ADITYA BIRLA

GRASIM

Date: 23/05/2024

To,

The Director,
Ministry of Environment, Forests & Climate Change,
Regional Office,
Kendriya Sadana, 4th Floor, E & F Wings,
7th Main Road, II Block, Koramangala,
Bengaluru- 560034.

Sub.: Submission of **Half-Yearly Compliance Report** for the period from **October- 2023 to March-2024 by M/s. Grasim Industries Ltd.,** Kumarapatnam, Ranebennur, Haveri, Karnataka.

Ref.: 1. EC Letter No.: -11011/371/2006-IA.II(I) dated 08.11.2007 & amended on 30.12.2013.
2. EC Letter No.: -11011/371/2006-IA.II(I) dated 13.08.2019.

Sir,

This has reference to above subject and EC Letter No. cited above, we hereby submit the **Half Yearly Compliance Report for the period from October-2023 to March-2024** of Conditions stipulated in Environment Clearance letter issued by MoEF, New Delhi for Expansion of Viscose Staple Fibre (51,100 TPA to 87,600 TPA) & Captive Power Plant (10 MW to 20 MW) with reference to EC letter No. **11011/371/2006-IA.II(I) dated 08.11.2007 & amended on 30.12.2013.**

Expansion of Viscose Staple Fibre Plant from 87,600 TPA to 1,75,200 TPA, Pulp plant from 74,400 TPA to 1,48,800 TPA, Captive Power Plant from 20 MW to 50 MW and setting up Excel Fibre Plant of capacity 36,500 TPA with reference to EC letter No. **11011/371/2006-IA.II(I) dated 13.08.2019.** at Kumarapatnam, Ranebennur, Haveri, Karnataka by Grasim Industries Ltd.

We hope you will find our reply in order

Thanking you with regards,

Yours Faithfully,
M/s. Grasim Industries Ltd.

Ajay Kumar

Ajay Kumar Gupta
Sr. President & Unit Head

Enc.: Half Yearly Compliance Report (October-2023 to March-2024)

Birla Cellulose
Fibres from Nature

Grasim Industries Limited
Units : Harihar Polyfibers & Grasilene Division
Kumarapatnam 581 123, Dist. Haveri, Karnataka.
T : +91 836 2482000 / +91 8373 242171 To 75 / +91 8192 247550 To 54 | F : +91 8373 242875 / +91 8192 247555
W : www.grasim.com | E : grasimharihar@adityabirla.com | CIN : L17124MP1947PLC000410
Regd. Office : P.O. Birlagram, Nagda 456 331 (M.P.)

SIX MONTHLY COMPLIANCE REPORT

(October, 2023 to March, 2024)

AS PER CONDITIONS STIPULATED IN THE ENVIRONMENTAL CLEARANCE

MoEF Letter No. J-11011/371/2006-IA.II(I) dated : 08.11.2007, amended 30.12.2013 & 13.08.2019

FOR

Expansion of Viscose Staple Fibre Plant from 87,600 to 1,75,200 TPA, Pulp Plant from 74,400 to 1,48,800 TPA, Captive Power Plant from 20 to 50 MW and Setting up Excel Fibre Plant of Capacity 36500 TPA

At

Kumarapatnam, Ranebennur, Haveri, Karnataka

SUBMITTED BY

M/s. Grasim Industries Ltd.

Kumarapatnam Grasileve Division
Kumarapatnam - 581123
Ranebennur, Haveri, Karnataka

PREPARED BY

J.M. EnviroNet (P) Ltd.

Emaar Digital Greens, Tower – B, Unit No. 1517,
Golf Course Ext. Road, Sector – 61,
Gurugram (Haryana) – 122 011

CONTENTS

Name of the Project	**:**	**Expansion of VISCOSE STAPLE fibre plant from 87,600 to 1,75,200 TPA, pulp plant from 74,400 to 1,48,800 TPA, captive power plant from 20 to 50 MW and setting up excel fibre plant of capacity 36500 TPA at Kumarapatnam, Ranebennur, Haveri, Karnataka by M/s Grasim Industries Ltd.**
Clearance letter No. & date	**:**	**MoEF Letter No. J-11011/371/2006-IA.II(I) dated : 08.11.2007, amended 30.12.2013 & 13.08.2019**
Address for Correspondence	**:**	**Grasim Industries Limited : Kumarapatnam Harihar Polyfibers and Grasilene Division Kumarapatnam - 581123 Ranebennur, Haveri, Karnataka**
Date of commencement	**:**	**May 2011**
Date of completion (actual &/or planned)	**:**	**Trial commenced from October 2012**
Production details from Oct-23 to Mar-24	:	**Rayon Grade Pulp: 36750.32 MT Viscose Staple Fiber: 45455.24 MT Sulphuric Acid: 35667.00 MT Carbon Di-Sulphide: 7023.74 MT By-product Sodium Sulphate: 30669.66 MT**

<table>
<tr><th>Sl.No.</th><th>EC Condition</th><th>Status</th></tr>
<tr><td colspan="3">A. Specific Condition</td></tr>
<tr><td>i.</td><td>The process emissions in the form of SO_2 from the acid plant shall be scrubbed by caustic or wet scrubber. Electrostatic Precipitators (ESPs) shall be provided to power plant boiler to control particulate matter. Double conversion Double Absorption (DCDA) system in H2SO4 production area, 3-stage condensing system for recovery of CS2, Klaus Kiln Sulphur recovery system to recover
Sulphur from CS2 plant tail gases etc. shall be provided. Vents from scrubbers and condensers shall be periodically monitored and maintained as per the best practicable technology.</td><td>The process emissions in the form of SO_2 from the acid plant are being scrubbed by wet scrubber. Electrostatic Precipitators (ESPs) are being installed at power plant boiler to control particulate emission.
Sulphuric Acid is manufactured by Double Conversion Double Absorption (DCDA) process by burning sulphur in air to form sulphur dioxide, which is then catalytically converted to sulphur trioxide and absorbed in sulphuric acid in Absorption Towers to get sulphuric acid.
Klaus Kiln Sulphur recovery system to recover Sulphur from CS2 plant tail gases etc. are being provided.
Vents from scrubbers and condensers are being periodically monitored and maintained as per the best practicable technology.
<table>
<tr><th>S. No.</th><th>Unit/plant facility</th><th>Section</th><th>Air Pollution Control Equipment</th></tr>
<tr><td>1.</td><td>VSF Plant</td><td>Spinning</td><td>• CS2 recovery system
• Exhaust system to maintain clean working environment</td></tr>
<tr><td></td><td></td><td>Carbon disulphide plant</td><td>• Klaus Kiln Plant for sulphur recovery Scrubber</td></tr>
<tr><td></td><td></td><td>Sulphuric Acid Plant</td><td>• Mist Eliminator / Demister Scrubber</td></tr>
<tr><td>2.</td><td>Captive Power Plant</td><td>Boiler</td><td>• Electrostatic Precipitator with Epic-III controls</td></tr>
</table>
</td></tr>
</table>

Sl.No.	EC Condition	Status
		
	Sulphuric Acid Plant Stack with Alkali Scrubber & Demister to reduce SO2 emissions and sulphuric acid mist respectively.	CFBC boiler with 110 m chimney and advanced ESP
ii.	The technology employed shall achieve standards notified by the Ministry for the Rayon Industry vide Gazette Notification No. 195 dated 16th October, 2006 regarding ambient air quality and stack emission norms for CS_2 and H_2S. Further efforts shall be made to bring down CS_2 levels. CS_2 storage tanks shall be provided with water dyke and sprinkling arrangements. The company shall monitor CS_2 and H_2S regularly and data on the emission levels shall be submitted to the Ministry and its Regional Office at Bangalore, KSPCB and CPCB. Provision shall be made for retrofitting additional equipment if necessary.	The technology employed is sufficient to achieve standards notified by the Ministry regarding ambient air quality and stack emission norms for CS_2 and H_2S. Regular monitoring is being carried out and monitoring data is submitted to concerned authorities on regular basis. The ambient air quality results are enclosed as **Annexure 1**. **Efforts made to bring down CS2 levels:** • Line 1 & 2 machines CS2 recovery troughs have been replaced with new FRP trough. • Line 1 & 2 conventional cutters are replaced with Chinese cutters. • Line 3 CS2 recovery trough, SS 904L has been replaced with astrolite recovery trough. • Line 3 CS2 vapour scrubber and condenser system modified to improve the CS2 Recovery. • Line 1,2 &3 provided with acrylic sheet shutters on machine to minimize the CS2 entry into atmosphere. • CS_2 storage tanks are provided with water dyke and sprinkling arrangements. • Provisions are being made for retrofitting additional equipment as when required. • Optimized the addition of CS2 in the process by modifying process retention time and upgrading the technology. • Installed higher capacity process Chilled water Pump for improving CS2 recovery.

Sl. No.	EC Condition	Status
iii.	The industry shall measure ambient air quality for CS_2 and H_2S at the 3 ambient air quality monitoring stations set up in consultation with the KSPCB to ensure CS_2 and H_2S not to exceed 100 µg/m³ ad 150 µg/m³ respectively.	Grasim has already set up 3 ambient air quality monitoring stations in consultation with the KSPCB. CS2 and H2S being monitored as per the AAQM Guidelines. The monitored values are well within the prescribed standards at all times. Industry has also installed continuous online AAQM stations at all the three locations. The ambient air quality results are enclosed as **Annexure 1.**
	 **AAQM Station at ETP**	 **AAQM Station at Intake-well**
	 **AAQM Station at Guest House**	 **Continuous Display of Air Quality Data at Factory Main Gate**
iv.	The water requirement from River Thunga bhadra after expansion shall not exceed 18,670 m³/day. Prior permission for the draw of 18,670 m³/day water from Tungabhadra river shall be obtained from the concerned Department. The quantity of wastewater shall not exceed 61.2 m³/Ton of product as proposed for the expansion plant. Sodium sulphate recovery shall be increased from 71.4% to 89% in the proposed expansion. All the wastewater shall be treated in effluent treatment plant (ETP) having primary and secondary treatment facilities and treated waste water shall be discharged into river only after meeting the standards prescribed by the KSPCB or under EPA whichever are more stringent.	• The water requirement from River Tungabhadra after expansion does not exceed 18,670 m³/day and Prior permission for water withdrawal has been obtained from concern authority. • The quantity of wastewater shall not exceed 61.2 m³/Ton of product as proposed for the expansion plant and maintaining less than 47.13 m3 /Ton of Product. • Overall Na2SO4 recovery is achieved 91.13 % and efforts are being made for further recovery. • The wastewater is being treated in effluent treatment plant (ETP) having primary and secondary treatment facilities and treated waste water is being discharged into river only after meeting the standards prescribed by the KSPCB or under EPA whichever are more stringent. • Continuous online effluent analyzing device is installed at mixed effluent outlet point.

<table>
<tr><th>Sl.No.</th><th>EC Condition</th><th>Status</th></tr>
<tr><td>v.</td><td>The fly ash from power plant boilers shall be utilized as per Fly ash notification, 1999 and subsequently amended in 2003.</td><td>The fly ash from power plant boilers is being utilized as per Fly ash notification, 1999 and subsequently amended in 2003. During October-2023 to March-2024, 35355.86 MT of fly ash generated and entire quantity has been sold to brick manufacturing units.
<table>
<tr><th>Sl No</th><th>Month</th><th>Fly Ash Utilized (MT)</th><th>Bottom Ash (MT)</th></tr>
<tr><td>1.</td><td>Oct-23</td><td>4362.69</td><td>1332.53</td></tr>
<tr><td>2.</td><td>Nov-23</td><td>5357.09</td><td>941.48</td></tr>
<tr><td>3.</td><td>Dec-23</td><td>3919.51</td><td>862.30</td></tr>
<tr><td>4.</td><td>Jan-24</td><td>4625.10</td><td>1101.57</td></tr>
<tr><td>5.</td><td>Feb-24</td><td>4675.47</td><td>1141.45</td></tr>
<tr><td>6.</td><td>Mar-24</td><td>5564.81</td><td>1471.86</td></tr>
<tr><td colspan="2">Total</td><td>28504.67</td><td>6851.19</td></tr>
</table></td></tr>
<tr><td>vi.</td><td>The solid waste shall be segregated according to its calorific content and stored separately for treatment and disposal. De-ashed charcoal, churi, dried ETP sludge shall be mixed with coal and used as fuel in boilers. Used/waste oil shall be provided to registered recyclers/ reprocessors.</td><td>Solid waste is being segregated according to its calorific content and stored separately for treatment and disposal. De-ashed charcoal churi and ETP organic sludge being used in Boiler as fuel after mixing with coal.
Used oil is being sold to KSPCB authorized recycler.</td></tr>
<tr><td>vii</td><td>Green belt of adequate width and density shall be developed in 14 ha out of 41 ha project area to mitigate the effect of fugitive emissions all around the plant. The development of green belt along the boundary wall, open space and avenue roads shall be provided in consultation with the local DFO as per the CPCB guidelines.</td><td>Out of the total plant area i.e. 266 ha, 96 ha (36% of the plant area) adequate greenbelt has been developed and maintained to mitigate the effect of fugitive emissions.
Photographs showing the green belt along the boundary wall, open space and avenue roads are enclosed below which has been developed in consultation with the local DFO as per the CPCB guidelines.</td></tr>
<tr><td colspan="3">    </td></tr>
</table>









viii.	The project proponent shall comply with the environmental protection measures and safeguards recommended in EIA/EMP/Risk Analysis reports as well as the recommendations of the public hearing panel.	Grasim has complied with the environmental protection measures and safeguards recommended in EIA/EMP/Risk analysis reports as well as the recommendations of the public hearing panel.

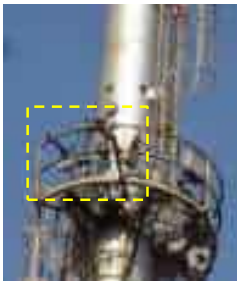
B. GENERAL CONDITIONS

Sl.No.	EC Condition	Status
i.	The project authorities must strictly adhere to the stipulations made by the Karnataka Pollution Control Board (KSPCB) and the State Government.	Grasim Industries Ltd. are adhered to the stipulations made by the Karnataka State Pollution Control Board (KSPCB) and the State Government.

Sl.No.	EC Condition	Status
ii.	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 adequacy of the conditions imposed and to add additional environmental protection measures required, if any.	Noted. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. Prior application will be submitted in the Ministry for clearance for any deviations or alterations in the project proposal.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19.05.1993 and standards prescribed from time to time. The State Board may specify more stringent standards for relevant parameters keeping in view nature of the industry and its size and location. At no time, emission levels shall go beyond prescribed standards. Continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds limit.	The Photographs of the Continuous monitoring system installed at stacks are enclosed below. Interlocking facilities is being provided so that process can be automatically stopped in case emission level exceeds limit. The online data has been transmitted to CPCB and SPCB server. The results are enclosed as **Annexure 1.**

Recovery Stack

Lime Kiln Stack



Acid Plant Stack

Power Plant Stack

Monitoring Station

<table>
<tr><th>Sl.No.</th><th>EC Condition</th><th>Status</th></tr>
<tr><td>iv.</td><td>At least three ambient air quality monitoring stations shall be established in the downward direction as well as where maximum concentration of SPM, SO2 and NOx are anticipated in consultation with the KSPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Bangalore/KSPCB and CPCB once in six months.</td><td>Grasim Industries had already established 3 ambient air quality monitoring stations in downward direction as well as where maximum concentration of SPM, SO2 and NOx are anticipated in consultation with the KSPCB.
Photographs of 3 ambient air quality monitoring stations are enclosed above. Data on ambient air quality and stack emissions is being regularly submitted to Ministry including its Regional Office at Bangalore/KSPCB and CPCB once in six months along with the EC Compliance report. Results of ambient air quality and stack emissions (Oct-2023-March-2024) are enclosed as Annexure 1.</td></tr>
<tr><td>v.</td><td>Fugitive emissions in the work zone environment shall be periodically monitored with instruments of proper range and emissions shall conform to the standards prescribed by the KSPCB. Action shall be taken to reduce fugitive emissions in the work zone environment as far as possible. Dust collectors shall be provided at transfer points to control fugitive emissions</td><td>Fugitive emission in the work zone environment monitored and the values are well within the prescribed standards. The results of Fugitive emissions in the work zone are:
(SPM in µg/m^3)
<table>
<tr><th>S. No.</th><th>Locations</th><th>Results</th></tr>
<tr><td>1.</td><td>Chipper House (Pulp Plant)</td><td>376</td></tr>
<tr><td>2.</td><td>Lime Kiln (Pulp Plant)</td><td>356</td></tr>
<tr><td>3.</td><td>ETP Lime Godown (GRD)</td><td>406</td></tr>
<tr><td>4.</td><td>Coal Storage Area</td><td>489</td></tr>
<tr><td>5.</td><td>Charcoal Storage Area</td><td>550</td></tr>
</table>
Measures taken to reduce fugitive emissions are:
• Motorised shutters are provided on machine to minimize the fugitive emissions
• Transfer of fly ash is/will be done through pneumatic conveying system & stored in closed silos.
• Wagon Tippler will be installed for unloading the coal and transferring directly into boiler, which will reduce the dust emission at shop floor.
• Covered conveyor belts are/will be used for material transfer within the plant premises.
• Regular sweeping of all the roads and floors is being / will be done with the help of vacuum sweeping machine.
• Water sprinkling is being / will be done on roads near coal and fly ash storage areas.
• Dust collectors are being provided at transfer points to control fugitive emissions.
• At Grasilene plant main gate entrance Road, Concrete Road made to minimize the fugitive emission.</td></tr>
</table>

Wagon Tippler Complex

Concreted Approach Road & covered conveyor belt

Covered Conveyor Belt

vi.	Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the KSPCB. Regular monitoring shall be carried out for relevant parameters.	3 Number of monitoring stations has been established to monitor the influent and effluent quality in consultation with the KSPCB and regular monitoring is being carried out. Photographs of effluent quality monitoring stations are enclosed below.

Online Monitoring Station at ETP outlet

Treated Effluent Quality Parameters Display

The effluent quality monitoring results are given below.

Sl. No.	Parameters	Units	KSPCB Limits	Month					
				Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
1	Total Suspended Solids	mg/l	Max 100	53.4	53.3	52.5	51.1	50.3	52.3
2	Total dissolved Solids (Inorganic)	"	Max 2100	1740.6	1767.8	1759.8	1785.0	1793.4	1758.6
3	Temperature	Deg. C	**	32.7	32.9	33.3	32.8	33.2	34.1
4	pH	-	6 to 8.5	7.1	7.3	7.4	7.3	7.3	7.3
5	Oils & Grease	mg/l	Max 10	1.7	2.1	2.0	1.6	2.0	2.0
6	BOD3 at 27 ◦C	"	Max 30	16.0	18.0	16.3	15.7	16.6	16.6

7	COD	"	Max 250	149.6	168.3	153.0	145.0	155.6	152.8
8	Mercury (as Hg)	"	Max 0.01	ND	ND	ND	ND	ND	ND
9	Hexavalent Chromium (as Cr^{+6})	"	Max 0.1	ND	ND	ND	ND	ND	ND
10	Total Chromium (as Cr)	"	Max 2.0	ND	ND	ND	ND	ND	ND
11	Zinc as (Zn)	"	Max 2.0	0.18	0.25	0.24	0.2	0.2	0.2
12	Sulphate (as SO4)	"	Max 1000	774.2	858.5	867.5	841.7	890.1	860.5
13	Phenolic compounds (as C6H5OH)	"	Max 1.0	ND	ND	ND	ND	ND	ND
14	Bioassay as per IS 6582 - 1971	% Survival	Not less than 90% of test animal shall survive in 96 hours	100	100	100	100	100	100
15	Sulphide (as S)	mg/l	Max 2.0	1.5	1.7	1.7	1.6	1.7	1.7

vii.	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be discharged into river only after meeting the standards prescribed by the KSPCB or under E(P)A, whichever are more stringent.	Industrial Waste water is being collected and treated in Effluent Treatment Plant (ETP). Effluent is being treated based on primary treatment for clarification and neutralization followed by secondary treatment designed on the principle of extended aeration activated sludge process. Treated water conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. KSPCB has given permission for discharging the treated effluent after mixing with the sewage from the plant vide their letter Consent order AW-327298 dated 07.10.2021. Discharge of effluent is less than 16840 m^3/d. The combined effluent is meeting the stipulated standards.
viii.	The project authorities must strictly comply with the rules and regulations under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000. Prior approvals of Chief Inspector of Factories, Chief Inspector of Explosives, Fire Safety Inspectorate etc. must be obtained.	Industry is complying with the rules and regulations under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 and further amendments. Approvals from Chief Inspector of Factories, Chief Inspector of Explosives, Fire & Safety Inspectorate etc. has been obtained vide letter no. MY-DWR-783, valid up to 31.12.2024. (Factory License)
ix.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2000. Authorization from the KSPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.	Grasim industries are strictly adhering to the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and further amendments. Authorization from the KSPCB has been obtained for collection, storage, treatment and disposal of hazardous wastes vide Authorization No. 329923 dated 22.02.2022 and it valid upto 30.06.2026

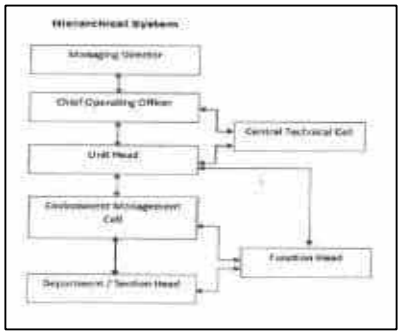
x.	The overall noise levels in and around the plant area shall be kept within the standards (85 dBA) by providing noise measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise levels in and around the plant is maintained well within the standards. Adequate equipment's including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. Equipment's are subjected to Non-Destructive Testing. The Ambient noise levels shall conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). The Noise monitoring results are as below.

Ambient Noise Level -dB (A) at different locations

Month & Year	Time	Guest House	SBM Building	Intake well	ETP Lab	Air strip
Oct-23	Day time	55	54	53	52	51
	Night time	53	52	49	48	47
Nov-23	Day time	56	53	52	53	52
	Night time	54	51	48	49	48
Dec-23	Day time	57	54	51	52	53
	Night time	54	52	49	49	48
Jan-24	Day time	58	55	52	52	51
	Night time	53	51	49	49	48
Feb-24	Day time	59	56	53	51	50
	Night time	54	52	50	50	47
Mar-24	Day time	58	57	54	52	51
	Night time	54	53	51	50	48

xi.	Rainwater shall be harvested to conserve the fresh water and recharge the ground water and an action plan shall be submitted to the Ministry.	Rainwater harvesting structures are being constructed to channelize the rainwater flow from rooftops, paved and cemented area within premises and being stored in Water Reservoir 1, Unit has constructed two water reservoir to store River Runoff water and rain harvesting purpose (Rain water Collecting and reusing). Water Reservoir No.1 having storage capacity 18.0 lakh m3 with captured area 208000m2 and Water Reservoir No.2 having storage capacity 18.0 lakh m3 with captured area 2.00000 m2. Photographs of the reservoirs are as follows;

<table>
<tr><td></td><td>Reservoir 1
  </td><td>Reservoir 2
  </td></tr>
<tr><td>xii.</td><td>All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees be ensured as per the Factories Act and records maintained, specifically for those who engaged in handling hazardous substances. First aid facilities in the Occupational Health Care Centre shall be strengthened and medical records of each employee shall be maintained separately.</td><td>Industry is carrying out general medical examination of all the employees and also special tests like lung function test, Spirometry test, hearing capacity test etc. for specific employees as per the requirements and Factories Act and records are being maintained.
Specialists such as Cardiologist, Ophthalmologist, and Orthopedic Surgeons are visiting our Medical Centre minimum once in a month as Consultants and this facility is extended to all employees and their family members.</td></tr>
<tr><td></td><td colspan="2"><u>Health check up status of Employees</u>
<table>
<tr><th>Sl No.</th><th>Department</th><th>Test</th><th>No. of Employees</th><th>No. of Employees Covered</th></tr>
<tr><td>1.</td><td>Viscose</td><td>PFT</td><td>110</td><td>110</td></tr>
<tr><td>2.</td><td>Spinning</td><td>PFT</td><td>174</td><td>171</td></tr>
<tr><td>3.</td><td>CS2 / H2SO4, Elect. & Inst.</td><td>PFT</td><td>52</td><td>52</td></tr>
<tr><td>4.</td><td>Power Plant + Contractor</td><td>Audiometry & PFT</td><td>50+7</td><td>50 +7</td></tr>
<tr><td>5.</td><td>Coal Plant + Contractor</td><td>PFT</td><td>17+8</td><td>17 + 8</td></tr>
<tr><td></td><td>Total</td><td></td><td>418</td><td>415</td></tr>
</table></td></tr>
<tr><td>xiii.</td><td>A separate Environment Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.</td><td>A separate Environment Management Cell is being established which takes care of environmental management system implementation, treatment plant operations & maintenance, air & effluent analysis, environmental record management, ensuring the adherence to environmental legal requirements, audits etc.</td></tr>
</table>



Structure of EMC

Sl.No	EC Condition	Status
xiv.	All the recommendations of the Charter on the Corporate Responsibility for the Environmental protection (CREP) for the fibre plants shall be implemented.	All the recommendations made in the CREP for fiber plant had been implemented. **Annexure 3** attached as evidence.
xv.	The company must undertake socioeconomic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc. for the overall improvement of the environment.	Socio-economic developmental activities are being carried out by the Industry under Group's CSR policy. CSR activities are carried out under 5 major headings i.e. • Education, • Health, • Sustainable Livelihood, • Infrastructure Development & • Social empowerment CSR activity report along with the photographs of the beneficiaries for Oct-23 to March-24 is enclosed as **Annexure 2**

S. No	Activity Heads	Oct-23 to Mar-24
1	Educational Programme	1,17,70,802.00
2	Health Care	18,24,013.00
3	Sustainable Livelihood	17,17,235.00
4	Infrastructure Development	44,52,822.00
5	Social Development	11,77,812.00
GRAND TOTAL		2,09,42,684.00

xvi.	As proposed in EIA/EMP, Rs. 45.00 Crores and Rs. 4.50 Crores earmarked towards capital cost and recurring cost/annum for pollution control measures shall be used exclusively to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. A time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Bangalore. The funds shall not be diverted for any other purposes.	Out of the total project cost i.e. Rs. 45.00 Crores, Grasim Industries has earmarked Rs. 4.50 Crores for the environmental pollution control measures. As proposed requisite fund earmarked for environment protection is not diverted to any other purpose. A time bound implementation schedule for implementing all the conditions stipulated herein are being submitted to the Ministry's Regional Office at Bangalore. For Grasilene Division ETP operation air pollution control equipment operation spent Rs.4.55 Crore for the Period Oct-2023 to March-2024 and detail expenditure list enclosed as **ANNEXURE-VI.**
xvii.	The regional Office of this Ministry at Bangalore/CPCB/KSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted regularly	Grasim Industries is regularly submitting the six monthly compliance reports and the monitored data along with statistical interpretation to the concerned authorities.
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 KSPCB/Committee and may also be seen at Website of the Ministry of Environment and Forests 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 news papers that are widely circulated in the region of which one shall be in the vernacular language of the locally concerned and a copy of the same should be forwarded to the Regional office at Bangalore.	The Industry had advertised in two local news papers (One in English and one in vernaculars) regarding the accordance of Environmental Clearance by the MoEF. The advertisement appeared in "Deccan Herald", English paper dated 15.11.2007 & "Prajavani" Kannada paper dated 14.11.2007.
xix.	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 commencing the land development work.	The same has been informed to the concerned authorities.

Conditions issued in the Amended EC vide letter No. MoEF Letter No. J-11011/371/2006-IA.II(I) amended on 30.12.2013.		
Sl.No.	**EC Condition**	**Status**
3.0	The Ministry accepts the recommendation of the Expert Appraisal Committee (industry) for amendment in the existing environmental clearance subject to compliance of following additional specific conditions:	
i	Zinc bearing effluent shall be segregated from the industrial effluent and treated in ETP. Treated effluent shall conform to the standards prescribed for the effluent discharge. Necessary permission may be obtained from the KSPCB.	Provided separate stream drain for the zinc bearing effluent and treated in Zinc clarifier provided at ETP.
ii	Treated effluent shall be passed through guard pond. Online continuous monitoring system viz. pH meter, TOC analyser and flow meter as well as monitoring facility for relevant pollutants (i.e. Zinc) shall be installed to monitor the treated water quality	The treated effluent is passed through guard pond . Online continuous monitoring system for pH , BOD, COD, TSS & flow is installed and data's are being connected to CPCB & KSPCB server . Also TOC analyzer installed.
iii	Process effluent / any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Separate drains provided for process effluent and storm water. Storm water drain is passing through the guard pond.
iv	As proposed Zinc bearing sludge shall be sent to Cement plant	Zinc bearing sludge is being sent to cement bricks manufacturing units.
4.0	All the other conditions will remain unchanged	Acceptable
5.0	You are requested to keep this letter with the Environmental Clearance accorded vide letter No. J-11011/371/2006-IA II (I) dated 8th November, 2007.	Acceptable

Point Wise Reply on Expansion EC Dated 13.Aug.2019		
Sl.No.	**EC Condition**	**Status**
C. Specific Condition		
i.	Environment Clearance shall be subject to obtaining prior environment clearance from the wildlife angle including clearance from the standing committee of the National Board for wild life, as applicable.	Clearance certificate issued by Principal Chief Conservator of Forests (Wildlife) &Chief Wildlife Warden,Bengaluru. Vide Letter No. PCCF/WLD/CR-07/2018-19. Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden,Bengaluru has issued the revised wildlife conservation plan on 29.10.2022.
ii.	Consent to Establish/Operate for the Project shall be obtained from the state pollution control board as required under the Air (Prevention and control of pollution) Act, 1981 and the Water (Prevention and control of Pollution) Act,1974	Necessary Consents has been obtained from KPCB under the Air (Prevention and control of pollution) Act, 1981 and the Water (Prevention and control of Pollution) Act,1974. The Copy of Consent to operate is enclosed as **ANNEXURE Viii**
iii.	The treated effluent of 72466 cum/day shall conform to the standard prescribed under the Environment Protection Rules,1986, for discharge into the Tungabhadra River. Necessary permission for discharge shall be obtained from the concerned Regulatory authority.	Grasim Industries Ltd. are adhered to the stipulations made by the Karnataka State Pollution Control Board (KSPCB) and the State Government under Environmental (Protection) Rules,1986 and having sufficient treatment facilities with upgraded tertiary treatment facility. obtained permission from the concerned regulatory authority for discharging the treated waste water into Tungabhadra river with quantity 49840m3/day for existing Pulp and Fibre production with additional 20 TPD Fibre and 30 TPD Pulp by debottlenecking project without increase in water consumption and discharge and 40 TPD expansion for fibre with increasing water consumption and effluent discharge for Grasilene Division. (Consent No. AW-327349 for M/s. Harihar Polyfibers and Consent No. AW-327298 for M/s. Grasilene Division)
iv.	Necessary authorization required under the Hazardous and other wastes (Management and Trans – Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the rules shall be strictly adhered to.	Necessary authorization required under the Hazardous and other wastes (Management and Trans – Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained The Copy of Consent to operate is enclosed as **ANNEXURE ix**

v.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	To control source and the fugitive emissions suitable pollution control devices are being/will be installed to meet the prescribed norms and/or the NAAQS. Pollution Control/ Mitigation measures adopted are given below. The gaseous emissions are being/ will be dispersed through stack of adequate height as per CPCB/SPCB guidelines

Emissions	Plant Unit	Pollution Control/ Mitigation measures adopted
Stack Emission		
Recovery Boiler	HPF	Electrostatic Precipitator with chimney hgt 85 Mtrs
Lime Kiln	HPF	Electrostatic Precipitator with chimney hgt 30 Mtrs
Spinning Stack	GRD	Cs2 Recovery System with chimney hgt 175 Mtrs
Sulphuric Acid Plant	GRD	Alkali Scrubber and Demister with chimney hgt 51 Mtrs
Carbon Di-Sulphide Plant	GRD	Klaus Kiln for Sulphur Recovery from CS2 plant and Alkali scrubber with chimney hgt 32 Mtrs
Power Plant Coal Fired Boiler	GRD	Electrostatic Precipitator with chimney hgt 110 Mtrs
Fugitive Emission		
	HPF & GRD	• Motorised shutters are provided on machine to minimize the fugitive emissions • Transfer of fly ash is/will be done through pneumatic conveying system & stored in closed silos.
		• Wagon Tippler system installed for unloading the coal and transferring directly into boiler, which will reduce the dust emission at shop floor. • Covered conveyor belts are/will be used for material transfer within the plant premises. • Regular sweeping of all the roads and floors is being / will be done with the help of vacuum sweeping machine. • Water sprinkling is being / will be done on roads near coal and fly ash storage areas. • On regular basis Water spraying being done on roads where the heavy vehicles movements are taking place to minimize the fugitive emission. • Dust collectors are being provided at transfer points to control fugitive emissions.

			• Powder PAC replaced with liquid PAC to avoid fugitive emission at source. • At Grasilene plant main gate entrance Road , Concrete Road made to minimize the fugitive emission .
vi.	Solvent management, if any, shall be carried out as follows company shall undertake waste minimization measures as below: - (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery. (d) Solvents shall be stored in a separate space specified with all safety measures. (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.		It is applicable to Excel Fibre plant, but we have not yet started the production of Excel fibre. Once we start the installation & operation of the activity then we would comply with the condition.
Vii	Total fresh water requirement shall not exceed 87,480 m3 /day proposed to be met from Tungabhadra River. Prior permission in this regard shall be obtained from the concerned regulatory authority.		The Total fresh water requirement shall not exceed 87,480 m3 /day and will be met from Tungabhadra River. The copy of water permission is enclosed as **Annexure X**
Viii	Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purposes. In any case, no ground water shall be used for the plant.		Rainwater harvesting structures are being constructed to channelize the rainwater flow from rooftops, paved and cemented area within premises. The Facility available can collect & use rain water from about 4,08,000 m² area. The industry has constructed two reservoirs of capacity 18 Lakh m3 and 16 lakh m3 respectively to harvest and store the rain water and excess runoff water from Tungabhadra River during monsoon season, thereby facilitating groundwater recharge. Industry is not using ground water for plant operations. Photographs of the reservoirs are as follows;
	Reservoir 1 		**Reservoir 2** 

ix	The storm water from the premises shall be collected and discharged through a separate conveyance system.	The storm water from the premises is being collected and storm water drains is being/ will be taken to the storage ponds/recharge pits.
	Storm water drain 	**Storm water drain** 
x	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	The details of Hazardous chemicals storage are given below. Flame arresters are provided tank farm and the solvent transfer through pumps

UNIT	CHEMICALS	FORM OF MATERIAL SOLID/LIQUID/GAS)	NATURE OF MATERIAL (CORROSIVE/FLAMMABLE ETC.)	TYPE OF STORAGE
HPF	Chlorine	Gas	Flammable	Shed
	Sulphur Di-oxide	Gas	Corrosive	Shed
	Sodium Chlorate	Liquid	Flammable	Tanks with Dykes

xi	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP Sludge, process inorganic & Evaporation salt shall be disposed off to the TSDF	At Pulp unit Centric Cleaner pulp rejects generating as Organic residue and being sent Cardboard Industries and burnt in CFBC boiler along with Coal. ETP bio sludge is basically organic sludge having more than 75% organic content with Gross calorific value 2700 Kcal/Kg and being used in CFBC boiler as fuel along with Coal. Inorganic sludge being sent for Cement Bricks Manufacture.

xii	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The Company is strictly complying with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
xiii	The company shall undertake waste minimization measures as below: - 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 highpressure hoses for equipment clearing to reduce wastewater generation.	a. Industry being upgraded with best available technologies periodically to achieve the desired quantity of products with minimum raw materials. b. Industry being followed and adopted 3R method (Reduce, Recycle, Reuse). c. Wagon Tippler system installed for unloading the coal and transferring directly into boiler, which will significantly reduce the spillage of coal as well as dust emission. d. Covered conveyor belts are/will be used for material transfer within the plant premises. e. Wood Chips are being fed to the Pulp Digester through Conveyor Belt. f. Use of Close Feed system into batch reactors. g. Venting equipment through vapour recovery system.
xiv	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	This point is incorporated with EC Dated 8. Nov.2007 Point vii in Specific Conditions.
xv	At least 1.5 % of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item wise details along with time bound action plan shall be prepared and submitted to the ministry regional office.	Environmental expenditure incurred by Unit is Rs. 54.06 crore against 25.47 Crore (For the Investment Rs.108.25 Crore till date) as One-time investment for Environmental improvement Projects. The detail list of environmental project expenditure is enclosed as ANNEXURE-VII.
Xvi	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	For the DG sets, emission limits and the stack height are / will be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure is being provided to DG set for controlling the noise pollution.
xvii	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	Adequate arrangement for protection of possible fire hazards during manufacturing process in material handling is being made. • Flame arrestors are provided at various places in the system. • Sufficient number of Fire Extinguishers DCP type and CO2 type and Fire buckets are posted at many locations for fire control. Besides this, we

<table>
<tr><td></td><td></td><td>have a Fire tender of adequate capacity with our Fire Fighting Department.
• CS2 line rerouted with collection tray to avoid the leakage of CS2 and to avoid hot sources.
• Cable trays rerouted with proper dressing to avoid the contact the CS2 transfer line.
• At spinning dept. temperature and pressure transmitter installed in Exhaust duct with alarming system.
• Old FRP exhaust duct replaced with Fire retardant FRP duct with aluminium spool pieces
• Fire Hydrant Points are also located around the plant.
• Employees are regularly trained in firefighting.
• Also mock drill being done periodically.</td></tr>
<tr><td>xviii</td><td>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.</td><td>Healthy & Safe working environment for employees is the prime concern of the company. Grasim Industries Ltd. commits to create & maintain safe & healthy work environment for employees, against hazards & risks through:
• Continuously developing & maintaining safe work practices.
• Focusing on operational & occupational hazards & risks.
• Creating awareness about preventive health & safety measures. Six monthly compliance report is being/ will be submitted to concerned offices.</td></tr>
<tr><td>xix</td><td>Storage of Raw materials shall be either in silos or covered areas to prevent dust pollution and other fugitive emissions.</td><td>The storage details of the raw material is given below.</td></tr>
<tr><td></td><td colspan="2"><table>
<tr><th>Unit</th><th>Chemicals</th><th>Form of Material (Solid/Liquid/ Gas)</th><th>Type of Storage</th></tr>
<tr><td rowspan="3">Grasilene Division</td><td>Carbon Di-Sulphide</td><td>liquid</td><td>containers</td></tr>
<tr><td>Sulphuric Acid</td><td>Liquid</td><td>containers</td></tr>
<tr><td>Sodium Hydroxide</td><td>liquid</td><td>containers</td></tr>
</table></td></tr>
<tr><td>xx</td><td>Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</td><td>Online monitoring program for the existing unit has been installed and same is connected to KSPCB & CPCB server, Photographic Demonstration given in EC Dated 8. Nov.2007 Point iii in General Conditions.</td></tr>
<tr><td>xxi</td><td>The energy sources for lighting purposes shall preferably be LED based.</td><td>The energy sources for lighting purposes is LED based.</td></tr>
</table>

xxii	Transportation of raw materials/products should be carefully performed using GPS enabled vehicles	In this regard, industry has submitted the letter to MoEF & CC dated: 22.10.2019, **Annexure-IV** and requested to amend this condition, because wood is the major raw material consumed in the pulping process which comes mainly from the unorganized market. Hence it is highly difficult to ensure use of GPS enabled vehicles. In addition to that, industry is taking maximum care for safety precautions while transporting raw materials and end products so that no major damage will be caused to environment.
D. GENERAL CONDITIONS		
i	The project authorities must strictly adhere to the stipulations made by the Karnataka Pollution Control Board (KSPCB) and the State Government.	Grasim Industries Ltd. are adhered to the stipulations made by the Karnataka State Pollution Control Board (KSPCB) and the State Government.
ii	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 adequacy of the conditions imposed and to add additional environmental protection measures required, if any.	Noted. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. Prior application will be submitted in the Ministry for clearance for any deviations or alterations in the project proposal.
iii	The locations of Ambient air monitoring stations shall be decided in consultation with the state Pollution Control Board (SPCB) and it shall be ensured that atleast one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentration anticipated.	Grasim has already set up 3 ambient air quality monitoring stations in consultation with the KSPCB. CS2 and H2S being monitored as per the AAQM Guidelines. The monitored values are well within the prescribed standards at all times. Industry has also installed continuous online AAQM stations at all the three locations. The ambient air quality results are enclosed as **Annexure 1.**
	 **AAQM Station at ETP**	 **AAQM Station at Intake-well**

	 **AAQM Station at Guest House**	 **Continuous Display of Air Quality Data at Factory**
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.No. 826(E) dated 16th November,2009 shall be complied with.	The NAAQS are being compiled with. Results of AAQ Monitoring are given in Condition no. 3 The ambient air quality results are enclosed as **Annexure 1.**
v	The Overall Noise level in and around the plant area shall be kept well within the standards by providing noise control measure including acoustic hoods,silencers,enclosures etc. on all sources of noise generation .The ambient noise levels shall confirm to the standards prescribed under the enviroment(Protection)Act,1986 and the Rules made thereunder.	The overall noise levels in and around the plant is maintained well within the standards. Adequate equipment's including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. Equipment's are subjected to Nondestructive Testing. The Ambient noise levels shall conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). The Noise monitoring results are incorporated in point (X) General Condition EC Dated: 08.11.2007
vi	The Company shall harvest rainwater from the roof tops of the buildings and strom water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Rainwater harvesting structures are being constructed to channelize the rainwater flow from rooftops, paved and cemented area within premises. The Facility available can collect & use rain water from about 4,08,000 m² area.
vii	Training shall be imparted to all employees on safety and health aspects of chemical handling,Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.Training to all Employees on handling of chemicals shall be imparted.	Grasim industries provided training to all employees on safety and health aspects of chemical handling also Industry is carrying out general medical examination of all the employees and also special tests like lung function test, Spirometry test, hearing capacity test etc. for specific employees as per the requirements and Factories Act and records are being maintained. Specialists such as Cardiologist, Ophthalmologist, and Orthopaedic Surgeons are visiting our Medical centre minimum once in a month as Consultants and this facility is extended to all employees and their family members.

Health check-up status of Employees (Harihar Polyfibers)

Sl No.	Department	Test	No. of Employees	No. of Employees Covered
1.	Boiler House + Contractor	Audiometry & PFT	29	29
2.	Chipper House + Contractor	Audiometry & PFT	38+12	38 + 12
3.	Recovery + Contractor	Audiometry & PFT	55	54
4.	Rec maint/Chipper Maint + Contractor	Audiometry & PFT	31+15	29 +15
5.	ETP (Biogas) + Contractor	PFT	4+3	4 + 3
	Total		187	184

viii.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management's mitigation measures and public hearing shall be implemented.	Complied
ix.	The Company shall undertake all measures for improving socio-economic conditions of the surrounding area.CER activities shall be undertaken by involving local villagers, administration and other stack holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.	Socio-economic developmental activities are being carried out by the Industry under Group's CSR policy. CSR activities are carried out under 5 major headings i.e. • Education, • Health, • Sustainable Livelihood, • Infrastructure Development & • Social empowerment CSR activity report along with the photographs of the beneficiaries for October-23 to March-2024 is enclosed as **Annexure 2**
x.	A separate Environmental Management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Separate environmental cell has been developed having a team of qualified personnel. Also external NABL Accredited Environment Laboratory equipped with us as AMC.

xi.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and climate change 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.	As a recurring cost Unit has spent Rs.7.58 Crore for Pulp Plant ETP including color removal plant & Biogas plant expenses & air pollution control equipment operation for the Period Oct-2023 to March-2024 and the detail expenditure list enclosed as **ANNEXURE-V.** For Fiber Plant ETP operation air pollution control equipment operation spent Rs.4.55 Crore for the Period Oct-2023 to March-2024 and detail expenditure list enclosed as **ANNEXURE-VI.**
xii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation ,Urban local body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Submitted letter to all the concerned and taken the Acknowledgement.
xiii.	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 by as e-mail) to the respective Regional Office of MoEF &CC. The respective Zonal office of CPCB and SPCB.A copy of Environmental clearance and six monthly compliance status report shall be posted on the website of the company.	Grasim Industries is regularly submitting the six-monthly compliance reports and the monitored data along with statistical interpretation to the concerned authorities.
xiv.	The Environmental statement for each financial year ending 31st March in form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment Protection) Rules,1986, as amended subsequently, shall also be put on the website of the company along with the status of compilance of environmental clearance conditions and shall alsobe sent to the respective regional offices of MoEF & CC by e-mail.	Grasim Industries is regularly submitting Environmental statement for each financial year ending 31st March in form-V to the concerned authorities.
xv.	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 of http://moef.nic.in.This shall be advertised with in seven days from the date of issue of the clearance in 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.	The Industry had advertised in two local newspapers (One in English and one in vernaculars) regarding the accordance of Environmental Clearance by the MoEF. The advertisement appeared in "Deccan Herald", English paper dated 20.08.2019 & "Prajavani" Kannada paper dated 20.08.2019.

Annexure 1
Ambient Air Monitoring Results

Annexure I

AAQM Results

Particulars	CS_2	H_2S	NO_2	NO	NO_X	PM_{10}	$PM_{2.5}$	SO_2
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Location 1: ETP								
Oct-23	5.85	4.26	5.32	11.46	6.58	17.15	11.02	12.26
Nov-23	6.0	6.08	8	6	15	26.65	20.26	6.00
Dec-23	6.12	6.08	8.02	5.95	14.64	35.42	35.11	6.02
Jan-24	5.95	4.29	5.32	6.39	11.46	16.89	9.92	12.26
Feb-24	5.88	4.44	5.22	6.34	11.56	16.84	9.90	12.14
Mar-24	5.66	4.49	5.35	6.47	11.82	18.84	8.36	11.39
Location 2: Guest House								
Oct-23	5.39	4.68	8.0	10	18	38	28	5.36
Nov-23	5.40	4.63	8.0	10.1	18.0	38.01	28.01	5.66
Dec-23	5.83	5.41	7.99	10	18	38.00	28	5.54
Jan-24	5.38	4.60	8.00	10	18	38.00	28	5.36
Feb-24	5.39	4.87	8	10	17.51	38	28	5.56
Mar-24	5.34	4.85	7.96	10	17.53	38.02	28.03	5.34
Location 3: Intake Well								
Oct-23	4.27	5.32	11.46	6.56	17.15	36.54	12.26	5.92
Nov-23	4.60	5.39	11.13	6.58	17.15	26.76	30.04	6.04
Dec-23	4.47	5.23	10.94	6.18	17.12	35.69	15.39	6.60
Jan-24	4.29	5.33	11.42	6.56	17.15	36.52	12.76	5.76
Feb-24	4.28	5.31	11.39	6.42	17.81	35.59	15.96	5.54
Mar-24	4.30	5.37	11.66	6.47	18.12	35.64	18.96	5.46

Stack Results
Harihar Polyfibers:

Name of the Stack	Month	Flue gas flow (Nm3/Hr)		SPM (mg/Nm3)	
		KSPCB limit	Achieved	KSPCB limit	Achieved
Recovery Boiler	Oct-23	Max. 1,06,000	43959	Max. 150	52.93
	Nov-23		42111		47.76
	Dec-23		41444		49.45
	Jan-24		44012.5		53.09
	Feb-24		43328.5		53.79
	Mar-24		42567.5		53.70
Lime Kiln Stack	Oct-23	Max. 18,000	11499	Max. 150	40.53
	Nov-23		11293.5		40.02
	Dec-23		11220.5		44.16
	Jan-24		11550		40.64
	Feb-24		11452.65		40.66
	Mar-24		11441		40.65

Grasilene Division:

Name of the Stack	Parameter	Unit	KSPCB limit	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Spinning Stack	Rate of Emission	Nm3/Hr	375000	301061	301039	301034	287238	2821312	217144
	Particulate	mg/Nm3	150	25.32	25.26	25.41	25.39	23.77	24.00
	CS2	Kg/Ton	95	92.25	92.90	92.801	92.501	92.25	92.051
Sulphuric Acid Plant	Rate of Emission	Nm3/Hr	16,400	14225	14382	14335	14307	14254	13708
	SO2	Kg/Ton	1.0 Kg/T of 100% Acid	0.52	0.54	0.522	0.51	0.51	0.53
	H2SO4	mg/Nm3	50	25.38	25.15	25.80	25.81	25.85	26.70
Carbon Disulphide plant	Rate of Emission	Nm3/Hr	7300	--	--	--	--	--	--
Power Plant Coal fired Boiler	Rate of Emission	Nm3/Hr	366,000	282242	272870	257761	253079	241461	231854
	SPM	mg/Nm3	150	46.48	41.16	42.83	42.96	43.27	42.51

Annexure 2
CSR Report

GRASIM INDUSTRIES LIMITED – HARIHAR

Grasim Jana Seva Trust - Kumarapatnam

CSR Report FY'24

(October-2023 to March-2024)

Grasim Industries Limited Harihar, has been working with 10 villages of Ranebennur Taluk, Haveri District, for the development of village communities. The community development projects are implemented under five focus areas like Education, Health, Sustainability Livelihood, Infrastructure Development and Social Projects.

1. Education Projects

Free Notebooks to school students:

As part of CSR initiative and Education support programs, every year we have providing Free Notebooks to school students at CSR villages. This education support programs will be helpful to students and encouraging the students to continue their education.

We have Provided the 18018 Nos Notebooks to 3434 Nos Students from 1st Std. to 10th Std. total 4 Notebooks to 1st Std to 4th Std Students and 6 Notebooks to 5th Std to 10th Std students.

Total 3434 Nos students and 29 schools (Govt, Aided and Private) benefited from up and down stream villages of Nalavagala, Kodiyal, Kavalettu, Makanur, Hulikatte, Vaderayanahalli, Nadhiharalahali, Airani, Hirebidari and Konanatambigi.

School Infrastructure:

School Wooden Desk: Provided 70 nos Wooden Desks to Upstream village Govt Higher Primary Schools. The school students sitting on the floor for studying in class rooms because they are lacking in basic facility from Government.

Through this distribution, 900 students are benefited in the 7 schools.

Mattress for Govt Student Hostels:

Provided 500 nos Mattress to 5 Govt Pre-Metric Boys and Girls Hostels of Haveri District. In these Hostels backward and poor families students are styed and before providing the mattress there is no facility to sleep the all students from Government.

Total 500 nos Mattress to Govt Hostels and 500 students were benefited.

Hot Water facility to Residential School:

Under School Infrastructure support program, we have installed and provide 2000 liters capacity 2 nos Solar Water Heaters with Panel to Morarji Desai Residential School at Makanur village. In CSR village, under Backward Classes Welfare Department the Morarji Desai Residential School established in Makanur village at 2011-12 and at present 250 poor family students are studying in school. Since 2011-12, there is no Hot water system to bathing in this school building. So we have provided to facility to this school.

Total 2 nos Solar water Heater system provided and 250 students are benefited.

Construction of Dinning Hall - Support to Mid-Day Meal program

Under Education project, support to school infrastructure development projects we are construction of Dinning Hall (Mid-Day Meal Hall) in Govt Higher Primary School at Nalavagala village. Now, the building construction work in progress and we will be completed the construction next financial year and Handed over to school.

2. Health Projects:

To improve the quality of life of the people in the surrounding village, various health projects have been implemented based on the need of the community in collaboration Govt Health Department.

Rural General Health camp:

General health checkup Camps (Mobile Health Camp) are carried out with help of Grasim Jana Seva Trust hospital in all 10 villages. Common health issue cough, fever, headache, skin disease and other issues are treated and provided the free medicine to community in during this camp.

Total 9418 people are benefited from this camp.

Supported to Larva survey for Prevention of water and vector borne diseases:

Support to Larva survey and destroying of larva breeding sites activities were taken up to prevent the water and vector borne diseases with the health department in 10 CSR villages

Total 3047 people were covered in this survey.

Supported to Immunization to children:

Support to the immunization program for children at the Primary Health Centers to prevent the mortality rate among the children from the communicable diseases and anemia. Immunization is the part of the United Nations Sustainable Goal 2030.

Total 610 children are immunized in the Villages.

<u>Supported to awareness and screening program</u>:

TB, Malaria, Dengue, Personal Hygiene and HIV awareness programs and screening was done in the villages through Govt Hospital and Sub center by District Health Department.
Total 661 people got benefited.

<u>Portable Drinking Water Supply</u>: Supply of continued portable drinking water has been done for 4 nearby villages. Direct drinking water has been supplied to Nalavagala and Kodiyal Hospet village. The Drinking water at Nadhiharalahali and Airani village were supplied through the bore well and overhead tanks; in these two villages.
Total 11850 people are receiving regular drinking water.

<u>BP and sugar Screening</u>: Support to Blood Pressure and sugar screening camp were conducted in the villages in collaboration with the Primary Health Centers. Total 1584 people were referred and screened for Blood pressure and Diabetes in the villages. They were further referred for the treatment and follow-ups to the nearest primary health centers.

National Pulse Polio drive was supported in all the villages in collaboration with Primary Health Centers. Total 4040 children received polio vaccinations.

Reproductive and child health care:

District has highest infant and mother mortality rate in the state due to early marriage; anemia and lack of institution delivery are the nature of challenges in the area. To address this challenges CSR team in cooperation with Govt health machinery organized mother and child health care program. Activities like healthy baby show, Children and Mother Health Checkup camp, promotion of nutrition supplement etc. we are supporting to health checkup for children at Ananawadies, schools and specially abled people. Around 1011 children and mother health check-up were done in the various health camps in the CSR villages.

3. Sustainable Livelihood:

To improve the economic condition of the rural poor in 10 villages, various livelihood activities are initiated. These initiatives mainly focused on improving the income, skill and resources.

Skill training projects:

To make the rural youth and women folk employable in their locality, they are trained with few job-oriented trainings. With this intention under CSR initiatives, 2 skill-training centers are established in two downstream (Hirebidari and Nadhiharalahali) villages. These two training centers local female youths are trained on tailoring, embroidering and painting. Total 24 female youths are trained.

Rural Enterprise Development and Income Generation Activities:

To promote the women empowerment and income generation activities; the women self-help groups are supported with the stitching activities. Total 04 SHG members were engaged in mask Total 3000 facemasks were stitched and sold in the local market.

Total 12 Self Help Group members of Up and Down stream villages were engaged in company's staff and workmen uniform stitching activity.

These women self-help groups stitched total 373 uniforms and distributed among the staff and workmen.

Veterinary Camp:

As a part sustainability Livelihood we had organized 2nd Phase Veterinary Camp in the CSR villages of Makanur, Hulikatte, Vaderayanahalli Nalavagala and Kavalettu. In the Veterinary Camp Totally Livestock 1170 was treated and tested and has benefited 390 farmers and people in the villages. The major issues focused during animal health checkup was Foot and Mouth dieses, anemia animal fertility, increase milk production and breed improvement. Also, supported Veterinary Department in the Villages in vaccination of animals.

Providing Seeds to Farmers:

To promote the agriculture activities, support to marginalized farmers and Triple layer cultivation method, we have provided the improved variety Maize and Vegetable Seed to Marginalized farmers on Public and Private Model at CSR villages. This project was successfully implemented and helped farmers earn good income by selling the crop in market.

From this project, total 47 Men and Women marginalized farmers are benefited and received good feedback on the seeds distributed and good yield.

4. Infrastructure Development:

Seating Arrangement in Public Gathering Places: Cement benches were fixed at Nalavagala Makanur, Kodiyal Hospet, Kavalettu, Hulikatte, Vaderayanahalli, Nadhiharalahali, Airani and Hirebidari villages at public gathering places, like Parks, Hospital, School, Temple Premises, and roadside. This has enabled the senior citizens, women to sit and rest during their visit to these public places. Total 40 Cement Benches are distributed and 1440 People were benefited.

Desilting of Farm Canal and Farm roadside bush cleaning at CSR Villages:

Every year we have done Farm Canal desilting work for free flow of water to farmers cultivation land and clean roadside bushes and spreading gravel on Farm roads for farmers movement to cultivation land.

Total 70 farmers benefitted with this activity at the villages.

Installed Solar Street light with Pole and Electrical Lights:

Solar Street lights were installed at Nalavagala, Vaderayanahalli, Nadhiharalahali, Hirebidari, Kavalettu, Airani, Makanur villages and Sri Sadguru Samartha Narayana Ashram Goushala. This has helped the village people to commute on the village road during the night. The Gram Panchayats and Public has thanked the CSR team for this support. Total 20 Solar Street light system installed and 3000 people benefited from this project.

Installed Electrical Lights on Newly constructed Valmiki Circle compound at Kumarapatnam Circle. It was developed infrastructure of Kodiyal Hospet village and these lights will give illumination to the public also.

Community Hall:

Under Infrastructure Development Projects in Hirebidari CSR village we are construction of Community Hall for community gathering programs like, SHG Meeting, Community awareness programs and Trainings, Small family programs etc.

Now, the building construction work in progress and we will be completed the construction next financial year and Handed over to community.

5. **Social Projects:**

Support to Locomotor Disabled: Under the CSR initiative and support to physical disability program, we have supported to locomotor disabled with provided the Motorized Tricycles to 05 Disabled of Haveri District.

Free Artificial Hand and Limb Fitment Camp:

This is the 29th year we are organizing Free Artificial Limb Fitment Camp at Our unit on Birth Anniversary of Sri Aditya Vikram Birlaji in collaboration with Karnataka Marwari Youth Federation-Bangalore and this year we have added Artificial Hand fitment also as directed by Mrs. Rajashree Birla Madam Chairperson Aditya Birla Center for Community initiatives and Rural Development. The Artificial Limb fitment camp was first started in 1995 and till date more than 4513 physically challenged people were got benefited from this Camp.

In this year, we have Fitted 205 Limbs and 20 Hands to 225 physically challenged peoples.

Supported to Mass Marriage: Mass Marriage activity was supported at Airani village and 04 couple benefited from BPL families enter in to wedlock.

Promotion of Heritage, Culture:

The two national heritage sites, Mylaralingeshwar temple and Kuruvatti Basaveshwara temple of Huvinahadagali Taluk of Vijaynagar District were supported to maintenance and it is up keeping every year.

Total 28650 are benefited from these Programmes.

Painted and renovated old Sri Anjaneya Swami Temple at Nalavagala village.

Safety Awareness Program at CSR villages: Organized Off Site Mock Drill on Chemical Leakage Mitigation and Control in collaboration with District Administration-Haveri at company nearby villages.

-: Media Coverage: -

ಕನ್ನಡಪ್ರಭ

ಅಂಗವಿಕಲರಿಗೆ ಸೌಲಭ್ಯ ಒದಗಿಸುವುದು ಉತ್ತಮ ಕೆಲಸ

ಕಾಲು ಕಳೆದುಕೊಂಡವರಿಗೆ ಗ್ರಾಸಿಂ ಆಸರೆ

ARTIFICIAL HAND AND LIMB FITMENT CAMP

Annexure 3
CREP Report

Annexure-III

<table>
<tr><th>Sl. No.</th><th>CREP conditions for Pulp & Paper Industry along with implementation schedule</th><th>Implementation Status of M/s. Harihar PolyFibres Industry</th></tr>
<tr><td>1</td><td>Discharge of AOx Kg/tonne of paper:
• AOx 1.5 kg/tonne of paper within 2 years.
• AOx 1.0 Kg/Tonne of paper in 5 years</td><td>The Unit achieved average value of AOx is 0.32 Kg/Tonne of Pulp.</td></tr>
<tr><td>2</td><td>Installation of Lime Kiln: within 4 years</td><td>Installed the Lime kiln along with online continuous emission monitoring system connected to CPCB server.</td></tr>
<tr><td>3</td><td>Wastewater discharge cum/tonne of paper:
• Less than 140 cum/tonne of paper within 2 years.
• Less than 120 cum/tonne in 4 years for units installed before 1992.
• Less than 100 cum/tonne of paper per units installed after 1992.</td><td>The average wastewater discharge is 90.70 cum/tonne of Pulp.</td></tr>
<tr><td>4</td><td>Odor control by burning the reduced Sulphur emissions in the boiler/lime kiln.</td><td>Odor causing high concentrated low volume non condensable gases are collected in single vessel and being burnt in Lime kiln.

All influent drains are covered concrete Slabs.</td></tr>
<tr><td>5</td><td>Utilization of treated effluent for irrigation wherever possible.</td><td>The industry is utilizing about 3000 m3 of treated effluent per day in non-monsoon seasons for greenery development. Efforts being made to utilize more treated effluent for greenery development in non-monsoon season by covering all the available adjacent land surrounding of industry.</td></tr>
<tr><td>6</td><td>Color removal from the effluent.
.</td><td>Industry has installed Color Removal technology (Tertiary Clarifier) with 7.0Crore capital investment and Operating cost 1.5 Lac per day.
<table>
<tr><th>Parameter of Treated Wastewater</th><th>Unit</th><th>KSPCB target</th><th>Before Tertiary Treatment</th><th>After Tertiary Treatment</th><th>% of Reduction</th></tr>
<tr><td>Inlet/Outlet Colour</td><td>PtCo</td><td>NA</td><td>900</td><td>200</td><td>78.0</td></tr>
<tr><td>COD</td><td>ppm</td><td>250</td><td>230</td><td>160</td><td>30.4</td></tr>
<tr><td>BOD</td><td>ppm</td><td>30</td><td>26</td><td>17</td><td>34.6</td></tr>
<tr><td>TSS</td><td>ppm</td><td>100</td><td>85</td><td>35</td><td>59</td></tr>
</table>
In addition to above DO increased by 22% i.e average DO value 4.1ppm to 5.0ppm.</td></tr>
</table>

Annexure 4
Letter to MoEF&CC

Annexure-IV

ADITYA BIRLA

GRASIM

Date: 22.10.2019

Scientist – E & Member Secretary (EAC)
Ministry of Environment, Forest & Climate Change (IA-II Section)
Indira Paryavaran Bhawan
Jorbhag Road
New Delhi - 3

Sir,

Sub : Expansion of Fibre Plant, Pulp Plant, Captive Power Plant & setting up Excel Fibre Plant at Village Kumarapatnam, Taluka Ranebennuru, District Haveri (Karnataka) by M/s Grasim Industries Ltd regarding
Environmental Clearance # F.No. IA-J-11011/371/2008-IA.II(I)

Reference to the above, we thank you for granting us the Environmental Clearance (EC) for the aforesaid expansion project by M/s Grasim Industries Ltd.

We would like to bring to the industry's view & plea against the specific EC conditions as mentioned below for your kind notice :

Condition No. 10 (i) – *Environmental Clearance shall be subject to obtaining prior clearance from the Wildlife angle including clearance from the Standing Committee of the National Board of Wildlife, as applicable.*

Industry's view & plea : As per the Gazette Notification Dated 6th July 2017 (enclosed as Annexure – 1 for Ref please), Ranebennurur Blackbuck Sanctuary has been notified with a clear demarcation of Eco-sensitive Zone and related conditions to be followed for developmental activities. Accordingly, industry has submitted the letter duly approved by Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden of Karnataka State Forest Department dated 14.06.2019 along with 1:50000 Topo map indicating distance of sanctuary from industry and eco-sensitive zone duly authorized by Chief Wildlife Warden – Enclosed as Annexure – 2. Hence, based on these details, we would like to inform that clearance form Standing Committee of the National Board of Wildlife is not applicable in our case.

Received
24/x/2019

Dr. U. Sridharan
Scientist 'G'
Ministry of Environment, Forests & Climate Change
Regional Office, Southern Zone
Kendriya Sadan, 4th Floor, Koramangala
Bengaluru-560 034

Birla Cellulose
Fibres from Nature

Grasim Industries Limited
Unit : Harihar Polyfibers & Grasilene Division
Kumarapatnam 581123, Dist. Haveri, Karnataka
[illegible]
Regd. Office: P.O. Birlagram, Nagda 456 331 (M.P.)

Condition No. 10 (XV) – *At least 1.5% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) & item wise details along with time bound action plan shall be prepared & submitted.*

Industry's view & plea : As per the office memorandum from IA Division, MoEF&CC regarding CER dated 1st May 2018 (enclosed as Annexure – 3 for Ref please), the industry has to spend 0.25% additional capital investment for CER as the aforesaid project is a brownfield project with investment between 1000 Cr to 10000 Cr. Hence, we request your kindself to amend this condition to 0.25% of total investment cost against 1.5% as CER expenses.

Condition No. 10 (XV) – *Transportation of raw materials / products should be carefully performed using GPS enabled vehicles.*

Industry's view & plea : Wood is the major raw material consumed in Pulping process, which comes mainly from unorganized market. Hence, it is practically highly difficult to ensure use of GPS enabled vehicles. However, industry will put maximum efforts to take care of all types of safety precautions while transporting raw materials and end products so that no major damage will be caused to environment. Hence, we request your kindself to amend this condition.

Industry will put maximum and sincere efforts to meet remaining conditions given in the EC.

Thanking you,

Yours faithfully,

For **M/s Grasim Industries Ltd.**

Ajay Kumar

Ajay Kumar Gupta
Senior President & Unit Head

Encl: Annexures as mentioned above

CC: **Regional Director**
MoEF&CC Regional Office
Kendriya Sadan
Bangalore

Annexure 5
HPF ETP Cost

ANNEXURE- V

HPF ETP Operation Cost

S. No	Particulars	Unit cost (INR/Kg)	UoM	Daily consumption	Total cost (INR)/day
1	**Chemicals**				
a	Hydrated Lime	8.5	Kg	280	2380
b	Urea	39	Kg	100	3900
c	DAP	92	Kg	100	9200
d	Liquid PAC	16.5	Kg	9000	148500
e	Defoamer	173	Kg	10	1730
f	Flocculant	228	Kg	70	15960
g	Cow dung	5	Kg	270	1350
2	**Power Requirement**				
a	Electricity	7	No's	12500	87500
3	**Service & Repair**				
a	Capex		Rs.	10958	10958
4	Sludge handling		Rs.	3500	3500
5	Biogas operation		Rs.	100293	100293
4	**Salary & Wages**				
a	Staff and workmen salary		Rs.	12,126	12126
b	Contract workmen for ETP		Rs.	4616	4616
5	AMC charges for online stack & AAQMS maintenance		Rs.	-	3561.6
6	Electricity consumption for ESP installed at Recovery Boiler & Lime kiln	7	Rs.	1403.60	9825.25
	Total ETP treatment cost per day				**415399.85**

Annexure 6
GRD ETP Cost

ANNEXURE- VI

Grasilene Division ETP Operation Cost

Sl. No.	Particulars	Unit cost (INR/Kg)	Daily consumption	Total Cost in Rs.
1	**Chemicals**			
a	Hydrated Lime	8	9000	72000
b	*Urea*	*55*	*200*	11000
c	DAP	113	200	22600
d	Deformer	126	15	1260
e	PAC (Powder)	25	300	7500
f	Cation poly 419	365	25	9125
				123485
2	**Power Requirement**			
a	Electricity	7	7900	55300
3	**Service & Repair**			
a	Accessories plate and frame clothes (yearly 4 sets considered 2+2)		600	600
b	Belt presses top and bottom wire (one set replacement for every 2 years)		450	450
c	Capex		18000	18000
d	Spares and Repairs		8700	8700
4	**Salary & Wages**			
a	Organic & Inorganic sludge handling cost (for trips)		8	3040
b	Lime preparation		4	2825
c	Other cleanings like sump zone clarifier flash mixer (Yearly 80,000/)		220	220
d	Maintenance workmen		2	2000
e	Staff and workmen salary		18	23000
f	Contract workmen for ETP		1520	1520
5	AMC charges for online stack & AAQMS maintenance			3561.6
6	Electricity consumption for ESP installed at Power Plant	7	996	6972
TOTAL				**249673**

Annexure 7
Environmental Expenses

ANNEXURE VII

List of Environmental Project Implemented with One- time Investment

Sl No.	Name of the Environmental Projects Implemented From FY19 to FY23	Implemented Year	One Time expenditure Cost Rs. In Lakhs
1	Lime injection system for CFBC Boilers to ensure reduction of SOX emission from CFBC Boilers.	FY 19	255.00
2	Magnetic Flow meters for monitoring of department wise water consumption and better control to avoid loss of water.	FY19	25.99
3	Replacement of existing concrete drain with Closed conduit for effluent from Grasilene ETP to HPF ETP in the view of safety .	FY20	47.19
4	Gas detectors at CS2 storage tanks & Refinery section to take safety control measures immediately.	FY 20	11.73
5	Installation of Level transmitter for lime storage Tank to avoid the overflow and loss of resources .	FY19	4.48
6	SOX, NOX And CO analyser for AFBC Boiler for better monitoring and control.	FY 20	23.57
7	Level indicator for grit chamber better monitoring and control.	FY20	1.86
9	Replacement of Biological Reactor # 2 & 3 Aeration air blower 1 & 2 to improve the efficiency of Biological Reactor.	FY20	6.39
10	Flow transmitter to measure the belt press feed rate.		
11	Replacement of OCEMS (Online continuous Effluent Monitoring Station) for measuring with more accuracy.	FY 20	15.00
12	Enhancement ClO2 plant at Pulp mill to minimize the usage of Elemental Chlorine	FY 20	129.00
13	Installation of Biogas Plant at Staff colony for generation of Biogas by utilizing kitchen Waste and food waste which is generated of resident's households.	FY 20	20.00
14	Upgradation and repair of Biogas Reactor #1 to increase the Biogas generation and minimize the COD&BOD load on ETP.	FY 21	65.00
15	Construction of drain as a part of Rainwater collection and reusing the water during nonmonsoon season.	FY20	20.00
16	Construction of Water reservoir with storage capacity 16lakhs m3 to pump & store the water from River during peak monsoon to avoid pumping of water during River lean stream. Also to collect rain water with capturing area 208000m2 .	FY21	3,751.00

17	Greenbelt Development activity	FY22	18.0
18	Construction of Coal shed to store the coal	FY22	204.00
19	Greenbelt Development activity	FY-23	10.0
20	Installation of 3 No's Jet aerators @ GRD ETP	FY-23	28.78
21	Greenbelt Development activity	FY23	10.0
22	At Grasilene Division in Baling press section , water being used for oil cooling system and same water reusing by recirculation in cooling tower and saved 100KLD per day water	FY24	1.0
23	At Grasilene Division in Acid plant , Installed two cooling towers for cooling & reusing the PHE outlet Soft water .	FY24	13.0
24	At Grasilene Division power plant installed VFD for ID fan and Primary Air Fan and Saved around 11000KWH power per day and reduce the consumption of fossil fuel .saved 11000 KW	FY24	685.0
25	At Harihar Polyfibers , rain harvesting system adopted for non-processing area .	FY24	48.0
26	At Grasilene Division , 624 No's of LED fittings installed to save the power consumption	FY24	9.92
27	At Harihar Polyfibers, 206 No's of LED fittings installed to save the power consumption	FY24	2.96
		Total	5,406.87

Annexure 8
GRD Consent

Consent For Operation
(CFO-Air,Water)

Consent No. AW-327298 Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

(This document contains 6 pages including annexure & excluding additional

Combined Consent Order No. AW-327298 **PCB ID:** 23498 **Date:** 07/10/2021

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 22/06/2021

2.Inspection of the Industry/organization/by RO, on 16/06/2021

3.Proceedings of the ECM dated 04/08/2021 ,held on 29/07/2021

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Grasilene Division(Unit Of Grasim Industries)Kumarapatnam, Ranebennur-Tq,Haveri-

Address: 17,18,20,55,60,61,62,63,64,65,67,68,69,70, Kumarapatnam, Ranebennur-Tq,Haveri-Dist.

Industrial Area: Not In I.A. Kumarapatnam,

Taluk: Davanagere, District: Davanagere

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	W.C(KLD)	W.W.G(KLD)	Remark
1	Boiler Feed	5300.000	2230.000	Boiler blowdown will be treated in Existing ETP.
2	Domestic Purpose	150.000	120.000	Domestic wastewater is being treated in septic tank And overflow connected to ETP.
3	Manufacturing Processes	11050.000	14430.000	Process wastewater will be treated in existing ETP of capacity 20,000 KLD, treated water will be discharge into River.
4	Others ...	260.000	10.000	Used for gardening

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty/Month	Unit
1	by product sodium sulphate	7410.000	TON
2	carbon di-sulphide for captive consumption	1296.4300	TON
3	yeast filter	0.000	TON
4	power plant	20.000	MWH
5	sulphuric acid for captive consumption	6167.3000	TON
6	viscose staple fibre	9125.0000	TON

This consent is valid for the period from 01/07/2021 **to** 30/06/2026

To,

Grasilene Division(Unit Of Grasim Industries)Kumarapatnam, Ranebennur-Tq,Haveri-

COPY TO:

The Environmental Officer, KSPCB, Regional Office Davanagere for information and necessary action.

2. Master Register.

3. Case file.

Consent For Operation
(CFO-Air,Water)

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

Consent No. AW-327298 Valid upto: 30/06/2026

Industry Colour: RED Industry Scale: LARGE

(This document contains 6 pages including annexure & excluding additional

Consent Fee paid : Rs. 1500000

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I

3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C.MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1.The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2.The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
* A "decibel" is a unit in which noise is measured.
* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
* Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement)
Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.
7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.
10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.
11. The applicant shall develop and maintain adequate green belt all around the periphery.

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
13.This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
15.The applicant shall display flow diagram of the pollution control system near the pollution contol system/s.

NOTE:
The Conditions Nil mentioned in the schedule are not applicable.
1. The occupier shall comply with all the additional terms and conditions stipulated in Annexures I & A attached here.
2. This consent order contains 9 pages including Annexures.
Additional Conditions:

Consent For Operation
(CFO-Air,Water)

Consent No. AW-327298 Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321 email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

(This document contains 6 pages including annexure & excluding additional

Chm.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Boiler	110TPH CFBCBoiler-2No-CFEx	110	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,0,0	COA	ESP	Before commissioning.
2	Boiler	Power plant stack	110	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,0,0	COA	ESP	Before commissioning.
3	Any Other	Carbon Disulphide salck	32	PM(mg/NM3),SO2 (PPM),NOx(PPM)	CS2		SCR	Before commissioning.
4	Sulphuric Acid Plant	Sulphuric Acid plantStack	51	PM(mg/NM3),SO2 (PPM),NOx(PPM)	50,1.0,0	H2SO4 mist and SO2	SCR	Before commissioning.
5	Any Other	Spinning plant stack	175	PM(mg/NM3),SO2 (PPM),NOx(PPM)	150,0,0	SPM, CS2, H2S	N.A	Before commissioning.

Note:

ESP E.S.P

SCR Scrubber

SCR Scrubber

N.A Not Applicable

Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per Sl.No 84 in Schedule-I of Environment (Protection)Rules.
3. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET

1. Location of Portholes and approach platform:

   Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

Annexure 9
HPF Consent & HWM Authorization

Consent For Operation
(CFO-Air,Water)

Consent No. AW-327349
Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church
Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED   Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-327349   **PCB ID:** 23495   **Date:** 07/10/2021

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act ,1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 22/06/2021

2.Inspection of the industry/organization by RO,   on 16/06/2021

3.Proceedings of the ECM dated 04/08/2021   held on 29/07/2021

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Harihara Polyfibers Ltd.,(Unit Of Grasim Industries Ltd.,)

Address: 1,2,3/1,2/1,4,5/1,5/2,6/1,6/2,6/3,6/4,7/1A,7/1B,7/2A/1, Kumarapatnam, Ranebennur Tq,Haveri-Dist

Industrial Area: ,   Kumarapatnam,

Taluk: Davanagere,   District: Davanagere

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Boiler Feed	1300.000	400.000	Boiler blow down is treated in ETP.
2	Domestic Purpose	270.000	200.000	Domestic wastewater is being discharge into septic tank & Soak pit, overflow will be taken to ETP.
3	Manufacturing Processes	22600.000	22400.000	Process waste water is being treated in ETP.
4	Others	3670.000	0.000	Water loss during process, Cooling and Misc.

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel,constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products:

Sr	Product Name	Applied Qty/Month	Unit
1	[illegible]	7112.500	TON

This consent is valid for the period from 01/07/2021 **to** 30/06/2026

To,

Harihara Polyfibers Ltd.,(Unit Of Grasim Industries Ltd.,)

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele: 080-25589112/13, 25582283
Fax: 080-25586321
email: ahs.kspcb@gov.in

Industry Colour: [illegible] Industry Scale: [illegible]

This document contains 7 pages including annexure & excluding additional

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT:

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part I & Part II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall conform to the standards stipulated by the Board in Annexure-I.

3(b). The trade effluent shall be treated/sent to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manholes where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order.

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in Annexure-II where, from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emissions, access platform for carrying out stack sampling, electrical power and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall appraise/modify/replace the control equipment with prior permission of the Board.

C. MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/as directed by Board's monitoring laboratory or through EP approved laboratories for the parameters as indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2. The solid waste generated shall be handled & disposed by scientific method without causing any nuisance to the general public and to the surrounding environment.

Karnataka State Pollution Control Board
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Industry Category: [illegible] Industry Status: [illegible]

(This document contains [illegible] pages including annexure & excluding additional conditions)

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed in (a) Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note:-

* Day time shall mean from 6.00 am and Night time shall mean 10 pm to 6 am.
* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
* A "decibel" is a unit in which noise is measured.
* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
* Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from the premises.

2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

3. The applicant shall set up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.

6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.

8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.

9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuance or renewal of this consent after expiry of the validity of consent.

10. The applicant shall make an application for consent for subsequent period at least 30 days before expiry of this consent.

11. The applicant shall develop and maintain adequate green belt all around the periphery.

12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.

13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court.

14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.

15. The applicant shall display flow diagram of the pollution control system near the pollution control system(s).

NOTE:

The Conditions Nil mentioned in this document are not applicable.

Additional Conditions:

1. [illegible]
2. [illegible]

Sl. No.	Chimney attached to	Capacity KVA / Rating	Minimum chimney height to be provided above ground level (in Mts)	Pollutants to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed in addition to chimney height as per rule (2)	Date by which air pollution control equipments shall be provided to adhere to the stipulated tolerance limits with chimney heights conforming to stipulated heights
1	Hot Air Generator	[illegible]	3	PM [illegible] (PPM) [illegible]	[illegible]	[illegible]	N.A	Before commissioning
2	[illegible]	[illegible]	10	PM [illegible] (PPM) [illegible]	[illegible]	[illegible]	[illegible]	Before commissioning
3	Boiler	[illegible]	30	PM [illegible] (PPM) [illegible]	[illegible]	[illegible]	[illegible]	Before commissioning

Note:

N.A — Not Applicable

[illegible] — [illegible]

[illegible] — [illegible]

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church
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Tele : 080-25589112/3, 25581383
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Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.

2. The DG set shall be provided with acoustic measures as per Sl.No.94 in Schedule-I of Environment (Protection)Rules.

3. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length x Width})}{(\text{Length + Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Authorization GRD.pdf

Authorization HPF.pdf

Annexure 10
Water Agreement

सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No.	: IN-KA483915273286507
Certificate Issued Date	: 15-Jul-2021 04:12 PM
Account Reference	: NONACC (BK)/ kaksčub08/ HARIHAR/ KA-DV
Unique Doc. Reference	: SUBIN-KAKAKSCUB08520878047248657
Purchased by	: HARIHAR POLYFIBERS PROP GRASIM INDUSTRIES LTD KPT
Description of Document	: Article 12 Bond
Description	: AGREEMENT
Consideration Price (Rs.)	: 0 (Zero)
First Party	: HARIHAR POLYFIBERS PROP GRASIM INDUSTRIES LTD KPT
Second Party	: EXECUTIVE ENGINEER KNNL DAVANAGERE
Stamp Duty Paid By	: HARIHAR POLYFIBERS PROP GRASIM INDUSTRIES LTD KPT
Stamp Duty Amount(Rs.)	: 1,000 (One Thousand only)

[illegible]

[illegible] 2021 [illegible] 01.07.2020 [illegible]

S.Anil Kumar Sharma

SUBHASH SHARMA

—2

Statutory Alert:

1. [illegible]
2. [illegible]
3. [illegible]

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ: ಜಸಂಇ 136 ಎಂಎಂಬಿ 2020 ಬೆಂಗಳೂರು ದಿನಾಂಕ: 25.03.2021. ರಲ್ಲಿ ಮೇ: ಗ್ರಾಸಿಂ ಇಂಡಸ್ಟ್ರೀಸ್ ಲಿ., (ಘಟಕ ಹರಿಹರ ಪಾಲಿಫೈಬರ್) ಕುಮಾರಪಟ್ಟಣಂ, ರಾಣೇಬೆನ್ನೂರು ತಾಲ್ಲೂಕು, ಹಾವೇರಿ ಜಿಲ್ಲೆ, ತುಂಗಭದ್ರಾ ನದಿಯಿಂದ ಪ್ರತಿದಿನ ಸುಮಾರು 40 ಕ್ಯೂಸೆಕ್ಸ್ ನೀರನ್ನು ಮಾತ್ರ ಉಪಯೋಗಿಸಲು ಅನುಮತಿ ನೀಡಲಾಗಿದೆ.

ಷರತ್ತುಗಳು

ಯಾವ ಉದ್ದೇಶಕ್ಕಾಗಿ ನೀರನ್ನು ಬಳಸಲು ಸರ್ಕಾರ ಅನುಮತಿ ನೀಡಲಾಗಿದೆಯೋ ಆ ಉದ್ದೇಶಕ್ಕಾಗಿ ಉಪಯೋಗಿಸತಕ್ಕದ್ದು.

2. ಕಂಪನಿಯು ನೀರು ಸಂಗ್ರಹಣೆ ಮತ್ತು ಕೊಳವೆ ಮಾರ್ಗಗಳಿಂದ ಲಭ್ಯವಾಗುವ ನೀರನ್ನು ಗಣನೆಗೆ ತೆಗೆದುಕೊಂಡು, ಬಾಕಿ ಪ್ರಮಾಣದ ನೀರನ್ನು ಮಾತ್ರ ನದಿಯಿಂದ ಪಡೆಯತಕ್ಕದ್ದು.
3. ನದಿಯ ಮೂಲದಿಂದ ನೀರನ್ನು ಯಾವುದೇ ತಡೆಗೋಡೆ ನಿರ್ಮಿಸದೇ ಸ್ವಾಭಾವಿಕವಾಗಿ ಹರಿಯುವ ನೀರನ್ನು ಉಪಯೋಗಿಸಿಕೊಳ್ಳುವುದು. ನದಿ ಪಾತ್ರದ ನೀರಾವರಿ ವ್ಯವಸ್ಥೆಗೆ ಯಾವುದೇ ತೊಂದರೆ ಇಲ್ಲದೇ ಅಡಚಣೆಯನ್ನು ಉಂಟು ಮಾಡಬಾರದು.
4. ನೀರಿನ ಬೇಡಿಕೆಯನ್ವಯ ವಿದ್ಯುತ್ ಸಾಮರ್ಥ್ಯದ ಪಂಪ್ ಮತ್ತು ಮೋಟಾರ್‌ಗಳನ್ನು ನದಿಯಿಂದ ನೀರೆತ್ತಲು ಅಳವಡಿಸಿಕೊಂಡಿರುವ ಬಗ್ಗೆ ಜಲ ವಿಭಾಗ ಮತ್ತು ವಿಭಾಗಾಧಿಕಾರಿಗಳಿಂದ ದೃಢೀಕರಣ ಪತ್ರಗಳನ್ನು ಪಡೆಯುವುದು.
5. ಯಾವುದೇ ಕಾರಣದಿಂದ ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ನದಿಯಲ್ಲಿ ನೀರು ಇಲ್ಲದ ಕಾರಣ ಉಂಟಾಗುವ ನಷ್ಟಕ್ಕೆ ಸರ್ಕಾರದಿಂದ ಯಾವುದೇ ಪರಿಹಾರ ನೀಡಲಾಗುವುದಿಲ್ಲ. ನದಿಯಲ್ಲಿ ನೀರಿನ ಹರಿವು ಕಡಿಮೆಯಾದಾಗ ಕಂಪನಿಯು ನೀರಿನ ಪೂರೈಕೆಗಾಗಿ ಬೇರೆ ಸೂಕ್ತ ವ್ಯವಸ್ಥೆಯನ್ನು ಮಾಡಿಕೊಳ್ಳತಕ್ಕದ್ದು. ಯೋಜನೆಯಿಂದ ನದಿಯ ನೀರಿನ ಹರಿವಿನ ಪಥವು ಬದಲಾಯಿಸಿದಲ್ಲಿ ಇದರಿಂದ ಆಗುವ ದುಷ್ಪರಿಣಾಮ ಮತ್ತು ಅನಾಹುತಗಳಿಗೆ ಕಂಪನಿಯೇ ಜವಾಬ್ದಾರರು.
6. ಕಂಪನಿಯು ನದಿಯಿಂದ ನೀರೆತ್ತುವ ಸ್ಥಳದ ಕೆಳಭಾಗದಲ್ಲಿ ಬರುವ ಇರುವ ನೀರಿನ ಬಳಕೆದಾರರಿಗೆ ಯಾವುದೇ ತೊಂದರೆಯಾಗದಂತೆ ಎಚ್ಚರ ವಹಿಸತಕ್ಕದ್ದು.
7. ಯಾವುದೇ ಕಾರಣದಿಂದ ಸರ್ಕಾರ ಅಥವಾ ಅದರ ನಿಯೋಜಿತ ಅಧಿಕಾರಿಗಳು ಕಂಪನಿ ನೀರನ್ನು ಬಳಸಲು ತಡೆಹಿಡಿಯಬಹುದು. ಇದಕ್ಕೆ ಸರ್ಕಾರ ಅಥವಾ ಅದರ ನಿಯೋಜಿತ ಅಧಿಕಾರಿಗಳು ಯಾವುದೇ ಕಾರಣಗಳನ್ನು ನೀಡಬೇಕಿಲ್ಲ. ಇದರಿಂದ ಕಂಪನಿಗೆ ನಷ್ಟವಾದಲ್ಲಿ ಸರ್ಕಾರ ಜವಾಬ್ದಾರರಲ್ಲ ಹಾಗೂ ಯಾವುದೇ ನಷ್ಟವನ್ನು ಭರಿಸುವುದಿಲ್ಲ.
8. ಕಂಪನಿಯು ಬಳಸುವ ನೀರಿನ ಪ್ರಮಾಣವನ್ನು ಅಳತೆ ಮಾಡಲು ವಾಟರ್ ಮೀಟರ್ ಅನ್ನು ಅಳವಡಿಸುವುದು. ಇದರಲ್ಲಿ ಯಾವುದೇ ದುರಸ್ತಿ ಅಥವಾ ಬದಲಾವಣೆ ಮಾಡಬೇಕಾದಲ್ಲಿ ಕಂಪನಿಯವರು ಸಂಬಂಧಪಟ್ಟ ಅಧಿಕಾರಿಗಳ ಗಮನಕ್ಕೆ ತಂದು ತಮ್ಮ ಸ್ವಂತ ಖರ್ಚಿನಿಂದಲೇ ಮಾಡತಕ್ಕದ್ದು.
9. ಕಂಪನಿಯವರು ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಅಧಿಕಾರಿಯೊಂದಿಗೆ ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳುವಾಗ Water meter, Water meter Calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Register Log ಬಗ್ಗೆ ತಿಳಿಸಿ ನಿಖರವಾದ ಅಂಕದ ಬಗ್ಗೆ ಷರತ್ತನ್ನು ಒಪ್ಪಂದ ಪತ್ರದಲ್ಲಿ ಸೇರಿಸಿಕೊಳ್ಳತಕ್ಕದ್ದು.
10. ಅಳವಡಿಸಿರುವ ವಾಟರ್‌ಮೀಟರ್ ಮತ್ತು ಗೇಜನ್ನು ತಪಾಸಣೆ ಮಾಡಲು ಇಲಾಖೆಯು ಗೊತ್ತುಪಡಿಸಿದ ಯಾವುದೇ ಅಧಿಕಾರಿಗೆ ಅವಕಾಶವಿರಬೇಕು.
11. ಪಂಪ್‌ಗಳ ಬಗ್ಗೆ ಲಾಗ್‌ಬುಕ್ ಇಲ್ಲವೇ ಬುಕ್ ಆಫ್ ಅಕೌಂಟ್ಸ್ ಅನ್ನು ಪ್ರತಿ ನಿತ್ಯ ನಿರ್ವಹಿಸಬೇಕಿದ್ದು, ಅವುಗಳನ್ನು ಇಲಾಖಾ ತಪಾಸಣೆ / ಪರಿಶೀಲನೆಗೆ ಒದಗಿಸುವುದು. ಅವಶ್ಯವಿದ್ದಲ್ಲಿ ಅದರ ಜೆರಾಕ್ಸ್ ಪ್ರತಿಯನ್ನು ಒದಗಿಸುವುದು.
12. ನೀರಿನ ಪ್ರಮಾಣವನ್ನು ಅಳತೆ ಮಾಡಲು ಅಳವಡಿಸಿರುವ ಯಾವುದೇ Mechanical or Electrical measurement device ಗಳನ್ನು ಕಾಲಕಾಲಕ್ಕೆ ಸರ್ಕಾರ ಅಥವಾ ಸರ್ಕಾರದ ನಿಯೋಜಿತ ಅಧಿಕಾರಿಗಳು recalibrate or validate ಮಾಡಲು ತಿಳಿಸಬಹುದು. ಇಂಥ ಸಂದರ್ಭಗಳಲ್ಲಿ ಕಂಪನಿಯೇ ತನ್ನ ಸ್ವಂತ ಖರ್ಚಿನಿಂದ recognized or licensed institute ಗಳಿಂದ ಅಗತ್ಯ ಪರೀಕ್ಷೆಗಳನ್ನು ಮಾಡಿಸಿಕೊಳ್ಳಬೇಕು.
13. ಬೇಡಿಕೆಗಿಂತ ಹೆಚ್ಚಿನ ಪ್ರಮಾಣದ ನೀರನ್ನು ನದಿಯಿಂದ ಎತ್ತಿದಲ್ಲಿ ದಂಡ ವಿಧಿಸಲಾಗುವುದು ಇಲ್ಲವೇ ಪರವಾನಗಿಯನ್ನು ರದ್ದುಗೊಳಿಸಲಾಗುವುದು.

14. ಕಂಪನಿಯು ಉಪಯೋಗಿಸುವ ನೀರಿನ ಪರಿಮಾಣವನ್ನು ಕಂಪನಿಯು draw ಮಾಡುವ gross water quantity ಮೇಲೆ (drawal point ಹತ್ತಿರ) ವಿಧಿಸಲಾಗುವುದು. ಈ ನೀರನ್ನು ಪೂರೈಸುವಾಗ ನೀರಿನ ನಷ್ಟದ (losses) ಬಗ್ಗೆ ಸರ್ಕಾರವಾಗಲಿ/ಯೋಜನಾಧಿಕಾರಿಯಾಗಲಿ ಜವಾಬ್ದಾರರಲ್ಲ.

15. ಕಂಪನಿಯು ಕೈಗೊಳ್ಳುವ ಯಾವುದೇ ಕೆಲಸಗಳು (Mechanical, Civil and Electrical) ಕುಸಿದು ಬಿದ್ದು ನೀರಾವರಿಗೆ ಅಥವಾ ಕುಡಿಯುವ ನೀರಿಗೆ ಅಥವಾ ಯಾವುದೇ ರೀತಿಯ ತೊಂದರೆಯಾದಲ್ಲಿ, ಸಂಭವಿಸುವುದಾದ Material & Financial ನಷ್ಟಗಳನ್ನು ಕಂಪನಿಯೇ ಭರಿಸಬೇಕಾಗುವುದು. ಇಂಥಹ ನಷ್ಟಗಳ ಮೊತ್ತವನ್ನು ಕಂಪನಿಗೆ ಯಾವುದೇ ಸೂಚನೆ ನೀಡದೇ ನಿರ್ಧರಿಸಲಾಗುವುದು.

16. ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳುವಾಗ ಹಾಗೂ ನಂತರ ಸರ್ಕಾರ ಹಾಗೂ ಮಾಸಿ ಅಸ್ಸಿ – ಮಾಸ್ಕಿ ಹಾನಿಯಾಗದಂತೆ, ಎಚ್ಚರವಹಿಸಕಕ್ಕನ್ನು. ಒಂದು ವೇಳೆ ಯಾವುದೇ ಹಾನಿಯಾದಲ್ಲಿ ಕಂಪನಿಯೇ ನಷ್ಟದ ಮೊತ್ತವನ್ನು ಭರಿಸಕಕ್ಕನ್ನು.

17. ಕಂಪನಿಯು ನದಿಯಂಥ ನೀರು ಪ ಯುಂ ಳ ಗಳನ್ನು ಆಳವಡಿಸುವಾಗ ಮಾರ್ಗ ಮಧ್ಯದಲ್ಲಿ ಏನಿದ ಇರಾ ಗಳ ಎರಿದ ಭೂಮಿ ಸಂಬಂಧ ಅಂತಾ ಇರಾವಿ ಅನುಮತಿಯನ್ನು ಪಡೆಯಕಕ್ಕನ್ನು.

18. ಕಂಪನಿಯು ಕೆಲಸಗಳಿಗೆ ಬೇಕಾಗುವ ಸರ್ಕಾರಿ ಜಮೀನು, ಇತರೆ ಆಸ್ತಿ ಅಥವಾ ಇತ ಅನುಕೂಲಗಳನ್ನು ಸರ್ಕಾರದಿಂದಾಗಲೀ ಅಥವಾ ಖಾಸಗಿಯವರಿಂದಾಗಲೀ, ನಿಗದಿಪಡಿಸಿದ ದರಗಳ ಮೊತ್ತವನ್ನು ಕೆಲಸಗಳನ್ನು ಪ್ರಾರಂಭಿಸುವ ಮೊದಲೇ ಭರಿಸಿ ಕಂಪನಿಯು ಪಡೆಯಬೇಕು. ಈ ವಿಷಯದಲ್ಲಿ ಯಾವುದೇ ತಂಟೆ ತಕರಾರನ್ನು ಕಂಪನಿಯು ಹೊಂದಿರಬಾರದು. ಖಾಸಗಿ ಜಮೀನುಗಳು ನೀರಾವರಿ ಮುಳುಗಡೆಯಾದಲ್ಲಿ ಅಥವಾ ಕಂಪನಿಯ ಕೆಲಸಗಳಿಗೆ ಬೇಕಾದಲ್ಲಿ ಕಂಪನಿಯೇ ಮೊತ್ತವನ್ನು ನೀಡಿ ಪಡೆಯಬೇಕು. ಖಾಸಗಿ ಜಮೀನುಗಳನ್ನು ವಶಪಡಿಸಿಕೊಳ್ಳುವಲ್ಲಿ ಕಂಟಿ ತಕರಾರುಗಳು ಉದ್ಭವಿಸಿದಲ್ಲಿ ಕಂಪನಿಯೇ ಖಾಸಗಿಯವರ ಹತ್ತಿರ ತನ್ನ ಸ್ವಂತ ಖರ್ಚಿನಲ್ಲಿ ಇತ್ಯರ್ಥ ಮಾಡಿಕೊಳ್ಳಬೇಕು. ಸರ್ಕಾರವು ಈ ವಿಷಯದಲ್ಲಿ ಯಾವುದೇ ಪರವರ ಜವಾಬ್ದಾರಿಯನ್ನು ತೆಗೆದುಕೊಳ್ಳುವುದಿಲ್ಲ. ಕಂಪನಿಯು ಯೋಜನೆಯನ್ನು ನಿರ್ಮಿಸುವಾಗ ಆಗೆದ ಮಣ್ಣು ಮತ್ತು ಇತರೆ ಸಾಮಾಗ್ರಿಗಳನ್ನು ಯಾವುದೇ ಅಡಚಣೆಯಿಲ್ಲದೆ ಸರ್ಕಾರಿ ಜಾಗದಲ್ಲಿ ಸಂಗ್ರಹಣೆ ಮಾಡಬಹುದು. ಕಂಪನಿಯು ತನ್ನ ಉಪಯೋಗಕ್ಕೆ ಸ್ವಾಧೀನಪಡಿಸಿಕೊಂಡ ಜಾಗದಲ್ಲಿ ಮಾತ್ರ ಸಂಗ್ರಹಣೆ ಮಾಡಬಹುದು.

19. ಕಂಪನಿಯು ಅದರ ಬಸ ಕಾರ್ಯಗಳನ್ನು ಅದು ಸ್ವಾಧೀನಪಡಿಸಿ ಂಡ ಭೂಮಿಯಲ್ಲಿ ೇ ಮಾಡಕಕ್ಕನ್ನು.

20. ಸರ್ಕಾರವು ಕಾಲ ಕಾಲಕ್ಕೆ ನಿಗದಿಪಡಿಸಿದ ದಾವಂ ನೀರಿನ ದರವನ್ನು ಕಂಪನಿಯು ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಗೆ ನಿಗದಿಪಡಿಸಿದ ಅವಧಿಯೊಳಗೆ ಮಾಪನಾಂಕ ಪಾವತಿಸುವುದು.

21. ಕಂಪನಿಯು ಕಾಲ ಕಾಲಕ್ಕೆ ಸರ್ಕಾರವು ನಿಗದಿಪಡಿಸುವ ಬಾರ್ಷಿಕ ಪಾಗೂ ಗೌರವ ಧನವನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಪಾವತಿಸಕಕ್ಕನ್ನು.

22. ನೀರಿನ ಕೊರತೆ ಉಂಟಾದಲ್ಲಿ ನೀಡಿರುವ ಅನುಮತಿಯನ್ನು ಹಿಂಪಡೆಯುವ ಅಧಿಕಾರವು ಇರಾ ಇರುತ್ತದೆ.

23. ಕಂಪನಿಯು ನೀರನ್ನು ಉಪಯೋಗಿಸಿ ಹಳ್ಳಕ್ಕೆ/ನದಿಗೆ ಪಾಪನ್ನು ಬಿಡುವ ಸಮಯದಲ್ಲಿ ಸರ್ಕಾರ ವಿಧಿಸುವ Standard ಗೆ (CPHEED/BIS/KPSCB standard) treat ಮಾಡಿ ಬಿಡಕಕ್ಕನ್ನು. ಹಾಗೆ ಮಾಡದೇ ಇದ್ದ ಪಕ್ಷದಲ್ಲಿ ಕಂಪನಿಗೆ ನೀಡಿದ ಪರವಾನಿಗೆಯನ್ನು ಸರ್ಕಾರವು ಯಾವುದೇ ಮುನ್ಸೂಚನೆ ಇಲ್ಲದೆ ಹಿಂದಕ್ಕೆ ಪಡೆಯಬಹುದು.

24. ಕಾಮಗಾರಿಗಳನ್ನು ನಿರ್ವಹಿಸುವಾಗ ಹಾಗೂ ಣ ಕಾರ್ಯ ರೂಪದಲ್ಲಿದ್ದಾಗ, ಯಾವುದೇ ವಿವಾದಗಳು ಉದ್ಭವಿಸಿದ , ಆ ವಿವಾದಗಳನ್ನು ಕಂಪನಿಯೆ ಇತ್ಯರ್ಥ ಮಾಡಿಕೊಳ್ಳಬೇಕು. ಈ ಇತ್ಯರ್ಥದಲ್ಲಿ ಸರ್ಕಾರಕ್ಕೆ ಕೆಟ್ಟಹೆಸರು ಬಂದರೆ ಅದನ್ನು ಕಂಪನಿಯು ಸರ್ಕಾರಕ್ಕೆ ಭರಿಸಕಕ್ಕನ್ನು.

25. ಸಂಬಂಧಪಟ್ಟ ಇರಾ ಗಳಾದ ಅರಣ್ಯ, ಪರಿಸರ ಮತ್ತು ಜೀವವೈವಿಧ್ಯ ಮಂಡಲಿಗಳ ನಿಯಂತ್ರಣಾ ಮಂಡಳಿ ಹಾಗೂ ಇತ ಇಲಾಖೆಗಳಿಂದ ಎಲ್ಲಾ ಅಗತ್ಯ ನಿರಾಪೇಕ್ಷಣಾ/ಪರವಾನಗಿಯನ್ನು ಪಡೆದು ಪರಿಸರದ ಪ್ರಸ್ತಾವಿತ ಘಟಕವನ್ನು ಕಾರ್ಯರೂಪಕ್ಕೆ ತರಲು ಕಂಪನಿಯು ಕ್ರಮ ಜರುಗಿಸಕಕ್ಕನ್ನು.

26. ಅರಣ್ಯ, ಪರಿಸರ ಮತ್ತ ಜೀವಿಗಳ ಅಥವಾ ಇನ್ನಾವು ೇ ನಷ್ಟ ಅಥವಾ ಅಪಾಯ ಉಂಟಾದಲ್ಲಿ ಕಂಪನಿಯು ಕಾನೂನಿನ ಕ್ರಮಗಳಿಗೆ ಗುರಿಯಾಗುವುದಲ್ಲದೇ, ಇದರಿಂದ ಆಗುವ ನಷ್ಟವನ್ನು ಸರ್ಕಾರ ಅಥವಾ ಅವರ ನಿಯೋಜಿತ ಅಧಿಕಾರಿಗಳು ನಿಗದಿಪಡಿಸುವ ಪ್ರಮಾಣ ಮತ್ತು ರೀತಿಯಲ್ಲಿ ಕಂಪನಿಯು ತುಂಬಬೇಕು.

27. ಜಲ ಸಂಪನ್ಮೂಲ ಇರಾ ಹಾಗೂ ಇತ ಇರಾ ಗಳು ಜಲ ಕಾಲ , ನಿಗದಿಪಡಿಸಬಹುದಾದ ಎಲಾ ಶುಲ್ಕಗಳು ಮತ್ತು ಇತ ಕರಗಳನ್ನು ಕಂಪನಿ ಆಯಾ ಇಲಾಖೆಗೆ ಕಂಪನಿ ಪಾವತಿಸಕಕ್ಕನ್ನು.

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28. ಈ ಪರವಾನಿಗಿಯು 05 ವರ್ಷಗಳ ಅವಧಿಗೆ ಚಾಲ್ತಿಯಲ್ಲಿರುತ್ತದೆ. ತದನಂತರ ಅವಧಿಗೆ ಅವಶ್ಯವಿದ್ದಲ್ಲಿ ನೀರಿನ ಲಭ್ಯತೆಯನುಸಾರ ಪರವಾನಿಗಿಯನ್ನು ನವೀಕರಿಸಲಾಗುವುದು.

29. ನೀರಿನ ಬಳಕೆಯ Royalty ಯನ್ನು ಸರ್ಕಾರವು ಕಂಪನಿಗೆ ಮುನ್ಸೂಚನೆ ಇಲ್ಲದೆ ಹೆಚ್ಚಿಸಬಹುದು.

30. ಣ ಯ ಅನುಷ್ಠಾನದಿಂದ ಸ್ಥಳೀಯರಿ ಯಾವು ೀ ರದ ಯಾಗುವುದಿಲ್ಲ ಎಂಬ ಅಂಶವನ್ನು ಖಚಿತಪಡಿಸಿ ಳ್ಳ ಣು.

31. The Government or its designated officer will determine measurements of water used. ಈ ರೀತಿ ಸರ್ಕಾರವು ಅಥವಾ ಅದರ designated officer ಅಳತೆ ಮಾಡಿದ ನೀರಿನ ಪ್ರಮಾಣಕ್ಕೆ ಕಂಪನಿಯು ಪಾವತಿಸುವ ಮೊತ್ತವನ್ನು (Water Charges) ಸಂಬಂಧಪಟ್ಟ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್‌ರವರಿಗೆ ಭರಿಸಬೇಕಾಗುತ್ತದೆ. ಈ ಮೊತ್ತವನ್ನು ಸರ್ಕಾರವು ಕಂಪನಿಗೆ ಮುನ್ಸೂಚನೆ ಇಲ್ಲದಂತೆ ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ಹೆಚ್ಚಿಸಬಹುದು ಇದಕ್ಕೆ ಕಂಪನಿಯು ಯಾವುದೇ ತಕರಾರಿಲ್ಲದೆ ಪಾವತಿಸಬೇಕು.

32. ನೀರನ್ನು ಬಳಸಿಕೊಂಡ ಪ್ರಮಾಣವನ್ನು ಪ್ರತಿ ಮಾಹೆಯ 1ನೇ ತಾರೀಕಿ ಳಗೆ ವಿಭಾಗ ಕಛೇರಿಗೆ ವಿವರಗಳನ್ನು ಹಾಗೂ ಬಳಸಿಕೊಂಡ ನೀರಿನ ಪ್ರಮಾಣಕ್ಕೆ ಪ್ರತಿ ಮಾಹೆಯ 5ನೇ ತಾರೀಖಿನೊಳಗೆ ಪಣ ಪಾವತಿಸಿದ ಚಲನ್‌ಗಳನ್ನು ವಿಭಾಗ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸುವುದು.

33. ಸರ್ಕಾರದ ಜಮೀನಿನಲ್ಲಿರುವ ಯಾವು ೀ ವಸ್ತುಗಳನ್ನು ಕಂಪನಿಯ ಯಾವು ೀ ಬಳಗೆ ಉಪಯೋಗಿಸಿದಲ್ಲಿ ಇವುಗಳ Royalty ಅನ್ನು ಕಂಪನಿಯು ಸರ್ಕಾರವು ನಿಗದಿಪಡಿಸಿದ ರೀತಿಯಲ್ಲಿ ಸರ್ಕಾರಕ್ಕೆ ಯಾವುದೇ ತಕರಾರುಗಳಿಲ್ಲದೆ ಪಾವತಿಸತಕ್ಕದ್ದು.

34. ಕಾಮಗಾರಿಯನ್ನು ಪ್ರಾರಂಭಿಸುವ ಮುನ್ನ ಅಕ್ಷಪಕ್ಷದ ಮಾ ೀರಿಂದ ನಿರಾಂಕ್ಷೇಣಾ ಪತ್ರವನ್ನು ಪ ಯತಕ್ಕದ್ದು ಮತ್ತು ಕಾಮಗಾರಿಯ ಸ್ಥಳದ ಬಳಿಯ ಹಳ್ಳದ ದಂಡೆಗಳಿಗೆ ಸೂಕ್ತ ರಕ್ಷಣಾ ಗೋಡೆಗಳನ್ನುಕಂಪನಿಯು ತನ್ನ ಖರ್ಚಿನಲ್ಲಿ ನಿರ್ಮಿಸತಕ್ಕದ್ದು.

35. ಕಂಪನಿಯು ಲಿನ ಯಾವು ೀ ನಿಬಂಧ ಗಳನ್ನು ಉಲ್ಲಂಘಿಸಿದಲ್ಲಿ ಯಾವು ೀ ಮುನ್ಸೂಚ ನೀಡ ೀ ಅನುಮತಿಯನ್ನು ಹಿಂದಕ್ಕೆ ಪಡೆಯಲಾಗುವುದು. ಅರ್ಜಿದಾರರು ಸಲ್ಲಿಸಿರುವ ಮಾಹಿತಿಯು ತಪ್ಪಾಗಿದ್ದಲ್ಲಿ, ಅಪೂರ್ಣವಿದ್ದಲ್ಲಿ ಅಥವಾ ಕೆಲವೊಂದು ಅವಶ್ಯ ಮಾಹಿತಿಯನ್ನು ಮರೆಮಾಚಿದ್ದಲ್ಲಿ, ಕಂಪನಿಯ ಜವಾಬ್ದಾರಿಯ ಮೇರೆ ಅನುಮತಿಯು ತಾನಾಗೇ ರದ್ದಾಗುವುದು. ಕಂಪನಿಯು ಮೇಲಿನ ಯಾವುದೇ ನಿಬಂಧನೆಗಳನ್ನು ಉಲ್ಲಂಘಿಸಿದಲ್ಲಿ ಯಾವುದೇ ಮುನ್ಸೂಚನೆ ನೀಡದೆ ಅನುಮತಿಯನ್ನು ಹಿಂದಕ್ಕೆ ಪಡೆಯಲಾಗುವುದು ಹಾಗೂ ಯಾವುದೇ ಕಾರಣದಿಂದ ಸರ್ಕಾರಕ್ಕೆ ಆಗುವ ನಷ್ಟವನ್ನು ಕಂಪನಿಯಿಂದ ಭರಿಸಿಕೊಳ್ಳುವ ಅಧಿಕಾರವನ್ನು ಸರ್ಕಾರವು ಹೊಂದಿರುತ್ತದೆ.

36. ಭವಿಷ್ಯದಲ್ಲಿ ಯಾವುದೇ ಕೆಲಸಗಳನ್ನು ನೀರಿನ ಶೇಖರಣೆ ಉಪಯೋಗ ಮತ್ತು ಇನ್ಯಾವುದೇ ಕಾರಣಗಳಿಗಾಗಿ ಸರ್ಕಾರವು ಕಂಪನಿಯ ಅನುಮತಿಯಿಲ್ಲದೆ ಕೈಗೆತ್ತಿಕೊಳ್ಳಬಹುದು. ಈ ರೀತಿಯ ಕೆಲಸಗಳನ್ನು ಕೈಗೆತ್ತಿಕೊಂಡಲ್ಲಿ ಕಂಪನಿಯ ಉತ್ಪಾದನೆಗೆ ಯಾವುದೇ ರೀತಿಯ ತೊಂದರೆಯಾದಲ್ಲಿ ಸರ್ಕಾರವು ಯಾವುದೇ ರೀತಿ ಜವಾಬ್ದಾರರಲ್ಲ. ಹಾಗೂ ಕಂಪನಿಯ ಯೋಜನೆಯಾಗಲಿ ಅಥವಾ ಕಂಪನಿಯ ಅಸ್ತಿ ಮುಳುಗಡೆಯಾದಲ್ಲಿ ಅಥವಾ ಇನ್ಯಾವುದೇ ತೊಂದರೆಯಾದಲ್ಲಿ, ಸರ್ಕಾರವು ಜವಾಬ್ದಾರರಲ್ಲ ಅಥವಾ ಯಾವುದೇ ಪರಿಹಾರವನ್ನು ಸರ್ಕಾರವು ನೀಡುವುದಿಲ್ಲ. ಈ ಕೆಲಸ ಕಾರ್ಯಗಳನ್ನು ಸರ್ಕಾರವು ಕಂಪನಿಯ ಯೋಜನೆಯ ಮೇಲ್ಭಾಗದಲ್ಲಾಗಲಿ ಅಥವಾ ಕೆಳಭಾಗದಲ್ಲಾಗಲಿ ಕೈಗೆತ್ತಿಕೊಳ್ಳಬಹುದು.

37. ಈ ಯೋಜನೆಯ weir ನಲ್ಲಿ ಶೇಖರಣೆ ಮಾಡುವ ಹಿನ್ನೀರಿನಿಂದ Communication problem ಅಂದರೆ Surface transport, electrical, electronics ಅಥವಾ ಇನ್ಯಾವುದೇ ರೀತಿಯ ಅಡಚಣೆಯಾದಲ್ಲಿ ಕಂಪನಿಯೇ ತನ್ನ ಖರ್ಚಿನಲ್ಲಿ New communication network ಅನ್ನು ಸರ್ಕಾರ ನಿಗಧಿಪಡಿಸಿರುವ ರೀತಿಯಲ್ಲಿ ಕಂಪನಿಯು ತಂಟೆ ತಕರಾರುಗಳಿಲ್ಲದೆ ಮಾಡಬೇಕು.

38. ಕಂಪನಿಯ ಯೋಜನಾ ವರದಿಯಲ್ಲಿರುವ ವಿನ್ಯಾಸಗಳನ್ನು ಹೊರತುಪಡಿಸಿದಲ್ಲಿ ಅಥವಾ ಮಾರ್ಪಾಡು ಮಾಡಿದಲ್ಲಿ, ಕಂಪನಿಯು ಸರ್ಕಾರಕ್ಕೆ ಅಥವಾ ಸರ್ಕಾರದಿಂದ ನೇಮಕವಾದ ಅಧಿಕಾರಿಗೆ ಮುನ್ಸೂಚನೆ ನೀಡುವುದು ಹಾಗೂ ಇಂಥ ಮಾರ್ಪಾಡುಗಳಿಗೆ ಸರ್ಕಾರದಿಂದ ಪರವಾನಿಗೆ ಪಡೆಯಬೇಕು. ಅವಶ್ಯವಿದ್ದಲ್ಲಿ ಕಂಪನಿಯು ಹೊಸ Full agreement or Supplementary agreement ಗಳನ್ನು ಮಾಡಿಕೊಳ್ಳಬೇಕು.

For GRASIM INDUSTRIES LTD.,
Unit: Harihar Polyfibers
Subhas Kumar Sharma
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(AUTHORISED)

39. ಸ್ಥಾಪನೆಯಾಗಲಿರುವ ಘಟಕದ ಎಲ್ಲಾ ಅಂಗಗಳನ್ನು (Electrical, Mechanical, Civil,Components,/Structures etc.,) ಕಂಪನಿಯು ಅನುಮೋದಿತ ವಿನ್ಯಾಸಗಳಂತೆ ಹಾಗೂ ನಿಗದಿತ ಗುಣಮಟ್ಟದಂತೆ ಮಾಡಲಾಗಿದೆಯೇ ಎಂಬುದರ ಬಗ್ಗೆ ಸಂಬಂಧಪಟ್ಟ ಸರ್ಕಾರಿ ಇಲಾಖೆ (ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಕ್ರೆಡಲ್ ಹಾಗೂ ಕೆ.ಪಿ.ಟಿ.ಸಿ.ಎಲ್) ಗಳಿಂದ ದೃಢೀಕರಿಸಿದ ನಂತರವೇ ಯೋಜನೆಯನ್ನು ಚಾಲನೆಗೊಳಿಸತಕ್ಕದ್ದು.

40. ಲಿನ ನಿಬಂಧ ಗಳ . ಸ್ಥಳೀಯವಾಗಿ ಅಗತ್ಯ ನಿಸುವ ಇತ ೀ ಯಾವು ೀ ನಿಬಂಧ ಗಳನ್ನು ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಸಂಬಂಧಪಟ್ಟ ಅಧಿಕಾರಿಯವರು ಸೂಚಿಸಿದಲ್ಲಿ, ಅವುಗಳನ್ನು ಆಳವಡಿಸಿ ಸೂಕ್ತ ಪೂರಕ ಕರಾರನ್ನು ಕಂಪನಿಯವರು ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಅಧಿಕಾರಿಗಳೊಂದಿಗೆ ಮಾಡಿಕೊಳ್ಳತಕ್ಕದ್ದು. (ಹಿಂದಿನ ನೀರಿನ ಹಂಚಿಕೆಯೂ ಸೇರಿದಂತೆ) ಯೋಜನೆಯನ್ನು ಕಾರ್ಯಗತಗೊಳಿಸುವ ಮುನ್ನಾ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಸಂಬಂಧಪಟ್ಟ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್‌ರವರೊಂದಿಗೆ ಮೇಲಿನ ಎಲ್ಲಾ ನಿಬಂಧನೆಗಳನ್ನು ಒಳಪಡಿಸಿ ಸೂಕ್ತ ಕರಾರನ್ನು ಮಾಡಿಕೊಳ್ಳತಕ್ಕದ್ದು. ಮತ್ತು ಅವರ ನಿರ್ದೇಶನದ ಅನುಸಾರ ಯೋಜನೆಯನ್ನು ಕಾರ್ಯಗತಗೊಳಿಸತಕ್ಕದ್ದು.

ಎ) ಕರ್ನಾಟಕ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ನಿರಾಕ್ಷೇಪಣಾ ಪತ್ರವನ್ನು ಅವಧಿ ಮೀರುವ ಮುನ್ನ ಕಾಲಕಾಲ ಪಡೆದು ಈ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.

ಬಿ) ಭದ್ರತಾ ಠೇವಣಿ ರೂಪದಲ್ಲಿ ರೂ. 3,00,000-00 ಗಳನ್ನು ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ಕ.ನೀ.ನಿ.ನಿ. ನಂ. 5 ಭದ್ರಾ ನಾಲಾ ವಿಭಾಗ, ದಾವಣಗೆರೆ ಇವರ ಹೆಸರಿಗೆ ಅಡಮಾನ ಮಾಡುವುದು. ಹಾಗೂ ಭದ್ರತಾ ಠೇವಣಿ ಅವಧಿ ಮುಗಿಯುವ ಮುನ್ನ ಕ್ರಮವಾಗಿ ನವೀಕರಿಸತಕ್ಕದ್ದು. (A/C No. 40304607036 Date: 20.07.2021 State Bank of India, Kumarapatnam)

ಸಿ) ಕರಾರನ್ನು ದಿನಾಂಕ: 01.07.2020 ರಿಂದ 30.06.2025 ರವರೆಗೆ ನವೀಕರಿಸಿಕೊಳ್ಳಲಾಗಿದ್ದು, ಅವಧಿಗೆ ಮುನ್ನ ಕರಾರು ನವೀಕರಿಸಿಕೊಳ್ಳಲು ಇಲಾಖಾ ನಿಯಮಾನುಸಾರ ಕ್ರಮವಹಿಸತಕ್ಕದ್ದು.

ಡಿ) ಸರ್ಕಾರದಿಂದ/ನಿಗಮದಿಂದ ಕಾಲಕಾಲಕ್ಕೆ ಸೂಚಿಸಲಾಗುವ ನಿಯಮ/ಷರತ್ತುಗಳಿಗೆ ಬದ್ಧರಾಗಿರತಕ್ಕದ್ದು.

ಇ) ನದಿಯಲ್ಲಿ ನೀರಿನ ಹರಿಯುವಿಕೆಯ ಲಭ್ಯತೆಯ ಆಧಾರದ ಮೇಲೆ ಕುಡಿಯುವ ನೀರಿಗಾಗಲೀ ಅಥವಾ ನೀರಾವರಿಗಾಗಲೀ ಯಾವುದೇ ತರಹದ ತೊಂದರೆಯಾಗದಂತೆ ನದಿಯ ನೀರಿನ ಹರಿಯುವಿಕೆಗೆ ಯಾವುದೇ ತಡೆಯೊಡ್ಡದೆ, ನದಿಯ ಪಥವನ್ನು ಬದಲಾಯಿಸದೇ ಕೈಗಾರಿಕಾ ಉದ್ದೇಶಕ್ಕೆ ನೀರನ್ನೆತ್ತಿಕೊಳ್ಳತಕ್ಕದ್ದು.

ಎಫ್) **ಸರ್ಕಾರವು ಕಾಲಕಾಲಕ್ಕೆ ನಿಗದಿಪಡಿಸಿದ ನೀರಿನ ದರವನ್ನು ಪ್ರತಿ ತಿಂಗಳು ಸಮಯಕ್ಕೆ ಸರಿಯಾಗಿ ಪಾವತಿಸತಕ್ಕದ್ದು. ತಪ್ಪಿದ್ದಲ್ಲಿ 1964 ಮತ್ತು 1965ರ ಕರ್ನಾಟಕ ನೀರಾವರಿ ಕಾಯ್ದೆಯನ್ವಯ ಕ್ರಮ ತೆಗೆದುಕೊಂಡು ದಂಡ ವಿಧಿಸಲಾಗುವುದು.**

ಜಿ) ಮೇಲಿನ ಎಲ್ಲಾ ನಿಯಮಗಳನ್ನು ಚಾಚೂ ತಪ್ಪದೇ ಪಾಲಿಸತಕ್ಕದ್ದು. ಒಂದು ವೇಳೆ ಯಾವುದೇ ನಿಯಮವನ್ನು ಉಲ್ಲಂಘಿಸಿದಲ್ಲಿ ಸದರಿ ಕರಾರು ಸ್ವಯಂಚಾಲಿತವಾಗಿ ರದ್ದಾಗುವುದು.

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SUBHAS K. SHARMA
(HOD)

ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು,
ಮೆ॥ ಗ್ರಾಸಿಂ ಇಂಡಸ್ಟ್ರೀಸ್ ಲಿ.,
(ಹರಿಹರ ಪಾಲಿಫೈಬರ್ಸ್)
ರಾಣೆಬೆನ್ನೂರು.

ಕಾರ್ಯ[illegible] ಇಂಜಿನಿಯರ್,
ಕನೀನಿ, ನಂ. [illegible] ಭದ್ರಾ ನಾಲಾ ವಿಭಾಗ,
ದಾವಣಗೆರೆ.

ಸಾಕ್ಷಿದಾರರು

1.

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