



GIL/BBP/ENV/IGF/EC/382

31 May 2023.

The Joint Director,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Vijayawada Green House Complex,
Gopala Reddy 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 21st November, 2019.
3. Extension of validity of EC till 22nd March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18th August 2020.)

Dear Sir,

With reference to the above mentioned subject, we are herewith enclosing our EC conditions compliance report for the period October 2022 - March 2023, for your perusal & records.

Thanking you,

Yours faithfully,

For Grasim Industries Limited
(Chemical Division, BB Puram)

Contact details:

Mobile Nos: 8424010600 (alt) 8008303882
e-mail : rg.krishnan@adityabirla.com
(alt.) muralikrishna.mvk@adityabirla.com


R.G. Krishnan
Jt. President & Unit Head

Encl.: As above

- CC: 1. **The Regional Director**, Regional Office, Central Pollution Control Board (CPCB), Chennai.
2. **Environmental Engineer**, Regional Office, AP Pollution Control Board, Kakinada.



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
CIN L17124MP1947PLC000410

Regd. Office : Birlamgram (P.O), Nagda. M P - 456 321 INDIA



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Grasim Industries Limited, Balabhadrapuram



Six monthly EC Conditions Compliance Report for the period of October 2022 to March 2023.






1. Environmental Clearance vide F. No. J-11011/90/2011- IA II (I), Dated 22nd March, 2013.
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S. No.	Conditions	Status of Compliance						
A. SPECIFIC CONDITIONS:								
i	No mercury cell shall be used. Manufacturing process of chlor alkali shall be based on membrane cell.	Complied , Our Manufacturing process is based on Membrane cell. Photographs of the same is annexed as an annexure-1						
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 ³ . The waste gases shall be discharged into atmosphere through stack of adequate height as per CPCB/APPCB guidelines.	<p>Complied, 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. ESP and Bag filters photographs are as annexed as annexure-2</p> <p>Recent Environmental Monitoring reports are as annexed as and Annexure-3.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th>S. No.</th><th>Boiler emission Limit</th><th>Result April 2023</th></tr> <tr> <td>1</td><td>50 mg/Nm³</td><td>16.5 mg/Nm³</td></tr> </table>	S. No.	Boiler emission Limit	Result April 2023	1	50 mg/Nm ³	16.5 mg/Nm ³
S. No.	Boiler emission Limit	Result April 2023						
1	50 mg/Nm ³	16.5 mg/Nm ³						
iii	As proposed adequate scrubbing system shall be provided to control Cl ₂ emissions less than 15 mg/Nm ³ and control HCl emissions less than 35 mg/Nm ³ 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>Complied, we have installed Tail gas towers for HCL furnace to control HCL emissions, and Water scrubber to control Cl₂ emissions.</p> <p>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.</p> <p>The scrubber inlet and outlet in plant parameters are metered regularly by the production lab to measure the efficiencies.</p> <p>Photographs of Online Chlorine analyser connected to DCS control room are annexed as annexure-11</p>						

S. No.	Conditions	Status of Compliance
iv	<p>The gaseous emissions (SO₂, NO_x, 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.</p> <p>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 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>Complied, Emissions from boiler and process stacks are well within the norms of the prescribed norms.</p> <p>Continuous stack emission monitoring system have been installed at Boiler and Process stacks.</p> <p>Recent Environmental Monitoring reports are as annexed as and Annexure-3.</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 & 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>Complied, Water sprinkling is carried out to control fugitive emissions. All our material movement is through Closed Pipelines and Closed conveyor belts.</p>   <p>Fugitive emission monitoring is carried out inside the plant premises, Monitoring reports is as annexed as an annexure-3.</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</p>	<p>Complied.</p> <p>We have a well laid out preventive maintenance of pumps, valves, pipelines for proper leak detection and repair.</p>

S. No.	Conditions	Status of Compliance
	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.	
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>Complied, we have installed Suction hoods facility at chlorine storage and filling area. We also have 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>Complied, Acoustic enclosures are provided for DG sets, Stacks are of adequate height and the emissions are well within the prescribed CPCB standards. Monitoring report is annexed as annexure-3. 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>Being Complied, We are uploading the status of compliance of EC conditions and are being sent to RO office, MoEF&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 ³ /day and prior permission shall be obtained from the Competent Authority.	Noted and agreed. We have water withdrawal permission from APWALTA, and Our water withdrawal is within the permission.
xi	Efforts shall be made to reduce the fresh water requirement by adopting 3 R's (Reduce, Reuse and Recycle) concept.	Noted. <ol style="list-style-type: none"> 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.
xii	Industrial effluent generation shall not exceed 620 m ³ /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.	Noted. Our industrial effluent generation is not exceeding the limit prescribed. <ul style="list-style-type: none"> • 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.  <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>Complied. 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.</p>  <p style="text-align: center;"><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>Complied. Process effluent is carried to ETP through closed pipelines and is stored in Effluent storage tanks.</p>   <p style="text-align: center;"> Fig. Collection pits at plant. Fig. Effluent Holding Tanks </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 style="text-align: center;"><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 Movement) Rules, 2008 and	<p>Complied, We have obtained Authorization for Handling Hazardous waste. We also have an agreement and membership with TSDF has been obtained.</p>

S. No.	Conditions	Status of Compliance
	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.	
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.	Noted , 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, 11989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Noted and agreed. 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.	Complied. 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.
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.	Complied , 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. Few of them are as annexed in Annexure-4
xx	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied , 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	<p>Green belt shall be developed in 60 acres as per the CPCB guidelines in consultation with DFO.</p> <p>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.</p>	<p>Complied, We have 70 Acres of greenbelt with local species meeting the requirement. Photographs of the same is annexed as an Annexure-5.</p> <p>We planned for mass plantation program on the occasion of World Environmental Day (June 5th 2023) with around 4000 saplings which may covers around 12 Acres.</p>
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.	Implemented. 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.	<p>Noted and agreed.</p> <p>Enterprise Social Commitment now referred as CER is being implemented as per the attached plan as an Annexure- 6</p>
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.	<p>Complied.</p> <p>Policy towards Corporate Environment responsibility is as annexed as an annexure-7</p>
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	<p>Complied.</p> <p>Temporary housing is provided for Construction labour within the site during the project phase.</p>

S. No.	Conditions	Status of Compliance
	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.	
B. GENERAL CONDITIONS:		
i	The project authorities shall strictly adhere to the stipulations made by the AP Pollution Control Board.	Noted and agreed.
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.	Noted and Agreed, the ambient air quality monitoring standards are met with. We are carrying out monitoring by NABL accredited third party laboratory for the same. Monitoring reports are as annexed as annexure-3 .
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.	Noted and agreed. We are applying for the proposed Expansion for which, we have applied for EC for the approval from MoEF&CC.
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.	Noted and complied with. 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, 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).	Noted and agreed, we have taken all necessary noise measures to keep the noise levels within the prescribed limits. Recent Environmental Monitoring reports are as annexed as and Annexure-3 .

S. No.	Conditions	Status of Compliance
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.	<p>Noted and agreed, 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. A photograph of the same is as below.</p>  <p style="text-align: center;"><i>Fig. Reservoir to hold 1 Lakh Cubic Meter of Water.</i></p>
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>Complied, 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. Photographs of the dyke walls and kerb walls are as below.</p> <p style="text-align: center;"><i>HCL Tank farm</i></p>   <p style="text-align: center;"><i>Fig. Tank farm for Storage of Products</i></p>
viii	Usage of Personnel Protection Equipment's by all employees/ workers shall be ensured.	Complied, 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.	<p>Noted and agreed.</p> <p>Prep talks and Class trainings are imparted to all employees on safety and health aspects of chemicals handling.</p>



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.	Complied. 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.	Noted and agreed. We are carrying out CSR Activities for the uplifting of nearby villages. Few photographs of the CSR activities carried out by our Industry are as annexed as an annexure-8
xii	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted and agreed. We are carrying out the community welfare measures at our surrounding villages for the overall improvement of the development annexed as Annexure- 6
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.	Complied. Environmental management cell is already setup at our 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.	Noted and agreed. 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, Zilaparisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	Noted.
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	Noted, agreed and being complied with. Previous EC compliance reports are annexed as Annexure- 12



S. No.	Conditions	Status of Compliance
	Pollution Control Board. A copy 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.	Noted. We have submitted Environment Statement Form- V. a copy of the same is annexed as Annexure-9
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 http://envfor.nic.in . 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.	Noted and complied.
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.	Complied. We have intimated the Regional office, MoEF & CC about the Date of start of the project. Letter of intimation is annexed as Annexure- 10

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

(Environmental Engineers & Consultants in Pollution Control)

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



Ref: SVELC/GIL/23-04/01

Date: 03-05-2023

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-3 (North East)

DATE & TIME OF START : 26-04-2023 @ 12:00hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 28-04-2023

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM ₁₀)	µg/m ³	63.2	100	IS:5182 (P-23)
2.	Particulate Matter – (PM _{2.5})	µg/m ³	25.7	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO ₂)	µg/m ³	13.9	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO ₂)	µg/m ³	15.0	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m ³	0.24	2.0	IS:5182 (P-10)
6.	Ozone – (O ₃)	µg/m ³	9.0	100	IS :5182 (P-9)
7.	Lead – (Pb)	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH ₃)	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene – (C ₆ H ₆)	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m ³	< 5.0	20	IS 5182 (P-26)

CHECKED BY



SV ENVIRO LABS & CONSULTANTS



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(Environmental Engineers & Consultants in Pollution Control)

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



Ref: SVELC/GIL/23-04/02

Date: 03-05-2023

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 : 26-04-2023 @ 10:30hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 28-04-2023

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM ₁₀)	µg/m ³	68.9	100	IS:5182 (P-23)
2.	Particulate Matter – (PM _{2.5})	µg/m ³	28.4	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO ₂)	µg/m ³	15.2	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO ₂)	µg/m ³	13.0	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m ³	0.33	2.0	IS:5182 (P-10)
6.	Ozone – (O ₃)	µg/m ³	11.7	100	IS :5182 (P-9)
7.	Lead – (Pb)	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH ₃)	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene – (C ₆ H ₆)	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m ³	< 5.0	20	IS 5182 (P-26)


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Ref: SVELC/GIL/23-04/03

Date: 03-05-2023

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 : 27-04-2023 @ 11:15hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 28-04-2023

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM ₁₀)	µg/m ³	65.3	100	IS:5182 (P-23)
2.	Particulate Matter – (PM _{2.5})	µg/m ³	27.0	60	IS:5182 (P-24)
3.	Sulphur Dioxide – (SO ₂)	µg/m ³	14.7	80	IS:5182 (P-2)
4.	Nitrogen Oxide – (NO ₂)	µg/m ³	15.9	80	IS:5182(P-6)
5.	Carbon Monoxide – (CO)	mg/m ³	0.22	2.0	IS:5182 (P-10)
6.	Ozone – (O ₃)	µg/m ³	9.8	100	IS :5182 (P-9)
7.	Lead – (Pb)	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH ₃)	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene – (C ₆ H ₆)	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m ³	< 5.0	20	IS 5182 (P-26)


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Ref: SVELC/GIL/23-04/04

Date: 03-05-2023

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Balabhadrapuram, East Godavari,
Andhra Pradesh - 533343

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : Cell House Building Top

DATE & TIME OF START : 26-04-2023 @ 10:00hr

DURATION OF SAMPLING : 24 Hours

DATE OF ANALYSIS : 28-04-2023

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	Parameter	Unit	Concentration	CPCB Standard	Method
1.	Particulate Matter – (PM ₁₀)	µg/m ³	67.6	100	IS:5182 (P-23)
2.	Particulate Matter – (PM _{2.5})	µg/m ³	28.2	60	IS:5182 (P-24)
3.	Sulphur Dioxide – SO ₂	µg/m ³	15.0	80	IS:5182 (P-2)
4.	Nitrogen Oxide – NO ₂	µg/m ³	13.5	80	IS:5182(P-6)
5.	Carbon Monoxide – CO	mg/m ³	0.27	2.0	IS:5182 (P-10)
6.	Ozone – (O ₃)	µg/m ³	10.3	100	IS :5182 (P-9)
7.	Lead – (Pb)	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia – (NH ₃)	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene – (C ₆ H ₆)	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo (a) pyrene – (BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic – (As)	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel – (Ni)	ng/m ³	< 5.0	20	IS 5182 (P-26)


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Ref: SVELC/GIL/23-04/05

Date: 03-05-2023

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Andhra Pradesh - 533343

SAMPLE PARTICULARS : **STACK EMISSIONS**

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

DATE & TIME OF COLLECTION : **27-04-2023 @ 10:15hr**

DATE & TIME OF ANALYSIS : **28-04-2023 @ 11:00hr**

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	32
4.	Stack Temperature	⁰ C	202
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m ²	0.159
7.	Flue Gas Velocity	m/sec	18.0
8.	Flow Rate	m ³ /hr	10303
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 ³	66.2	115	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	27.8	-	IS:11255-P-2
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	61.5	-	IS:11255-P-7

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


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Ref: SVELC/GIL/23-04/06

Date: 03-05-2023

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SAMPLE PARTICULARS : **STACK EMISSIONS**

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

DATE & TIME OF COLLECTION : **27-04-2023 @ 11:00hr**

DATE & TIME OF ANALYSIS : **28-04-2023 @ 11:15hr**

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	32
4.	Stack Temperature	⁰ C	209
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m ²	0.159
7.	Flue Gas Velocity	m/sec	19.0
8.	Flow Rate	m ³ /hr	10875
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 ³	68.3	115	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	29.4	-	IS:11255-P-2
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	64.1	-	IS:11255-P-7

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


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Ref: SVELC/GIL/23-04/07

Date: 03-05-2023

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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 : 27-04-2023 @ 11:45hr

DATE & TIME OF ANALYSIS : 28-04-2023 @ 11:30hr

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	°C	33
4.	Stack Temperature	°C	218
5.	Diameter of Stack	m	0.45
6.	Cross Sectional Area of Stack	m ²	0.159
7.	Flue Gas Velocity	m/sec	20.4
8.	Flow Rate	m ³ /hr	11676
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 ³	72.8	115	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	32.0	-	IS:11255-P-2
3.	Oxides of Nitrogen – NO _x	mg/Nm ³	62.6	-	IS:11255-P-7

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


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Ref: SVELC/GIL/23-04/08

Date: 03-05-2023

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Andhra Pradesh - 533343

SAMPLE PARTICULARS : STACK EMISSIONS

SOURCE OF COLLECTION : STACK ATTACHED TO 15 TPH BOILER

DATE & TIME OF COLLECTION : 27-04-2023 @ 15:15hr

DATE & TIME OF ANALYSIS : 28-04-2023 @ 11:45hr

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	°C	33
4.	Stack Temperature	°C	138
5.	Diameter of Stack	m	1.5
6.	Cross Sectional Area of Stack	m ²	1.766
7.	Flue Gas Velocity	m/sec	3.97
8.	Flow Rate	m ³ /hr	25239
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 ³	16.5	50	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂ (6% dry O ₂)	mg/Nm ³	54.8	600	IS:11255-P-2
3.	Oxides of Nitrogen – Nox (6% dry O ₂)	mg/Nm ³	40.1	300	IS:11255-P-7

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


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Ref: SVELC/GIL/23-04/09

Date: 03-05-2023

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Andhra Pradesh - 533343**

SAMPLE PARTICULARS : **STACK EMISSIONS**

SOURCE OF COLLECTION : **STACK ATTACHED TO HCL FURNACE VENT – A**

DATE & TIME OF COLLECTION : **27-04-2023 @ 12:45hrs**

DATE & TIME OF ANALYSIS : **28-04-2023 @ 12:00hrs**

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m ²	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	34
7.	Stack Temperature	°C	20
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	5.78
10.	Gas Quantity	m ³ /hr	1019
11.	Duration of Sampling	minutes	30

EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	HCl Mist	mg/Nm ³	2.75	35


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Ref: SVELC/GIL/23-04/10

Date: 03-05-2023

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 – B**

DATE & TIME OF COLLECTION : **27-04-2023 @ 13:30hrs**

DATE & TIME OF ANALYSIS : **28-04-2023 @ 12:15hrs**

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m ²	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	°C	35
7.	Stack Temperature	°C	39
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	9.15
10.	Gas Quantity	m ³ /hr	1614
11.	Duration of Sampling	minutes	30

EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	HCl mist	mg/Nm ³	3.67	35


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Ref: SVELC/GIL/23-04/11

Date: 03-05-2023

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SAMPLE PARTICULARS : STACK EMISSIONS

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

DATE & TIME OF COLLECTION : 27-04-2023 @ 14:35hrs

DATE & TIME OF ANALYSIS : 28-04-2023 @ 12:30hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m ²	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	⁰ C	34
7.	Stack Temperature	⁰ C	35
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	7.58
10.	Gas Quantity	m ³ /hr	1337
11.	Duration of Sampling	minutes	30

EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	Chlorine (Cl ₂)	mg/Nm ³	3.01	15


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Ref: SVELC/GIL/23-04/12

Date: 03-05-2023

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SAMPLE PARTICULARS : STACK EMISSIONS

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

DATE & TIME OF COLLECTION : 27-04-2023 @ 16:25hrs

DATE & TIME OF ANALYSIS : 28-04-2023 @ 12:45 hrs

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Diameter of the Stack	m	0.25
2.	C/s Area of Stack	m ²	0.049
3.	Stack Height	m	30
4.	Pitot Coefficient	-	0.87
5.	Specific Gravity of Fluid	-	1.0
6.	Temperature @ DGM	⁰ C	32
7.	Stack Temperature	⁰ C	32
8.	Nozzle Diameter	mm	09
9.	Exit Velocity	m/sec	6.78
10.	Gas Quantity	m ³ /hr	1195
11.	Duration of Sampling	minutes	30

EMISSION RATE

S.No	Parameter	Units	Result	Standard
1.	Chlorine (Cl ₂)	mg/Nm ³	3.12	15


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Ref: SVELC/GIL/23-04/13

Date: 03-05-2023

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Andhra Pradesh – 533343

SAMPLE PARTICULARS : DRINKING WATER

SOURCE OF COLLECTION : Drinking Water @
OHC

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

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	-	7.23	6.5 – 8.5
5.	Total Dissolved Solids	mg/l	70.5	500
6.	Total Alkalinity as CaCO ₃	mg/l	62.1	200
7.	Total Hardness as CaCO ₃	mg/l	29.4	200
8.	Chlorides as Cl ⁻	mg/l	16.9	250
9.	Fluorides as F	mg/l	0.21	1.0
10.	Nitrates as NO ₃	mg/l	<1.0	45
11.	Sulphates as SO ₄ ²⁻	mg/l	8.25	200
12.	Iron as Fe	mg/l	0.08	0.3
13.	Copper as Cu	mg/l	<0.01	0.05
14.	Zinc as Zn	mg/l	0.007	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
MICROBIOLOGY:				
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, 23rd Edition, 2017

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


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(Environmental Engineers & Consultants in Pollution Control)

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& Laboratory www.svenvirolabs.com, Ph:0891-2755528, Cell: +91 9440338628
info@svenvirolabs.com, svenviro_labs@yahoo.co.in

Branch Office : 2-53, Mahipala Street, Yanam - 533464.

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Ref: SVELC/GIL/23-04/14

Date: 03-05-2023

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 @
Annapurna Canteen Area

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

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	-	7.03	6.5 – 8.5
5.	Total Dissolved Solids	mg/l	63.8	500
6.	Total Alkalinity as CaCO ₃	mg/l	46.7	200
7.	Total Hardness as CaCO ₃	mg/l	25.9	200
8.	Chlorides as Cl ⁻	mg/l	14.6	250
9.	Fluorides as F	mg/l	0.18	1.0
10.	Nitrates as NO ₃	mg/l	<1.0	45
11.	Sulphates as SO ₄ ²⁻	mg/l	5.91	200
12.	Iron as Fe	mg/l	0.04	0.3
13.	Copper as Cu	mg/l	<0.01	0.05
14.	Zinc as Zn	mg/l	0.005	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
18.	Total Chromium as Cr	mg/l	<0.01	0.05



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MICROBIOLOGY:

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, 23rd 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/23-04/15

Date: 03-05-2023

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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 : GROUND WATER

SOURCE OF COLLECTION : BORE WELL – 05

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

TEST REPORT

S.No	Parameter	Unit	Result
1.	pH	-	6.87
2.	Electrical Conductivity	mg/l	850
3.	Total Dissolved Solids	mg/l	516
4.	Total Hardness as CaCO ₃	mg/l	288
5.	Calcium as Ca	mg/l	77.6
6.	Magnesium as Mg	mg/l	22.9
7.	Carbonates as CO ₃	mg/l	Nil
8.	Bi-Carbonates as HCO ₃	mg/l	240
9.	Sodium as Na	mg/l	57.8
10.	Potassium as K	mg/l	6.16
11.	Chlorides as Cl ⁻	mg/l	123
12.	Fluorides as F	mg/l	0.52
13.	Nitrates as NO ₃	mg/l	7.16
14.	Sulphates as SO ₄ ²⁻	mg/l	31.8

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


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Ref: SVELC/GIL/23-04/16

Date: 03-05-2023

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 – 06

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

TEST REPORT

S.No	Parameter	Unit	Result
1.	pH	-	7.49
2.	Electrical Conductivity	mg/l	1254
3.	Total Dissolved Solids	mg/l	708
4.	Total Hardness as CaCO ₃	mg/l	308
5.	Calcium as Ca	mg/l	82.5
6.	Magnesium as Mg	mg/l	24.9
7.	Carbonates as CO ₃	mg/l	Nil
8.	Bi-Carbonates as HCO ₃	mg/l	420
9.	Sodium as Na	mg/l	68.6
10.	Potassium as K	mg/l	9.48
11.	Chlorides as Cl ⁻	mg/l	146
12.	Fluorides as F	mg/l	0.55
13.	Nitrates as NO ₃	mg/l	11.2
14.	Sulphates as SO ₄ ²⁻	mg/l	47.9

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


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Ref: SVELC/GIL/23-04/17

Date: 03-05-2023

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 : 27-04-2023

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		Day	Night	
1.	Near AAQMS -3 (North East)	67.8	60.1	IS:4954 – 1968 Noise Level
2.	Near AAQMS -2 (North West)	65.6	58.9	
3.	Near Command Control Center Building	63.4	55.8	
4.	Near Cell House Building	66.9	61.3	
CPCB STANDARDS		75.0	70.0	

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/23-04/18

Date: 03-05-2023

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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 : **NOISE LEVELS**

DATE OF SAMPLE MEASURED : 27-04-2023

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		Inside Enclosure	Outside Enclosure	
1.	2000 KVA DG Set -1	98.5	70.4	IS:4954 – 1968 Noise Level
2.	2000 KAV DG Set -2	101	71.9	
3.	2000 KVA DG Set -3	103	73.5	
CPCB STANDARDS			75.0	



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Ref: SVELC/GIL/23-04/19

Date: 03-05-2023

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 : **EFFLUENT WATER**

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

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

TEST REPORT

S.No.	PARAMETER	UNIT	RESULT		METHOD FOLLOWED	PCB STANDARD
			ETP Inlet	ETP Outlet		
1.	pH	--	8.29	8.04	APHA 4500-H+B, 23 rd Ed,2017	5.5 – 9.0
2.	Total Dissolved Solids – TDS	mg/l	5134	1730	APHA 2540-C, 23 rd Edition, 2017	-
3.	Total Suspended Solids – TSS	mg/l	102	41.0	APHA 2540-D, 23 rd Edition, 2017	200
4.	Chemical Oxygen Demand – COD	mg/l	40.1	15.9	APHA 5220 B, 23 rd Edition, 2017	250
5.	Bio-Chemical Oxygen Demand – BOD (3 days incubation at 27°C)	mg/l	9.0	5.0	IS 3025 P 44	100
6.	Oil & Grease	mg/l	1.2	<1.0	APHA 5520 D, 23 rd Edition, 2017	10
7.	Chlorides as Cl ⁻	mg/l	2150	46.2	APHA 4500 Cl, B 23 rd Edition	-


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Ref: SVELC/GIL/23-04/20

Date: 03-05-2023

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 : **SEWAGE WATER**

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

DATE OF COLLECTION : 27-04-2023

DATE OF ANALYSIS : 28-04-2023

TEST REPORT

S.No.	PARAMETER	UNIT	RESULT		METHOD FOLLOWED	PCB STANDARD
			STP Inlet	STP Outlet		
1.	pH	--	7.18	6.85	APHA 4500-H+B, 23 rd Ed, 2017	5.5 – 9.0
2.	Total Dissolved Solids – TDS	mg/l	1230	726	APHA 2540-C, 23 rd Edition, 2017	-
3.	Total Suspended Solids – TSS	mg/l	108	60.0	APHA 2540-D, 23 rd Edition, 2017	100
4.	Chemical Oxygen Demand – COD	mg/l	230	12.1	APHA 5220 B, 23 rd Edition, 2017	250
5.	Bio-Chemical Oxygen Demand – BOD (3 days incubation at 27°C)	mg/l	84.0	3.0	IS 3025 P 44	30
6.	Oil & Grease	mg/l	1.4	<1.0	APHA 5520 D, 23 rd Edition, 2017	10


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Safety Critical Equipment's at Our Plant



Fig.1 Breathing line



Fig. 2 Chlorine Sensors



Fig. 3 SCBA

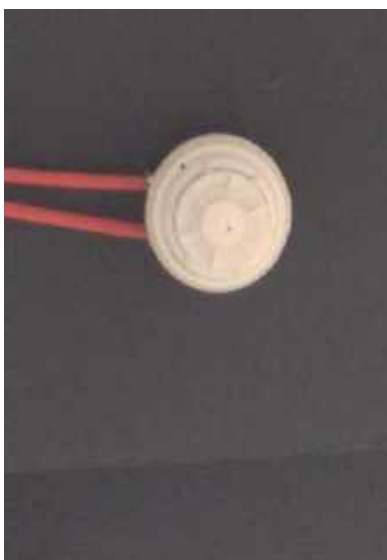


Fig.4 Smoke detectors



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	
Total		30.0	Being 5% of the value of Rs 600 Cr in the Greenfield Project		



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.

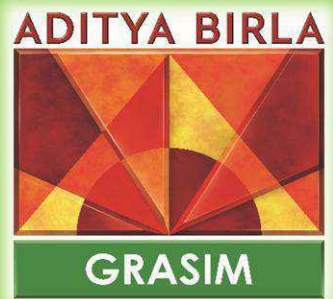
Date: 18th August 2016

ABG/SUST/POL/01

Version: V-3

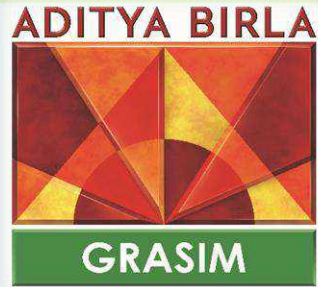
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An Aditya Birla's Grasim, BB Puram Initiation





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.

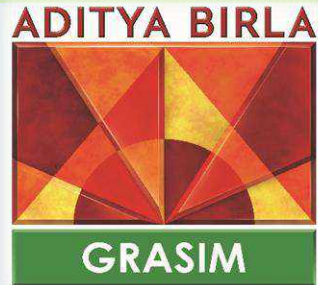
In doing so, build a better, sustainable way of life for the weaker sections of society and raise the country's human development index.

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

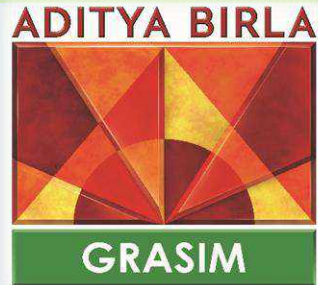
An Aditya Birla's Grasim Initiation under CSR Journey



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

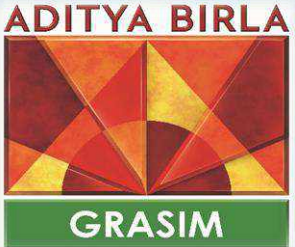
An Aditya Birla's Grasim Initiation under CSR Journey_(continued....)



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	<ol style="list-style-type: none"> 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

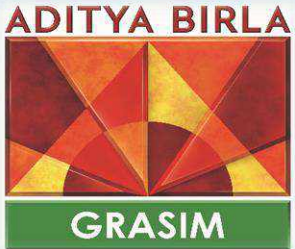
1080 Female Literacy

Date

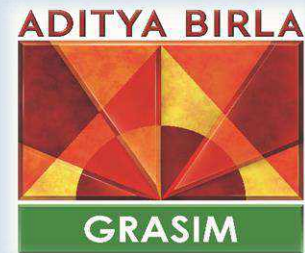
14th June 2021 (On Going batch 7)



1st Batch Graduation Ceremony @ Kausalya Mahila Vikasa Kendram



2nd Batch Graduation Ceremony @ Kausalya Mahila Vikasa Kendram



3rd 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

09th November 2022

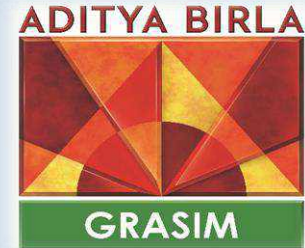


Youth Empowerment - Driving Course @ Govt ITI College Kakinada

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 th February 2023-



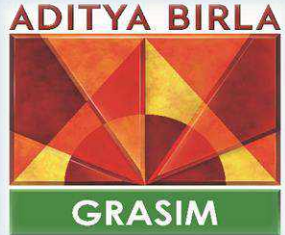
Building Recreation and Sports Infrastructure



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 nd 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

26th April 2021

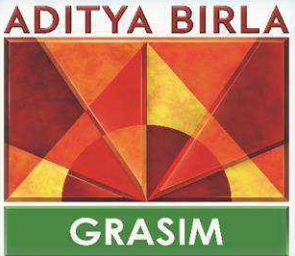


RO Plant @ Veerampalem Village

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 th April 2021



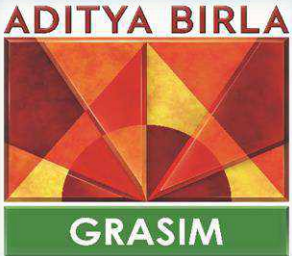
Construction of Water Tank @ Dontamuru



Description:	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 th of Nov 22 and handed over to Village Panchayat.
Cost	Approximately Rs. 75 lacs
Beneficiaries:	1500 families
Date:	29 th Oct 2021- 18 th Nov 2022(Closed)



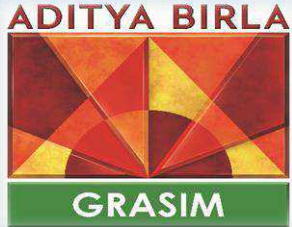
Construction of Water Tank is in Progress @ Balavaram



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



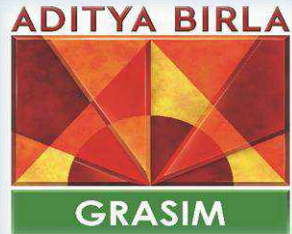
Construction of Water Tank is in Progress @ Balabhadrapuram



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



COVID Preventive Measures



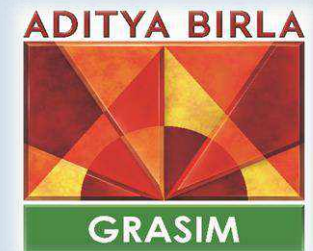
HIGH STRENGTH BLEACHING POWDER DISTRIBUTION (RENSA)

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

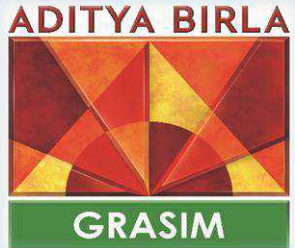
Highlighted in Local News paper, Handed Over to Mrs. Bhavani (E.O.PRD) for entire E.G Dist requirements.



Villages Sanitization:



CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



DATE : 06.06.2020

OUR NEARBY MANDAL VILLAGE “G.MAMIDADA” IS SEVERELY AFFECTED CORONA VIRUS.AS OUR SOCIAL RESPONSIBILITY WE PROVIDED TRACTOR SPRAYERS AND SPRAYING PERSONS FOR 4 DAYS TO G.MAMIDADA 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

Date: 03-06-2020

G.Mamidada

CERTIFICATE

This is Certified that due to pandemic covid-19 spreading in G.Mamidad village purpose M/S Grasum Industries Ltd, Balabadrhapuram arranged tractor sprayers and spraying persons in the following days

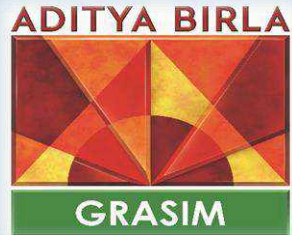
S.NO	DAY	DATE	NO OF TRACTOR	NO OF PERSONS
1	SATURDAY	30/05/2020	2	4
2	SUNDAY	31/05/2020	1	1
3	MONDAY	01/06/2020	1	2
4	WEDNESDAY	03/06/2020	1	2



Regards,

T. Alavandhan
పంచాయితీ కార్యదర్శి 03/6/2020
గ్రామ పంచాయితీ
జి. మామిదాద

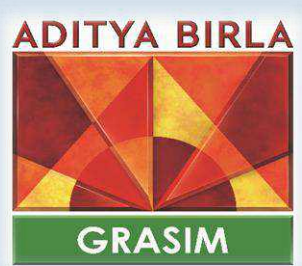
Basic Amenities Support - Govt. Departments



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 st June 2020



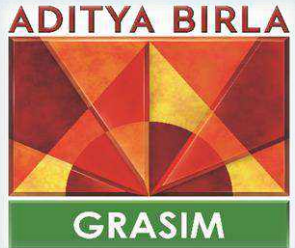
Road Construction & Repairs @ BB Puram & Kanedu Metta



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 th Oct 2021 (BB Puram Bridge) 03 rd Nov 2021 (Kanedu Metta Road)



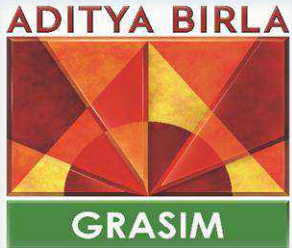
Greenery Development - PHC Biccavolu



Description:	Greenery development at Primary Health Center Biccavolu
Cost:	Rs. 1.25 Lacs
Beneficiaries:	All Public
Date:	24 th Sept, 2021



Greenery Development - Rajahmundry Airport



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

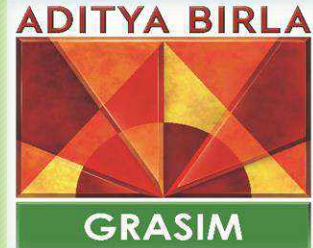
Cost: Rs. 35 Lacs + Monthly Maintenance of Rs. 55 Thousand

Beneficiaries: All Public

Date: 15th June 2020 (On Going)



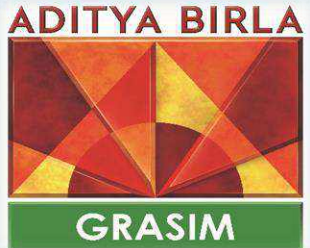
Infra Developments @ Govt Offices



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 th Jan 2022 (DCL , KKD) 4 th Feb 2022 (Sachivalayam, BBPuram) 08 Feb 2022 (MRO Office, Bikkavolu)



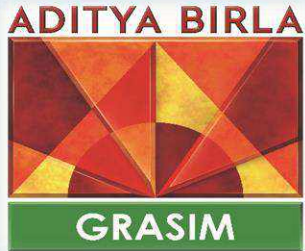
Infra Developments @ Govt Offices



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

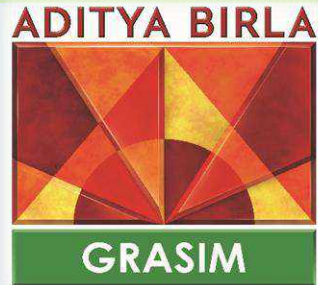


Infra Developments @ Govt Office Ground Water Department, Rajahmundry



Description:	1. Infra Development at Ground water Department, Rajahmundry
Cost:	Rs. 0. 55 Lacs
Beneficiaries:	Office Staff
Date:	26 th April 2023

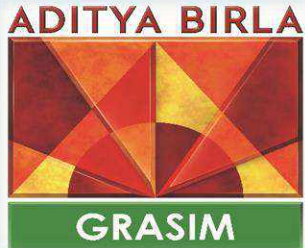
Self Sustenance



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 th June 2021



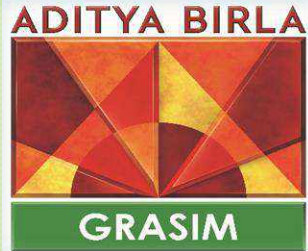
Infra Developments @ Employment Exchange Department, Kakinada



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



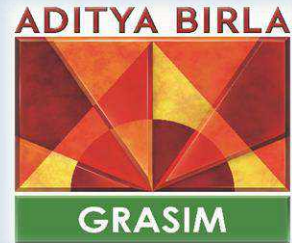
Solar Signal Lights installed @ Balabhadrapuram



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



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



Description:	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. Community Hall work is completed at Nalamilli village and its ready for inauguration. Construction work is in progress at Dontamuru Village.
Cost:	20 Lacs
Beneficiaries:	All Villagers
Date:	Bhoomi Pooja: On 21 st Feb 2022 (Nallamilli), On 04 th Mar 2022 (Balavaram & Donthamuru), On 21 st Mar 2022 (Balabhadrapuram)



Bhoomi Pooja @ Balavaram

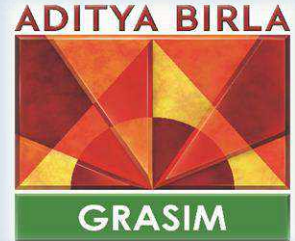


Work Progress @ Donthamuru



Nallamilli Community Centre

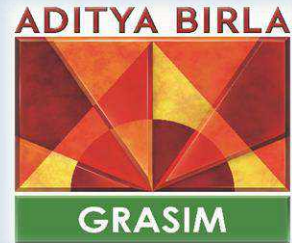
Community Hall @ Nallamilli



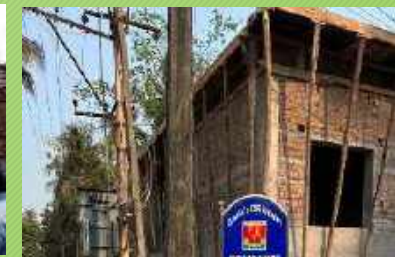
Description:	As requested by the Villagers for them to have a single gathering point and for any functions to be used which was inaugurated on 18 th Nov 2022 by Local Anaparthi MLA and handed over to the village Panchayat.
Cost:	25 Lacs
Beneficiaries:	All Villagers
Date:	21 st Feb 2022 - 18 th November 2022(Closed)



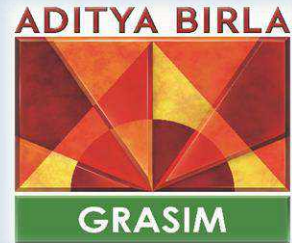
Cultural Centres Constructions @ 30 different locations with in District



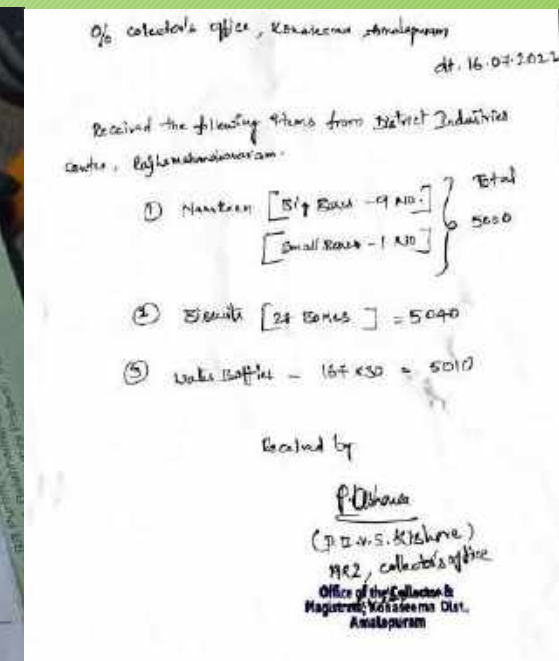
Description:	As requested by the all villagers around almost 30 cultural centres are under construction under the developmental works, Bhoomi Pooja performed in all the locations, work is under progress
Cost:	360.1 Lacs (approx.)
Beneficiaries:	All Villages
Date:	Started works in the month of January 2023, under progress all locations



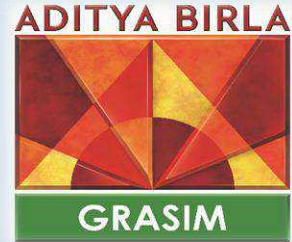
Contribution towards the Floods effected people at Amalapuram



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 th Jul 2022



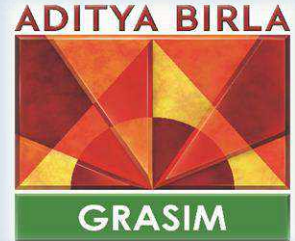
Contribution towards Pradhan Mantri TB Mukta Bharat Abhiyaan (PMTBMBA) - Nikshay Mitra



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 th November 2022 - 27 th April 2023



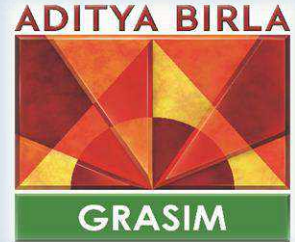
SBP distribution to the Anaparthi Constituency



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



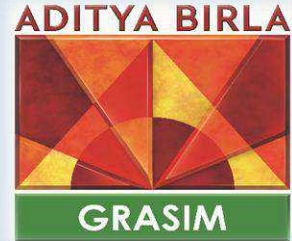
Lighting at Rajahmundry Airport during AKAM



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



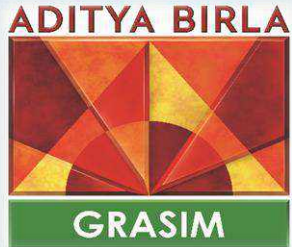
Further Greenery Development & maintenance at Rajahmundry Airport



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 st Oct, 2022



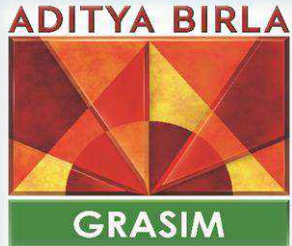
Extended Support during Pandemic @ Primary Health Centre, Biccavolu



Description:	Medical Surgical Gloves, Hand Sanitizers, Nose Masks
Cost:	Rs. 0.15 lac
Beneficiaries:	Medical Staff
Date:	April & May 2021



AP CM CUP - District Level Sports Ceremony @ G Mamidada



Description:

Contribution towards sports Ceremony of the Basket Ball & Volley Ball Tournament conducted at G.Mamidada Village - district Level across East Godavari.

Cost:

Rs. 3 lac

Beneficiaries:

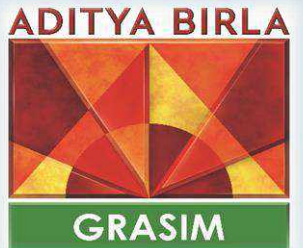
College Students 960

Date:

12th & 13th March 2022



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.



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Thank

అనవర్తి

సంఘాల ఆధ్వర్యంలో పాస్టర్లు నతానియేలు, పత్తి రాజుల చేతుల మీదుగా 40 పేద కుటుంబాల్లోని వృద్ధులకు బియ్యం, నిత్యావసరాలు, కూరగాయలు, గుడ్లు పంపిణీ చేశారు. పొలమూరు సచివాలయం-1 వద్ద ఆ సచివాలయం పరిధిలోని ఆరోగ్య సిబ్బంది, ఆశా కార్యకర్తలు, పంచాయతీ పారిశుధ్య సిబ్బందికి బియ్యం, నిత్యావసర వస్తువులను వైఎస్సార్ సీపీ గ్రామ నాయకులు సత్తి సూరారెడ్డి, ఈటె పీఆర్డి నందన పంపిణీ చేశారు.

పెదపూడి: వైఎస్సార్ సీపీ కాండ్రేగుల గ్రామ నాయకులు సమకూర్చిన నిత్యావసర సరుకులను ఆ గ్రామంలోని 960 మంది పేదలకు ఆ పార్టీ నాయకులు మోకా నూరిబాబు, పేపకాయల చెంకటర మణ బుధవారం పంపిణీ చేశారు.

బిక్కవోలు: పందలపాక గ్రామంలో సచివాలయ సిబ్బంది వలంబీర్లకు బుధవారం శానిటైజర్లు పంపిణీ చేశారు.

విలేకర్లకు నిత్యావసరాలు పంపిణీ చేస్తున్న ఎమ్మెల్యే డాక్టర్ సూర్యనారాయణరెడ్డి

అనవర్తి: ఎమ్మెల్యే డాక్టర్ సత్తి సూర్యనారాయణ రెడ్డి ఆధ్వర్యంలో గ్రామం ఇండస్ట్రీస్, ఐఎల్బీడి, నెక్, అనవర్తి వర్తక సంఘం, పొలమూరుకు చెందిన ఎం జీఆర్ రైస్మిల్ మేనేజింగ్ పార్టనర్ కర్రి చక్రవర్తి సౌజన్యంతో సమకూర్చిన నిత్యావసర వస్తువులు 125 కిట్లను నియోజకవర్గంలోని విలేకర్లకు పంపిణీ చేశారు. పొలమూరు, కొప్పవరం గ్రామాల శ్రీస్తు



CORPORATE SOCIAL RESPONSIBILITY - REPORTING:

రంగంపేట: వీరంపాలెంలో గ్రాసిమ్ ఇంజనీరింగ్ సేవ్స ఆఫ్ నిదులు రూ.40 లక్షలతో నిర్మించిన మంచినీటి పథకాన్ని శనివారం ఎమ్మెల్యే సత్తి సూర్యనారాయణరెడ్డి ఆ పరిశ్రమ ప్రతినిధులతో కలిసి ప్రారంభించారు. స్థానిక మహిళలకు మంచినీటి బిస్తులు అందించారు. ఆనంతరం నల్లమిల్లిలోని బిచ్చివోలు వారిటుబుల్ బ్రుస్టు ఆధ్వర్యంలో 300 మంది పేదలకు సాయం అందించే కార్యక్రమంలో ఎమ్మెల్యే పాల్గొని వారికి బియ్యం, చీరలు అందించారు. ఆ బ్రుస్టు ఉపాధ్యక్షుడు ముప్పిడి జానకిదేవి, సభ్యులను ఎమ్మెల్యే ప్రశంసించారు. వైకాపా కన్వీనర్ నల్ల శ్రీనివాసరావు, జిల్లా వైకాపా నాయకులు పేపూరుల రాజారావు, ఆడ బాల వెంకటేశ్వరరావు, మాజీ ఎంపీపీ పోతులు బులివీర్రాజు, మల్లా వీరభద్రరావు పాల్గొన్నారు.

సేవలు ప్రశంసనీయం

అసెంబ్లీ ఎమ్మెల్యే సూర్యనారాయణరెడ్డి మోక్షాన్ని అందించారు. పాతగా కొనసాగుతున్న క్రికెట్ బోర్డు మెంట్ శనివారం ముగిసింది. ఈ సందర్భంగా ఏర్పాటు చేసిన బహుమతి ప్రధానోత్సవ కార్యక్రమానికి ముఖ్యఅతిథిగా ఎమ్మెల్యే హాజరై మాట్లాడారు. పోటీల నిర్వాహకులను అభినందించారు. క్రీడలలో శరీరక, మానసిక ఆరోగ్యం చేతురుతుందన్నారు. పైనల్లో అసెంబ్లీ లెజిస్లేషన్ జట్టు ప్రశాంత్ రైడింగ్ స్టార్ అమలాపురం జట్టుపై 16 పరుగుల తేడాతో గెలుపొందింది. విజేతలకు ఎమ్మెల్యే క్రోఫీ అందజేసి అభినందించారు. కార్యక్రమంలో వైకాపా నాయకులు మురళీ, విజయకుమార్, రాజమహేంద్రవరం కార్పొరేటర్ అజ్జరపు వాసులు, మహేంద్ర, పిడి నాగకుమార్, డేవిడ్, శ్రీనివాసరెడ్డి, బాస్కురెడ్డి, హర్ష తదితరులు పాల్గొన్నారు.

శ్రీదాస్పూర్లో సాగారి

అసెంబ్లీ మాన్యువల్: శ్రీదాస్పూర్లో సాగి క్రికెట్ పోటీల్లో ఆదరణ పడతరని తదితరులు పాల్గొన్నారు.

రంగంపేట: వీరంపాలెంలో గ్రాసిమ్ ఇంజనీరింగ్ సేవ్స ఆఫ్ నిదులు రూ.40 లక్షలతో నిర్మించిన మంచినీటి పథకాన్ని శనివారం ఎమ్మెల్యే సత్తి సూర్యనారాయణరెడ్డి ఆ పరిశ్రమ ప్రతినిధులతో కలిసి ప్రారంభించారు. స్థానిక మహిళలకు మంచినీటి బిస్తులు అందించారు. ఆనంతరం నల్లమిల్లిలోని బిచ్చివోలు వారిటుబుల్ బ్రుస్టు ఆధ్వర్యంలో 300 మంది పేదలకు సాయం అందించే కార్యక్రమంలో ఎమ్మెల్యే పాల్గొని వారికి బియ్యం, చీరలు అందించారు. ఆ బ్రుస్టు ఉపాధ్యక్షుడు ముప్పిడి జానకిదేవి, సభ్యులను ఎమ్మెల్యే ప్రశంసించారు. వైకాపా కన్వీనర్ నల్ల శ్రీనివాసరావు, జిల్లా వైకాపా నాయకులు పేపూరుల రాజారావు, ఆడ బాల వెంకటేశ్వరరావు, మాజీ ఎంపీపీ పోతులు బులివీర్రాజు, మల్లా వీరభద్రరావు పాల్గొన్నారు.

సేవలు ప్రశంసనీయం

అసెంబ్లీ ఎమ్మెల్యే సూర్యనారాయణరెడ్డి పేర్కొన్నారు. అసెంబ్లీ బాలర ఉన్నత పాఠశాల క్రీడా మైదానంలో 20 రోజులుగా కొనసాగుతున్న క్రికెట్ బోర్డు మెంట్ శనివారం ముగిసింది. ఈ సందర్భంగా ఏర్పాటు చేసిన బహుమతి ప్రధానోత్సవ కార్యక్రమానికి ముఖ్యఅతిథిగా ఎమ్మెల్యే హాజరై మాట్లాడారు. పోటీల నిర్వాహకులను అభినందించారు. క్రీడలలో శరీరక, మానసిక ఆరోగ్యం చేతురుతుందన్నారు. పైనల్లో అసెంబ్లీ లెజిస్లేషన్ జట్టు ప్రశాంత్ రైడింగ్ స్టార్ అమలాపురం జట్టుపై 16 పరుగుల తేడాతో గెలుపొందింది. విజేతలకు ఎమ్మెల్యే క్రోఫీ అందజేసి అభినందించారు. కార్యక్రమంలో వైకాపా నాయకులు మురళీ, విజయకుమార్, రాజమహేంద్రవరం కార్పొరేటర్ అజ్జరపు వాసులు, మహేంద్ర, పిడి నాగకుమార్, డేవిడ్, శ్రీనివాసరెడ్డి, బాస్కురెడ్డి, హర్ష తదితరులు పాల్గొన్నారు.

శ్రీదాస్పూర్లో సాగారి

అసెంబ్లీ మాన్యువల్: శ్రీదాస్పూర్లో సాగి క్రికెట్ పోటీల్లో ఆదరణ పడతరని తదితరులు పాల్గొన్నారు.

CORPORATE SOCIAL RESPONSIBILITY - REPORTING:

గ్రాస్యం సేవలు అభినందనీయం ఎమ్మెల్యే సూర్యనారాయణరెడ్డి



రంగంపేట, ఏప్రిల్ 29 ప్రభాతవార్త

మెట్ట ప్రాంతమైన రంగంపేట మండలంలో గ్రామ ప్రభుత్వం చేపడుతున్న అభివృద్ధి కార్యక్రమాలలో తాముకూడా పాలుపంచుకుంటామని గ్రాస్యం యాజమాన్యం చేయూత నివ్వడం అనందదాయకమని ఆనవర్తి నియోజక వర్గ ఎమ్మెల్యే డాక్టర్ నత్తి సూర్యనారాయణరెడ్డి పేర్కొన్నారు. గురువారం రంగంపేట మండలం జి.దొంతమూరులో గ్రాస్యం ఇండస్ట్రీస్ వారి ఆధ్వర్యంలో ఏర్పాటు చేసిన మహిళల ఉద్యోగ కుటుంబ సంక్షేమ కేంద్రాన్ని ఆయన ప్రారంభించి మాట్లాడారు. మండలంలో నిరుద్యోగ సమస్య పరిష్కారం కొరకు తమ సంస్థలలో స్థానికులకు అవకాశం కల్పించి అర్హులైన వారికి ఉద్యోగాలు ఇవ్వాలని ఆయన కోరారు. ఈ కార్యక్రమంలో మండల ఇన్చార్జ్ నల్లమిల్లి మురళీకృష్ణారెడ్డి, డిప్యూటీ సర్పంచ్ కన్నెనర్ నల్ల శ్రీనివాసరావు, జడ్పీటీసీ అభ్యర్థి పేవకాయల రాంబాబు, పాపలూరి ఏడు కొండలు, వీరబాబు, పార్టీ నాయకులు, కార్యకర్తలు, గ్రాస్యం సంస్థ ప్రతినిధులు ఆర్.జి.కృష్ణన్, ఎం.వి.వి.కె. మురళీకృష్ణ, తదితరులు పాల్గొన్నారు.

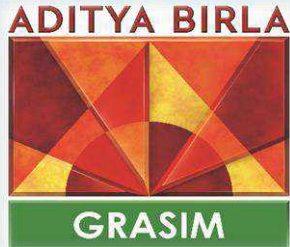
దొంతమూరు గ్రామానికి తీరనున్న దాహార్తి...

రంగంపేట, ఏప్రిల్ 29 : దొంతమూరు గ్రామ ప్రజల దాహార్తిని తీర్చాలన్న నేతకల్పంతో ఆనవర్తి నియోజకవర్గ ఎమ్మెల్యే డాక్టర్ నత్తి సూర్యనారాయణరెడ్డి గ్రాసిం ఇండస్ట్రీస్ యాజమాన్యంతో సంప్రదించి, వారి సహకారంతో 45 లక్షల వ్యయంతో భారీ రక్షిత మంచినీటి వడక నిర్మాణానికి భూమి పూజ నిర్వహించారు. దీంతో దొంతమూరు గ్రామానికి త్రాగునీటి సమస్య తీరినట్లే. గ్రాసిం ఇండస్ట్రీస్ యాజమాన్యం ముందుకు వచ్చి గ్రామ అవసరాలకనుగుణంగా రూ.45లక్షల అంచనా వ్యయంతో నిర్మించనున్న ఓవర్ హెడ్ ట్యాంక్ నిర్మాణ పనులకు శ్రీకారం చుట్టామని ఎమ్మెల్యే సూర్యనారాయణ రెడ్డి తెలిపారు. దొంతమూరు గ్రామస్తులు త్రాగు నీటి



కోసం అనేక ఇబ్బందులు ఎదుర్కొంటున్నారన్నారు. ఈ సమస్యను సామాజిక బాధ్యతగా చేపట్టాలని ప్రస్తావించిన తక్షణమే గ్రాసిం ఇండస్ట్రీస్ యాజమాన్యం సానుకూలంగా స్పందించి నిర్మాణ చేయడం కోసం ముందుకు రావడం అభినందనీయమన్నారు. వేగవంతంగా పనులు పూర్తి చేసుకుని అత్యంత తొందరలో ఈ వడకం ద్వారా గ్రామస్తుల తాగునీటి సమస్య పరిష్కరించబడటం చాలా ఆనందంగా ఉందన్నారు. ఈ కార్యక్రమంలో నల్లమిల్లి మురళీమోహన బాలకృష్ణారెడ్డి, గోలి రమణ, జెడ్ పి టి సి అభ్యర్థి పేవకాయల రాంబాబు, కొల్లాటి ఇజ్రాయేల్, దువ్వలపూడి చిట్టిబాబు, పానింగిపల్లి వెంకటేశ్వర్లు, మచ్చు బుజ్జి తదితరులు పాల్గొన్నారు.

CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



గ్రాసిం పరిశ్రమ సేవలు అభినందనీయం

- ఎమ్మెల్యే డాక్టర్ సత్తి సూర్యనారాయణరెడ్డి
- సచివాలయాలకు జ్వీచింగ్ బస్తాల పంపిణీ

అనపర్తి: సామాజిక బాధ్యతగా వివిధ పారిశ్రామిక సంస్థలు, కార్పొరేట్ కంపెనీలు ముందుంటూ సామాజిక అభివృద్ధికి అండగా నిలుస్తున్నాయని ఎమ్మెల్యే డాక్టర్ సత్తి సూర్యనారాయణరెడ్డి అన్నారు. జగనన్న స్వచ్ఛ సంకల్పం కార్యక్రమంలో భాగంగా బిక్కువోలు మండలం బలభద్రపురం లోని గ్రాసిం ఇండస్ట్రీస్ కంపెనీ క్లీన్ అనపర్తి నియో జకవర్గం లక్ష్యంగా ప్రతి సచివాలయానికి పది బస్తాల బ్లీచింగ్ పంపిణీ కార్యక్రమాన్ని గురువారం ఎమ్మెల్యే తేతుల మీదగా నిర్వహించారు. స్థానిక గ్రామ పంచాయతీ కార్యాలయం వద్ద జరిగిన ఈ కార్యక్రమంలో ఎమ్మెల్యే మాట్లాడుతూ గ్రాసిం ఇండస్ట్రీ సేవలు అభినందనీయమన్నారు. సామాజిక అభివృద్ధికి గ్రాసిం వంటి సంస్థల సహకారం ఎంతోగానో ఉపయోగపడుతుందని అన్నారు. గ్రాసిం ఇండస్ట్రీస్ సామాజిక బాధ్యతగా కంపెనీ సీఎస్ఆర్ ఫండ్స్ను నియోజకవర్గంలోని వివిధ గ్రామాల్లో మౌలిక వసతుల కల్పన, ఆనపర్తి సీహెచ్సీలో చువతులు మెరుగుపరిచేందుకు నిధులు సమకూర్చడంపై కంపెనీ యాజమా



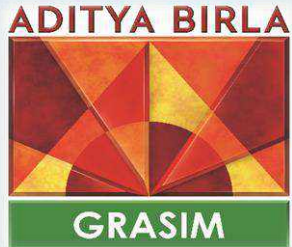
జ్వీచింగ్ బస్తాలను గ్రామ సచివాలయాలకు పంపిణీ చేస్తున్న ఎమ్మెల్యే డాక్టర్ సూర్యనారాయణరెడ్డి

న్యాన్ని ఎమ్మెల్యే అభినందించారు. అదేవిధంగా రాజోయే వర్షాకాలం సీజన్ను దృష్టిలో ఉంచుకుని పారిశుధ్య నిర్వహణకు గాను సచివాలయాలకు సుమారు రూ. 5 లక్షలు వ్యయంతో 21 బస్తాల బ్లీచింగ్ పౌడర్ పంపిణీకి గ్రాసిం ఇండస్ట్రీ చర్యలు చేపట్టందని ఎమ్మెల్యే తెలిపారు. అనంతరం బ్లీచింగ్ పంపిణీని ఎమ్మెల్యే ప్రారంభించారు. ఈ కార్యక్రమంలో గ్రాసిం ఇండస్ట్రీ యూనిట్ హెడ్ ఆర్జును కృష్ణన్, జీఎం హెచ్ఆర్ ఎం.మురళీకృష్ణ, జీఎం

ఫైనాన్స్ శివకుమార్శర్మ, ఎంపీపీ ఆంసూరి సూర్య నారాయణ, వైస్ ఎంపీపీ కర్తి దాసు, సర్పంచి వారా కుమారి, రాష్ట్ర రెడ్డి, భద్రాజుల కార్పొరేషన్ డైరెక్టర్లు సత్తి రామకృష్ణారెడ్డి, షణ్ముఖ్ చిట్టిరాజు, వైఎస్సార్ సీపీ గ్రామ కమిటీ కన్వీనర్ నల్లమిల్లి మురళీ మోహన బాలకృష్ణారెడ్డి, ఈడీపీఆర్ కె.పద్మజ, పంచాయతీ కార్యదర్శి మల్లిడి విజయరెడ్డి, ఎంపీటీసీ సభ్యులు, పంచాయతీ వార్డు సభ్యులు తదితరులు పాల్గొన్నారు.

Distributed 21 tones of Stable Bleaching powder to the Anaparthi Constituency (4 Mandals Rangampeta, Bikkavolu, Anaparthi, Pedapudi) under sanitization purpose.

CORPORATE SOCIAL RESPONSIBILITY - REPORTING :



Download

క్షయ రహిత జిల్లాగా తీర్చిదిద్దాలి : మంత్రి వనిత

ప్రజాశాంతి - ఆంధ్రప్రదేశ్

నార్కట్ పేటలోని క్షయ నిర్ధారణ కేంద్రానికి గ్రామీణులకు అందుబాటులో ఉండేలా చేయాలని మంత్రి వనిత కోరారు. క్షయ నిర్ధారణ కేంద్రానికి అందుబాటులో ఉండేలా చేయాలని మంత్రి వనిత కోరారు. క్షయ నిర్ధారణ కేంద్రానికి అందుబాటులో ఉండేలా చేయాలని మంత్రి వనిత కోరారు.

మంత్రి వనిత క్షయ నిర్ధారణ కేంద్రానికి అందుబాటులో ఉండేలా చేయాలని కోరారు. క్షయ నిర్ధారణ కేంద్రానికి అందుబాటులో ఉండేలా చేయాలని మంత్రి వనిత కోరారు.

జిల్లాను క్షయ నిర్మూలన జిల్లాగా తీర్చిదిద్దడాం

- బీజ పార్టీలకు పోస్ట్ కార్డులను అందించే బీజీ కుంజ విమలక్ష్మి చేర్చడానికి మంత్రి వనిత కోరారు

ని-క్షయ మిత్ర కేంద్ర 106 మందికి దత్తత తీసుకోవడం మంచి పరిణామం - మంత్రి వనిత వనిత

క్షయ నిర్మూలన జిల్లాగా తీర్చిదిద్దడాం అని మంత్రి వనిత కోరారు. క్షయ నిర్మూలన జిల్లాగా తీర్చిదిద్దడాం అని మంత్రి వనిత కోరారు.

క్షయ బాధితుల దత్తతకు ముందుకు రావాలి

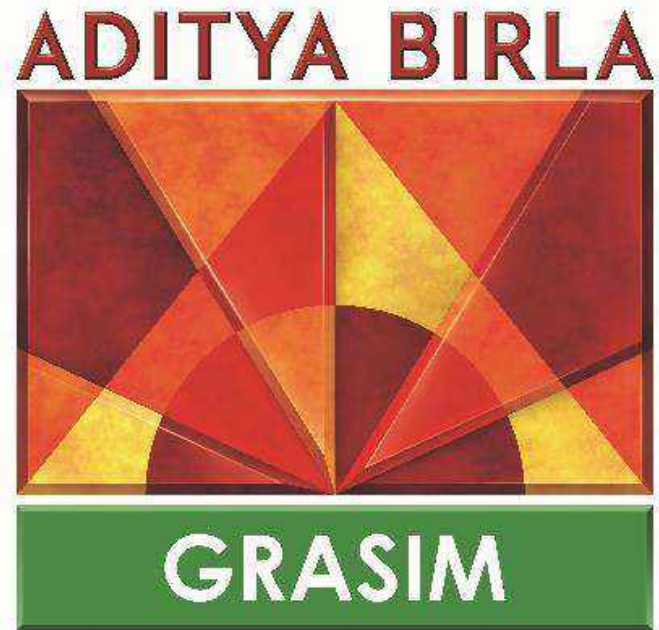
ని-క్షయ మిత్ర కేంద్ర 106 మందికి దత్తత తీసుకోవడం మంచి పరిణామం - మంత్రి వనిత వనిత

క్షయ నిర్మూలన జిల్లాగా తీర్చిదిద్దడాం అని మంత్రి వనిత కోరారు. క్షయ నిర్మూలన జిల్లాగా తీర్చిదిద్దడాం అని మంత్రి వనిత కోరారు.

టీజీ రోగులకు సాయం అభినందనీయం

టీజీ రోగులకు సాయం అభినందనీయం అని మంత్రి వనిత కోరారు. టీజీ రోగులకు సాయం అభినందనీయం అని మంత్రి వనిత కోరారు.

Grasim Industries Limited, Balabhadrapuram, has 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 on (28.11.22). Mr.RG Krishnan, Unit Head and Murali Krishna HR Head with the CSR team were present in the programme.



*Thank
You*

CSR @ BB Puram



GIL/BBP/UH/ENV/231
26th September 2022

The Environmental Engineer,
Regional Office: Kakinada Plot No. 2
IDA, Ramanayyapet, Kakinada-533 005
Email: rokko-ee1@appcb.gov.in

Dear Sir,

Sub: Submission of Environmental Statement Form V, for the FY-2021-22 Regd.

(Ref: 1. EC F. No.: J-11011/90/2011-IA II (I), Dated 22.03.2013 issued by MoEF, GOI, New Delhi.
2. CFO Order No: APPCB/VSP/KKD/11022/136/HO/CFO/2021- 19/11/2021, Valid till 31.10.22.)

We are hereby submitting Environmental Statement Form V, FY-2021-22, for our Unit, as per the condition laid out in EC and CFO order as referred above.

We request you to kindly acknowledge the receipt of the letter.

Thanking you,

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

R. G Krishnan
Jt. President & Unit Head

Contact Details:

Mobile Nos: 8424010600 (alt) 8008303882

Email : rg.krishnan@adityabirla.com

Alt grcd-bbp.environment@adityabirla.com

Encl:

1. Environmental Statement- Form V- FY 2021-22

CC: 1. Member Secretary, APPCB Head Office, Vijayawada, Andhra Pradesh.
2. MoEF&CC, Integrated Regional Office, Vijayawada

RECEIVED COVER
CONTENTS NOT KNOWN
29/09/2022
AP POLLUTION CONTROL BOARD
KAKINADA

Grasim Industries Limited

Chemical Division - BB Puram

Survey No : 1 to 4, Near Kanadu Metta Road, Balabhadrapuram
Biccavolu (M) East Godavari Dist - 533 343, Andhra Pradesh, INDIA

Website : www.grasimchem.com

CIN L17124MP1947PLC000410

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

ANNEXURE ENVIRONMENTAL STATEMENT FORM-V

(See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

- i. Name and address of the owner/ occupier of the industry operation or process.

R G Krishnan,
Unit Head, Grasim Industries Ltd.,
Chemical division- BB Puram,
Survey no: 1 to 4, Near Kanedu Metta road, Balabhadrapuram,
Biccavolu (M), East Godavari Dist -533 343, Andhra Pradesh, India

- ii. Production category – Units (FY 22):

- a. Caustic Soda - 5386 MT
- b. Caustic Soda flakes – 0 MT
- c. Liquid Chlorine – 2700 MT
- d. Hydrogen – 0 MT
- e. Sodium Hypochlorite – 1230 MT
- f. Hydrochloric Acid- 1957 MT
- g. Stable bleaching powder – 260 MT
- h. Chlorinated Paraffin wax- NIL
- i. Mono Chloro Acetic Acid- NIL

- iii. Year of establishment: 27th December 2021

- iv. Date of the last environmental statement submitted. : Our's is a New unit, This is our first Environmental Statement.



PART :B

Water and Raw Material Consumption:

i. Water consumption in m3/day.

Process: 600 KLD

Cooling: 400 KLD

Domestic: 40 KLD

Sl. No.	Name of Products	Process water consumption per unit of products	
		During the previous financial year (FY 21)	During the current financial year (FY 22)
1	Caustic Soda	Nil	5.8
2	Caustic Soda Flakes	Nil	
3	Liquid Chlorine	Nil	
4	Hydrogen	Nil	
5	Sodium Hypochlorite	Nil	
6	Hydrochloric Acid	Nil	
7	Stable Bleaching Powder	Nil	1
8	Chlorinated Paraffin Wax	Nil	Nil
9	Mono Chloro acetic Acid	Nil	Nil

ii. Raw material consumption

Sl. No.	Name of raw materials*	Name of Products	Consumption of raw material per unit of output (Main product)	
			During the previous financial year (21)	During the current financial year (22)
1	NaCl Salt	Caustic Soda (Main Product), Caustic soda Flakes, Other by products include HCL, Cl, Hydrogen, Sodium Hypochlorite,	Nil	1.7 MT/MT
2	Sodium Carbonate		Nil	6.008 Kg/ Mt
3	Barium Carbonate		Nil	6.872 Kg/MT
4	Caustic Soda		Nil	24.89 Kg/Mt
5	Hydrochloric acid		Nil	11.03 Kg/ MT
6	Sulphuric Acid		Nil	17.681 Kg/MT
7	Sodium sulphite		Nil	2.084 Kg/MT
8	Hydrated Lime	Stable bleaching powder	Nil	0.75 MT/MT
9	Liquid Chlorine		Nil	0.44 MT/MT
10	Caustic soda Lye		Nil	33.23 Kg/MT
11	N- Paraffin's	Chlorinated Paraffin wax	Nil	Nil
12	Caustic soda		Nil	Nil
13	Chlorine gas		Nil	Nil
15	Acetic anhydride	Mono Chloro acetic acid	Nil	Nil
16	Caustic Soda		Nil	Nil
17	Chlorine gas		Nil	Nil

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.



PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

S. No.	Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	Ours Effluent treatment plant Capacity 1200 m ³ /day It has the following units. Effluent collection tank, Equalization tank, High rate solid contact clarifier, Multi grade filter, Ultra filtration, and then RO-3, RO-4, RO-5, MEE, and Agitated Thin film dryer (ATFD). No effluent is discharged outside, ATFD salts generated are disposed through APEMCL portal.			
(b) Air	SPM (Steam Boiler)	2.46 Kg/Day	30.6 mg/Nm ³	Within Prescribed limits.
	NOx (Steam Boiler)	7.188 Kg/Day	89.2 mg/Nm ³	
	SO ₂ (Steam Boiler)	3.69 Kg/day	45.8 mg/Nm ³	
	HCl (Furnace-1)	0.61 Kg/day	12.8 mg/ Nm ³	
	HCl (Furnace-2)	0.72 Kg/day	13.5 mg/ Nm ³	
	Cl (Hypo- CAPS)	0.17 Kg/day	4 mg/ Nm ³	
	Cl (Hypo- VAPS)	0.13 Kg/day	3.4 mg/ Nm ³	

Part-D

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year FY22	During the current financial year FY23
1. From Process	Nil	Brine Sludge: 72.16 MT
2. From Pollution Control Facilities	Nil	Nil.

PART-E

Solid Wastes

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year FY22	During the current financial year FY23
A. From Process	Nil, Ours is a new Unit.	None
B. From Pollution Control Facility	Nil, Ours is a new Unit.	None
C. Quantity recycled or reutilized within the unit.	Nil, Ours is a new Unit.	None

*Disposal started only in the following year.



Part- F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Brine Sludge generated from the Clarifier during brine purification is
2. We are disposing Sludge using APEMCL portal and the generation and disposal is stored in Form 3. We are also submitting the Form-4 annual returns.
3. All necessary documents are provided during disposal of any hazardous waste like HW manifest, TREM card etc. as required during transportation and disposal.
4. Sludge is stored in RCC platform which is having double liner before sending it to authorized Hazardous waste handler.
5. Fly ash generated from the Steam boiler of 15 TPH is being sent to a nearby brick manufacturing facility to utilize the fly ash.
6. Under extended producer responsibility, we as a brand owner will collect all the plastics which will be sent as a packing material with the product.
7. The plastic which is generated during the purchase of raw materials is also being disposed through APPCB authorized recyclers only.
8. We will start making bio compost using bio composting machine which is being procured to convert organic waste to Compost, which will then be utilized as a manure.
9. Sludge which is generated in Sewage treatment is utilized as a manure.

Part- G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

We have utilized the below pollution control measures for the protection of environment.

1. ESP has been installed which is 99.99% efficient to reduce the SPM.
2. Closed conveyor belt and Closed shed has been constructed for the storage of Coal.
3. We have the state of the art ETP with MEE and ATFD for recycling of effluent water. The salts generated from the ATFD is sent to APPCB Hazardous authorized agency.
4. At SBP also we have installed Bag filters for arresting dust generation.
5. The filtered water generated from the RVDF will be recycled back into the process.
6. Recovery of vapor condensate in Primary Brine section (CCU vapour condensate), During full load operation excess condensate was being discarded as wastewater which is now diverted to cooling tower make up. This is done by bifurcating the line of vapor condensate & steam condensate into separate tanks and then the condensate is transferred to user departments through pipelines.
7. We are best in the water consumption in this industry, resulting in cost savings.
8. We also have used 100% LED lights in the whole plant resulting in 35% savings in lighting load.



Part-H

Additional measures/ investment proposal for environmental protection including abatement of pollution.

We have considered the below proposals for Environment protection for the abatement of Pollution.

1. Roof top rainwater will be stored and will be reutilized.
2. Reservoir facility will be augmented to enable reuse of rainwater recovered.
3. Greenbelt will be developed 10 Acres in addition to the present 70 Acres.
4. Present sheds will be augmented to meet the requirement of the future need on need basis.
5. Third party monitoring is being carried out.
6. Drain cleaning and repairing of Storm water channel.
7. Strengthening of Environmental management systems.

Part- I

Miscellaneous:

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

Other particulars for improving the Quality of the Environment

Grasim Industries Ltd. recognizes that effective environment management is fundamental to our business. We shall strive to integrate sound business practices across Grasim's management and governance systems to minimize environmental impacts and attain a leadership position in environmental stewardship.

- We regularly develop awareness on Environment by organizing different training programs for our employees, including new joiners. We Celebrate World Environment day on 5th June in which tree plantation drive is organized in our plant and nearby area to boost green cover.
- We Optimize consumption of raw materials on continuous basis by efficient monitoring and control through DCS which avoids the human mistakes and rejection of intermediate products at different stages.
- Greenbelt is developed around the plant and nearby area, continuous improvement in greenbelt development by planting more and more trees to reduce the dust emission is being done within our land area.
- Water consumption is being reduced by improving operational discipline and recycling of water.
- Online monitoring system is installed for all plant stacks and data is displayed near main gate.
- Scheduled monitoring of Environment (Air, Water, Effluent and Emission) is carried out by third party Which is a NABL accredited approved lab.
- Online sensors for Chlorine and Hydrogen are installed at each and every section for early detection to take action immediately.
- All our Effluent treatment section is above ground.
- We have a dedicated storm water channel connected to Reservoir to reutilize the rain water, which is separate from the effluent collection.
- We have at present 8 Effluent collection pits to collect effluent which are pumped by using air operated diaphragm pump to ETP for its treatment and reutilization.







ADITYA BIRLA GROUP



World Environment Day Celebration: 2022

Theme: Only One Earth

5th June 2022



Grasim Industries Ltd.

Sy. No. 1-4, Balabhadrapauram, Bikkavolu, East Godavari, Andhra Pradesh



ADITYA BIRLA GROUP

WORLD ENVIRONMENT DAY CELEBRATION: 2022



GRASIM



Rally at Rajahmundry spreading the awareness : Only One Earth, In partnership with APPCB



ADITYA BIRLA GROUP

Do you Know posters for Awareness

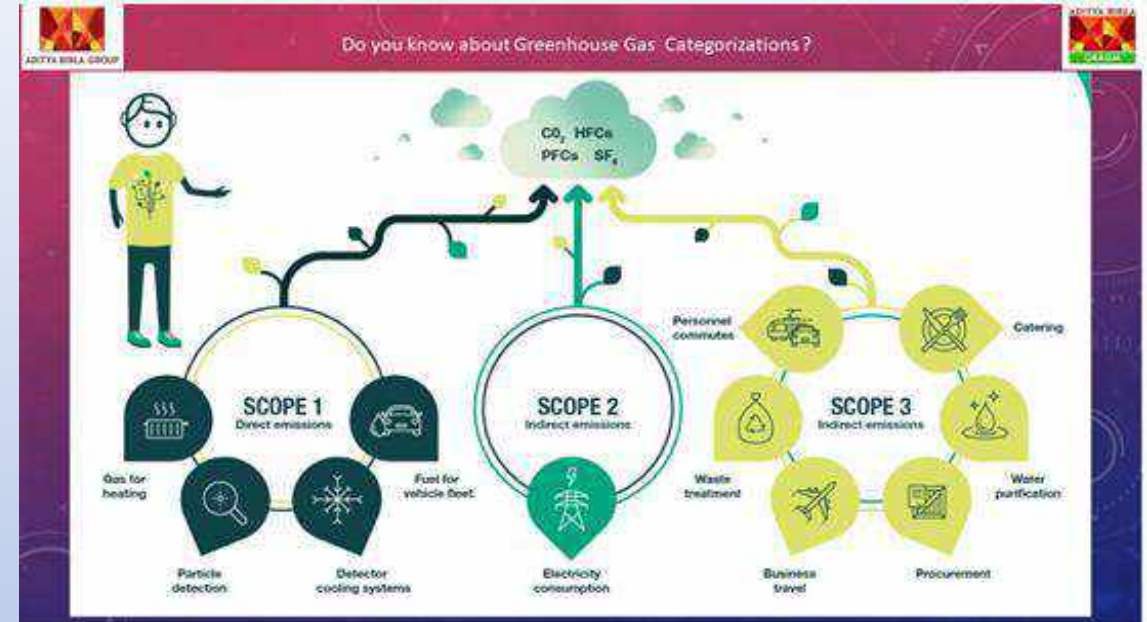


India is the only country in the world with native population of tigers and lions.

India is home to nearly half of the world's aquatic plants.

India is just 2 percent of the world landmass, but 8 percent of the world's biodiversity is found in the country.

There are 50,000 varieties of rice alone found in the country making the biggest reservoir of rice on earth.



Do you Know Water Footprint ?

Earth's surface is about 70% water. That seems a lot, but how much can humans actually use? Probably less than you think!

WATER FOOTPRINT

Everything you wear, eat and use has a Water Footprint. But, what is Water Footprint?

Water Footprint is the human appropriation of fresh water for our direct consumption and for producing goods, food, energy and everything else we need in our life.

GREEN WATER FOOTPRINT: is the rain incorporated by plants or evaporated.

BLUE WATER FOOTPRINT: is the consumption of fresh water of lakes and rivers, or the one in the ground.

GREY WATER FOOTPRINT: is the fresh water used to assimilate the pollutants.

Food Item	Water Footprint (Liters)
200g beef	3000
200g chicken	1000
200g pork	400
200g fish	250
1 glass	150
50 ml	100
1 slice	100
1 salad	100



ADITYA BIRLA GROUP

WORLD ENVIRONMENT DAY CELEBRATION: 2022



Plantation by Unit Head near New Admin Building

Employees, Contractors actively participating in Trees Plantation.



He who plants a tree, plants a hope.

Plantation at various parts inside and outside the Factory



Time Spent amongst trees is never time wasted

Group snap of Employees after doing Mass Plantation

Team BB Puram has Planted 1000+ Trees this year, we are not done yet, the count is growing..!



Be like a Tree, Stay grounded, Keep growing and know when to Let go..!



ADITYA BIRLA GROUP

WORLD ENVIRONMENT DAY CELEBRATION: 2022



GRASIM



Poster Competition by Employee Kids



ADITYA BIRLA GROUP

WORLD ENVIRONMENT DAY CELEBRATION: 2022

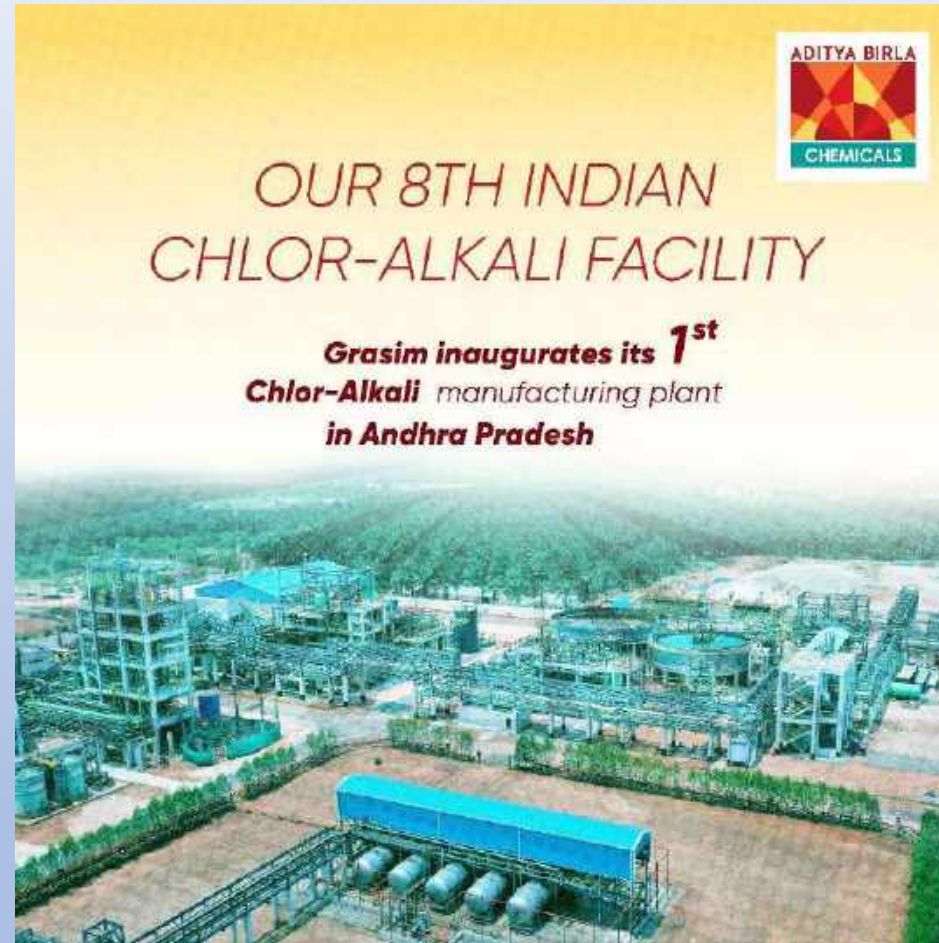


***Prize distribution in Quiz competition and Poster competition
by Unit Head and Seniors on the closing ceremony of Environment Day 2022.***



ADITYA BIRLA GROUP

Thank You



Time Spent amongst trees is never
time wasted

Trees are the roots of our
Existence

The best time to plant a tree is 20 years ago.

The second best time is now.



GIL/BBP/UH/ENV/158
24th December 2021

The Regional Director,
Ministry of Environment Forest and Climate change,
Regional office (South Eastern Zone),
1st and 2nd 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 21st November, 2019.
3. Extension of validity of EC till 22nd March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18th August 2020.)

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

A handwritten signature in black ink, appearing to read "R. G. Krishnan".

R. G Krishnan

Jt. President & Unit Head

Contact Details:

Mobile Nos: 8884946985 (alt) 8008303882

Email : rg.krishnan@adityabirla.com

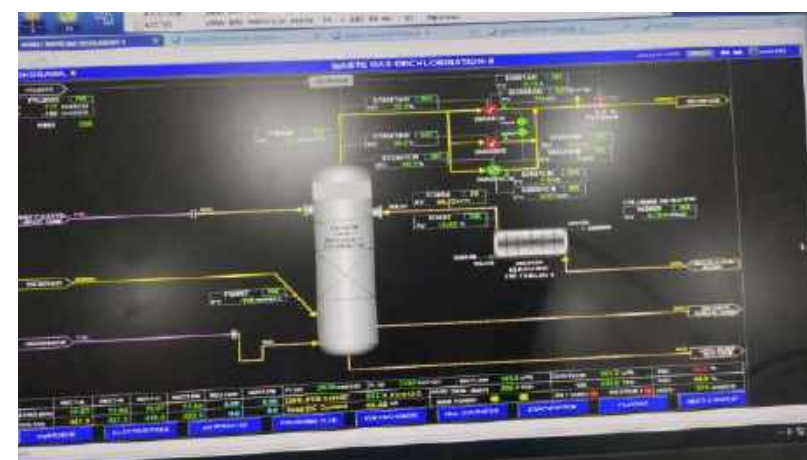
Alt : muralikrishna.mvk@adityabirla.com

Grasim Industries Limited
Chemical Division - BB Puram,
Survey No : 1 to 4, Near Kaneru Melta Road, Balabhadrapuram
Bikkavolu (M), East Godavari Dist - 533 343, Andhra Pradesh, INDIA

Website : www.grasimchem.com
CIN L17124MP1947PLC000410

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

Photographs of Online Chlorine analyzer connected to DCS control room



Previous EC Compliance Reports



GIL/BBP/ENV/APPCB/EC/255
29th November 2022

Environment Engineer
Regional Office, Andhra Pradesh Pollution Control Board
Ramanayyapeta, Rajeshwari Nagar
Kakinada, Andhra Pradesh 533005

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 21st November, 2019.
3. Extension of validity of EC till 22nd March 2023, vide F. No. J-11011/90/2011-IA II (I) Dated 18th 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 to September 2022, with this letter for your information and kind record please.

Thanking you,

Yours faithfully,
For Grasim Industries Limited
(Chemical Division, BB Puram)

Contact details:

Mobile Nos: 8424010600 (alt) 8008303882
e-mail : rg.krishnan@adityabirla.com
(alt.) grcd-bbp.environment@adityabirla.com


R G Krishnan
Jt. President & Unit Head

Encl.: As above

Grasim Industries Limited

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

Website : www.grasimchem.com
CIN L17124MP1947PLC000410

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



GIL/BBP/ENV/MOEF/EC/131
01st December, 2021

The Regional Director,
Ministry of Environment, Forest and Climate Change,
Regional Office (South Eastern Zone),
1st and 2nd floor, HEPC Building, No. 34,
Cathedral garden road,
Nungambakkam, Chennai-600034

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(Ref: 1. Environmental Clearance vide F. No. J-11011/90/2011-IA II (I), Dated 22nd March, 2013
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Thanking you,

Yours faithfully,

For Grasim Industries Limited
(Chemical Division, BB Puram)

Contact details:

Mobile Nos: 8884946985 (alt) 8008303882
e-mail : rg.krishnan@adityabirla.com
(alt.) muralikrishna.mvk@adityabirla.com


R.G. Krishnan
Jt. President & Unit Head

Encl.: As above

CC: 1. Joint Chief Environment Environmental Engineer (CFE), AP Pollution Control Board, Vijayawada
2. The JCEE, Zonal Office, Visakhapatnam
3. Environmental Engineer, AP Pollution Control Board, Ramanayyapeta Kakinada

Grasim Industries Limited

Chemical Division - BB Puram,
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