

Industry ID: 36507

02.09.2023

Member Secretary, Gujarat Pollution Control Board, Sector 10A, Paryavaran Bhavan Gandhinagar – 382 021

Dear Sir,

Sub.: Submission of Form-V, Annual Environmental Statement for FY - 2022 -23.

We are submitting herewith attached the Annual Environmental Statement (Form-V) for the Financial Year 2022 -23.

Hope you will find the same in order.

Thanking you,

Yours Faithfully, (For Grasim Industries Limited) Unit: Grasim Cellulosic Division, Vilayat

Ashish Garg

Sr. President & Unit Head

Encl.: Form-V

CC: RO, GPCB Bharuch

Grasim Industries Limited (Unit:Grasim Cellulosic Division)

Site : Plot No. 1, G.I.D.C. Vilayat Industrial Estate, PO.-Vilayat, Taluka-Vagra, Dist. Bharuch - 392 012, Gujarat. | Tel. 02641 - 273099 Regd. Office : Grasim Industries Limited, Birlagram, Nagda (M.P.) 456 331. CIN : L17124MP1947PLC000410 Environment statement (Form -V) - 2022 - 2023

ENVIRONMENTAL STATEMENT (FORM – V)

Grasim Industries Limited

(Unit- Grasim Cellulosic Division) Plot No. -1, GIDC- Vilayat, Tal – Vagra, Dist. – Bharuch, Gujarat-392012

2022 - 2023

Environment statement (Form -V) - 2022 - 2023

FORM – V (See Rule 14)

From: Grasim Industries Limited

(Unit- Grasim Cellulosic Division) Plot No. -1, GIDC- Vilayat, Tal – Vagra, Dist. – Bharuch, Gujarat-392012

To, Gujarat Pollution Control Board, Sector 10-A, GANDHINAGAR - 382 010

ENVIRONMENTAL STATEMENT for the financial year ending the 31st March 2023

PART – A

(i)	Name and address of the owner / occupier of the industry operation or process	:	Mr. Ashish Garg (Unit Head) Grasim Industries Limited (Unit- Grasim Cellulosic Division) Plot No1, GIDC- Vilayat, Tal – Vagra, Dist. – Bharuch, Gujarat-392012		
(ii)	Industry Category – Primary – (STC Code) Secondary – (STC Code)	ç	Large (Red	!)	
(iii)	Production Capacity Units	:	438000 346750 54750 393288 30	MT/Year MT/Year MT/Year MT/Year MW	Viscose Staple Fibre Sulphuric Acid Carbon Di-Sulphide Anhydrous Sodium Sulphate Power Generation

 (iv) Year of Establishment : April 2014
(v) Date of the last : 09.09.2022 Environmental Statement submitted

Submission of Environmental Statement is in accordance with the provisions of Rule-14 of the Environment (Protection). Amendment Rules, 13 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G.S.R. 386 (E) in the Gazette of India – Extraordinary – Part – II Section-3 subsection (i), No. 155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India read with the Notification dated 13-2-1993 G.S.R.

329 (E) of the Gazette of India – Extraordinary part – II Section-3, Subsection (i) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring consent under section-25 of the water (prevention & Control of pollution) Act. 1974 (6 of 1974) or under Section-21 of the Air (prevention & Control of pollution Act. 1981 (14 of 1981) of both or authorization under the hazardous wastes (Management & Handling) Rules, 1989 Published under the Environment (Protection) ct. 1986 (29 of 1986) Shall an Environment Statement for the Financial Year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the Thirteenth day of September every year, beginning – 1193"

PART – B

Water and Raw Material Consumption

i.	Water	Consumption	m ³ /Day
Pr	ocess	:	12246

1100033		12270
Cooling	:	5054
Domestic	:	308

S.	Process water consumption pe output, (m ³ /M		
No.	Name of the Products	During previous Financial Year (2021- 22)	During Current Financial Year (2022- 23)
1.	Viscose Staple Fiber	28.12	18.77

ii. Raw Material Consumption

S.	Name of Raw	Name of	-	Materials per unit of MT/MT)
No.	Materials	Products	During previous Financial Year (2021- 22)	During Current Financial Year (2022- 23)
1	Rayon Grade Pulp	VSF	1.007	1.008
2	Caustic Soda	VSF	0.474	0.469
3	Sulphuric Acid	VSF	0.683	0.650
4	Carbon di Sulphide	VSF	0.086	0.077

 Industry may use codes if disclosing detail of raw material would violate contractual obligations, otherwise all industries have to name the raw materials use Environment statement (Form -V) - 2022 - 2023

PART – C

Pollution Discharged to Environment / Unit of Output

(Parameter as specified in the consent issued)

Sr. No.	Pollutants	Parameters	Quantity of pollutants Discharge (mass/day) except Ph & Temp in T/day	Concentr pollut discharge volu	ant in e (mass/	Percentage of variation from the prescribed standard with reason
		Ph		7.40	_	
		Temperature		29.25	Deg C	
		TSS	0.38	29.17	mg/lit	
		Phenolic Compounds	0.00	0.10	mg/lit	
		Fluoride	0.02	1.75	mg/lit	All Values are within GPCB norms
	Water — Treated Effluent	Sulphides	0.01	0.97	mg/lit	
		Ammonical Nitrogen	0.04	3.15	mg/lit	
		Total Kjeldahl Nitrogen	0.07	5.55	mg/lit	
1)		Nitrate Nitrogen	0.03	2.43	mg/lit	
	(ETP Outlet)	Copper	0.00	0.07	mg/lit	
		Nickel	0.00	0.12	mg/lit	
		Zinc	0.01	0.66	mg/lit	
		Cadmium	0.00	0.04	mg/lit	
		BOD	0.65	50.18	mg/lit	
		COD	2.18	167.09	mg/lit	
		Iron	0.02	1.22	mg/lit	
		Bio-assay test		90%	90% survival of fish	
Ren	naining paramete	rs mentioned in CCA are c	bserved BDL as per	analysis rep	orts.	

Sr. No.	Pollutants	Parameters	Quantity of pollutants Discharge (mass/day) except Ph & Temp in T/day	Concentr pollut dischargo volu	ant in e (mass/	Percentage of variation from the prescribed standard with reason
2)	Air		r		1	
a)	Rayon Plant	CS2	15.41	16.00	Kg/Ton of Fibre	
u)	Adyon Flanc	H2S	2,41	2.50	Kg/Ton of Fibre	
b	Acid Plant –1	SO2	0.34	1.00	Kg/Ton of Acid	
b)		SO3	0.01	13.20	mg/Nm3	
c)	Acid Plant - 2	SO2	0.28	0.80	Kg/Ton of Acid	
	ACIG FIGHL - Z	SO3	0.01	11.9	mg/Nm3	All Values
	CS2 Plant	CS2	0.00	73.1	mg/Nm3	are within GPCB norms
d)		H2S	0.00	28.6	mg/Nm3	-
		SO2	0.06	82.00	ppm	
	-	РМ	0.09	23.5	mg/Nm3	
	Captive Power	SOX	0.33	33.9	ppm	
e)	Plant – 30 MW	NOX	0.24	35.0	ppm	
		Hg	0.00	0.00	mg/Nm3	

Environment statement (Form -V) - 2022 - 2023

PART – D

(HAZARDOUS WASTES)

[As specified under Hazardous wastes (Management and Handling) Rules, 1989]

			Total Quantity of	Total Quantity disposed in MT		
Sr. No.	Hazardous Waste	Consent Qty.	During the previous Financial Year 2021-22	During the current Financial Year 2022-23		
From P	rocess					
1	Used Oil	25 KL (27.5 MT)	11.7	16.2		
2	Spent Catalyst V2O5 from H2SO4 Plant (1 & 2)	15 MT	13.77	10.66		
3	PVC/HDPE bags/ liners contaminated with Hazardous Chemicals/wastes & Empty barrels/containers	480 MT	267.2	362		
4	Spent resin from water treatment plant	12 MT	0	0		
5	Spent carbon or filter media	50 MT	0	0		
6	Residue or sludge & filter cakes	400 MT	35.7	105		
7	Waste or residue containing oil	12 MT	0	0		
8	Chemical Residues	1495 MT	1040	1137		
9	Na2SO3	7106 MT	2932	4487		
	ollution Control Facili			107		
10	ETP Sludge (Chemical & Organic)	35000 MT	27690	31244		

PART – E

SOLID WASTES

	Total Quantity (Kg.)		
Solid Wastes	During Current Financial Year (2021-22)	During Current Financial Year (2022-23)	
a. Fly Ash	0.00*	23287	

*Captive Powerplant of 30 MW capacity came into operation in FY 23.

PART - F

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

S. No.	Physical form with description	Disposal Quantity (in MT)	Disposed To
1	Chemical Sludge from ETP - Chemical sludge is being generated in sump zone clarifier after neutralization by lime slurry. It is collected in separate thickener for dewatering in filter press. Dewatered sludge is stored on Concreted floor in a shaded storage area, which helps in reduction of further moisture of the sludge.	19954	Cement industry for Co processing
2	Organic sludge/Biomass from ETP – Sludge generated from Primary clarifier as well as activated sludge process is collected in thickener and fed to belt press for dewatering. The dewatered sludge is stored on concrete floor in a poly carbonated sheet covered storage area for further reduction of moisture.	11290	Common TSDF for Landfill
3	Chemical Residues- Chemical residue is generated from the process and viscose drain. It consists of organic matter up to 90%. It is stored on shaded concrete area before final disposal.	1137	Common TSDF for Landfill
4	Residue or sludge and filter cakes – Residue is being generated from manufacturing process of acid plant. Prior to disposal it is stored in the dedicated shaded area having concrete floor.	105	Common TSDF for Landfill
5	Na2SO3 It is in liquid form and is generated from SO2 Quenching tower of CS2 plant.	4487	Authorized actual end users having rule-9 permission and valid CCA
6	Used Oil Used Oil is in liquid form and flammable in nature. It is generated from rotating machinery during schedule maintenance.	16.2	Authorized Recyclers

Environment statement (Form -V) - 2022 - 2023

S. No.	Physical form with description	Disposal Quantity (in MT)	Disposed To
7	PVC/ HDPE bags/liners contaminated with Hazardous wastes and empty barrels/containers. Chemical containers HDPE drum and containers.	362	Authorized decontamination facility
8	Spent Catalyst from H2SO4 plants (1 & 2)	10.66	Common TSDF for Landfill

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

Sn.	Control Measured Adopted	Impact on Conservation of Natural Resources
1.	Desulph bath heating with scrubber water recycling in Line	Steam saving - 15 TPD
2.	NFL Pre Heating system using scrubber hot water	Steam saving - 9 TPD
3.	Dryer inlet conveyor speed optimization for reduction in steam consumption & dryer steam traps checking/changing	Steam saving - 32 TPD
4.	Dryer steam reduced from 1.3 T/TF to 1.1 T/TF by starting distributor & Pin beater rpm increased from 200 to 230 to improve fibre opening and thus decrease steam consumption in dryer.	Steam saving - 63 TPD
5.	Use of MSFE condensate to save soft water in Fibre Washing.	Steam saving - 5 TPD
6.	Chilled water Hot well bypassing to stop primary pump run (3 nos. 55kW/hr each)	Power saving - 976 kWh
7.	Centrifugal air compressor (common for P1 & P2) run instead of screw air compressor (1600 kWh/day)	Power saving - 263 kWh
8.	MSFE thick bath pump run reduced from 2 pumps to 1 pump MSFEs (4 pumps stopped *45kW/hr)	Power saving - 1065 kWh
9.	Reduction of Power consumption in Viscose by reduction in Pulper rpm & Churn cycle time	Power saving - 231 kWh
10.	Using cooling tower return water in vacuum pump instead of fresh FW	Water saving - 255500 m3/Annum
11.	MSFE-9,10 vacuum water inlet line connected with old PHE cooling system to use recycled FW with chilled water chilling in PHE	Water saving - 54750 m3/Annum

PART – H

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

Sn.	Proposal scheme	Additional Investment (Rs in Lac)	
1.	Shed and drainage of Coal storage area at CPP.	1500	
2	Roof top Rain water harvesting to conserve 50		
3	Green Belt development & Horticulture 110		
4	Additional Screw press and Filter press installation for solid handling	400	
5	ETP Sludge Shed expansion and improvement 200		
6	CAP Plant installation for CS2 recovery from Spinning off gases.	27000	
	Total Expenditure	29260	

PART – I

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

Other Initiative for Improving the Quality of the Environment-

- 1. Our motto is green sustainable manufacturing which includes preservation of natural resources as a part of our Environment & Sustainability policy of Grasim Pulp & Fibre business. We are committed to continuously improve key indicators of economic and social parameters related to environment protection and sustainability.
- 2. We are regularly increasing awareness on Environment by conducting different types of training to employees including mandatory training to new joinees. We are regularly celebrating World Environment Day on 5th June, in which multiple awareness activities are conducted and a tree plantation drive is organised in plant and nearby area to boost the green productivity movement. In addition, plantation drive is conducted in the plant frequently.
- 3. Optimizing consumption of raw materials on continuous basis is a major focus area. Efficient monitoring & control through DCS helps avoid human intervention resulting in better process control and product consistency.
- 4. We have established a global benchmark for lowest water intensity in viscose fiber manufacturing. Less water consumption leads to a Sustainable and Environment friendly process which is Demand of Time in Pulp and Fiber business at Vilayat. A combination of Reduce Reuse Recycle Regeneration methodology is adopted which helped to achieve drastic reduction in fresh water consumption level.
- 5. Plantation has been done along the periphery of plant, road sides and open area. Total 20000 nos. trees have been planted during financial year 2022-2023. In addition, we are creating "Grasim Van and Miyawaki Forest" outside the factory grounds to make Mother

Environment statement (Form -V) = 2022 - 2023

Earth greener. In FY 2022-23, more than 70000 saplings - 80 different species were planted with proper care and protection.

- 6. Effluent generated from process is being treated in full-fledged Effluent treatment plant comprising of preliminary, primary, secondary & tertiary treatment units. As a strategic initiative, we have installed one of the largest RO on treated effluent at site which treats 20000 m3 effluent/day. 14000 m3/day is recovered and used in process in place of fresh water.
- 7. Vilayat site has further augmented its effluent treatment facility and meets all the relevant ZDHC discharge norms.
- 8. Online monitoring system is installed for all plant stacks and data is displayed at CEMS room near to process stacks and DCS of the Dept. Online TOC, COD, BOD, SS, PH and effluent flow monitoring is done at the outlet of treated effluent before pumping it to GIDC Vilayat pumping station.
- 9. Replacement of Tube light, Lamps with energy coefficient LED bulbs & solar street lights to save energy and reduced generation of E waste. In FY 2022-2023, 9884 LED lights & 54 solar street lights have been installed in the plant.
- 10. Many community development measures are taken up in near- by villages, a separate Annexure-B is enclosed for details under CSR activities during the year.
- 11. Sustainability is at the core of our Pulp & Fiber business. Through our efficient manufacturing process, we have made significant improvements in terms of increased water recovery, reduction in emissions, chemical recovery amongst others. Grasim Cellulosic Division (GCD), Vilayat has won the prestigious "CII-ITC Award for Excellence in Environment Management" recognizing its commitment to sustainability and achievements in water recovery, emissions reduction and chemical recovery.

Address

(Signature of a person carrying out an Industry – operation or process)

Name **Designation** :

1

ish Gart

Sr. President & Unit Head

Grasim Industries Limited (Unit- Grasim Cellulosic Division) Plot No. -1, GIDC- Vilayat, Tal – Vagra, Dist. – Bharuch, Gujarat-392012

Attachments-

Annexure A - Awards and Certificates Annexure B - CSR Annual report Annexure C - Celebration of World Environment Day

Annexure - A

Awards & Certificates

	Integrated Management System Certification We have Integrated Management System which comprise of ISO 9001: 2015, 14001: 2015 & 45001: 2018
FSC WWW.facem FSC* C145a2d The mark of responsible forestry	FSC CoC Certification We are certified for FSC CoC
OEKO-TEX ® CONTRICENTITUTS STANDARD 100 207 Shifty Teldet for Vandhal substances. www.asik-bit.com/standar100	STANDARD 100 by OEKO-TEX [®] We have STANDARD 100 by OEKO-TEX [®] certification as a Class I product, which means it is safe for use in applications having skin contact and is even safe for use in baby articles.
REAL PROPERTY OF	Certification for recycled Liva Reviva Fibre We are producing recycled cotton waste blend Liva Reviva Fibre
USDA CERTIFIED BIOBASED PRODUCT PRODUCT PRODUCT	USDA Bio based Certification This certificate confirms that product is derived from plants and other renewable agricultural/ forestry materials and provide an alternative to conventional petroleum derived products.
BIS	BIS Certification VSF in GCD Vilayat has BIS Certification
OK compost OK compost AUSTRIA HOME S0926	OK Certification Regular viscose fibres are certified according to OK scheme for composability in various conditions like industrial composting and biodegradability in soil, water & marine environments. The fibres are biodegradable and compostable at the end of life and clearly shows the circular nature of the MMCF coming from renewable and sustainable raw material wood.
REACH	Reach certified for 233 substances





CII-ITC Award for Excellence in Environment Management -2022

Economic Times- Promising Plant Award in June - 2022



CSR Annual Report 2022-2023 Grasim Industries Limited,Vilayat











About Grasim – Vilayat

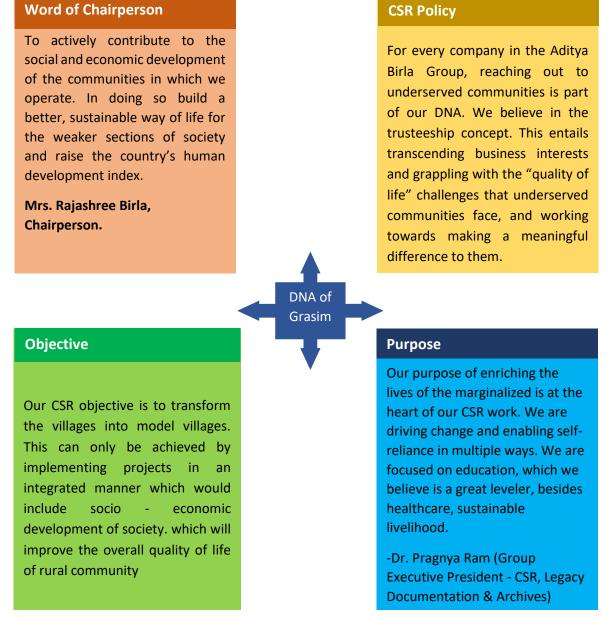


ADITYA BIRLA Grasim Industries Limited -Vilayat Unit (Bharuch, Gujarat) CSR is a link to sustainable development businesses feel that there is a need to integrate social, economic and environmental impact in their operation.

Grasim Industries Limited is building a state-of-the-art integrated Viscose Staple Fibre & Caustic soda, Epoxy manufacturing complex at Vilayat near

Bharuch city of Gujarat. The stone of this unit was laid on in June 2011. & spread over 535 acres near land area in Vilayat Industrial estate, GIDC – Vilayat. Bharuch.

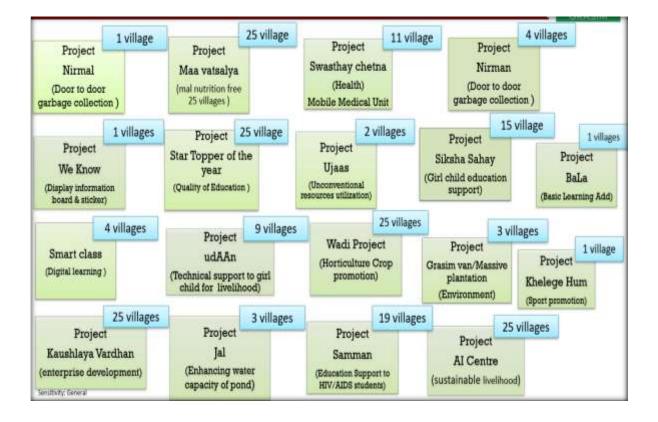
Vilayat Village is located in the Bharuch District. It is around 23 km. from the district place. Villages located nearby have agriculture as the pre-dominant occupation. The main community here are Muslim, Patel, Rajput, Adivashi, and Harijans. We work with 25 villages covered approximately population is 1, 01, 518 people.



Values		
Integrity		
Commitment		
Passion		
Seamlessness		
Speed		

Our Focus Area Education Health Sustainable livelihood Infrastructure development Rural development

Major Intervention



Education

Various projects are being done in the field of education in the surrounding villages by Grasim, through these projects, Grasim aims to provide high quality oriented and accessible education to the children of the village level like urban children. With various projects and physical educational tools, they become interested in education and with efforts to get education in an easy way, Grasim has always been doing with the new project in nearby school schools.

We know the quality of education is only the major part of growth engine of the country therefore we are focusing on that.

Highlight of the education project – long term and short-term intervention for quality of education.

Star Topper of the Year

Our purpose of start this project to motivate the primary school students who have done hard work and got good position in the class, under this project we encourage them and provide useful education material (gift) it is positive push them for better performance and growth and one step ahead for next year with hard and smart work.



In addition, we had discussed the project object with education wing and then we had gone for implementation in 25 primary schools. This initiative has appreciated by school teachers and parents and they all are requesting us to continue this project for every year.

Smart class

we have installed 4 smart boards at primary schools respectively Kelod , Karmad , Mahudhla & Vansi, through these is useful and effective tools students can be learnt effectively and I want to say advance smart boards extensively using by more than 500 students in four primary schools, and they can be enhancing the learning capacity.



However, some school have not enough teacher means teacher students ratio not maintained so it is very useful tools in absence of teacher students shall be learn a lesson online through various education apps their own, even every principal has appreciated the initiative, they had used the word from the mount - indeed it will help us as smart teacher and fulfill the gap of teacher.

Siksha Sahay

A Scholarship scheme was started from 2015 and till date 1006 girl students have got benefit and completed their secondary and high secondary education and enrolled in upper higher education.



We had observed many girls' students are drop out after primary school education many reasons are there because secondary school not at their village, need financial assistance, some parents has not wiliness to promote them for further education, escort issue ect, therefore we have started "Shiksha Sahay" yojana for such girls and support them financial help.

we are providing financially support under the Shiksha Sahay

Yojana and helped them to get secondary and higher secondary education and try to they all in the mainstream of education, we have tracking data many of them have completed their graduation somebody have taken admission in vocation tread and made a career in professional courses like nursing etc.

Executive and Mamlatdar Smt. Vibhu Khaitan was present in the program of cheque distribution and explained the importance of education for girls, she had given an appropriate example to them why education is essential and appreciate the Grasim scheme of Shiksha sahay and requesting to continue such initiative for girl child particularly.

Basic Learning Add (BaLa)

We have adopted "Basic Learning Add" (BaLa) concept, it is pictorial method to learn, kid does not have require books in this method, we have painted lots of appropriates picture on the wall. We have covered all syllabus on wall so that kids can easily learn and recognized the picture what they have seen on wall. This year we have adopted one



Aganwadi (AW) and try to see the real impact on child mind, however we had random survey basically it was conducted by mentor of AW they had share their experience positively and recommended to adopting more AW and applied the BaLa concept.

\rm 🕹 Samman

We have adopted HIV/AIDS affected infected children of entire 19 village of Bharuch district and launch a project "samman" for them, under this project we are helping them for educational materials, and guided them why it is importance in life.

We organized program from those all students who



are affected from HIV/AIDS, and we had also invited education expert in the program and counselling them for career and motivated them, as well we tell them all you are normal children as other, so don't feel any discrepancy and live bravely good will take of all human and requesting to all people please behave with them respectfully encourage them take care of them.

🖶 🛛 We know

The project we have deign for enhancement of learning capacity of students through use different methods and tools, we have developed sticker on science and environment subjects puts single line quotes in each sticker so that students can easily ready mention quotes on each sticker and learn properly.



In addition, we have developed board of freedom fighter, scientist and great celebrities write detail of those great people and fixed those all board



in school premises. We have received very positive feedback from teachers they said it is very unique initiative that you have implemented for our students and important point is you have print photo of great leaders on board.

Khelege hum

We know sports is very important for everyone and give holistic development, we can say Primary school Bhersam is one of the best schools in sports activities, the school students have been participated in **"Khel Mahakumbh"** and represented his/her school on district level in many games, three students were awarded by district authority it was very proud moment for school as well Grasim also.



We Grasim-CSR taken initiative to promote and motivate them for sports activities, we have provided them some spots materials & track suit etc, with Grasim Logo now onward whenever they will play Grasim logo will display.

Under 14teen, they have best volleyball team in Vagra block, however 192 students will be using the playing equipment and prepare themselves for next sports competition.

4 Education Tour for primary school



Educational tours can be an incredibility valuable experience for school students. Providing them rang of benefits. This can be help to develop their understanding and empathy for others,

Primary School Vorasamani was supported with two buses for student's educational tour at Science City Ahmedabad more than 108 students have visited they has acquired some

additional knowledge from there. Exposer is best way of learning students can learn by practical.

Resources and scheme mobilisation for students

We have provided printers to two primary schools students to strengthening their administration as well it is useful for various competition organised by Grasim and school authority, when they do not have printer facility that time they have to go nearby town for printing work hence they were loss time and energy after providing printer facility they save time all staff members are very happy and thanks to Grasim-CSR.





Government have launched Sukanya scheme particularly it is for girl child only who are under 10 years - Tie up Sukanya scheme for 60 girl's coordination with post department and thanks to post department officer they are very dedicatedly do this all process on Sunday along with CSR team we visited location and completed said work.

New school building

Education is considered as one of the key elements of human development. To promote quality of education in rural areas, Grasim CSR had taken up some great initiatives which includes infrastructure development and strengthening school administration. An old dilapidated school building was demolished and new school building was constructed in Vilayat village which will provide safe infrastructure to 250 students.



Health

Grasim is working tirelessly to make the villages around the company disease-free and healthy by doing various projects in the health sector with the basic objective of public welfare. The mobile medical van of the dispensary, which is run by Grasim, goes to the village and examines the patient, gives him free medicines and also refers him to the nearest hospital if needed. Apart from this, patients of various camps such as skin diseases, awareness drives, bone and joint pain, cataracts and jaundice in eye examination are given free surgery. Grasim is making efforts to ensure that people around her lead a healthy and healthy life through various such projects.

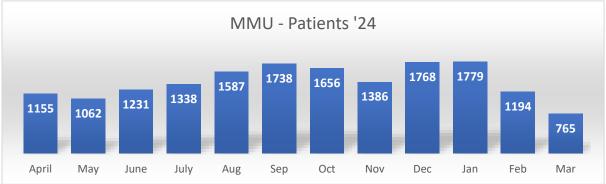
Mobile Medical Unit-

Grasim Mobile Medical Unit - a doorstep free primary health service in 11 villages and at 22 Sites, is one of the projects most appreciated by the community members due to the quality of service provided by MMU team. The team comprises of an MBBS Doctor, B.Sc. Nurse, a coordinator and



a driver. The project had reached 16659 (Children -2777, Male – 5403 and Female – 8479) patients this year and provided free medicines and counselling services to the patients. The majority of the patients had approached the MMU with complain of body pain, upper Respiratory Tract infections, skin diseases and gastrointestinal tract problems.

In addition to the regular primary health care services, the Grasim MMU team had conducted home visits of the patients who are on bed or unable to approach to MMU locations and provided possibal medical assistence.



Grasim MMU team had collaborated with the government ANC – Antenatal Check Up Camps to provide doctors service to 30 pregnant and lactating mothers from the communities and provided medicines.

4 Awareness Drive

As part of the preventive health care services, Grasim CSR team had conducted awareness sessions on the topics like personal hygiene and cleanliness, menstrual hygiene, mental wellness, prevention of skin diseases and body pain issues and tuberculosis.

TB: We know, tuberculosis (TB) is a bacterial infection spread through inhaling tiny droplets from the coughs or sneezes of an infected person. It mainly affects the lungs, but it can affect any part of the body, including the tummy (abdomen), glands, bones and nervous system. TB Association of India was established in 1939 and stated awareness drive for



peoples who are affected and also for those people who are not infected but prevent themselves form TB. However, we had organised awareness program for community, employee and contract workers in association with Taluka health Office, Vagara and central nodal agency.

Menstrual hygiene: Our major objective is to aware the rural girls of age of 10 to 19 To increase awareness among adolescent girls on Menstrual Hygiene, we observed particularly in rural area



girls are not aware of menstrual hygiene therefore sometime they suffer infection and other complains. We are mainly focusing on schools' girls so that they can got appropriates information on right time follow the same and take precaution. We have distributed 69 sanatory napkin bunch to all girls who are participated in awareness session.

There are five main aspects of personal health: physical,

emotional, social, spiritual, and intellectual. In association with InerWheel, Bharuch we have organized mental health awareness camp for health workers, AW workers and members of Inerwheel volunteers there were more than 59 participants took part in the program and they will be aware to other people in fields.

Hemo Dialyses Machine

We have installed 2 Hemodialysis machines at Swami Shashtrijee Maharaj hospital, Atladra, operated by BAPS. As we know BAPS is well known organization which has work many health-related activities for underprivilege people.



Doctor has shared the services of hemodialysis machine one machine will be cover 100 patients so end of the year

approximately both machines will be covering dialysis process 2400 times. Day by day kidney failure cases have increase over all in Gujarat so that we have installed two Hemodialysis machines for community services, it will operate and maintenance by BAPS.

Eye check and cataract operation camp



Eye check-up and Cataract surgery camp benefitted to the 263 patients where need-based service was provided in terms of counselling, medicines, spectacles and cataract surgery

Blood Donation camp

We had organized Blood donation camp on the occasion of our founder Late Vikram Adityaji b'day. Employees of GCD-CD & Epoxy division overwhelming response by for blood donation, we have collected 185 blood units and give valuable contribution to save life. Every year we have had organized Blood donation camp and collect good quantum of blood units for needy people



🔸 MAA Vatsalya

We know, Gujarat stat facing malnourished problem, last year 1230 children were under Red zone into Vagra Block, we have adopted 105 children who are belong from our 25 working villages and



through our intervention all children's come out from Red Zone, in the year 2022-2023 around 122 children found by ICDS, again they all we adopted and provide proper food kits and proteenex powder to them. and simultaneously we have monitored all those red zone children after our efforts and proper, cooperation by parents and support by Aganwadi workers, they all kids came out from red zone.

Sustainable livelihood

Under the Livelihood Project, the women of the village, who are under-educated, homemakers, are not skilled but want to be financially independent, should be trained in their own village at home and made self-reliant.

They are given the necessary training and training materials by a skilled trainer so as to acquire the skills properly and at the end of the training they are also given a certificate. So that they can also apply for loans and avail benefits of various government schemes. In addition, relevant support has been provided by the Grasim - CSR wing to women group for the sale of their various products.

\rm 🖊 udAAn



We know hard work is only way of success, in this area most of the girls are drop out after primary school education due to the lack of financial assistance, gender discrepancy and other social restriction girls cannot able to complete their secondary education., Our Epoxy unit had required particular girls for their plant operation activities, we have taken initiative and given an idea to take them

such girls who were drop out after 10th STD and living nearby villages, we will give them opportunity and plan special technical training of AOCP course for them, however, after completion of technical training we could enrol them as an employee in our unit.

In which, we had serials of meeting with sarpanch & Government technical institute (ITI) and design the project Udaan. Identified 30-40 such girls from nearby 9 villages who wants to takes

such opportunity and built-up their carrier, as part of these project we had a register one Basic Training Centre (BTC) special for the project Udaan, that centre has been registered from Government authority and it will run by M/s Haji Munsi Institute, Bharuch it is our technical education partner, in addition after completion of the course all girls will get NCVT



certificate because AOCP course affiliated with Government and girls having ITI degree hence they are eligible for operator post.

The proper process carried out for the project Udaan – identified such needy girls from nearby villages – counselling them – Goal set up workshop - set up numeracy and literacy assessment – parents meeting – enrolment process – theoretical training & practical training in plant and after competency assessment we will give them operation charge.

It is very unique initiative of team CSR and Epoxy team work hard and ultimately set up good example of social to technic journey and helping to such girls who have not any carrier opportunity, now the rays has come in their life through udAAn.

Artificial Insemination



The approach is to upgrade through cross breed using a rtificial insemination technology. The indigenous and no n-descript cow and buffalo will be genetically improved to increase their productivity. The only way to provide t hese types of service is to increase their milk production capacity.

We have established Artificial Insemination Centre (AI) a t Vilayat in associated with BAIF, Various types of servic

es are being provided to the livestock owners from the Artificial Insemination Centre, purpose is strategically increasing the income of animal husbandry farmers, hence through the Artificial In semination centre we are providing AI of breed improvement, vaccination-to protect them from virus, green fodder certified seeds on subsidiary rate-fodder support and door step guidance to f armers for cattle care and protection.

Wadi Project

Horticultural crops play a vital role in providing food and nutrition security to the people. They provide an important source of nutrition, especially to the rural and tribal populations. Fruits and



vegetables are the major sources of vitamins and minerals.

We have started the Wadi project since inception from 2016 basically our objective to start this project was to promote horticulture crop in this area because this area has very limited water resources and limited rain also hence this the major way to increase the income of farmer, due to rain faded area here has

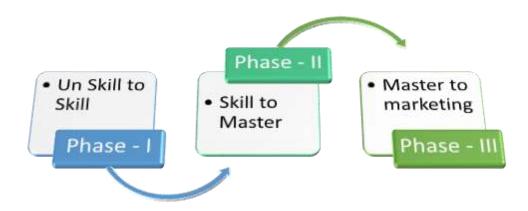
single cropping pattern practice so that very limited income of farmer.

In which, through Wadi Project intervention, we have provided 15319 Tress to 284 farmers of 26 Villages, for plantation on their own land native as well as we have introduced some other varieties like dets or others, simultaneously under this project we had organized guidance to all farmers for proper plantation and appropriates practices of care and protection.

🖶 uNNaTTi

uNNaTTi is very unique project for women empowerment it is three years project , in last 5 to 6 years we have given various skills training to 1140 women of 25 nearby villages many of them having good income, now time to come to enhance them and given advance skill to survive in this competition era, we have launched project uNNaTTi for end-to-end support to skilled women provide them master trailing, as well linkage with different government scheme and provide them marketing platform for sustainable income generation, end of the project we will make women federation and register producer company for batter work in structural way,





producer company is membership-based members have to pay fees Rs. 500/- which is non-refundable so that certain fund will be generate for company.

Kaushalya Vardhan



Income generation is major part of livelihood therefore we are focusing on marketing part also, we have tried to provided marketing platform to women, who have own production, we are approaching government craft mela, inside the company premises and tread fair organized by NGOs, we support and promote them to sale their item and earn money, every year on the occasion of Diwali, Rakhi etc, we provide them space inside the company premises, we

have set up selling counter six time during last year and they have earned good amount.

Skill Trailing: In the last financial year, we have organised four training session for women groups various type training we have provide to women e.g. Tailoring and Jewellery making, 101 women's was trained and distributed certificates to them hence they can take loan for small enterprise from bank and apply to take benefits of Government scheme.

Under our kaushaly Vardhan program - stitching class women's trainee had prepared 200 flag and they have used those flags for own home, and they all have expressed those passion of patriotism. As well women have stitched 31 uniforms of udAAn project girls and earned good amount.



Infrastructure Development

🖊 Tin-shed at Primary school Argama

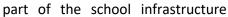
Installation of Tin-shed at Argama Primary School as part of the school infrastructure Development, more than 200 students are taking primary education from there,

The school has good infrastructure, but they have not enough space for assembly and other general program, as per school authority request and need we have built up 2100 Sg.mt Tin-Shed for malty purpose work.

Tin-shed Village panchayat and PHC -Derol

Government have established Public Health Centre (PHC) at Derol village, PHC serve 5 nearby village community, PHC give best health services to community and Grasim - CSR always support to Government machinery for plus-polio program, vaccination drive, malnourish issue, health awareness program etc.

In which, PHC have good OPD service for community but there was not any good seating facility for patients, therefore, we had installed Tin-shed for multipurpose use, after this initiative they are able to organize many programs very comfortably, Government health department - THO and other community leaders has appreciated our work.









Cloth washing platform



model village.

We are working with 25 nearby villages, we have been started our journey from common village to Model villages, hence we are focusing on model village indicators, Infrastructure is one of the major and strong indicators for model village, we have constructed clothes washing platform in Vorasamni village, rural infrastructure development is steppingstones towards developing villages into

In addition, we have added one more feather into village facility particularly women are very happy of this basic facility because in village each household have not such separate cloth washing facility, in village most people were usually use common place for cloth washing like pond , well etc, however conversation with village women group, the words from their mouth, thanks to Grasim it is very essential facility for us because now onwards we will protect from hit, cold and rain, it is positive effect on our health, we remember due to the slip of leg in pond and one lady was die because water was deep, so we will be protecting from such incident.

Pond Development

We have taken initiative of project jAL it is three years project, under this project we will going to enhance water holding capacity of pond and stop soil erosion of body wall, Bal Vatika, safety railing works, plantation, path way, Gajibo, and other beautification etc work covered under this project.

🖊 🛛 Railing work on Bhukhi river bridge at Vilayat

Safety railing work completed on Bhukhi river bridge, now we can able to stop accident through



per discussion with villagers they have observed approximately been pass through animals have pass

more than 450 to 500 vehicles has on the bridge per day. Though, all

through only on this bridge for grassing purpose, even all farmers are using this bridge to reach on farming activities.

After

Trench development

last ten (10) years trench has not cleaned by village panchayat due to fund constrain, trench with full of unwonted vegetation so water cannot move easily to reach at village pond so that after rain season pond have not enough water, However, under project jAL, we have taken initiative and cleaned long trench area, due to cleaned the trench water logging issue was resolved, it was positive impact on cultivation process of farmer as well good quantum of water storage in village pond.



Till long time Water logging issue have been at Sarnar village, we have given appropriate support and resolved the issue, we have provided them big size 4 pipes each one of 20 fts. connected all pipes with main drainage, as on date issue has been resolved, panchayat body appreciated such kind of quick response by Grasim CSR team.

🜲 RO plant

Ashmita Vikas Kendra take care of 125 special children at Tralsa they have not proper drinking water facility hence we had provided RO plant to stay them healthy and protect them from water bond disease.

RO plant installed at Ashmita Vikas Kendra – Tralsa, with the capacity of 300 LPH, for special children,



125 children & staff will get benefits of pure and healthy water.

Social causes

</u> uJAAS

Grasim Industries Ltd. under Project ujAAS. Street light facility has been provided to Ankot and Chuda village under the CSR activity.

we have installed 300 LED street light, 1 high mast & 11 solar street light under the corporate office guidance. Project ujAAs has been implemented in Chuda Village more than 12000 town people will get the benefits of the project. Project inaugurated by sh.Kiritsinh Rana- Cabinet minister Forest & environment etc. more than 650 villagers were witness of the program.



Ankot village has a population of around 750, according to Sarpanch Shri, despite many years of independence, our village did not have streetlights due to which many accidents have happened in the village which have been very damaging.

"Azadi Ka Amrit" celebrated by country, Grasim Industries Ltd. The has provided streetlights to the village as a precious gift of Azadi ka Amrit festival, a set of 40 LED lights was presented to the

Gram Panchayat along with a stand, Due to which the entire village will now be illuminated, and the citizens of the village will no longer have to face the untoward incident due to darkness.

In addition, village sarpanch, panchayat members and villagers were present in the program and expressed their gratitude to Grasim Industries Ltd.

Garbage collection

We have taken unique initiative for garbage collection from Dayadra village in association with District Rural Development Agency, Bharuch (DRDA) and Village panchayat under Project "Niramal".

Under project Nirmal we have provided garbage collection bags, Mask, hand globes with awareness pamphlet to each and every household. However, provided Electric Vehicle by Grasim to village panchayat



for door-to-door garbage collection, village panchayat has taken responsibility to operate and maintains of EV, in which village panchayat will give those 100% to stop single use plastic.

In addition, DRDA have principally approved garbage segregation Tin-shed but due to budget constrain it shall sanction in next financial year.

Massive Plantation



On the occasion of Gandhi Jayanti, we have taken different initiative of massive plantation at Vilayat. Every year we had organized Swachta Abhayan in nearby villages but this year, we had to done something unique, Green planet is prime responsibility of every citizen of country in this regards we had plan of massive plantation. We had planted 1740 sapling within 8.43 minutes to make

this project success we have invited students, nearby villagers, RFO – Bharuch, Employees of company, SHG members and village panchayat members those all are actively participated. Each and every people who are present at the time of program they all have contributed for plantation.

Indeed, it was record in Bharuch district nobody has such massive plantation in 8.43 minutes.

Grasim Van

We have not planet – "B", so every citizen duty to extend and protect our environment, we have design "GRASIM VAN" concept for plantation with all hand holding support. We have identified public land at Vilayat village and got 2 acer land acquired on lease base from GIDC.

We adopted two methods of plantation respectively conventional and Miyawaki and planted 64000 saplings with proper care and protection. In conventional method planted 22 native spices while in Miyawanki methods 80 different varieties have been planted, for irrigation purpose we have installed solar system, therefore we are not using electricity for irrigation purpose, using unconventional sources, as well instead of flood irrigation we have taken drip irrigation and sprinkler methods, hence, we can be able to save lots of water end of the project.



4 Disaster Respond

At Sarnar village is situated be site the Grasim plant, all of sudden big fire shaped in open area and it was spread toward residential, on time our fire tender had reported and taken quick action to stop fire, after team efforts finally fire was controlled, but one household was affected and lost their assets, all family members were securely shifted on safe place, we had provided them food as well ration kits



with immediate effects. Grasim Fire team done excellent work to control fire and save many life.

Others

W Topic : Maximization of CSR Role of NGOs in Contributing to the Impact Spending.

Narmada college, Bharuch has been organized penal discussion on "How to maximize Collective Contribution for Community Sustainability Role of NGOs and Corporates" & "Drawing out Futuristic Agenda for Optimizing Contribution of NGOs and Corporates Towards Building a Sustainable Community"

I had invited by Narmada college as panelist, i have been contribute to make healthy & fruitful discussion as well to make road map., around 10 corporate & 12 NGOs participated in the program

MMJC – Impact assessment

Corporate CSR team decided for Impact assessment of Grasim, Vilayat – CSR project M/s. MMJC team visited from 15th June to 22nd June 2022 for Impact assessment purpose of CSR project. each beneficiary's door step visit has been taken by MMJC team, as well Group meeting



with different project beneficiaries on common place in presence of village panchayat body and discussed with them how each project impact on their life. We got very positive feedback from the team of MMJC they have appreciated our all CSR initiatives.

4 Awards presentation

It was very proud moment to be represent entire Grasim CSR work for planet award in front of Jury - Smt. Rajshree, Mr. Govind Iyer, Mr.Hari Memon, Dr.Natasha Patel,Sh.Askaran Agarwal & Dr.Pragnya Ram.

We have prepared entire Grasim CSR work short film of 5min. & 8.min. and try to cover CSR projects/program of

entire Grasim unit of PAN India. The film is focusing on this year award theme "Water conservation outside fence"

4 Environment day celebration & Yoga days celebration.

Every year it is our practice, we had celebrated many days from entire year for awareness purpose, organised painting competition and talks etc.

Lap-Top provided to students.

It is digital era, we have provided 7no's Used lap-top to primary school children and 3 no's Used Lap-Top to secondary school students for better digital learning, basically purpose was they all are familiar with the technology and learn something more.

Most senior leaders participated and visited CSR project/program











Appreciation

Honorable District Collector appreciated

Indeed, its proud moments for all employees of Grasim - Vilayat unit as on the occasion of 75th Independence Day of District Administration felicitated Grasim – Vilayat CSR work for outstanding contribution in the socio-economic development of women and Community Health through our projects.





Special thanks to all leaders like Shri Ashish Garg, Shri Rakesh Chokshi, Shri Himanshu Shukla, Shri Vivek Bhide, Shri Karna Mistry, Shri Atul Sahu, shri Manish Shitut and Sh. Satish Bhuvir for supporting and standing with us, providing motivation, guidance, valuable inputs always.

Appreciation from different stakeholders

Appreciated our CSR project by Schools, Village panchayat, Forest department, DRDA, DIC, Police department, local leaders, politician, local groups, education institutes, BDMA form etc,



Grasim CSR projects appreciated in 1st CSR National conclave at Bharuch organised by BDMAin presence of MLA,DM and other corporates members



Munshi Manubarwala Trust – Bharuch it is very education institute in Bharuch they appreciated and give honour for social work



Awarded by sh. Purnesh Modi – Cabinet minister in presence of MLA, MP and other well-known leaders of Bharuch district

Press release

Thanks to all print and electronic media who have coverage most of CSR projects throughout the years.



Annexure - C

GRASIM CELLULOSIC DIVISION

111

A Report on World Environment Day 2023

DITYA BIRLA





Grasim Cellulosic Division, Vilayat Date : - 05th June 2023

Theme : Solution to Plastic Pollution

World Environment Day 2023 is hosted by **Côte d'Ivoire** and supported by the **Netherlands** and the theme will focus on solutions to **Plastic Pollution** under the campaign **#BeatPlasticPollution**.



Grand Celebration

Theme 2023 : Solution to Plastic Pollution



Cordially invite you to celebrate the World Environment Day, We need your whole hearted participation in the following planned activities and making the event successful.

Date of Celebration : 05th June 2023 (Monday) Venue : Admin Block, 1st floor Training hall

List of Activities

09:00 AM - 09:15AM : Awareness - World Environment Day Theme 2023 09:15 AM - 09:25AM: Unit Head Address

09:30AM - 09:40AM : HR Head Address

09:40 PM - 10:15AM : Plantation outer lawn area of Admin block

Winner Announcement & Prize Distributions :

03:30 PM – 04 :30 PM : Admin block 1st floor

Please make DIY using available plastic scrap items in the plant or at home and will be demonstrate at the open area of admin block 1st floor.

- Max Team members for the DIY Competition will be 03.
- Please submit poster to Environment Team before 03rd June 2023.

27th May 2023 to 3rd Jun 2023

> DIY Model Competition (For All Employees)

Theme : DIY for Reusing Plastic

For DIY Competition 1st Prize : 1500/-2nd Prize : 1200/-3rd Prize : 1000/- 27th May 2022 to 03rd June 2023 <u>Poster Competition</u>

Theme : Beat Plastic Pollution For all employees & Family members

Category for Poster Competition

- 1. Children (below 10 years)
- 2. Children (11 -18 years)
- 3. Adults/Spouse
- 4. Employees

Online Quiz (Management + Staff)

Quiz will be open on 03^{rd} June 2023 at 07:00AM and will be close 05^{th} June 2023 at 11:00AM

> Exciting prize for all Participants



Message from Unit Head



Dear All,

Greetings on World Environment day !

Plastic pollution has become an urgent environmental challenge affecting our planet, with severe consequences for ecosystems, wildlife, and human health. As a responsible and forward-thinking organization, I believe it is our duty to actively contribute to finding sustainable solutions to this problem.

With that in mind, I would like to propose the implementation of a comprehensive strategy to tackle plastic pollution within our unit. This strategy would aim to reduce our overall plastic consumption, promote recycling and waste management practices, and explore alternative eco-friendly materials where feasible.

By adopting these measures, we can play a significant role in mitigating plastic pollution, reduce our environmental footprint, and set an example for other units within our organization.

I kindly request your support and guidance in implementing this strategy. Together, we can contribute to a cleaner and more sustainable future for our organization and the communities we serve.

Thank you for your attention to this matter.

Ashish Garg Grasim Cellulosic Division, Vilayat





Glimpses of Poster Competition







Glimpses of Model Competition





ADITYA BIRLA

GRASIM

Safety Department

Instrument Department



Awareness Rally under the Campaign "Mission Life for Environment"







Plantation – 1000 Trees in the Premises

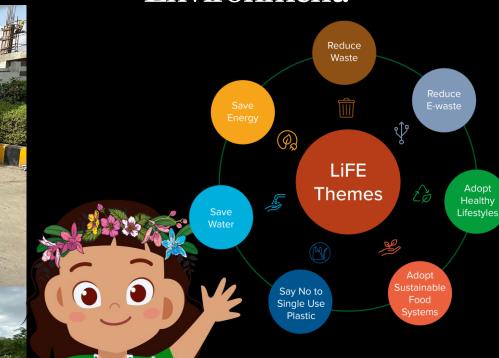






Environment Awareness Campaign by Vilayat Industrial Association together with GPCB, under the Mission Life for Environment.













Thank You!!

I pledge to make all possible changes in my daily life to protect the environment. I also commit to continuously motivate my family, friends and others about the importance of environmentally friendly habits.