

PAL/TKD/F&S/2022/013 &
18th January, 2022



TH : SPEED POST



Dr. A.K. Gupta
Scientist – C
Ministry of Environment, Forest & Climate Change,
Regional Office (Central Region),
Kendriya Bhawan, 5th Floor,
Sector – H, Aliganj,
LUCKNOW – 226 024.

Sub : Expansion of Acrylic Fibre Manufacturing Unit (130 TPD to 200 TPD) by M/s Pasupati Acrylon Limited located at Kashipur road, Thakurdwara, Moradabad District, Uttar Pradesh – consideration of Environment Clearance.

Dear Sir,

This has reference to the Environment Clearance issued to us from Ministry of Environment, Forest and Climate change vide Letter No. IA-J-11011/217/2019-IA-II (I) on the aforesaid subject matter. The point-wise compliance report (for the month of June, 2021 to September, 2021) of the conditions given in the Environment Clearance issued to us is enclosed for your kind perusal & information.

Thanking you,

Yours' faithfully,
For **PASUPATI ACRYLON LTD.**

(S.P. GUPTA)
DIRECTOR (OPERATIONS)

Encl.: As above

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18/1/22

PASUPATI ACRYLON LTD.

REGD. OFFICE & WORKS : KASHIPUR ROAD, THAKURDWARA- 244 601, DISTT. MORADABAD (U.P.)
 E-MAIL : works@pasupatiacrylon.com • pasupati_tkd@rediffmail.com

CORPORATE OFFICE : M-14, CONNAUGHT CIRCUS (MIDDLE CIRCLE), NEW DELHI-110 001 (INDIA) PHONE: EPABX- 47627400
 Fax : 91-11-47627497, 47627498 E-MAIL : delhi@pasupatiacrylon.com VISIT OUR SITE : <http://www.pasupatiacrylon.com>
 CIN : L50102UP1982PLC015532

A. Specific Conditions:

Sl. No.	Conditions	Compliance status
(i)	The company shall immediately switch to usage of gas as fuel completely as and when available in the area, till then PP should work upon reducing coal usage by 10% every year so that it is replaced by bio-briquettes gradually.	We shall switch to usage gas as fuel completely as and when available in the area, till then the feasibility to reduce the coal usage by 10% every year is being worked out so that it is replaced by bio-briquettes gradually.
(ii)	The company shall comply with all the environmental protection measures and safe guards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	We have already complied with all the environmental protection measures and safe guards proposed in the documents submitted to the ministry. The implementation of all the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project is under progress.
(iii)	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.	We have obtained Consent To Establish from Pollution Control Board, Lucknow (U.P.) vide letter No. 135155/UPPCB/MORADABAD (UPPCBRO)/CTE/MORADABAD/2021 dated 15.12.2021. We will obtain Consent To Operate from UPPCB, Lucknow before start of operation of the project.
(iv)	Total fresh water requirement shall not exceed 1249 KLD proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority. The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.	We assure you that the total fresh water requirement will not exceed 1249 KLD proposed to be met from ground water. Prior permission in this regard has already been obtained from the concerned regulatory authority. We are using the treated water in our cooling tower as make up and achieving Zero Liquid Discharge. No waste or treated water is discharged outside the premises.
(v)	Necessary authorization required under the Hazardous and other waste (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.	We have already obtained the authorization from U.P. Pollution Control Board, Lucknow (U.P.) under the provision of Hazardous and other waste (Management and Trans-boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 vide letter No. 13785/UPPCB/Moradabad (UPPCBRO/HWM/Moradabad/2021) dated 02.03.21. The Hazardous Waste Authorization issued to us is valid upto 02.03.2026. All the provisions contained in the Rules are being strictly adhered to.
(vi)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and / or the NAAGS. The gaseous emissions shall be dispersed through the stack of adequate height as per CPCB/SPCS guidelines.	The Electrostatic Precipitator and Gas scrubbing system has been installed for control of air emission. The height of the chimney attached with Boiler is 60 meters and meets the norms of CPCB and SPCS guidelines. On line monitoring device has been provided with the Boiler stack and data is transmitted to the server of CPCB. Web Camera has also been

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		installed at the requisite location as per CPCB guidelines and connected with the server of CPCB / SPCB both.
(vii)	<p>a). Reactor shall be connected to chilled brine condenser system.</p> <p>b). Reactor and solvent handling pump shall have mechanical seal to prevent leakages.</p> <p>c). The condensers shall be provided with sufficient HTA and Residence time so as to achieve more than 98% recovery.</p> <p>d). Solvents shall be stored in a separate spaces specified with all safety measures.</p> <p>e). Proper earthing shall be provided in all electrical equipment wherever solvent handling is done.</p> <p>f). Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.</p>	<p>Already complied with.</p> <p>Reactor and solvent handling pump has been provided with mechanical seal to prevent leakages.</p> <p>Already provided.</p> <p>Solvent have been stored in a separate space specified with all safety measures like dyke wall, vent line with flame arrester, pressure relief valve, EPC, Temp & Pressure gauge etc.</p> <p>All the electrical equipments / installations have been provided with proper earthing and all electrical equipments are flame proof, wherever solvent handling is being done.</p> <p>All electrical equipments, in chemical handling areas, are flame proof. The solvent storage tanks have been provided with breather valve to prevent losses.</p>
(viii)	Rain water shall be collected and stored in tanks and utilized in plant activities to reduce ground water usage instead of recharging. The storm water from premises shall be collected and discharged through a separate conveyance system.	It is being studied and system will be made to collect the rain water.
(ix)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farms and solvent transfer through pumps. The company shall strictly comply with the rules and guidelines under manufacture, storage and Import of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The Hazardous Chemicals are stored in tanks, drums and carboys etc. Flame arresters have been provided on the storage tanks and solvent transfer is done through the pumps. We are strictly complying the provisions specified in 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 is being done in accordance with the provisions laid down in Motor Vehicle Act (MVA), 1989.
(x)	Process organic residue and spent carbon, if any, shall be sent to Cement Industries.	Ash generated from the Boiler is given to the contractor who sends the same to the Cement Industries for making cement. The process organic residue generated in small quantity from the bottom of distiller in 650 area is diluted with hot water and send to ETP for treatment.
(xi)	ETP sludge, process in organic and evaporation salt shall be disposed off to	The ETP sludge is disposed off to TSDF Ramky, Kanpur for safe disposal. The

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	TSDF.	generation of process inorganic and evaporation salt is not applicable.																														
(xii)	<p>The company shall undertake waste minimization measures as below :-</p> <p>a). Metering and control of active ingredients to minimize waste.</p> <p>b). Reuse of by-product from the process as raw materials or as raw material substitutes in other processes.</p> <p>c). Use of Automated filling to minimize spillage.</p> <p>d). Use of close feed system into batch reactors.</p> <p>e). Venting equipment through vapour recovery system.</p> <p>f). Use of high pressure hoses for equipment cleaning to reduce waste water generation.</p>	<p>Already being followed.</p> <p>Not applicable as no by-product is generated from the process.</p> <p>Filling / Transfer of chemical is carried out by the pump through close loop to prevent spillage.</p> <p>Close feed system is being used.</p> <p>Being followed.</p> <p>Already being followed.</p>																														
(xiii)	The green belt at-least 5-10 M width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in down ward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with state forest department.	80 meters wide green belt has been developed around the boundary wall of factory premises. The total green belt area is 74.7% of the total plot area of the factory including plant periphery, down ward wind direction and along road sides. The plant species of green belt area are in accordance with the Pollution Control Board guidelines and with consent of the state forest department.																														
(xiv)	<p>As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the corporate Environmental Responsibility and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centres / support in nearby village's school, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc, in the nearby villages. The action plan shall to be completed within time as proposed.</p>	<p>We have proposed to invest an amount of Rs. 20 lacs in five years under Corporate Environment Responsibility. The break-up is given below :</p> <p>Skill Development : Training to poor & unskilled person of nearby area :</p> <table> <tbody> <tr> <td>1st year</td> <td>-</td> <td>Rs. 4,00,000/-</td> </tr> <tr> <td>2nd year</td> <td>-</td> <td>Rs. 4,00,000/-</td> </tr> <tr> <td>3rd year</td> <td>-</td> <td>Rs. 4,00,000/-</td> </tr> <tr> <td>4th year</td> <td>-</td> <td>Rs. 3,00,000/-</td> </tr> <tr> <td>5th year</td> <td>-</td> <td>Rs. 2,00,000/-</td> </tr> </tbody> </table> <p>Green Belt Development :</p> <table> <tbody> <tr> <td>1st year</td> <td>-</td> <td>Rs. 80,000/-</td> </tr> <tr> <td>2nd year</td> <td>-</td> <td>Rs. 70,000/-</td> </tr> <tr> <td>3rd year</td> <td>-</td> <td>Rs. 50,000/-</td> </tr> <tr> <td>4th year</td> <td>-</td> <td>Rs. 50,000/-</td> </tr> <tr> <td>5th year</td> <td>-</td> <td>Rs. 50,000/-</td> </tr> </tbody> </table>	1 st year	-	Rs. 4,00,000/-	2 nd year	-	Rs. 4,00,000/-	3 rd year	-	Rs. 4,00,000/-	4 th year	-	Rs. 3,00,000/-	5 th year	-	Rs. 2,00,000/-	1 st year	-	Rs. 80,000/-	2 nd year	-	Rs. 70,000/-	3 rd year	-	Rs. 50,000/-	4 th year	-	Rs. 50,000/-	5 th year	-	Rs. 50,000/-
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		We have spent an amount of Rs. 1,84,680/- under Corporate Environmental Responsibility for the period from 01.04.2021 to 30.09.2021. The detail of expenses is enclosed as Annexure-1.
(xv)	For DG sets, emission limits and stack height shall be in conformity with the extant regulations and CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	We have five DG sets. Four DG sets each of 1000 KVA capacity and one DG set of 1250 KVA capacity. These DG sets are being used as standby since the installation of 8 MW TG. The height of stack of each DG set is 6.5 meters (above roof level) and it meets the norms and guidelines of CPCB. Each DG set is fitted with silencer to control noise pollution.
(xvi)	The unit shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling. Fire fighting system shall be as per the norms.	The adequate fire fighting arrangements such as fire hydrants, water monitors, sprinkler system, smoke detector, fire doors, portable fire extinguishers, foam compound in foam tank (15000 litres), fire pump house, fire water reservoir etc. have been provided for mitigating the fire eventuality effectively. The entire fire fighting system is as per the norms.
(xvii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	The occupational health surveillance of the workers is being carried out on a regular basis and record for the same is maintained as per the provision specified in Factories Act.
(xviii)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Raw materials like ACN, VA & DMF are stored in the storage tank and AZDN, AMPS etc. are stored in a storage room covered from all the sides to prevent dust pollution and other fugitive emissions.
(xix)	Continuous on-line (24 x 7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration and data to be transmitted to the CPCB and SPCB Server. For on-line 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.	The continuous on-line (24 x 7) monitoring system for stack emissions has been installed for measurement of flue gas discharge and pollutants concentrations and data is transmitted to the CPCB / SPCB server web camera with night vision capability and flow meter has also been installed as per the norms of Pollution Control Board.
(xx)	The energy sources for lighting purposes shall preferably be LED based.	The energy sources for lighting purposes installed in factory premises is LED based.
(xi)	The transportation of raw materials / products should be carefully performed using GPS enabled vehicles.	The transportation of raw materials / products is being carefully performed using GPS enabled vehicles.

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B. General condition:

Sr. No.	Condition	Compliance
(i)	No further expansion or modification in the plant other than mentioned in EIA notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and climate change/SEIAA as applicable. In case of deviations or alteration in project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry/SEIAA, as applicable to assess the adequacy of conditions imposed and to add additional protection measures required, if any.	We assure you that no further expansion or modification in the plant other than mentioned in EIA notification shall be carried out without prior approval of the ministry of Environment, forest and climate change/SEIAA.
(ii)	The energy source for lighting purpose shall be preferably LED based or advanced having preference in energy conservation and environment betterment.	The energy source for lighting purpose provided in our factory premises is preferably LED based for betterment and energy conservation.
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measure including acoustic hood, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA(day time) and 70 dBA (night time).	The overall noise levels in and around the plant area are always maintained well within the standards as noise control measures like silencers, enclosures etc. have been provided and workers always use ear plug and ear muff for protection against noise.
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-development measures including welfare measures in the project area for overall improvement of the environment.	We are taking various measures like plantation, repairing of damaged pathways, filling of earth in the ditches developed on the brick soled walkway etc. for improving the socio-economic conditions of the surrounding area. We have undertaken skill development and greenbelt development (plantation) under CER activities for overall improvement of the environment.

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(v)	<p>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.</p>	<p>The capital cost is Rs. 750 lacs & recurring cost Rs.128.21 lacs/annum for environment management / pollution control measures. Details given below:</p> <p><u>Capital cost per annum(Rs. in lacs)</u></p> <table border="0"> <tbody> <tr> <td>APC system : ESP &</td><td>-</td><td>326</td></tr> <tr> <td>Gas treatment</td><td>-</td><td></td></tr> <tr> <td>Water pollution</td><td>-</td><td>350</td></tr> <tr> <td>Control system – ETP</td><td>-</td><td></td></tr> <tr> <td>Hazardous waste</td><td>-</td><td>24</td></tr> <tr> <td>Management</td><td>-</td><td></td></tr> <tr> <td>Plantation</td><td>-</td><td>50</td></tr> <tr> <td></td><td>-</td><td>-----</td></tr> <tr> <td></td><td></td><td>750 lac</td></tr> <tr> <td></td><td></td><td>-----</td></tr> </tbody> </table> <p><u>Recurring cost/annum (Rs in lacs)</u></p> <table border="0"> <tbody> <tr> <td>Operation & Maintn. of</td><td>-</td><td>123</td></tr> <tr> <td>ESP & gas treatment</td><td>-</td><td></td></tr> <tr> <td>Plant & ETP</td><td>-</td><td></td></tr> <tr> <td>Health check up</td><td>-</td><td>0.3</td></tr> <tr> <td>Air/Water quality</td><td>-</td><td>0.8</td></tr> <tr> <td>Monitoring by NABL</td><td>-</td><td></td></tr> <tr> <td>Approved lab</td><td>-</td><td></td></tr> <tr> <td>Environment statement</td><td>-</td><td>0.5</td></tr> <tr> <td>Report</td><td>-</td><td></td></tr> <tr> <td>Waste management</td><td>-</td><td>1.45</td></tr> <tr> <td>DMF checking by</td><td>-</td><td>0.16</td></tr> <tr> <td>Dragger tube</td><td>-</td><td></td></tr> <tr> <td>Plantation & misce- llaneous</td><td>-</td><td>2.0</td></tr> <tr> <td></td><td>-</td><td>-----</td></tr> <tr> <td></td><td></td><td>128.21L</td></tr> <tr> <td></td><td></td><td>-----</td></tr> </tbody> </table> <p>An amount of Rs. 66.0 lacs has been spent till now i.e. for the period from April-2021 to September-2021 under recurring cost for environment management/pollution control measures.</p>	APC system : ESP &	-	326	Gas treatment	-		Water pollution	-	350	Control system – ETP	-		Hazardous waste	-	24	Management	-		Plantation	-	50		-	-----			750 lac			-----	Operation & Maintn. of	-	123	ESP & gas treatment	-		Plant & ETP	-		Health check up	-	0.3	Air/Water quality	-	0.8	Monitoring by NABL	-		Approved lab	-		Environment statement	-	0.5	Report	-		Waste management	-	1.45	DMF checking by	-	0.16	Dragger tube	-		Plantation & misce- llaneous	-	2.0		-	-----			128.21L			-----
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(vi)	<p>A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, urban local body and local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.</p>	<p>A copy of the clearance letter has been sent to the Panchayat, President Municipal Corporation, Thakurdwara and Gram Pradhan, Faridnagar vide our letter No. PAL/TKD/F&S/2021/1038 dated 19/6/2021.The photocopy of the above letter is enclosed as Annexure-2 for your kind perusal and information.</p>																																																																														

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(vii)	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 copy as well as by email to the regional office of the 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.	We are submitting the six monthly reports on the status of compliance of the stipulated environmental clearance conditions and monitoring data is enclosed as Annexure-3. A copy of the environmental clearance and six monthly compliance status report is being sent to our H.O. for uploading the same on web site of the company.
(viii)	The environmental statement for each financial year ending 31 st 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 web site of the company along with the status of compliance of the environmental conditions and shall also be sent to the respective regional offices of the MOEF & CC by email.	The environmental statement report (in form-V) for financial year 2020-21 has already been submitted to UP Pollution Control Board, Lucknow vide our letter No. PAL/TKD/F&S/2021/1290 dated 9 th Aug'21. The photocopy of the above letter is enclosed as Annexure-4 for your perusal and kind information.
(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copy of the clearance letter are available with SPCB/Committee and may also be seen at web site of the ministry at https://parivesh.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	We have already informed the public that M/s Pasupati Acrylon Ltd. has been accorded EC by the ministry by advertising the same in two local newspapers. The copy of the clearance letter is available with SPCB/Committee and may also be seen at web site of the ministry. A copy of the same has also been forwarded to the concerned regional office of the ministry. The photocopy of the advertisement and letter sent to regional office of the ministry is enclosed as Annexure-5 for your perusal.
(x)	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and date of start of project.	Noted for compliance. We will 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 date of start of project.
(xi)	This environmental clearance is granted subject to final outcome of the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other court of law, if any, as may be applicable to this project.	We noted that the environmental clearance has been granted subject to final outcome of the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other court, as may be applicable to this project.

Ans

21.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
22.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
23.	Any appeal against this environmental clearance shall be with the National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted.
24.	The above conditions will be enforced inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management), Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Noted.
25.	This issues with the approval of the competent authority.	Noted.

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PASUPATI ACRYLON LIMITED (TKD.)

FACTORY & REGD. OFFICE: KASHIPUR ROAD, THAKURDWARA, DISTT. MORADABAD- 244601 UP (INDIA)

Corporate Environmental Responsibility

Ledger From 01/04/2021 To 30/09/2021

Date VR No.	VR Type Entry/Bill No	Particulars	Debit (Rs.)	Credit (Rs.)	Balance
01/04/2021		Opening Balance			0.00
06/07/2021 35	CPV-W	CASH (WORKS) BEING CASH PAID TO MR. NIYAMAT AG. PURCHASE COW DUNG	8,440.00		8,440.00 Dr
06/07/2021 36	CPV-W	CASH (WORKS) BEING CASH PAID TO MR. GAFFAR AG. COW DUNG	7,700.00		16,140.00 Dr
13/09/2021 17	Journal-W	SALARY (BASIC) BEING AMOUNT TRF TO CER FOR THE MONTH OF APRIL TO AUGUST 2021 TOWARDS TRAINNING & SKILL DEVELOPMENT OF TRAINEES	117,098.00		133,238.00 Dr
18/09/2021 164	CPV-W	CASH (WORKS) BEING CASH PAID TO MR. RAJENDRA SINGH AG. MAINTINANCE OF NEW PLANTS	10,000.00		143,238.00 Dr
30/09/2021 65	Journal-W	C.Lib.Prov For Expenses BEING PROVISION MADE FOR SEPT-21	16,425.00		159,663.00 Dr
30/09/2021 69	Journal-W	SALARY (BASIC) CER MONTH OF SEP21	25,017.00		184,680.00 Dr
Closing Balance			184680.00	0.00	184,680.00 Dr

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Pasupati
Acrylon Ltd.

पाल / टीकेडी / एफ.एण्ड.एस. / 2021
दि० 19/6/2021



Quality Assured Company
ISO 9001:2015

सेवा में,

श्रीमान अध्यक्ष महोदय,
जिला पंचायत,
मुरादाबाद (यू०पी०)

विषय: पशुपति एकीलान फैक्टरी में एकीलिक फाइबर की उत्पादन क्षमता 130 मीट्रिक टन प्रतिदिन से बढ़ाकर 200 मीट्रिक टन प्रतिदिन किए जाने हेतु पर्यावरण एवं वन मंत्रालय, भारत सरकार से प्राप्त मंजूरी के संबंध में।

महोदय,

उपरोक्त के संबंध में हम आपको अवगत कराना चाहते हैं कि हमारी फैक्टरी में निर्मित एकीलिक फाइबर की उत्पादन क्षमता 130 मीट्रिक टन प्रतिदिन से बढ़ाकर 200 मीट्रिक टन प्रतिदिन करने हेतु पर्यावरण मंत्रालय, भारत सरकार से पर्यावरण क्लीयरेन्स प्राप्त करने हेतु दिनांक 20/5/2019 को आवेदन किया गया था तथा उक्त मंत्रालय द्वारा दिनांक 11 जून, 2021 को पर्यावरण क्लीयरेन्स प्रदान कर दिया गया है जिसकी फोटोप्रति आपकी जानकारी हेतु पत्र के साथ संलग्न है।

धन्यवाद,

भवदीय,
कृते पशुपति एकीलान लिमिटेड

एस० पी० गुप्ता,
डायरेक्टर (आपरेसन्स)

संलग्नक: उपरोक्त

प्रतिलिपि:

1. श्रीमान अध्यक्ष, नगरपालिका परिषद, ठाकुरद्वारा जिला मुरादाबाद।
2. श्रीमान ग्रम प्रधान, फरीदनगर, ठाकुरद्वारा जिला मुरादाबाद।

PASUPATI ACRYLON LTD.

□ REGD. OFFICE & WORKS : KASHIPUR ROAD, THAKURDWARA- 244 601, DISTT. MORADABAD (U.P.)
□ E-MAIL : works@pasupatiacrylon.com • pasupati_tkd@rediffmail.com

□ CORPORATE OFFICE : M-14, CONNAUGHT CIRCUS (MIDDLE CIRCLE), NEW DELHI-110 001 (INDIA) □ PHONE: EPABX- 47627400

□ Fax : 91-11-47627497, 47627498 □ E-MAIL : delhi@pasupatiacrylon.com □ VISIT OUR SITE : <http://www.pasupatiacrylon.com>

□ CIN : L50102UP1982PLC015532



ETS-LAB

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An Analytical Laboratory

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original copy
July-21
To
Sep-21

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TEST REPORT

TEST REPORT NO.: ETS/1412-25/10/2021

DATE OF REPORT:

05.10.2021

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer	:	M/S, PASUPATI ACRYLON LIMITED THAKURDWARA, DISTRICT- MORADABAD
Date of Monitoring	:	30.09.2021
Analysis Start Date	:	01.10.2021
Analysis End Date	:	04.10.2021
Duration Of Monitoring	:	30.09.2021 To 01.10.2021
Time Of Monitoring	:	10.20 AM To 10:20 AM
Sample ID No	:	1412-25
Sampling Done By	:	ETS STAFF
Sampling Location	:	NEAR TEMPLE
Sampling Method	:	ETS/STP/AIR-01
Sampling Machine Placed At Height	:	1.5 METER FROM GROUND LEVEL
Weather Condition	:	CLEAR Ambient Temperature: 35.0 °C
Wind Direction	:	E To W
Equipment Used	:	Respirable Dust Sampler (PM ₁₀) + Fine Particulate Sampler (PM _{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	58.4	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	24.7	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	12.6	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	25.1	For 24 Hrs.=80	IS: 5182 (Partt-6)

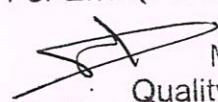


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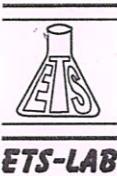
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 Md Humraj
 Quality Manager
AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-01, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TEST REPORT

TEST REPORT NO.: ETS/1412-26/10/2021

DATE OF REPORT:

05.10.2021

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer	:	M/S, PASUPATI ACRYLON LIMITED THAKURDWARA, DISTRICT- MORADABAD
Date of Monitoring	:	30.09.2021
Analysis Start Date	:	01.10.2021
Analysis End Date	:	04.10.2021
Duration Of Monitoring	:	30.09.2021 To 01.10.2021
Time Of Monitoring	:	10.25 AM To 10:25 AM
Sample ID No	:	1412-26
Sampling Done By	:	ETS STAFF
Sampling Location	:	NEAR MATERIAL GATE
Sampling Method	:	ETS/STP/AIR-01
Sampling Machine Placed At Height	:	1.5 METER FROM GROUND LEVEL
Weather Condition	:	CLEAR Ambient Temperature: 35.0 °C
Wind Direction	:	E To W
Equipment Used	:	Respirable Dust Sampler (PM ₁₀) + Fine Particulate Sampler (PM _{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	64.5	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	28.3	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	14.8	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	26.7	For 24 Hrs.=80	IS: 5182 (Partt-6)



Page 1 of 1

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Md Humraj
Quality Manager

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TEST REPORT

TEST REPORT NO.: ETS/1412-27/10/2021

DATE OF REPORT:

05.10.2021

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer	:	M/S, PASUPATI ACRYLON LIMITED THAKURDWARA, DISTRICT- MORADABAD
Date of Monitoring	:	30.09.2021
Analysis Start Date	:	01.10.2021
Analysis End Date	:	04.10.2021
Duration Of Monitoring	:	30.09.2021 To 01.10.2021
Time Of Monitoring	:	10.30 AM To 10:30 AM
Sample ID No	:	1412-27
Sampling Done By	:	ETS STAFF
Sampling Location	:	NEAR CATALYST AREA
Sampling Method	:	ETS/STP/AIR-01
Sampling Machine Placed At Height	:	1.5 METER FROM GROUND LEVEL
Weather Condition	:	CLEAR Ambient Temperature: 35.0 °C
Wind Direction	:	E To W
Equipment Used	:	Respirable Dust Sampler (PM ₁₀) + Fine Particulate Sampler (PM _{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	62.0	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	30.3	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	14.8	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	26.5	For 24 Hrs.=80	IS: 5182 (Partt-6)

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Md Humraj

Quality Manager

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TEST REPORT

TEST REPORT NO.: ETS/1412-28/10/2021

DATE OF REPORT:

05.10.2021

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer	:	M/S, PASUPATI ACRYLON LIMITED THAKURDWARA, DISTRICT- MORADABAD
Date Of Sampling	:	30.09.2021
Analysis Start Date	:	01.10.2021
Analysis End Date	:	04.10.2021
Duration Of Sampling	:	60 MIN
Sample ID No.	:	1412-28
Sampling Done By	:	ETS STAFF
Sampling Method	:	ETS/STP/ STACK-01
Stack Attached To	:	BOILER
Capacity Of Stack	:	50.0 TPH
Quantity Of Fuel Used	:	200.0 TPD
Type Of Fuel Used	:	COAL
Stack Height Above Ground	:	60.0 MTR.
Stack Dia At The Top	:	3060.0 MM
Material Of Construction	:	R.C.C.
Attached APCS	:	ESP
Normal Operating Schedule	:	NORMAL
Ambient Temperature	:	35.0 °C
Flue Gas Temperature	:	158.0 °C
Velocity Of Flue Gases	:	8.0 MTR./SEC.
Quantity Of Emission Discharged	:	211692.26 (m ³ /hr)

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	31.4	150	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	129.7	600	IS-11255 (Part-2)
3	Oxide of Nitrogen,(NOX as NO ₂)	mg/Nm ³	7.8	300	IS-11255 (Part-7)
4	Carbon Monoxide,(CO)	%v/v	0.51	1	IS: 13270

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



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TEST REPORT

TEST REPORT NO. : ETS/1412-30/10/2021

DATE OF REPORT: 05.10.2021

WASTE WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

: M/S, PASUPATI ACRYLON LIMITED
THAKURDWARA, DISTRICT- MORADABAD.

Date of Sampling

: 30.09.2021

Analysis Start Date

: 01.10.2021

Analysis End Date

: 05.10.2021

Sample ID No

: 1412-30

Sampling Done By

: ETS STAFF

Sampling Description

: ETP INLET

Sampling Location

: E.T.P.

Sampling Method

: ETS/STP/WATER-02

Sample Quantity

: 2.0 Ltr.

Packing Condition

: SEALED

Packed In

: P.V.C. CANE

S. No.	Test Parameter	Unit	Result	Test Method
1	pH	...	6.65	APHA 4500-H+
2	Conductivity	µs/cm	2472.0	APHA 2510-B
3	Colour	Hazen	23.0	APHA 2120-B
4	Total Dissolved Solids,(TDS)	mg/L	1706.0	APHA 2540-C
5	Total Suspended Solids,(TSS)	mg/L	83.6	APHA 2540-D
	Chemical Oxygen Demand,(COD)	mg/L	1472.0	APHA 5220-C
	Biological Oxygen Demand(BOD ₃₀ 27°C)	mg/L	488.4	IS: 3025 (Part-44)
8	Oil & Grease, (O & G)	mg/L	14.2	APHA 5520-D

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TEST REPORT

TEST REPORT NO.: ETS/1412-29/10/2021

DATE OF REPORT:

05.10.2021

WASTE WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S, PASUPATI ACRYLON LIMITED
THAKURDWARA, DISTRICT- MORADABAD.

Date of Sampling : 30.09.2021
Analysis Start Date : 01.10.2021
Analysis End Date : 05.10.2021
Sample ID No : 1412-29
Sampling Done By : ETS STAFF
Sampling Description : ETP OUTLET
Sampling Location : E.T.P.
Sampling Method : ETS/STP/WATER-02
Sample Quantity : 2.0 Ltr.
Packing Condition : SEALED
Packed In : P.V.C. CANE

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)		Test Method
				Inland Surface Water	Public Sewers	
1	pH	...	7.34	5.5 - 9.0	5.5 - 9.0	APHA 4500-H+
2	Conductivity	µs/cm	2117.0	Not Specified	Not Specified	APHA 2510-B
3	Colour	Hazen	< 10.0	APHA 2120-B
4	Total Dissolved Solids,(TDS)	mg/L	1461.0	Not Specified	Not Specified	APHA 2540-C
5	Total Suspended Solids,(TSS)	mg/L	37.1	100	600	APHA 2540-D
6	Chemical Oxygen Demand,(COD)	mg/L	103.0	250	Not Specified	APHA 5220-C
7	Biological Oxygen Demand(BOD ₃₀ 27°C)	mg/L	14.5	30	350	IS: 3025 (Part-44)
8	Oil & Grease, (O & G)	mg/L	4.7	10	20	APHA 5520-D

Page 1 of 1

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Ritika
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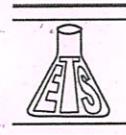
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Md Humraj
Quality Manager
AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO.: ETS/1412-31/10/2021

DATE OF REPORT: 05.10.2021

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S, PASUPATI ACRYLON LIMITED
THAKURDWARA, DISTRICT- MORADABAD.

Date of Sampling : 30.09.2021
Analysis Start Date : 01.10.2021
Analysis End Date : 05.10.2021
Sample ID No : 1412-31
Sampling Done By : ETS STAFF
Sampling Description : GROUND WATER
Sampling Location : BOREWELL WATER
Sampling Method : ETS/STP/WATER-02
Sample Quantity : 2.0 + 0.5 Ltr.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
1	pH	...	7.39	6.5 - 8.5	No Relaxation	APHA 4500-H+
2	Colour	Hazen	< 1.0	5	15	APHA 2120-B
3	Odour	...	Agreeable	Agreeable	Agreeable	APHA 2150-B
	Taste	...	Agreeable	Agreeable	Agreeable	APHA 2160-C
5	Total Dissolved Solids,(TDS)	mg/L	391.0	500	2000	APHA 2540-C
6	Total Suspended Solids,(TSS)	mg/L	<2.0	Not Specified	Not Specified	APHA 2540-D
7	Mercury,(Hg)	mg/L	<0.001	0.001	No Relaxation	APHA-3114C
8	Chromium,(Cr ⁺⁶)	mg/L	<0.05	Not Specified	Not Specified	APHA 3500:(Cr)-B
9	Arsenic,(As)	mg/L	<0.005	0.01	0.05	APHA 3120B
10	Lead,(Pb)	mg/L	<0.005	0.01	No Relaxation	APHA-3120B
11	Chemical Oxygen Demand,(COD)	mg/L	< 5.0	Not Specified	Not Specified	APHA 5220-C
12	Biological Oxygen Demand(BOD ₃₀ 27°C)	mg/L	< 2.0	Not Specified	Not Specified	IS 3025 (Part-44)

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Md Humraj
Quality Manager

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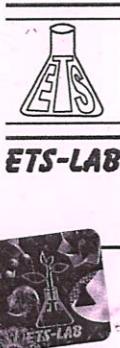
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TEST REPORT

TEST REPORT NO.: ETS/1412-32/10/2021

DATE OF REPORT: 05.10.2021

NOISE MONITORING REPORT

Name And Address of Customer : M/S, PASUPATI ACRYLON LIMITED
THAKURDWARA, DISTRICT- MORADABAD

Date of Monitoring : 30.09.2021
Monitoring Start Date : 30.09.2021
Monitoring End Date : 01.10.2021
Duration Of Monitoring : 8 HOURS
Sample ID No : 1412-32
Monitoring Done By : ETS STAFF
Sampling Location : NEAR TURBINE, BOILER AND COMPRESSOR
Sampling Method : ETS/STP/NOISE-01
Category Of Area : INDUSTRIAL AREA

S. No.	Test Parameter	Result	Specification/Limit (As per Factories Act)
1	Average, dB(A)	73.7	90
2	Maximum, dB(A)	83.9	
3	Minimum, dB(A)	63.5	
4	Leq dB(A)	73.9	

Remark: Day time as per factory shift time.

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

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Page 1 of 1

For Enviro-Tech Services

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through: courier

PAL/TKD/F&S/2021-1290
August 9, 2021

The Member Secretary,
U. P. Pollution Control Board,
TC, 12V, Vibhuti Khand,
Gomti Nagar,
LUCKNOW (U.P.)

Sub: **Environment Statement Report of Pasupati Acrylon Ltd.**
for the financial year 2020-2021

Dear Sir,

The Environment Statement Report for the financial year 2020-21 is enclosed herewith for your kind perusal and information.

We hope that you will find the above in order.

Thanking you,

Yours faithfully,
For PASUPATI ACRYLON LTD.,


(S. P. GUPTA)
DIRECTOR (OPERATIONS)

Encl: As above

Copy: Regional Officer,
U. P. Pollution Control Board,
1-A/I, N. S.-1,
Avas Vikas Colony, Budhi Vihar,
Dehli Road,
MORADABAD (U.P.)

: A copy of the report is also enclosed
for your kind perusal.

RE
S/.....
10/8/21

PAL/TKD/F&S/2021/1033
19th June, 2021

THRU : SPEED POST

Mr. D.P. Sinha (IFS) APCCF(C),
Ministry of Environment, Forest & Climate Change,
Regional Office(CZ), Kendriya Bhawan
5th Floor, Sector H, Aliganj,
LUCKNOW – 226 020.

Sub : Expansion of Acrylic Fibre manufacturing unit (130 TPD to 200 TPD) by M/s
Pasupati Acrylon Ltd. Located at Kashipur road, Thakurdwara, Moradabad District, Uttar
Pradesh.

Dear Sir,

We would like to inform you that Environmental Clearance has been accorded to our industry for enhancement of production capacity of Acrylic Fibre from 130 TPD to 200 TPD. For compliance of the General condition given in the EC, we have informed the public by advertising in two local newspapers that the Environmental Clearance has been issued to us by the ministry of Environment & Forest, New Delhi. The photocopy of the advertisement is enclosed for your kind perusal.

Thanking you,

Yours' faithfully,
For PASUPATI ACRYLON LTD.


(S.P. GUPTA)
DIRECTOR (OPERATIONS)

Encl : As above

हिन्दुस्तान मुख्यमान • गोगलगार • 15 जून 2021 •

पशुपति परिवेश लि. नामदेव निला मुख्यमान

सर्वसाधारण को सूचित किया जाता है कि मुहम्मद गंज, ठाकुरद्वारा जनपद मुख्यमान में स्थित मैसर्स पशुपति एक्सिलोन लि. फैक्ट्री में एक्सिलिक फाइबर की उत्पादन क्षमता 130 मीट्रिक टन प्रतिदिन से बढ़ाकर 200 मीट्रिक टन प्रतिदिन करने के लिए पर्यावरण एवं वन मंत्रालय की मजूरी मिल गई है जिसको परिविलिपि उ.प्र. प्रदूषण नियन्त्रण बोर्ड एवं कमेटी के पास उपलब्ध है इसे पर्यावरण एवं वन मंत्रालय की वेबसाइट <https://parivesh.nic.in> पर भी देखा जा सकता है।

MWS

आमृत विचार

मुरादाबाद समवार 14 जून 2021

पशुपति पफिलोन लि. उपग्रहसंग्रहालय

सर्वसाधारण को सूचित किया जाता है कि मुहम्मद गंज, ठाकुरद्वारा जनपद मुरादाबाद में स्थित मैसर्स पशुपति एकिलोन लि. फैक्टरी में इक्रिलिक फाइबर की उत्पादन क्षमता 130 मीट्रिक टन प्रतिदिन से बढ़ाकर 200 मीट्रिक टन प्रतिदिन करने के लिए पर्यावरण एवं वन मंत्रालय की मजूरी मिल गई है जिसकी प्रतिलिपि उ.प्र. प्रदूषण नियंत्रण बोर्ड एवं कमेटी के पास उपलब्ध है इसे पर्यावरण एवं वन मंत्रालय की वेबसाइट <https://parivesh.nic.in> पर भी देखा जा सकता है।

प्रवृत्ति



File No. IA-J-11011/217/2019-IA-II(I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhawan,
Jal Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 11th June, 2021

To,

**Shri. Satyaprakash Gupta, Director
M/s Pasupati Acrylon Ltd., Kashipur Road,
Thakurdwara, Moradabad,
Uttar Pradesh -244601.**

Sub: Expansion of Acrylic Fibre Manufacturing Unit (130 TPD to 200 TPD), by M/s. Pasupati Acrylon Limited located at Kashipur Road, Thakurdwara, Moradabad District, Uttar Pradesh - Consideration of Environment Clearance reg.

Sir,

This has reference to your online proposal No. IA/UP/IND2/201672/2019, dated 10th April, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of Acrylic Fibre Manufacturing Unit (130 TPD to 200 TPD), by M/s Pasupati Acrylon Limited located at Kashipur Road, Thakurdwara, Moradabad District, Uttar Pradesh.

3. All manmade fibre manufacturing units are listed at S.N. 5(d) of Schedule of Environment Impact Assessment (EIA) Notification dated 14.9.2006 under category 'B'. But due to the applicability of general condition of inter-state boundary within 5 km of the project site the proposal falls in Category 'A' and is appraised at Central Level by Expert Appraisal Committee (EAC).

4. Standard ToR has been issued by Ministry vide letter No. IA-J-11011/217/2019-IA-II(I) dated 5th August, 2019. Public Hearing for the expansion project has been conducted by Regional Office, Uttar Pradesh Pollution Control Board, Moradabad on 18th November, 2020 under the Chairmanship of Additional District Magistrate, Moradabad. The main issues raised during public hearing were related to groundwater depletion and boiler ash disposal. No Litigation is pending against the proposal.

5. The existing unit is in operation since 1990 on the basis of consents received from UPPCB. There is no change in production of acrylic fibre (130 TPD) since 2004. Therefore, EC was not applicable previously to the existing unit as it was established before the enforcement of EIA notification 14th September 2006.

6. The details of products and capacity are as under: -

S. No.	Particulars	unit	Existing Quantity	Proposed Quantity	Total Quantity
1	Acrylic Fibre	TPD	130	70	200
		TPA	42900	23100	66000

7. Existing land area is 324557.72 m². No additional land will be required as proposed expansion will be done within the existing plant premises. Industry has already developed greenbelt in an area of 70.53% i.e., 228904.74 m² out of the total area of the project and it will be maintained in future. The estimated project cost is Rs 305.60 crores including existing investment of Rs 295.60 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 12.2 Crores and the recurring cost (operation and maintenance) will be about Rs. 1.28 crores per annum. Total Employment after expansion will be about 492 persons. **Industry proposes to allocate Rs. 20 Lakhs towards Corporate Environment Responsibility for social activities like skill development & Green belt development.**

8. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the plant site. Waterbody Tumaria nadi is flowing at a distance of 0.04 km in North-East direction.

9. Ambient air quality monitoring was carried out at 8 locations during March-May 2019. The baseline data indicates the ranges of concentrations (mean) as: PM₁₀ (77.1-103.9 µg/m³), PM_{2.5} (37.2-51.4 µg/m³), SO₂ (8.6-11.8 µg/m³) and NO₂ (27.7-37.9 µg/m³), CO (0.57-0.77 mg/m³) & TVOC (0.072-0.099 mg/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 1.76 µg/m³, 0.938 µg/m³, 0.613 µg/m³ and 0.725 µg/m³ with respect to PM₁₀, PM_{2.5}, SO₂ and NO₂ respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total water requirement after expansion will be 2229 m³/day, out of which fresh water requirement of 1249 m³/day will be met from Ground water supply. After expansion, industrial effluent of 990 KLD quantity will be treated through Effluent Treatment Plant of capacity 1827 KLD. Treated water of 980 KLD will be generated from the ETP and will be reused within the plant for utility cooling tower (UCT) & Big Cooling Tower (BCT) & Small Cooling tower (SCT). The plant shall be based on Zero Liquid discharge system.

11. Total Power requirement after expansion will be 7500 KW (6000 kW existing & 1500 kW additional after expansion) and will be met from Thermal Power Grid (Captive Power Generation from 50 TPH boiler & 8 MW Turbine). Existing unit has 4×1000 kVA, 1×1250 kVA DG Sets (as standby) which is used

during power failure. Stack (height-6 m) has been provided as per CPCB norms to the DG sets. Existing unit has 50 TPH Coal/ Rice Husk fired boilers which will continue to operate with the existing. ESP (Electrostatic Precipitator) with a stack of height of 60 m and the particulate emissions within the statutory limit of 100 mg/Nm³ for the boiler.

12. Details of Process emissions generation and its management:

To prevent emissions, APCS like ESP (Electrostatic Precipitator) have been installed at the boiler with appropriate stack in accordance with CPCB norms. To avoid emissions from spinning & stretching sections, Gas scrubbing system has been installed to control air emission and the same will be followed for further expansion. The DMF vapours are generated in the production area (Fibre line) for which proper stack height and gas scrubbing system has been provided the same will continue after expansion.

13. Details of Solid waste/Hazardous waste generation and its management:

Solid Waste

Category	Type of Waste	Treatment method	Existing (in TPA)	Proposed (in TPA)	Total Waste after expansion (in TPA)
Biodegradable	Organic Waste	Compost chamber for use as manure	10.95	Nil	10.95
Non-Biodegradable	Recyclable Waste	Local vendor	8.03	Nil	8.03
Recyclable Waste	Recyclable	Local vendor	1.10	Nil	1.10
Total			20.08	Nil	20.08

Hazardous Waste

Type of Waste	Disposal Method	Existing (in TPA)	Proposed (in TPA)	Total Waste after expansion (in TPA)
Used Oil (Hazardous Waste)	Hazardous Wastes is only used oil (schedule 5.1) that is lifted by an authorized recycler approved by UPPCB	0.9	Nil	0.9

ETP Sludge	It is lifted by TSDF vendor (Ramky Division, Kanpur) of Pollution Control Board for safe disposal	10	Nil	10
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Non Hazardous Waste

Waste Type	Existing Quantity	Proposed Quantity	Total Quantity	Disposal
Fly Ash from Boiler	(13.2 TPD) 4380 TPA	(4.42 TPD) 1460 TPA	(17.69 TPD) 5840 TPA	It is given to cement industry for making cement through contractor
Fibre waste	As per generation	As per generation	As per generation	It is recycled & reused in the process

14. Certified CTO compliance report has been obtained by RO, UP Pollution Control Board dated 07.11.2020.

15. During deliberations, EAC directed the PP to completely switch to gas provision for fuel as and when available in that area, till then PP should make efforts to decrease the coal consumption in phased manner by 10% per year and completely replacing it by bio-briquettes gradually. Further it suggested that rain water should not be recharged within the premises of the industry instead it should be stored and reused. PP agreed and submitted an undertaking in the compliance of the EAC directions.

16. The proposal was considered by the EAC in its 34th meeting held on 28th - 29th April, 2021 in the Ministry, wherein the project proponent and their consultant M/s. Perfect Enviro Solutions Pvt Ltd., presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

17. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

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18. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

19. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

20. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **expansion of Acrylic Fibre Manufacturing Unit (130 TPD to 200 TPD), by M/s Pasupati Acrylon Limited located at Kashipur Road, Thakurdwara, Moradabad District, Uttar Pradesh**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition:

- (i). The company shall immediately switch to usage of gas as fuel completely as and when available in the area, till then PP should work upon reducing coal usage by 10% every year so that it is replaced by bio-briquettes gradually.
- (ii). 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, and risk mitigation measures relating to the project shall be implemented.
- (iii). 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.

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Pollution) Act, 1974.

- (iv). Total fresh water requirement shall not exceed 1249 KLD proposed to be met from Ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority. The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.
- (v). 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.
- (vi). 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/SPCS guidelines.
- (vii). Solvent management, if any, shall be carried out as follows:
 - (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.
- (viii). Rain water shall be collected and stored in tanks and utilized in plant activities to reduce ground water usage instead of recharging. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- (ix). Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps. 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.
- (x). Process organic residue and spent carbon, if any, shall be sent to cement industries.
- (xi). ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

- (xii). 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 high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiii). The green belt of at least 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.
- (xiv). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, ~~the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages.~~ The action plan shall to be completed within time as proposed.
- (xv). 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.
- (xvi). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- (xvii). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xviii). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xix). 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.
- (xx). ~~The energy sources for lighting purposes shall preferably be LED based.~~

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(xxi). Transportation of raw materials/products should be carefully performed using GPS enabled vehicles.

B. General Condition:

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) 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.
- (vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
- (vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&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.

- (viii) 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 compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (ix) 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 and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

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

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

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

24. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and

the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the competent authority.

*3pm ✓
11.06.2021*

(Ashok Kr. Pateshwary)
Director

Copy to:-

1. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Bapu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow (UP) - 1
2. The Deputy DGF (C), MoEF&CC Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow (UP) - 20
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow – 10
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Moradabad, Uttar Pradesh
7. Guard File/Monitoring File/Parivesh portal/Record File

*3pm ✓
11.06.2021*

(Ashok Kr. Pateshwary)
Director

E-mail: ak.pateshwary@gov.in
Tel. No. 24695290