23-07/06

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : **STACK ATTACHED TO  
2000 KVA DG SET-2**

DATE & TIME OF COLLECTION : **29-07-2023 @ 10:50hr**

DATE & TIME OF ANALYSIS : **01-08-2023 @ 10:15hr**

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	<sup>0</sup> C	32
4.	Stack Temperature	<sup>0</sup> C	202
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m <sup>2</sup>	0.159
7.	Flue Gas Velocity	m/sec	18.7
8.	Flow Rate	m <sup>3</sup> /hr	10703
9.	Duration of Sampling	minutes	30
10.	Fuel Used	-	HSD

## EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	69.8	115	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub>	mg/Nm <sup>3</sup>	30.4	-	IS:11255-P-2
3.	Oxides of Nitrogen – NOx	mg/Nm <sup>3</sup>	65.6	-	IS:11255-P-7

Note: As per the above report, all the Paramters are within the standards

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Ref: SVELC/GIL/23-07/07

Date: 04-08-2023

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Survey No 1 to 4, Near Kanedu Metta Road,  
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Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : **STACK ATTACHED TO  
2000 KVA DG SET - 3 (VAPS AREA)**

DATE & TIME OF COLLECTION : **31-07-2023 @ 11:30hr**

DATE & TIME OF ANALYSIS : **02-08-2023 @ 10:40hr**

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM <sup>+</sup>	°C	32
4.	Stack Temperature	°C	211
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m <sup>2</sup>	0.159
7.	Flue Gas Velocity	m/sec	19.6
8.	Flow Rate	m <sup>3</sup> /hr	11219
9.	Duration of Sampling	minutes	30
10.	Fuel Used	-	HSD

## EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter - PM	mg/Nm <sup>3</sup>	73.8	115	IS:11255-P-1
2.	Sulphur Dioxide - SO <sub>2</sub>	mg/Nm <sup>3</sup>	36.2	-	IS:11255-P-2
3.	Oxides of Nitrogen - NOx	mg/Nm <sup>3</sup>	68.5	-	IS:11255-P-7

Note: As per the above report, all the Parameters are within the standards

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Ref: SVELC/GIL/23-07/08

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : **STACK ATTACHED TO 15 TPH BOILER**

DATE & TIME OF COLLECTION : **29-07-2023 @ 11:50hr**

DATE & TIME OF ANALYSIS : **01-08-2023 @ 11:15hr**

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	°C	32
4.	Stack Temperature	°C	141
5.	Diameter of Stack	m	1.5
6.	Cross Sectional Area of Stack	m <sup>2</sup>	1.766
7.	Flue Gas Velocity	m/sec	4.15
8.	Flow Rate	m <sup>3</sup> /hr	26384
9.	Duration of Sampling	minutes	30
10.	Fuel Used	-	Coal

## EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm <sup>3</sup>	19.0	50	IS:11255-P-1
2.	Sulphur Dioxide – SO <sub>2</sub> (6% dry O <sub>2</sub> )	mg/Nm <sup>3</sup>	59.2	600	IS:11255-P-2
3.	Oxides of Nitrogen – Nox (6% dry O <sub>2</sub> )	mg/Nm <sup>3</sup>	45.6	300	IS:11255-P-7

Note: As per the above report, all the Parameters are within the standards

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Ref: SVELC/GIL/23-07/09

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : STACK ATTACHED TO HYPO SCRUBBER -1(VAPS)

DATE & TIME OF COLLECTION : 31-07-2023 @ 12:40hrs

DATE & TIME OF ANALYSIS : 02-08-2023 @ 11:00hrs

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m <sup>2</sup>	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	39
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	7.03
10.	Gas Quantity	m <sup>3</sup> /hr	1240
11.	Duration of Sampling	minutes	30

## EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	Chlorine (Cl <sub>2</sub> )	mg/Nm <sup>3</sup>	2.56	15

  
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Ref: SVELC/GIL/23-07/10

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
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Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : STACK ATTACHED TO HYPO SCRUBBER -2(VENT)

DATE & TIME OF COLLECTION : 29-07-2023 @ 12:45hrs

DATE & TIME OF ANALYSIS : 01-08-2023 @ 11:30 hrs

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m <sup>2</sup>	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	35
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	6.28
10.	Gas Quantity	m <sup>3</sup> /hr	1107
11.	Duration of Sampling	minutes	30

## EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	Chlorine (Cl <sub>2</sub> )	mg/Nm <sup>3</sup>	2.39	15

  
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Ref: SVELC/GIL/23-07/11

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
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Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh – 533343

SAMPLE PARTICULARS : DRINKING WATER

SOURCE OF COLLECTION : Drinking Water @  
Near RO Plant

DATE OF COLLECTION : 27-07-2023

DATE OF ANALYSIS : 29-07-2023

## TEST REPORT

S.No	Parameter	Unit	Result	IS 10500:2012 Specifications
1.	Odour	-	Agreeable	Agreeable
2.	Taste	-	Agreeable	Agreeable
3.	Turbidity	NTU	<0.01	1.0
4.	pH	-	7.26	6.5 – 8.5
5.	Total Dissolved Solids	mg/l	26.0	500
6.	Total Alkalinity as CaCO <sub>3</sub>	mg/l	18.1	200
7.	Total Hardness as CaCO <sub>3</sub>	mg/l	8.79	200
8.	Chlorides as Cl <sup>-</sup>	mg/l	6.85	250
9.	Fluorides as F	mg/l	0.06	1.0
10.	Nitrates as NO <sub>3</sub>	mg/l	<1.0	45
11.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	3.04	200
12.	Iron as Fe	mg/l	0.02	0.3
13.	Copper as Cu	mg/l	<0.01	0.05
14.	Zinc as Zn	mg/l	0.003	5.0
15.	Cadmium as Cd	mg/l	<0.001	0.003
16.	Lead as Pb	mg/l	<0.01	0.01



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17.	Total Arsenic as As	mg/l	<0.01	0.01
18.	Total Chromium as Cr	mg/l	<0.01	0.05
<b>MICROBIOLOGY:</b>				
19.	<i>E. coli</i>	CFU/ 100mL	Not detected	Shall not be detected in 100 ml
20.	<i>Fecal Coliforms</i>	CFU/ 100mL	Not detected	Shall not be detected in 100 ml

**Note:** All the above parameters are tested as per APHA methods, 23<sup>rd</sup> Edition, 2017

**Remarks:** As per the above report, all the parameters are within IS 10500:2012 Drinking Water Specifications.

  
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Ref: SVELC/GIL/23-07/12

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh – 533343**

SAMPLE PARTICULARS : **DRINKING WATER**

SOURCE OF COLLECTION : **Drinking Water @  
Chlorine Filling Station**

DATE OF COLLECTION : **27-07-2023**

DATE OF ANALYSIS : **29-07-2023**

## TEST REPORT

S.No	Parameter	Unit	Result	IS 10500:2012 Specifications
1.	Odour	-	Agreeable	Agreeable
2.	Taste	-	Agreeable	Agreeable
3.	Turbidity	NTU	<0.01	1.0
4.	pH	-	8.24	6.5 – 8.5
5.	Total Dissolved Solids	mg/l	450	500
6.	Total Alkalinity as CaCO <sub>3</sub>	mg/l	246	200
7.	Total Hardness as CaCO <sub>3</sub>	mg/l	120	200
8.	Chlorides as Cl <sup>-</sup>	mg/l	152	250
9.	Fluorides as F	mg/l	0.52	1.0
10.	Nitrates as NO <sub>3</sub>	mg/l	<1.0	45
11.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	38.6	200
12.	Iron as Fe	mg/l	0.35	0.3
13.	Copper as Cu	mg/l	<0.01	0.05
14.	Zinc as Zn	mg/l	0.038	5.0
15.	Cadmium as Cd	mg/l	<0.001	0.003
16.	Lead as Pb	mg/l	<0.01	0.01
17.	Total Arsenic as As	mg/l	<0.01	0.01



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18.	Total Chromium as Cr	mg/l	<0.01	0.05
<b>MICROBIOLOGY:</b>				
19.	<i>E. coli</i>	CFU/ 100mL	Not detected	Shall not be detected in 100 ml
20.	<i>Fecal Coliforms</i>	CFU/ 100mL	Not detected	Shall not be detected in 100 ml

**Note:** All the above parameters are tested as per APHA methods, 23<sup>rd</sup> Edition, 2017

**Remarks:** As per the above report, all the parameters are within IS 10500:2012 Drinking Water Specifications.

  
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Ref: SVELC/GIL/23-07/13

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh – 533343

SAMPLE PARTICULARS : GROUND WATER

SOURCE OF COLLECTION : BORE WELL – 05

DATE OF COLLECTION : 27-07-2023

DATE OF ANALYSIS : 29-07-2023

## TEST REPORT

S.No	Parameter	Unit	Result
1.	pH	-	6.80
2.	Electrical Conductivity	mg/l	885
3.	Total Dissolved Solids	mg/l	538
4.	Total Hardness as CaCO <sub>3</sub>	mg/l	285
5.	Calcium as Ca	mg/l	77.6
6.	Magnesium as Mg	mg/l	22.3
7.	Carbonates as CO <sub>3</sub>	mg/l	Nil
8.	Bi-Carbonates as HCO <sub>3</sub>	mg/l	264
9.	Sodium as Na	mg/l	59.4
10.	Potassium as K	mg/l	7.08
11.	Chlorides as Cl <sup>-</sup>	mg/l	132
12.	Fluorides as F	mg/l	0.56
13.	Nitrates as NO <sub>3</sub>	mg/l	6.92
14.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	36.9

Note: All the above parameters are tested as per APHA methods, 23<sup>rd</sup> Edition, 2017

  
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Ref: SVELC/GIL/23-07/14

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
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Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh – 533343

SAMPLE PARTICULARS : GROUND WATER

SOURCE OF COLLECTION : BORE WELL – 06

DATE OF COLLECTION : 27-07-2023

DATE OF ANALYSIS : 29-07-2023


## TEST REPORT

S.No	Parameter	Unit	Result
1.	pH	-	7.23
2.	Electrical Conductivity	mg/l	1272
3.	Total Dissolved Solids	mg/l	718
4.	Total Hardness as CaCO <sub>3</sub>	mg/l	312
5.	Calcium as Ca	mg/l	82.9
6.	Magnesium as Mg	mg/l	25.7
7.	Carbonates as CO <sub>3</sub>	mg/l	Nil
8.	Bi-Carbonates as HCO <sub>3</sub>	mg/l	443
9.	Sodium as Na	mg/l	70.3
10.	Potassium as K	mg/l	9.45
11.	Chlorides as Cl <sup>-</sup>	mg/l	160
12.	Fluorides as F	mg/l	0.59
13.	Nitrates as NO <sub>3</sub>	mg/l	11.7
14.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	mg/l	50.4

Note: All the above parameters are tested as per APHA methods, 23<sup>rd</sup> Edition, 2017

  
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Ref: SVELC/GIL/23-07/15

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh – 533343**

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF SAMPLE MEASURED : **27-07-2023**

## TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		Day	Night	
1.	Near AAQMS -3 (North East)	68.1	62.4	IS:4954 – 1968 Noise Level
2.	Near AAQMS -2 (North West)	70.4	63.7	
3.	Near Command Control Center Building	64.8	56.3	
4.	Near Cell House Building	71.6	66.5	
<b>CPCB STANDARDS</b>		<b>75.0</b>	<b>70.0</b>	

**Note:** Day time shall mean from 6.00 am to 10.00 pm

Night time shall mean from 10.00 pm to 6.00 am

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Ref: SVELC/GIL/23-07/16

Date: 04-08-2023

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SAMPLE PARTICULARS : NOISE LEVELS

DATE OF SAMPLE MEASURED : 27-07-2023

## TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		Inside Enclosure	Outside Enclosure	
1.	2000 KVA DG Set -1	101	72.6	IS:4954 – 1968 Noise Level
2.	2000 KAV DG Set -2	100	71.3	
3.	2000 KVA DG Set -3	102	74.1	
CPCB STANDARDS			75.0	

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Ref: SVELC/GIL/23-07/17

Date: 04-08-2023

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Survey No 1 to 4, Near Kanedu Metta Road,  
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Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **EFFLUENT WATER**

SOURCE OF COLLECTION : **1. ETP INLET  
2. ETP OUTLET**

DATE OF COLLECTION : **27-07-2023**

DATE OF ANALYSIS : **29-07-2023**

## TEST REPORT

S.No.	PARAMETER	UNIT	RESULT		METHOD FOLLOWED	PCB STANDARD
			ETP Inlet	ETP Outlet		
1.	pH	--	8.36	8.04	APHA 4500-H+B, 23 <sup>rd</sup> Ed, 2017	5.5 - 9.0
2.	Total Dissolved Solids - TDS	mg/l	5224	1820	APHA 2540-C, 23 <sup>rd</sup> Edition, 2017	-
3.	Total Suspended Solids - TSS	mg/l	122	51.0	APHA 2540-D, 23 <sup>rd</sup> Edition, 2017	200
4.	Chemical Oxygen Demand - COD	mg/l	64.8	32.9	APHA 5220 B, 23 <sup>rd</sup> Edition, 2017	250
5.	Bio-Chemical Oxygen Demand - BOD (3 days incubation at 27°C)	mg/l	11.0	7.0	IS 3025 P 44	100
6.	Oil & Grease	mg/l	1.4	<1.0	APHA 5520 D, 23 <sup>rd</sup> Edition, 2017	10
7.	Chlorides as Cl <sup>-</sup>	mg/l	2210	49.3	APHA 4500 Cl, B 23 <sup>rd</sup> Edition	-

  
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Ref: SVELC/GIL/23-07/18

Date: 04-08-2023

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Andhra Pradesh - 533343

SAMPLE PARTICULARS : SEWAGE WATER

SOURCE OF COLLECTION : 1. STP INLET  
2. STP OUTLET

DATE OF COLLECTION : 27-07-2023

DATE OF ANALYSIS : 29-07-2023

## TEST REPORT

S.No.	PARAMETER	UNIT	RESULT		METHOD FOLLOWED	PCB STANDARD
			STP Inlet	STP Outlet		
1.	pH	--	7.21	6.94	APHA 4500-H+B, 23 <sup>rd</sup> Ed, 2017	5.5 - 9.0
2.	Total Dissolved Solids - TDS	mg/l	1326	789	APHA 2540-C, 23 <sup>rd</sup> Edition, 2017	-
3.	Total Suspended Solids - TSS	mg/l	120	62.0	APHA 2540-D, 23 <sup>rd</sup> Edition, 2017	100
4.	Chemical Oxygen Demand - COD	mg/l	206	30.1	APHA 5220 B, 23 <sup>rd</sup> Edition, 2017	250
5.	Bio-Chemical Oxygen Demand - BOD (3 days incubation at 27°C)	mg/l	65.0	6.0	IS 3025 P 44	30
6.	Oil & Grease	mg/l	1.5	<1.0	APHA 5520 D, 23 <sup>rd</sup> Edition, 2017	10

  
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Ref: SVELC/GIL/23-05/19

Date: 02-06-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : STACK ATTACHED TO HCL FURNACE VENT - A

DATE & TIME OF COLLECTION : 29-07-2023 @ 14:00hrs

DATE & TIME OF ANALYSIS : 01-08-2023 @ 11:45 hrs

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m <sup>2</sup>	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	21
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	5.64
10.	Gas Quantity	m <sup>3</sup> /hr	994
11.	Duration of Sampling	minutes	30

## EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	HCl Mist	mg/Nm <sup>3</sup>	2.57	35

  
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Ref: SVELC/GIL/23-05/20

Date: 02-06-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
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Andhra Pradesh - 533343

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : STACK ATTACHED TO HCL FURNACE VENT – B

DATE & TIME OF COLLECTION : 29-07-2023 @ 14:50hrs

DATE & TIME OF ANALYSIS : 01-08-2023 @ 12:00 hrs

## TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m <sup>2</sup>	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	33
7.	Stack Temperature	°C	31
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	6.08
10.	Gas Quantity	m <sup>3</sup> /hr	1072
11.	Duration of Sampling	minutes	30

## EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	HCl mist	mg/Nm <sup>3</sup>	2.81	35

  
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Ref: SVELC/GIL/23-07/21

Date: 04-08-2023

NAME AND ADDRESS : M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343

SAMPLE PARTICULARS : FUGITIVE AIR QUALITY

SOURCE OF COLLECTION : NEAR COAL YARD

DATE & TIME OF START : 28-07-2023 @ 10:30hr

DURATION OF SAMPLING : 08 hours

## TEST REPORT

S.No	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Total Suspended Particulate Matter	$\mu\text{g}/\text{m}^3$	210	10000	IS:5182 (P-4) Gravimetric

  
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Ref: SVELC/GIL/23-07/22

Date: 04-08-2023

NAME AND ADDRESS : **M/s. GRASIM INDUSTRIES LTD.,  
(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **FUGITIVE AIR QUALITY**

SOURCE OF COLLECTION : **NEAR SBP**

DATE & TIME OF START : **29-07-2023 @ 11:15hr**

DURATION OF SAMPLING : **08 hours**

## TEST REPORT

S.No	PARAMETER	UNIT	RESULT	OSHA STANDARDS
1.	Total Suspended Particulate Matter	$\mu\text{g}/\text{m}^3$	176	10000
2.	Chlorine	$\text{mg}/\text{m}^3$	0.78	3.0
3.	HCl	$\text{mg}/\text{m}^3$	<0.1	7.0

  
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Ref: SVELC/GIL/23-07/23

Date: 04-08-2023

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(Chemical Division, BB Puram)  
Survey No 1 to 4, Near Kanedu Metta Road,  
Balabhadrapuram, East Godavari,  
Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **FUGITIVE AIR QUALITY**

SOURCE OF COLLECTION : **NEAR CELL HOUSE**

DATE & TIME OF START : **31-07-2023 @ 10:45hr**

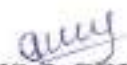
DURATION OF SAMPLING : **08 hours**

## TEST REPORT

S.No	PARAMETER	UNIT	RESULT	OSHA STANDARDS
1.	Total Suspended Particulate Matter	$\mu\text{g}/\text{m}^3$	132	10000
2.	Chlorine	$\text{mg}/\text{m}^3$	0.65	3.0
3.	HCl	$\text{mg}/\text{m}^3$	<0.01	7.0

  
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**Safety Critical Equipment's at Our Plant**



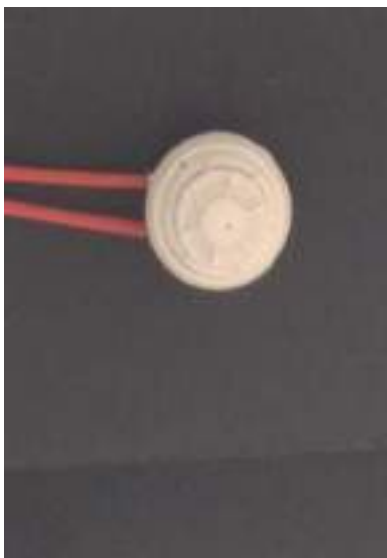
*Fig.1 Breathing line*



*Fig. 2 Chlorine Sensors*



*Fig. 3 SCBA*



*Fig.4 Smoke detectors*



*Fig.4 PA systems*



**Greenbelt in and around Our Premises**



*Fig. Greenbelt towards plant main gate.*



*Fig. Greenbelt Chlorine bullets area.*



*Fig. Greenbelt 15 TPH boiler area.*



*Fig. Greenbelt at plant main gate opposite area.*



*Fig. Palm Garden towards North West.*



*Fig. Greenbelt inside the plant.*



## Grasim Industries Limited- Balabhadrapuram

### Corporate Social Responsibility (Enterprise Social Commitment)

S No.	Activities	Budget (Cr)	Start Date	Target Completion Date	Remarks
1	Water Scheme at 2 nearby villages (Phase 1)	1.5	10-Jan-20	15-Jan-20	Drinking water scheme at Veerampalem and Nallamilli village completed
2	Water Scheme at 2 nearby villages (Phase 2)	1.7	01-Oct-21	01-Nov-21	Drinking water scheme at Donthamuru and Balavaram village
3	Water Scheme at 2 nearby villages (Phase 3)	1.8	01-Oct-22	01-Nov-22	Drinking water scheme at Singampalli and Balabhadrapuram village
4	Establishment of skill development centre	1.5	01-Jan-22	01-Apr-22	In discussion with AP Skill Development Cell
5	Water body development in open land	1.0	15-Mar-22	15-Apr-22	
6	Tree plantation in schools and other public places	1.0	01-Jan-23	01-Apr-23	
7	Community cultural centre	2.0	01-Jul-23	01-Sep-23	Donthamuru and Nallamilli village
8	Development of village roads	4.0	01-Jan-24	01-Jun-24	Roads from Balabhadrapuram to Kanedumetta
9	Women empowerment	2.0	01-Jul-22	01-Sep-22	Sanitation and development of female washrooms
10	Establishment of primary school	4.0	01-Jan-24	01-Aug-24	
11	Establishment of primary health centre	5.5	01-Jan-25	01-May-25	
12	Waste segregation and organic decomposting facility	4.0	01-Jun-25	01-Oct-25	
<b>Total</b>		<b>30.0</b>	Being 5% of the value of Rs 600 Cr in the Greenfield Project		

**Grasim Industries Limited- Balabhadrapuram**  
**Corporate Social Responsibility (Enterprise Social Commitment)**  
**In the Year 2023**

Activities	Villages Name	Budget (Lac)	No. of Locations	Status of work	Target date for Completion
Construction of Cultural Center	Anaparthi-Rellipeta	17.62	1	Handed over to Gram Panchayat	Completed
Construction of Cultural Center	Pandalapaka1&2	35.24	2	Handed over to Gram Panchayat	Completed
Construction of Cultural Center	Arikarevula	17.62	1	Handed over to Gram Panchayat	Completed
Construction of Cultural Center	Anaparthi V R Puram	17.62	1	Handed over to Gram Panchayat	Completed
Construction of Cultural Center	Illapalli Pakalu	17.62	1	Handed over to Gram Panchayat	Completed
Construction of Cultural Center	Vadisaleru-1, 3 & 4	52.86	3	Inauguration Completed	Completed
Construction of Cultural Center	Elakolanu	17.62	1	Inauguration Completed	Completed
Construction of Cultural Center	Rangapuram - 1 & 2	38.83	2	Ready for Inauguration	NIL
Construction of Cultural Center	Anaparthi Savaram	12.03	1	Ready for Inauguration	NIL
Construction of Cultural Center	Balavaram 1	18.2	1	Ready for Inauguration	NIL
Construction of Cultural Center	Donthamuru	70	1	Electrical,Plumbing,Doors&WindowsFixing,Painting&Tiles	Pending
Construction of Cultural Center	Balabhadrapuram -1 & 2	36.04	2	Electrical, Plumbing, Doors & Windows Fixing, Painting & Tiles	31.12.2023
Construction of Cultural Center	R S Peta	14.03	1	Plumbing, Doors & Windows Fixing, Painting & Tiles	31.12.2023
Construction of Cultural Center	Kapavaram	14.25	1	Electrical, Doors & Windows Fixing, Painting & Tiles	30.11.2023
Construction of Cultural Center	Pedapudi	17.62	1	Ready for Inauguration	NIL

Construction of Cultural Center	Pedaparthi	17.62	1	Fan & Tube light Fixing Second coat Painting	15.11.2023
Construction of Cultural Center	Pyna	15.79	1	Doors & Windows Fixing, Painting & Tiles	15.11.2023
Construction of Cultural Center	Konkuduru	19.26	1	Electrical, Plumbing, fixing Doors & Windows, Tiles Work, Painting	25.11.2023
Construction of Cultural Center	Illapalli	17.62	1	Doors & Windows Fixing, Painting & Tiles	20.11.2023
Construction of Cultural Center	Balavaram 3	18.06	1	Plastering, Brick work, Electrical, Tiles work, Painting	25.11.2023
Construction of Cultural Center	Voolapalli	24.23	1	Electrical, Plumbing, fixing Doors & Windows, Tiles Work & Painting	30.11.2023
Construction of Cultural Center	Anaparthi BPN	17.62	1	Plastering, Brick work, Electrical, Tiles work, Painting	25.11.2023
Construction of Cultural Center	Vadisaleru 2	16.51	1	Slab Work, Brick Work, Plastering, Electrical, Tiles work, Painting	10.12.2023
Construction of Cultural Center	G Mamidada 1	24.77	1	Painting & Fencing.	15.11.2023
Construction of Cultural Center	G Mamidada 2	15.34	1	Slab work, Brick Work, Plastering, Electrical, Tiles	30.11.2023
Construction of Overhead Water Tanks	Balavaram - 60 KL	40	1	Painting & Inlet Connection from Motor to Water	Pending
Construction of Overhead Water Tanks	BB Puram - 90 KL	50	1	Plastering, Bore well, Painting, Inlet Connection From Motor to Water Tank	30.11.2023
Construction of Press Club	Biccavolu	20.62	1	Completed & Inaugurated	NIL
Construction of Rest Rooms for Girls & Ground Leveling work @ Govt. High School	Biccavolu	11.12	1	Rest Rooms completed & handed over, Ground Leveling work is pending	NIL
Construction of RO Plant 1000 LPH	Komaripalem	7.45	1	Work is in progress	30.11.2023
Skill Development Center	Dontamuru	-	1	Ongoing Batch V training the village women of Dontamuru and near by villages on Tailoring Skill	



ADITYA BIRLA GROUP

## ENVIRONMENTAL POLICY

Aditya Birla Group, a global conglomerate, recognizes that effective management of environment impacts is a fundamental part of our business. We shall strive to integrate sound environmental practices across the Group's management and governance systems to minimize environmental impacts and attain a leadership position in environmental stewardship.

Every Aditya Birla Group Company shall endeavour to:

- Maintain positive legal compliance to environmental regulations and conform to the requirements of Aditya Birla Group Sustainability Framework;
- Progressively develop, implement and maintain an internationally accepted environmental management system in our operations and new projects;
- Take initiatives towards efficient use of natural resources and energy; reduction and prevention of pollution; and promoting waste avoidance and recycling measures in line with internationally disseminated technologies and practices;
- Enhance environmental awareness through participation and consultation with employees and contractors by training and effective channels of communication;
- Engage with internal and external stakeholders and wider communities to broaden our understanding of environmental priorities, their links to global issues and initiate actions on key environmental challenges;
- Influence our contractors and suppliers to adopt the Aditya Birla Group environmental policies, principles and practices and encourage appropriate environmental management across the supply and value chain;
- Continually improve environmental performance of current and future products, services and infrastructure of the Aditya Birla Group's Companies; and
- Monitor, measure, report the progress, performance of environmental conservation and management initiatives in compliance with internationally recognized protocols and communicate approach and achievements to relevant stakeholders.

Each Aditya Birla Group Company shall sign up to this policy or develop an equivalent that shall be implemented throughout its operations.

This policy will be reviewed periodically for its suitability and updated as necessary.

**Date: 18<sup>th</sup> August 2016**

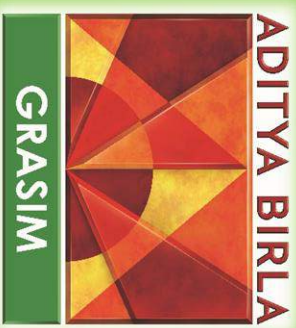
**ABG/SUST/POL/01**

**Version: V-3**

*Disclaimer: The 'Aditya Birla Group' is commonly and for convenience referred to a group of entities which use the group's trademark 'Aditya Birla' and/or 'Sunrise Logo' as a part of their corporate name, logo and/or in relation to their products and services, either by virtue of shareholding interest or otherwise. The 'Aditya Birla' and 'Sunrise Logo' trademarks, registered in India and around the world, are owned by Aditya Birla Management Corporation Private Limited (ABMCPL). ABMCPL is the centre of excellence and provides varied centralised expert services to its member entities. The terms of use of the group mark, logo and expert centralised services by Aditya Birla Group companies are governed by arm's length contractual arrangements entered into between ABMCPL and Aditya Birla Group companies. ABMCPL provides no services to third parties outside the Aditya Birla Group. No Aditya Birla Group company has any authority to obligate or bind ABMCPL or any other Aditya Birla Group company vis-à-vis third parties, nor does ABMCPL have any such authority to obligate or bind any Aditya Birla Group company. The term 'Group' should not be used for any legal purpose and provisions of relevant law shall apply whenever there is a need to define the term 'group'.*

An Aditya Birla's Grasim, BB Puram Initiation

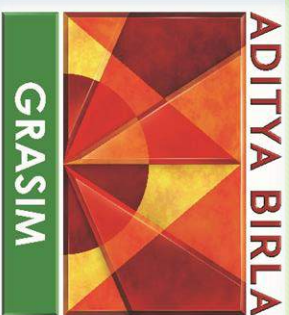
# Corporate Environmental Responsibility







**Mrs. Rajashree Birla,**  
Chairperson  
Aditya Birla Centre for Community Initiatives and Rural Development



## CSR @ Aditya Birla Group

To actively contribute to the social and economic development of the communities in which we operate.

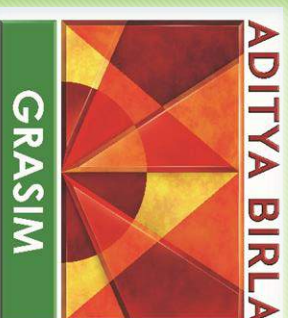
In doing so, build a better, sustainable way of life for the weaker sections of society and raise the country's human development index.

### OUR FOCUS CSR AREAS

- GIRL CHILD & WOMEN EMPOWERMENT
- DRINKING WATER & SANITATION
- SUSTAINABLE DEVELOPMENT & LIVELIHOOD
- RURAL INFRASTRUCTURE DEVELOPMENT
- ENVIRONMENT DEVELOPMENT

**GRASIM INDUSTRIES LIMITED, BALABHADRAPURAM, EAST GODAVARI**

# An Aditya Birla's Grasim Initiation under CSR Journey



## Grasim In East Godavari So Far

### WOMEN EMPOWERMENT

Skill Development Tailoring Workshop for Women in Donthamuru Village

### DRINKING WATER

1000 LPH Drinking water Purification Plant with Chiller at Veerampalem Village  
500 LPH Drinking water Purification Plant with Chiller at Nallamilli village.  
90KL Water Tank under construction at Dontamuru Village  
60KL Water Tank under Construction at Balavaram Village  
Bhoomi Pooja Performed for constructing 90KL Water Tank at Balabhadrapuram Village

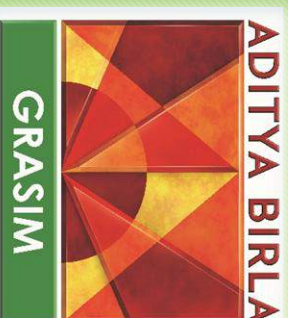
### COVID PREVENTIVE MEASURES

IN First wave for 8 months twice a week we Sanitised 14 Villages in our vicinity as COVID fighting measure.  
In Second wave we have organised for 3 months already.  
We donated more than 2.5 Tons of High Strength Bleach during severe Wave @ MAMIDADA to the collectors office.

### Greenery, Airport Beautification & Maintenance

Greenery development at Primary Health Center, Biccavolu  
Landscaping done at Rajahmundry Airport also responsible for its Maintenance

# An Aditya Birla's Grasim Initiation under CSR Journey (continued....)



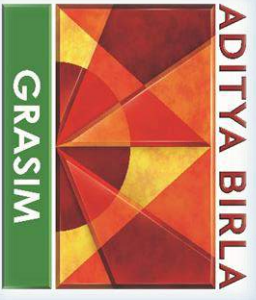
## Grasim In East Godavari So Far

**Rural Infra Development**      Infra Development done at the Govt. Office at DCL Office Kakinada, Sachivalayam Balabhadrapuram and MRO office Biccavolu.

**Self Sustenance**      One of the Barber from Nallamilli village is provided Basic Infra and amenities for his sustenance.

- Community Services**
1. Water dispensers to Govt. Offices
  2. Refurbishment at Fire Centre @ Anaparthi
  3. MRO Office Complete Refurbishment @ Biccavolu
  4. Amenities at PHC Biccavolu
  5. Building Recreation and Sports Infrastructure at Govt. School, BB Puram
  6. Roads are been repaired at BB Puram Bridge for all Public & Villagers and contributed for road repairs at Kanedu Metta
  7. Contribution towards the AP CM Cup District level Sports at G Mamidada
  9. High Neck Chair given to MRO Office at Biccavolu
  10. Site Grading Works for AP Govt. BB Puram
  11. Constructing Community Centers at Nallamilli, Balavaram & Balabhadrapuram Villages

# Aditya Kausalya Mahila Vikasa Kendram @ Donthamuru



**Details**  
Skill Development Centre - to impart training on tailoring, embroidery, and fashion ...  
To make women empowered and to have self sustained source of income.  
6 Batches Graduation ceremony is done.



**Cost**  
Fixed Cost Rs.5 lacs & monthly recurring Rs.0.50 lakhs

**Beneficiaries**  
1080 Female Literacy

**Date**  
14<sup>th</sup> June 2021 (On Going batch 7)



# 1st Batch Graduation Ceremony @ Kausalya Mahila Vikasa Kendram



# 2<sup>nd</sup> Batch Graduation Ceremony @ Kausalya Mahila Vikasa Kendram



# 3<sup>rd</sup> Batch Tailoring Test Conducted@ Kausalya Mahila Vikasa Kendram

**Details**  
Skill Development Centre - Tailoring Test conducted for Batch III which includes both Balavaram & Dontamuru.

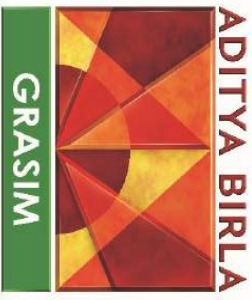
**Cost**  
Rs.0.70 lakhs

**Beneficiaries**  
30 Female Literacy

**Date**  
09<sup>th</sup> November 2022



# 3<sup>rd</sup> Batch Graduation Ceremony @ Kausalya Mahila Vikasa Kendram - 03.06.2023





# 4<sup>th</sup> Batch Tailoring Test Conducted@ Kausalya Mahila Vikasa Kendram

## Details

Skill Development Centre - Tailoring Test conducted for Batch IV which includes both Balavaram & Dontamuru.  
Ongoing at present Batch V

## Cost

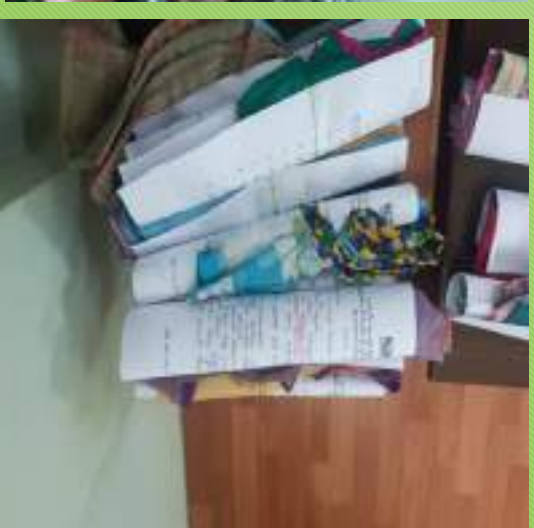
Rs.0.70 lakhs

## Beneficiaries

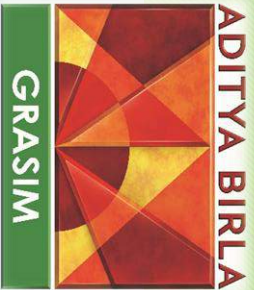
30 Female Literacy

## Date

23<sup>rd</sup> June 2023



# Youth Empowerment - Driving Course @ Govt ITI College Kakinada



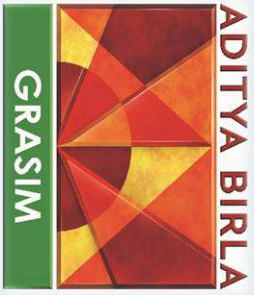
Details	Skill Development Centre - To empower the Men in the nearby Villages/Community provided driving classes at Govt ITI college, Kakinada which is a certification of 25 days course for near by villages from LLR to License with extra practical classes at our plant area from external agency
Cost	Rs.1.4 lakhs
Beneficiaries	10 Male Youth
Date	13 <sup>th</sup> February 2023-



# 1<sup>st</sup> Batch Graduation Ceremony @ Youth Empowerment-03.06.2023



# Building Recreation and Sports Infrastructure



Name of the School

Government High School, Balabhadrapuram

Cost:

Rs. 0.85 lac (Sports Kit: Rs 0.25 & P lac A System: Rs. 0.60 lac)

Description:

Provided Sports kit to Govt. School in neighbourhood of Balabhadrapuram Games of Volley Ball, Foot Ball, Cricket etc. The total Strength in School about 400 Students. PA System can be used to broadcast emergency messages to all Students in the School.

Beneficiaries

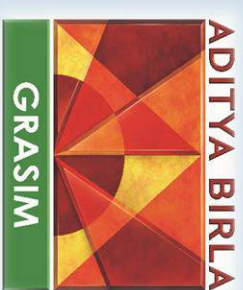
400 Students

Date

02<sup>nd</sup> August 2020



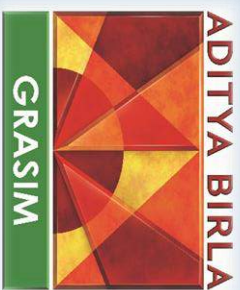
# RO Plant @ Nallamilli Village



Details	500 Liters per Hour Purified drinking water plant along with Chiller at Nallamilli Village. Issued smart Cards to all the families of Village for collecting water.
Cost	Rs. 45 lakhs
Beneficiaries	500 families
Date	26 <sup>th</sup> April 2021



# RO Plant @ Veerampalem Village



**Details**  
1000 Liters per Hour Purified drinking water plant along with Chiller at P.Veerampalem Village. Issued smart Cards to all the families of Village for collecting water.

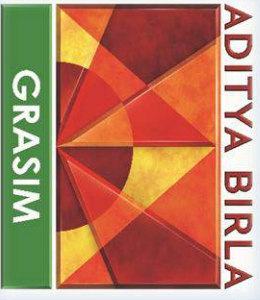
**Cost**  
Rs. 50 lakhs

**Beneficiaries**  
1000 families

**Date**  
24<sup>th</sup> April 2021



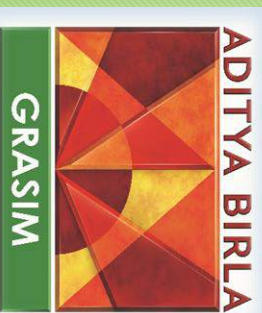
# Construction of Water Tank @ Dontamuru



<b>Description:</b>	Constructed 90,000 Liters capacity over head tank for supplying water to the entire village of Dontamuru Which was inaugurated by Local Anaparthi MLA on 18 <sup>th</sup> of Nov 22 and handed over to Village Panchayat.
<b>Cost</b>	Approximately Rs. 75 lacs
<b>Beneficiaries:</b>	1500 families
<b>Date:</b>	29 <sup>th</sup> Oct 2021 - 18 <sup>th</sup> Nov 2022(Closed)



# Construction of Water Tank is in Progress @ Balavaram

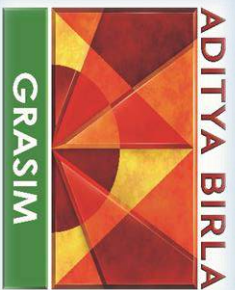


<b>Description:</b>	Constructing 60,000 Liters capacity over head tank for supplying water to the entire village of Balavaram (Completed 70% of the work)
<b>Cost</b>	Approximately Rs. 70 Lacs
<b>Beneficiaries:</b>	1000 families
<b>Date:</b>	04 <sup>th</sup> March 2022





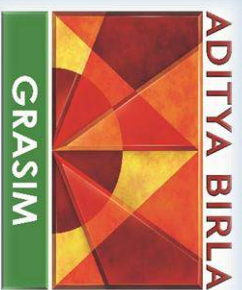
# Construction of Water Tank is in Progress @ Balabhadrapuram



<b>Description:</b>	Constructing 90,000 Liters capacity over head tank for supplying water to the entire village of Balabhadrapuram
<b>Cost</b>	Approximately Rs. 45 lacs
<b>Beneficiaries:</b>	1600 families
<b>Date:</b>	21 <sup>st</sup> March 2022



# COVID Preventive Measures



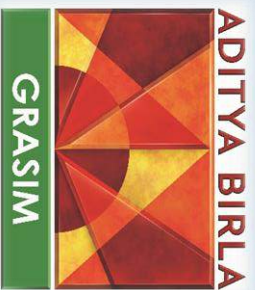
## HIGH STRENGTH BLEACHING POWDER DISTRIBUTION ( RENSA )

LOCATION	QUANTITY DISTRIBUTED	CUMULATIVE QUANTITY DISTRIBUTED AS ON APR 2020	REMARKS
BICCAYOLU	1000 KG	1500KG	<p>Date: 28<sup>th</sup> March, 2020</p> <p>GRASIMTEAM: Bhanuprakash Reddy, Nagaraju</p> <p>VILLAGE REPRESENTATIVES: MANDAL EOPRD : Mrs Bhavani PANCHAYAT SECRATARY: Shri. Satyanarayana Reddy</p> <p>Date: 02<sup>nd</sup> April, 2020</p> <p>GRASIM TEAM: MURALI.M, Nagaraju</p> <p>VILLAGE REPRESENTATIVE: PANCHAYAT SECRATARY: Shri. Satyanarayana Reddy</p>
	500 KG		

Highlighted in Local News paper, Handed Over to Mrs. Bhavani (E.O.PRD) for entire E.G Dist requirements.



# Chemical Disinfectant Anti COVID Spray @ Villages



## SIGNIFICANT - ACTIVITIES ( 2019-2020 )

No. of Villages covered

12 Villages

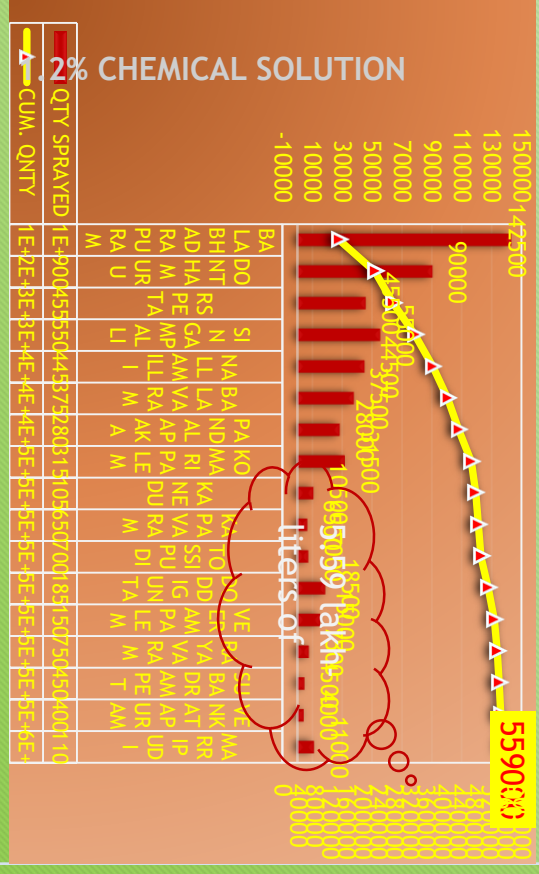
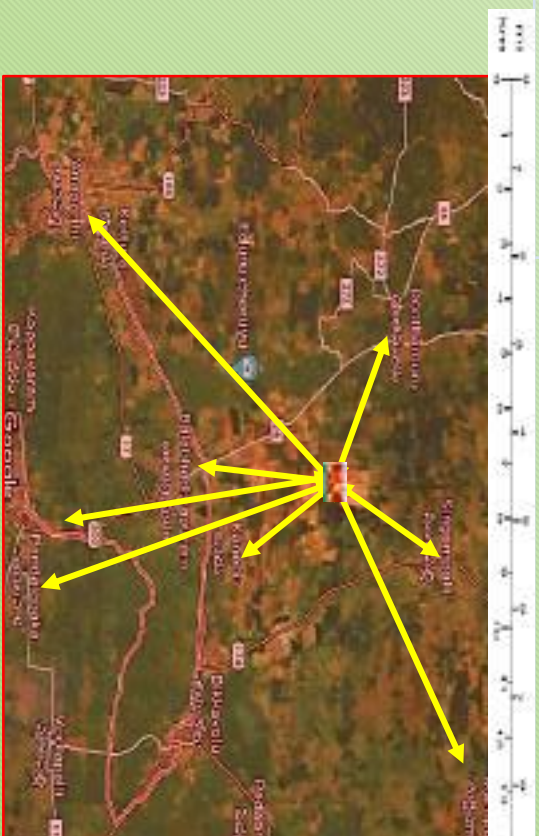
Radius of ZONES covered from Grasim

12.5 km radius from Plant

Types of Chemical

CALCIUM HYPOCHLORITE -  $\text{Ca}(\text{ClO})_2$   
HIGH STRENGTH BLEACHING POWDER (RENESA ) 1.2% SOLUTION

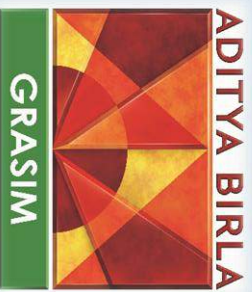
Quantity of Disinfectant solution  
( 1.2% of HSBP: )



# Villages Sanitization:



# CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



**DATE : 06.06.2020**

OUR NEARBY MANDAL VILLAGE "G.MAMIDADDA" IS SEVERELY AFFECTED CORONA VIRUS.AS OUR SOCIAL RESPONSIBILITY WE PROVIDED TRACTOR SPRAYERS AND SPRAYING PERSONS FOR 4 DAYS TO G.MAMIDADDA VILLAGE SANITIZATION PURPOSE.

DAY	DATE	NO. OF TRACTOR SPRAYERS	NO. OF SPRAYING PERSONS
SATURDAY	30/5/2020	2	4
SUNDAY	31/5/2020	1	1
MONDAY	01/06/2020	1	2
WEDNESDAY	03/06/2020	1	2

**CERTIFICATE**

Date: 03-06-2020  
G.Mamidadda

This is Certified that due to pandemic covid-19 spreading in G.Mamidadda village purpose M/5 Grasim Industries Ltd, Balabhadrapuram arranged tractor sprayers and spraying persons in the following days:

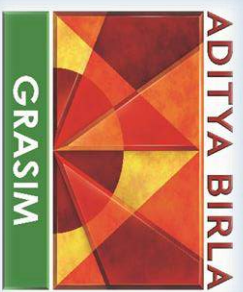
S.NO	DAY	DATE	NO OF TRACTOR	NO OF PERSONS
1	SATURDAY	30/05/2020	2	4
2	SUNDAY	31/05/2020	1	1
3	MONDAY	01/06/2020	1	2
4	WEDNESDAY	03/06/2020	1	2

Regards



7/6/2020  
Somashekhar  
In-charge  
G.MAMIDADDA

# Basic Amenities Support - Govt. Departments



**Description:** Refrigerated R.O water dispensers (Hot & Cold) with costing Rs..32 Lacs & total Beneficiaries will be 3000 villagers.

**Locations:**

1. Bikkavolu Police Station (08-04-2021)
2. MRO Office
3. BB Puram
4. VRO Office & Panchayat Office

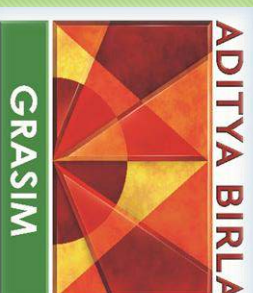
**Cost** Rs. 2Lacs

**Beneficiaries:** All Staff members

**Date:** 01<sup>st</sup> June 2020



# Road Construction & Repairs @ BB Puram & Kanedu Metta



## Description:

Road Bridge construction at Balabhadrapuram Village & contributed for Kanedu Metta Road Repairs

## Cost:

Total Rs. 19 Lacs  
BB Puram Bridge construction Rs. 14 Lacs  
Kanedu Metta road: Rs. 5 Lacs

## Beneficiaries:

All Public

## Date:

12<sup>th</sup> Oct 2021 (BB Puram Bridge)  
03<sup>rd</sup> Nov 2021 (Kanedu Metta Road)



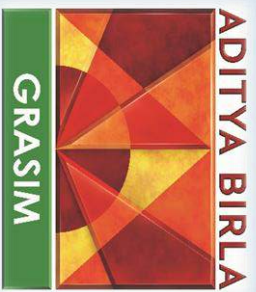
BB Puram Bridge Work



Kanedu Metta Gravel Road work



# Greenery Development - PHC Biccavolu



**Description:**  
Greenery development at Primary Health Center Biccavolu

**Cost:**  
Rs. 1.25 Lacs

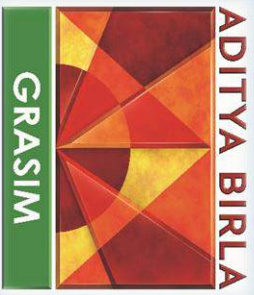
**Beneficiaries:**  
All Public

**Date:**  
24<sup>th</sup> Sept, 2021





# Greenery Development - Rajahmundry Airport



**Description:**  
Greenery development at Rajahmundry Airport and its Maintained by us.

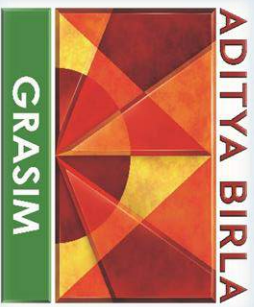
**Cost:**  
Rs. 35 Lacs + Monthly Maintenance of Rs. 55 Thousand

**Beneficiaries:**  
All Public

**Date:**  
15<sup>th</sup> June 2020 (On Going)



# Infra Developments @ Govt Offices



**Description:**

- 1.IT Infra Development at DCL Office Kakinada
- 2.Sachivalayam Balabhadrapuram and MRO Office Biccavolu
3. Infra Development at MRO Office , Bikkavolu

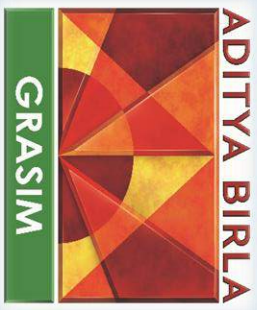
**Cost:** Rs. 2 Lacs

**Beneficiaries:** Office Staff

**Date:** 26<sup>th</sup> Jan 2022 (DCL , KKD)  
4<sup>th</sup> Feb 2022 (Sachivalayam, BBPuram)  
08 Feb 2022 (MRO Office, Bikkavolu)



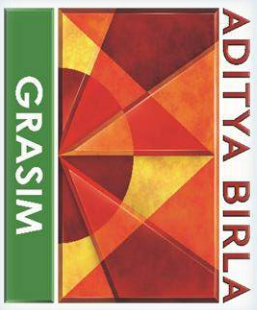
# Infra Developments @ Govt Offices



<b>Description:</b>	1. Infra Development at MRO Office , Bikkavolu
<b>Cost:</b>	Rs. 0.62 Lacs
<b>Beneficiaries:</b>	Office Staff
<b>Date:</b>	01 <sup>st</sup> Oct 2022 (MRO Office, Bikkavolu)



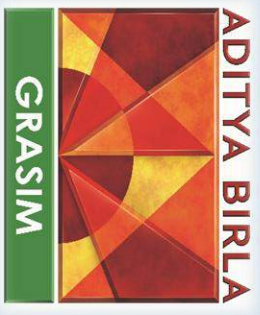
# Infra Developments @ Govt. Office Ground Water Department, Rajahmundry



<b>Description:</b>	1. Infra Development at Ground water Department, Rajahmundry
<b>Cost:</b>	Rs. 0. 60 Lacs
<b>Beneficiaries:</b>	Office Staff
<b>Date:</b>	26 <sup>th</sup> April 2023



# Infra Developments @ Govt Office Police Station, Bikkavolu



<b>Description:</b>	1. Infra Development at Police station, Bikkavolu
<b>Cost:</b>	Rs. 0. Lacs
<b>Beneficiaries:</b>	Office Staff
<b>Date:</b>	2023 (Yet to be handed over)



# Self Sustainance

## Description:

For setting up of saloon shop we have donated a chair and Roof Sheeting to one of the needy villager as a part of self-development initiation at Nallamilli village.

## Cost

Rs. 0.25 lac

## Beneficiaries:

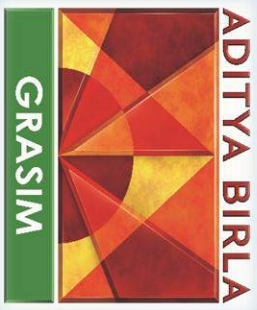
Self & family members

## Date:

30<sup>th</sup> June 2021



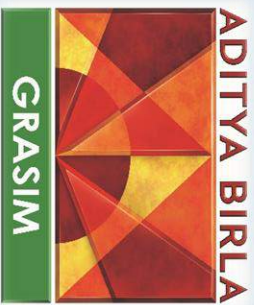
# Infra Developments @ Employment Exchange Department, Kakinada



<b>Description:</b>	1. Infra Development at Employment Exchange Department office, Kakinada
<b>Cost:</b>	Rs. 0.98 Lacs
<b>Beneficiaries:</b>	Office Staff
<b>Date:</b>	06 <sup>th</sup> February 2023



# Solar Signal Lights installed @ Balabhadrapuram

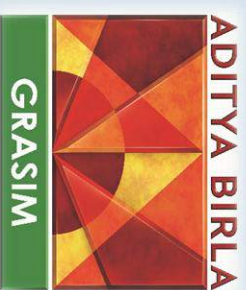


<b>Description:</b>	1. Solar Signal Lights installed at Balabhadrapuram on both sides of the Road heading to Plant for Public Safety
<b>Cost:</b>	Rs. 0.57 Lacs
<b>Beneficiaries:</b>	General Public
<b>Date:</b>	03 <sup>rd</sup> February 2023





# Community Hall @ Nallamilli (1), Dontamuru (1), Balavaram (1), Balabhadrapuram (2), Dontamuru (2),



<b>Description:</b>	As requested by the Villagers for them to have a single gathering point and for any functions to be used Planning for Balavaram & Balabhadrapuram Village as well. <b>Community Hall work is completed at Nalamilli village and it is inauguration.</b> Construction work is in progress at Dontamuru Village.
<b>Cost:</b>	20 Lacs
<b>Beneficiaries:</b>	All Villagers
<b>Date:</b>	Bhoomi Pooja: On 21 <sup>st</sup> Feb 2022 (Nallamilli), On 04 <sup>th</sup> Mar 2022 (Balavaram & Donthamuru), On 21 <sup>st</sup> Mar 2022 (Balabhadrapuram)



Bhoomi Pooja @ Balavaram

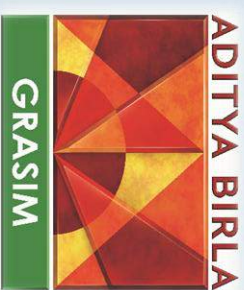


Work Progress @ Donthamuru



Nallamilli Community Centre

# Community Hall @ Nallamilli



**Description:** As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 18<sup>th</sup> Nov 2022 by Local Anaparthu MLA and handed over to the village Panchayat.

**Cost:** 25 Lacs

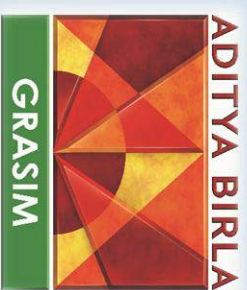
**Beneficiaries:** All Villagers

**Date:** 21<sup>st</sup> Feb 2022 - 18<sup>th</sup> November 2022(Closed)





# Cultural Centre @ Anaparthi-Rellipeta



**Description:**  
As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 12<sup>th</sup> Sep 2023 by Local Anaparthi MLA and handed over to the village Panchayat.

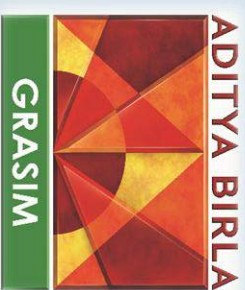
**Cost:**  
17.62 Lacs

**Beneficiaries:**  
All Villagers

**Date:**  
12<sup>th</sup> September 2023 (Closed)



# Cultural Centre @ Pandalapakka 1 & 2



## Description:

As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 13th Sep 2023 by Local Anaparthi MLA and handed over to the village Panchayat.



## Cost:

35.24 Lacs

## Beneficiaries:

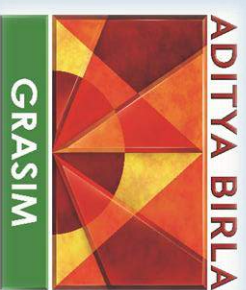
All Villagers

## Date:

13<sup>th</sup> September 2023 (Closed)



# Cultural Centre @ Arikarevula



**Description:**  
As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 13th Sep 2023 by Local Anaparthi MLA and handed over to the village Panchayat.

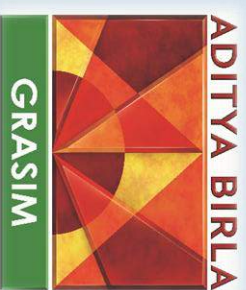
**Cost:**  
17.62 Lacs

**Beneficiaries:**  
All Villagers

**Date:**  
13<sup>th</sup> September 2023 (Closed)



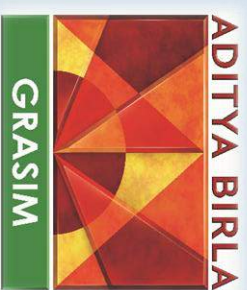
# Construction of Toilets Block at Govt. School, Bikkavolu



Description:	Constructing Toilet Block for students at Govt. School Biccavolu and Ground Leveling work done at School Ground.
Cost:	11.12 Lacs
Beneficiaries:	250 Students
Date:	10 <sup>th</sup> June 2023(Closed)



# Press Club@ Bikkavolu Village



**Description:**  
As requested by the Anaparthi MLA they want to have a proper Office place for Staff & public Assistance, which was inaugurated on 13th Sep 2023 by Local Anaparthi MLA and handed over to the village Gram Panchayat.

**Cost:** 20.62 Lacs

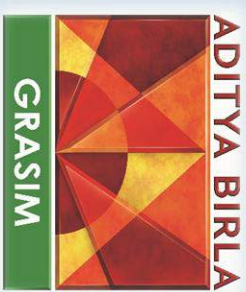
**Beneficiaries:** All Villagers

**Date:** 13<sup>th</sup> September 2023(Closed)





# Cultural Centre @ Anaparthi VR Puram



<b>Description:</b>	As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 12 <sup>th</sup> Sep 23 by Local Anaparthi MLA and handed over to the village Panchayat.
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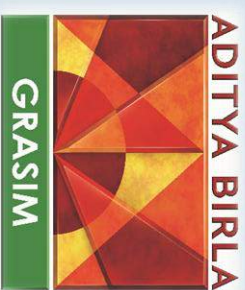
<b>Cost:</b>	17.62 Lacs
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<b>Beneficiaries:</b>	All Villagers
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<b>Date:</b>	12 <sup>th</sup> September 2023(Closed)
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# Cultural Centre @ Illapalli Pakalu



**Description:**  
As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 12th Sep 2023 by Local Anaparthi MLA and handed over to the village Gram Panchayat.

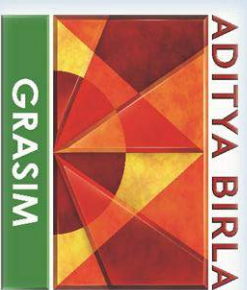
**Cost:**  
17.62 Lacs

**Beneficiaries:**  
All Villagers

**Date:**  
12<sup>th</sup> September 2023 (Closed)



# Cultural Centre @ Elakolanu



**Description:**  
As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 1.....2023 by Local Anaparthu MLA and handed over to the village Panchayat.

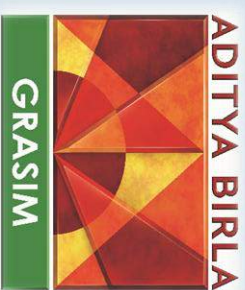
**Cost:**  
17.62 Lacs

**Beneficiaries:**  
All Villagers

**Date:**  
30<sup>th</sup> October 2023(Closed)



# Cultural Centre @ Vadisaleru 1,3 & 4(3 Locations)



**Description:**  
As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 12<sup>th</sup> September 2023 by Local Anaparthi MLA and handed over to the village Panchayat.

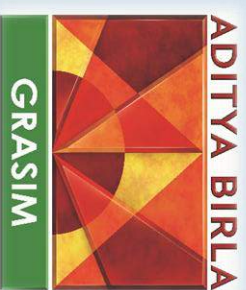
**Cost:**  
52.86 Lacs

**Beneficiaries:**  
All Villagers

**Date:**  
30<sup>th</sup> October 2023(Closed)



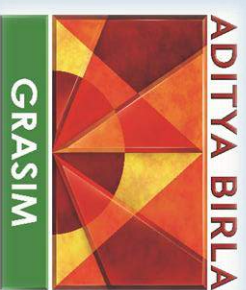
# Contribution towards the Floods effected people at Amalapuram



Description:	Contribution towards the floods effected people at Amalapuram village through DIC Rajahmundry where we have supplied water bottles, Namkins, Biscuits for 5000 Members.
Cost:	1 Lac
Beneficiaries:	5000 People
Date:	17 <sup>th</sup> Jul 2022



# Contribution towards Pradhan Mantri TB Mukta Bharat Abhiyaan (PMTB MBA) - Nikshay Mitra



**Description:** We have adopted 104 TB patients from Anaparthi TB Unit of East Godavari District, to provide nutritious food for a period of six months under "Pradhanamantri TB Muft Bharat Abhiyan - Nikshay Mitra" programme being implemented in the State. In a programme held at Collectorate, Grasim has handed over a cheque of Rs.4,45,000/- to the District Collector through the hands of Hon'ble Home Minister Smt. Taneti Vanita today (28.11.22).

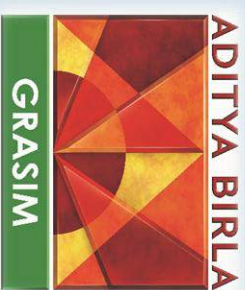
**Cost:** 4.45 Lac

**Beneficiaries:** 104 People

**Date:** 28<sup>th</sup> November 2022 - 27<sup>th</sup> April 2023



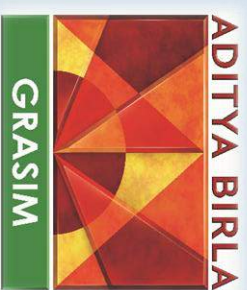
# SBP distribution to the Anaparthi Constituency



<b>Description:</b>	Distributed 21 tones of Stable Bleaching powder to the Anaparthi Constituency( 4 Mandals Rangampeta, Bikkavolu, Anaparthi, Pedapudi) under sanitization purpose
<b>Cost:</b>	2.09 Lac
<b>Beneficiaries:</b>	76 Villages
<b>Date:</b>	26 <sup>th</sup> May 2022



# Lighting at Rajahmundry Airport during AKAM



<b>Description:</b>	Contributed towards the celebrations of Azadi Ka Amrit Mahotsav for lighting at Rajahmundry Airport
<b>Cost:</b>	0.40 Lac
<b>Beneficiaries:</b>	All Public
<b>Date:</b>	13 <sup>th</sup> to 15 <sup>th</sup> August 2022





# Further Greenery Development & maintenance at Rajahmundry Airport

**Description:** New Agreement Made between with Rajahmundry Airport Team for further development & maintenance towards the Garden and upgradation of Airport.

**Cost:** 40 Lac

**Beneficiaries:** All Public

**Date:** 01<sup>st</sup> Oct, 2022



# Extended Support during Pandemic @ Primary Health Centre, Biccavolu

**Description:**

Medical Surgical Gloves, Hand Sanitizers, Nose Masks

**Cost:**

Rs. 0.15 lac

**Beneficiaries:**

Medical Staff

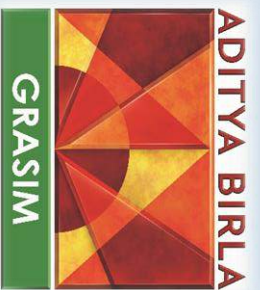
**Date:**

April & May 2021

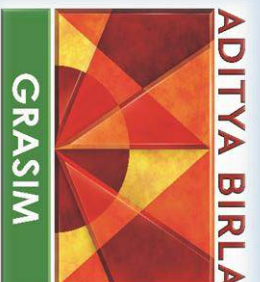




# CORPORATE SOCIAL RESPONSIBILITY - REPORTING:



# CORPORATE SOCIAL RESPONSIBILITY - REPORTING:



We participated in a program jointly with ITC, KPR Group and other companies in the vicinity to provide some rations and help to the local citizen journalists about 125 numbers who are out of assignments.





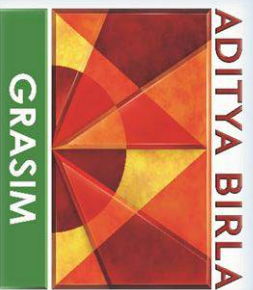








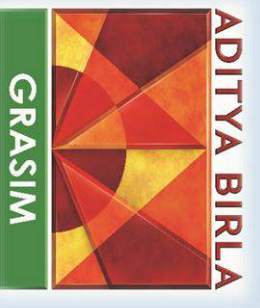
# CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



Grasim Industries Limited, Balabhadrapuram, has adopted 104 TB patients from Anaparathi TB Unit of East Godavari District, to provide nutritious food for a period of six months under "Pradhanamantri TB Muft Bharat Abhiyan - Nikshay Mitra" programme being implemented in the State. In a programme held at Collectorate, Grasim has handed over a cheque of Rs.4,45,000/- to the District Collector through the hands of Hon'ble Home Minister Smt. Taneti Vanita on (28.11.22). Mr.RG Krishnan, Unit Head and Murali Krishna HR Head with the CSR team were present in the programme.



# CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



## వివరాలపై

### కమ్యూనిటీ వార్య ప్రారంభించిన ఎమ్మెల్యే



బాంబూట్ల - అసెంబ్లీ సీటర్ లో మా. మదనరావుగారు మాట్లాడుతూ... అసెంబ్లీ సభ్యులలో 25 మందికి, మిగిలిన వారికి పాఠశాలలు, ఆరోగ్య కేంద్రాలు, పుస్తకాలను పంపిణీ చేస్తామని ప్రకటించారు. అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు. అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## గ్రామీణ భవనాల ప్రారంభం



మదనరావుగారు ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు. అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## పాత్రికేయులు లేకుండానే ప్రెస్ క్లబ్ ప్రారంభం

పాత్రికేయులను ఎమ్మెల్యే కి దూరం చేస్తున్న ప్రాంతం నాయకులు... పాత్రికేయులు లేకుండానే ప్రెస్ క్లబ్ ప్రారంభం చేయాలని ప్రయత్నించారు. అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## ఇటీవలి తో సామాజిక భవనం ప్రారంభించిన ఎమ్మెల్యే సత్తి



ఇటీవలి తో సామాజిక భవనం ప్రారంభించిన ఎమ్మెల్యే సత్తి... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## బి.ఎస్.ఎస్.ఎస్. సామాజిక భవనం ప్రారంభం



బి.ఎస్.ఎస్.ఎస్. సామాజిక భవనం ప్రారంభం... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## అలకిరవుల తో గ్రామీణ వారి కమ్యూనిటీ వార్య ప్రారంభం



అలకిరవుల తో గ్రామీణ వారి కమ్యూనిటీ వార్య ప్రారంభం... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## ఆంధ్రపత్రిక

ఆంధ్రపత్రిక... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

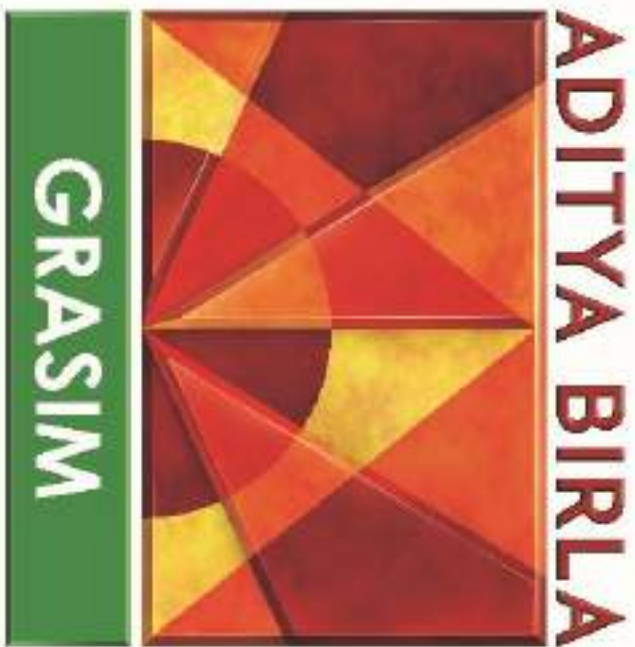
## వారసత్వ భవనం ప్రారంభం



వారసత్వ భవనం ప్రారంభం... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.

## ఆంధ్రపత్రిక

ఆంధ్రపత్రిక... అసెంబ్లీ సభ్యులకు అందరికీ కృషి చేసి, ప్రజలకు అందరికీ సేవ చేసేందుకు ప్రయత్నిస్తామని ప్రకటించారు.



CER @ BB Puram



GIL/BEP/UH/ENV/158  
24<sup>th</sup> December 2021

The Regional Director,  
Ministry of Environment Forest and Climate change,  
Regional office (South Eastern Zone),  
1<sup>st</sup> and 2<sup>nd</sup> Floor, HEPC Building No. 34,  
Cathedral garden road,  
Nungambakkam, Chennai-600 034

Dear Sir,

**Sub: Commencement of Operations- Grasim Industries Ltd.,**

- (Ref: 1. Environmental Clearance vide F. No. J-11011/90/2011-IA II (I), Dated 22nd March, 2013  
2. Transfer of Environmental Clearance vide F. No. J-11011/90/2011-IA II (I), Dated 21<sup>st</sup> November, 2019.  
3. Extension of validity of EC till 22<sup>nd</sup> March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18<sup>th</sup> August 2020.)

We would like to place on record that we Grasim Industries Limited, Balabhadrapuram (V), Biccavolu (M), East Godavari District, Chlor Alkali plant has commenced operations w.e.f 24<sup>th</sup> December 2021.

We confirm that all the safety precautions are in place for the smooth and safe operations of the plant.

Thanking you,

Yours Faithfully

For Grasim Industries Ltd.,  
(Chemical Division, BB Puram)

R. G. Krishnan  
H. President & Unit Head

**Contact Details:**

Mobile Nos: 8884946985 (air) 8008303882  
Email : [rg.krishnan@adityabirla.com](mailto:rg.krishnan@adityabirla.com)  
Alt : [muralikrishna.mwk@adityabirla.com](mailto:muralikrishna.mwk@adityabirla.com)

Grasim Industries Limited (CIL)  
Chemical Division - BB Puram,  
Survey No: 1 to 4, Near Kanadu Mitta Road, Balabhadrapuram  
Balabhadri (V), East Godavari Dist - 533 345, Andhra Pradesh, INDIA

Website : [www.grasimchem.com](http://www.grasimchem.com)  
CIN: L17124MH1947PL0003410

Photographs of Online Chlorine analyzer connected to DCS control room

