



GRIHA PRODUCT CATALOGUE

Compliance Documentation¹

For Enlistment In

GRIHA Product Catalogue

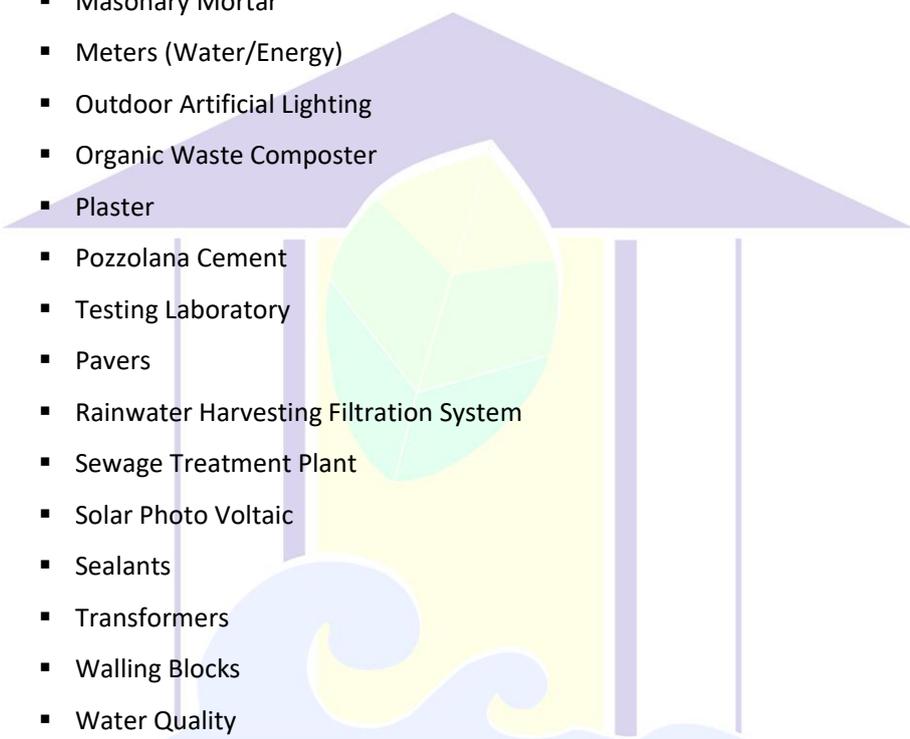
(Prepared on: 22nd January, 2024)

¹ Note: The list provided here is indicative. It may vary depending on each of the product, its application, its typology etc.

Table of Contents (Typology)

- Acoustic Insulation
- Adhesives
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- Automatic Controls (Lighting/Hvac)
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- Internal Partitions
- Innovation (*Movable Furniture, E-Vehicle Charging Stations, Jali's, Plumbing Pipes, Exterior Panels Etc.*)
- Insulation
- Firefighting System

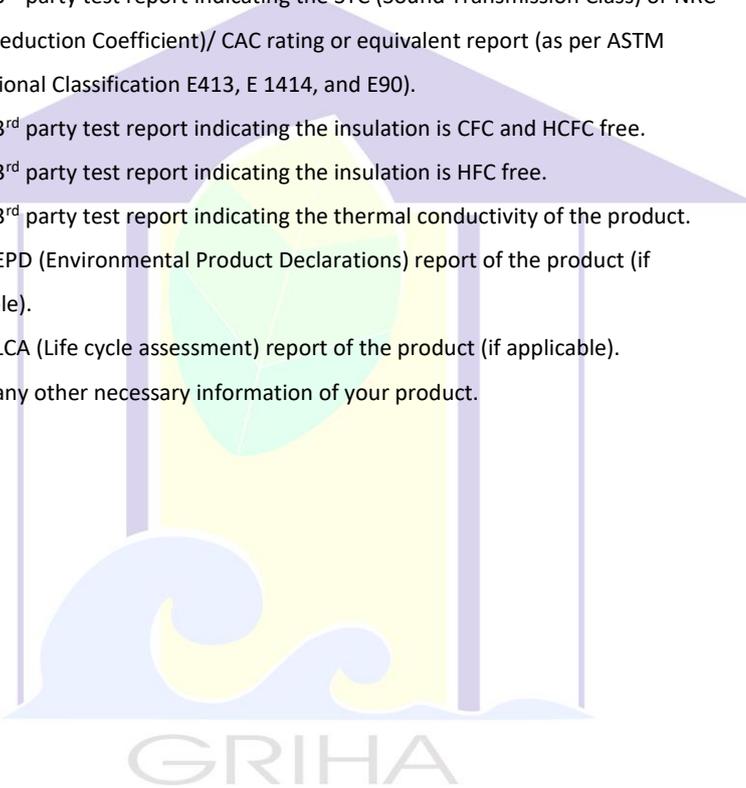
- Fixed Furniture/Paneling Movable Furniture
- Irrigation System
- Interior Paints And Coatings
- Lime-Gypsum Plaster
- Low Flow Fixtures
- Masonary Mortar
- Meters (Water/Energy)
- Outdoor Artificial Lighting
- Organic Waste Composter
- Plaster
- Pozzolana Cement
- Testing Laboratory
- Pavers
- Rainwater Harvesting Filtration System
- Sewage Treatment Plant
- Solar Photo Voltaic
- Sealants
- Transformers
- Walling Blocks
- Water Quality
- Window Frames



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Acoustic Insulation

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit 3rd party test report indicating the STC (Sound Transmission Class) or NRC (Noise Reduction Coefficient)/ CAC rating or equivalent report (as per ASTM International Classification E413, E 1414, and E90).
6. Submit 3rd party test report indicating the insulation is CFC and HCFC free.
7. Submit 3rd party test report indicating the insulation is HFC free.
8. Submit 3rd party test report indicating the thermal conductivity of the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



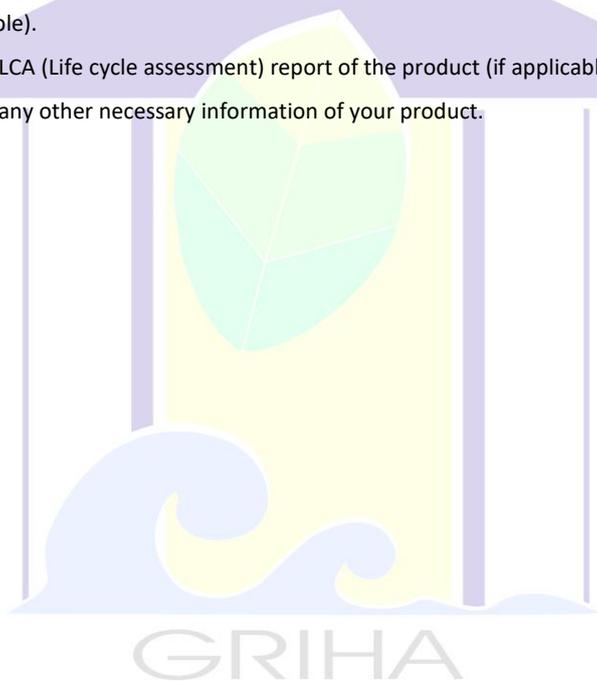
Adhesives

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit 3rd party test report indicating that the VOC content in the product.
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



Air Filtration System

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit 3rd party test report demonstrating compliance of the filter/s used in the product with ASHRAE 52.1 and 52.2 standards for testing efficiency of air filters.
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



Automatic Controls (Lighting/HVAC)

1. Specify the type of controls (brief description of the product and whether it is analog or digital).
2. Submit consent to operate certificate issued by State Pollution control board.
3. Specify the various applications of the product (tick the correct box):

	Localized ²	Centralized ³	Hybrid ⁴
Internal Lighting			
External Lighting			
HVAC Controls			

4. Specify the types of control (tick all the applicable boxes):

For external lighting controls (As per ECBC)	
Programmable Timer based – astronomical	
Photocell With Programmable timer based	
Building Management System	
Any other	
For internal lighting controls (As per ECBC)	
1. Space Controls	
Manual Switch ⁵	
Occupancy Sensor	

² Individual space controls

³ Whole building or project based controls

⁴ Has both localized and centralized controls

⁵ For compliance under GRIHA V2019, light fixtures controlled by automatic controls shall have a wall-mounted, manual switch capable of turning on/off lights

Motion Sensors	
Programmable Timer based	
Building Management System	
2. Daylight Controls	
Photocell Sensor	
Dimers	
For HVAC Controls (As per ECBC)	
Cooling & Heating system controls	
1. Time clock	
Building Management System	
Programmable Timer based	
PLC Based controls (OEM)	
2. Indoor Space Controls	
Temperature based controls	
Programmable Timer based	
Occupancy based controls	
3. Cooling Tower Controls	
Manual Speed controller / Variable Speed Drives	
Any other	
For air quality (Monitors/sensors)	
1. CO	

2. CO2	
3. Relative Humidity	
4. Temperature	
5. PM 2.5	
6. PM 10	
7. Others	

5. Please provide detailed information about the control, along with full specifications (this can be sent as an attached brochure). Please include the following information in the documents:

- Mounting technologies available
- National Electrical Manufacturer Association rating/Ingress Protection (IP) rating
- Manual override option
- Coverage/Detection pattern/Off Delay/Circuit Protection (Amps)/Ingress Protection (IP) Rating

6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).

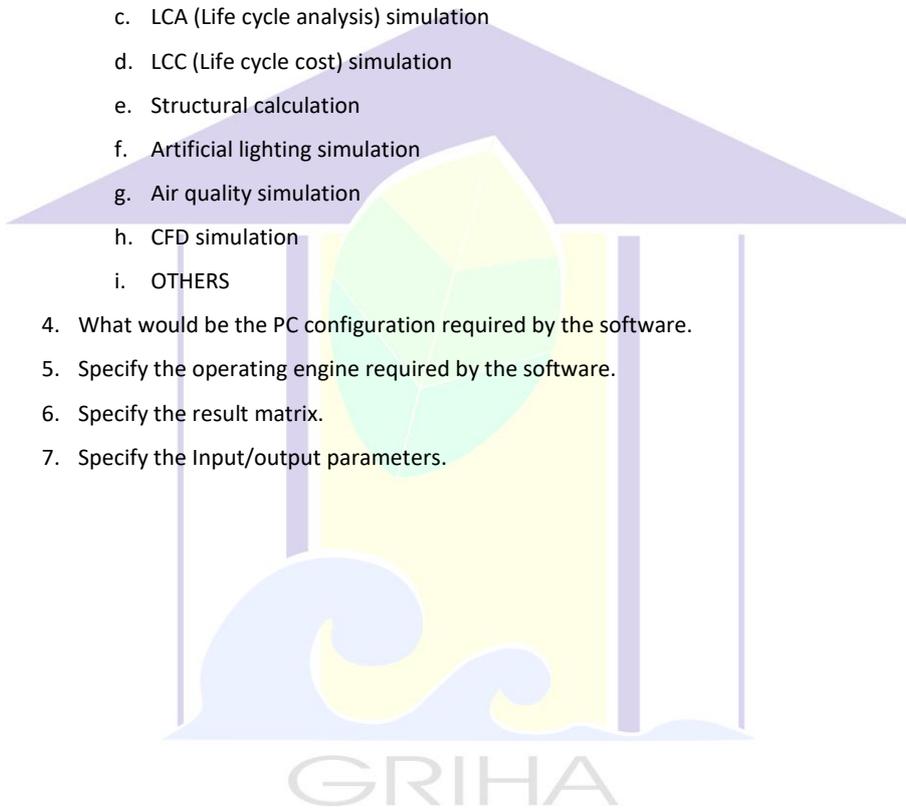
7. Submit LCA (Life cycle assessment) report of the product (if applicable).

8. Submit any other necessary information of your product.

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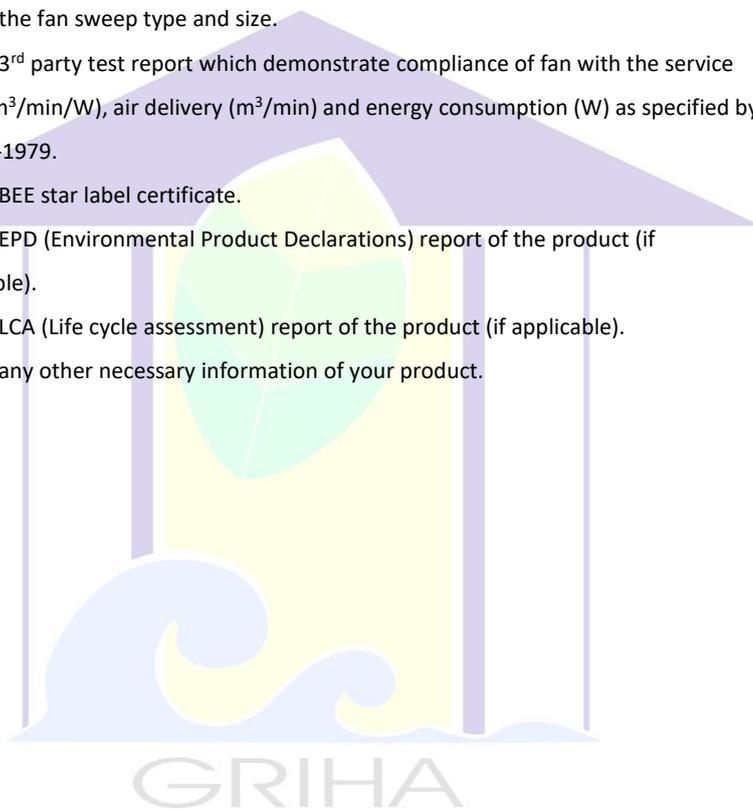
Building Simulation software

1. Name of the organization.
2. Name of the simulation software.
3. Specify the simulation done by your software:
 - a. Daylight simulation
 - b. Energy efficiency simulation
 - c. LCA (Life cycle analysis) simulation
 - d. LCC (Life cycle cost) simulation
 - e. Structural calculation
 - f. Artificial lighting simulation
 - g. Air quality simulation
 - h. CFD simulation
 - i. OTHERS
4. What would be the PC configuration required by the software.
5. Specify the operating engine required by the software.
6. Specify the result matrix.
7. Specify the Input/output parameters.



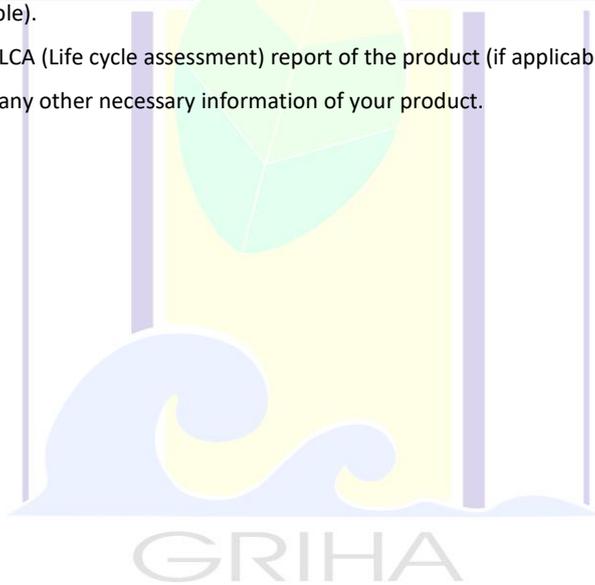
Ceiling Fans

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Specify the fan sweep type and size.
6. Submit 3rd party test report which demonstrate compliance of fan with the service value ($\text{m}^3/\text{min}/\text{W}$), air delivery (m^3/min) and energy consumption (W) as specified by IS: 374 -1979.
7. Submit BEE star label certificate.
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit any other necessary information of your product.



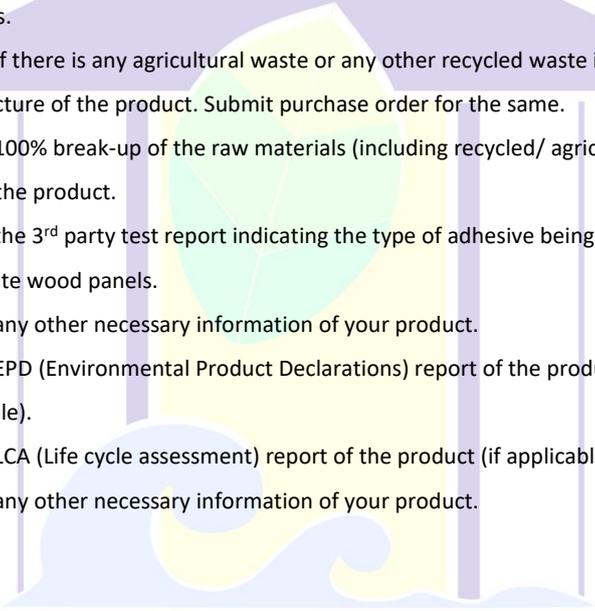
Chillers

1. Describe the products
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit 3rd party test reports which demonstrate compliance of chillers with the COP and IPLV values as specified by ECBC 2007 table – 5.1. *(Please note that the testing standard to be followed is ARI 550/590 – 1998.)*
6. Specify the type of refrigerant being used.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



Composite Wood Products

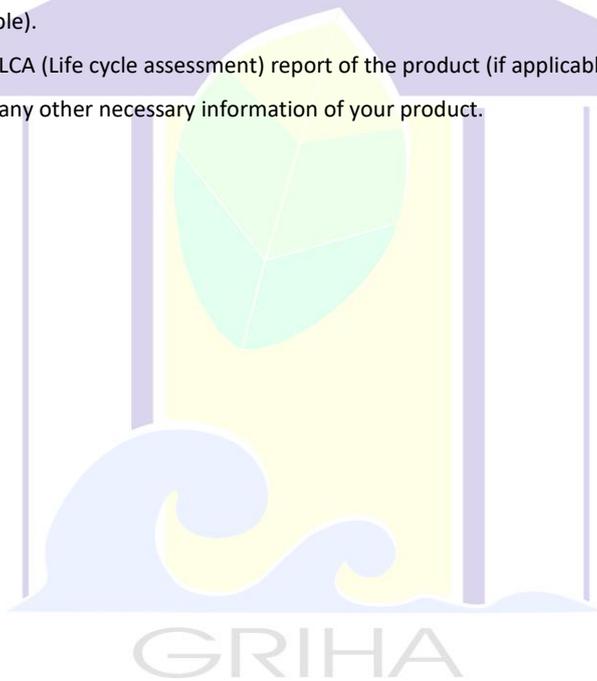
1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify the various sources of wood which have been used in the manufacture of the products.
7. Specify if there is any agricultural waste or any other recycled waste included in the manufacture of the product. Submit purchase order for the same.
8. Submit 100% break-up of the raw materials (including recycled/ agriculture waste) used in the product.
9. Submit the 3rd party test report indicating the type of adhesive being used for composite wood panels.
10. Submit any other necessary information of your product.
11. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
12. Submit LCA (Life cycle assessment) report of the product (if applicable).
13. Submit any other necessary information of your product.



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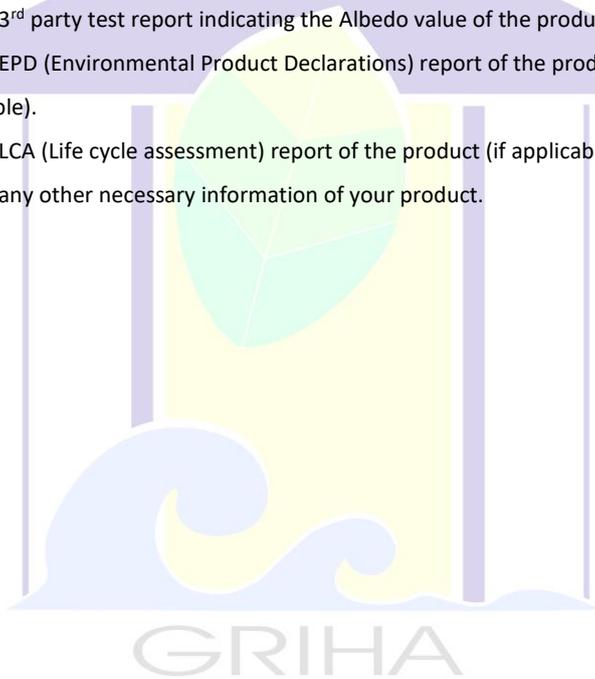
Concrete Admixtures

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Specify the concrete admixture type and its properties that help in reducing the potable water consumption on site.
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



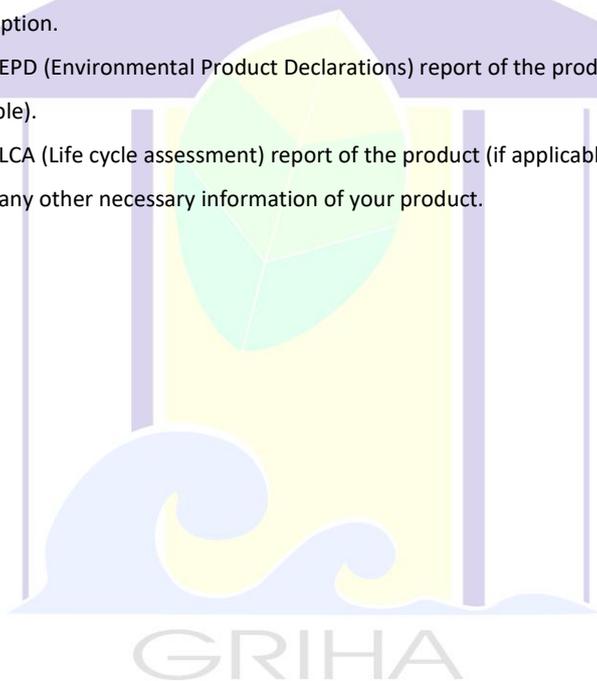
Cool Roof Coatings

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit 3rd party test result (*Testing standard: solar reflectance [MAS1]- ASTM E903-96 and emittance - ASTM E408-71*) which demonstrate compliance of your product with the ECBC - 2017 standard.
6. Submit 3rd party test report indicating the Albedo value of the product.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



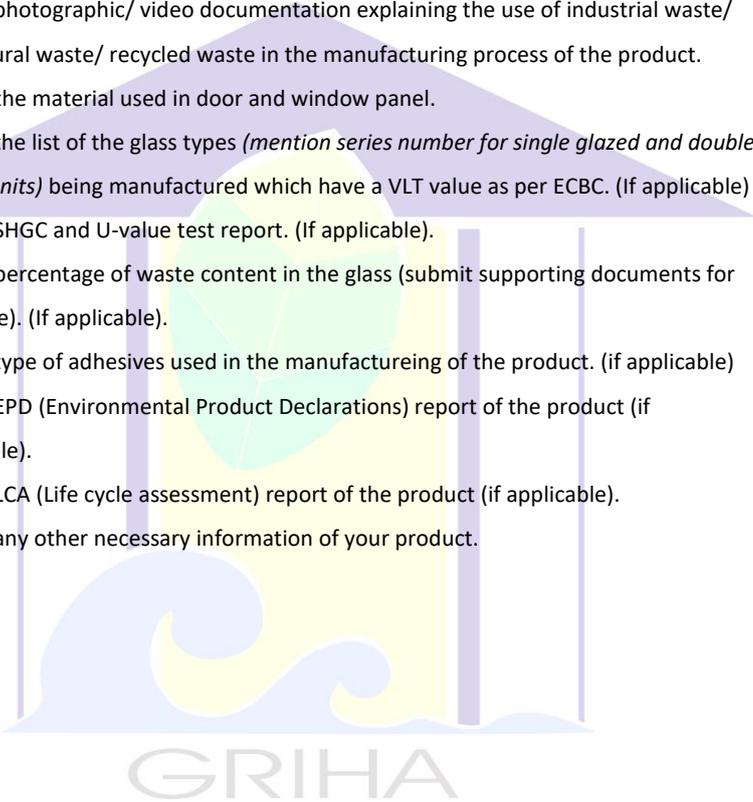
Curing Compounds

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit 3rd party test report indicating the percentage of reduction of water consumption.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



Doors and Window Panels

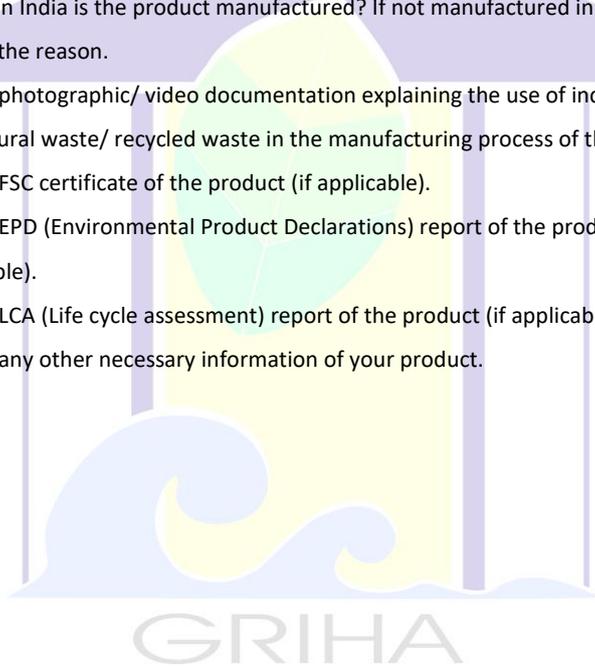
1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify the material used in door and window panel.
7. Submit the list of the glass types (*mention series number for single glazed and double glazed units*) being manufactured which have a VLT value as per ECBC. (If applicable)
8. Submit SHGC and U-value test report. (If applicable).
9. Specify percentage of waste content in the glass (submit supporting documents for the same). (If applicable).
10. Submit type of adhesives used in the manufacturing of the product. (if applicable)
11. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
12. Submit LCA (Life cycle assessment) report of the product (if applicable).
13. Submit any other necessary information of your product.



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Door Frames

1. Describe the product.
2. Composition of the material used in the product.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit 3rd party test results to demonstrate that the air leakage for your products is less than or equal to the ECBC threshold. ECBC 2007 thresholds: Glazed swinging entrance doors and revolving doors – 5.01/s m² and other fenestrations and doors – 2.01 /s m². (If applicable).
6. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
7. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
8. Submit FSC certificate of the product (if applicable).
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.

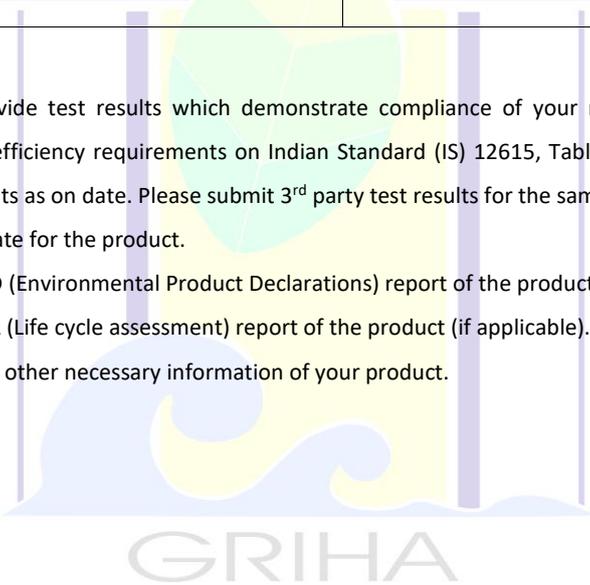


Energy Efficient Motors

1. Please elaborate on the range of motors that you wish to enlist.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Technical details of each Energy Efficient Motors :

Number of Poles	
Efficiency Class	
Insulation Class	
Rated Voltage	
Rated Output	

4. Please provide test results which demonstrate compliance of your motors with the minimum efficiency requirements on Indian Standard (IS) 12615, Table- 1 and with all amendments as on date. Please submit 3rd party test results for the same.
5. BIS certificate for the product.
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



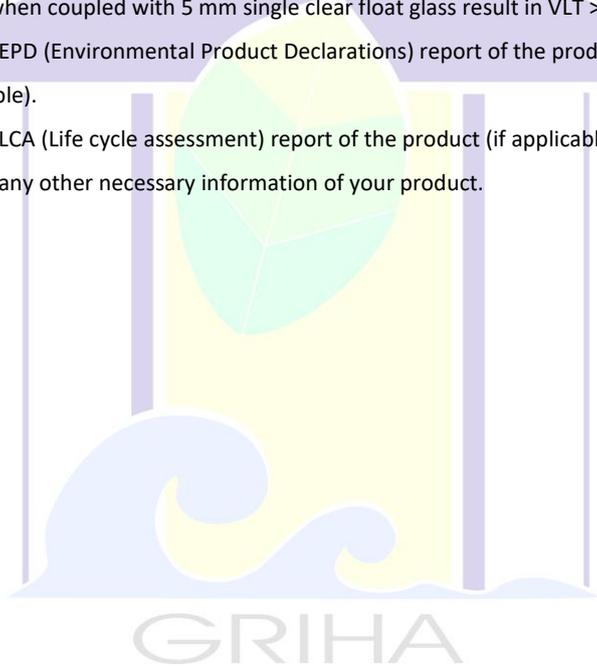
External Glazing

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit the list of the various glass types (*mention series number for single glazed and double glazed units*) being manufactured which have a VLT > 13%.
7. Submit SHGC and U-value test report.
8. Specify percentage of waste content in the glass (*submit supporting documents for the same*).
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



External Glazing Films

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit the list along with the 3rd party certificate of the various films types (series) which when coupled with 5 mm single clear float glass result in VLT > 13%.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



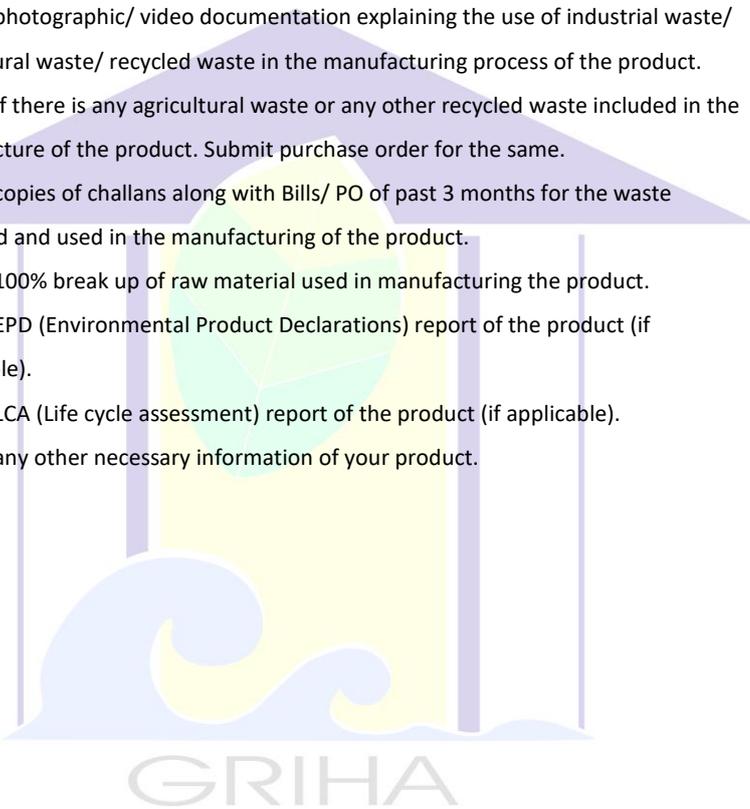
Energy Efficiency System

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit 3rd party efficiency certificate/reports of your product.
5. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



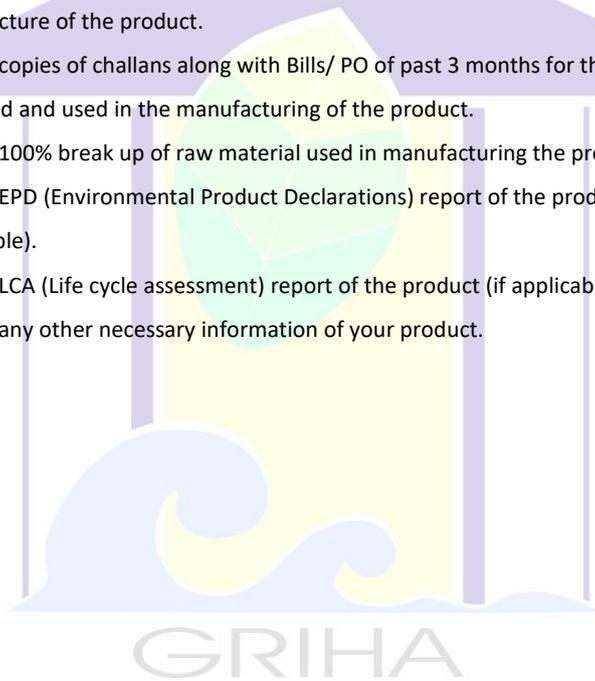
False Ceiling

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any agricultural waste or any other recycled waste included in the manufacture of the product. Submit purchase order for the same.
7. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
8. Submit 100% break up of raw material used in manufacturing the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



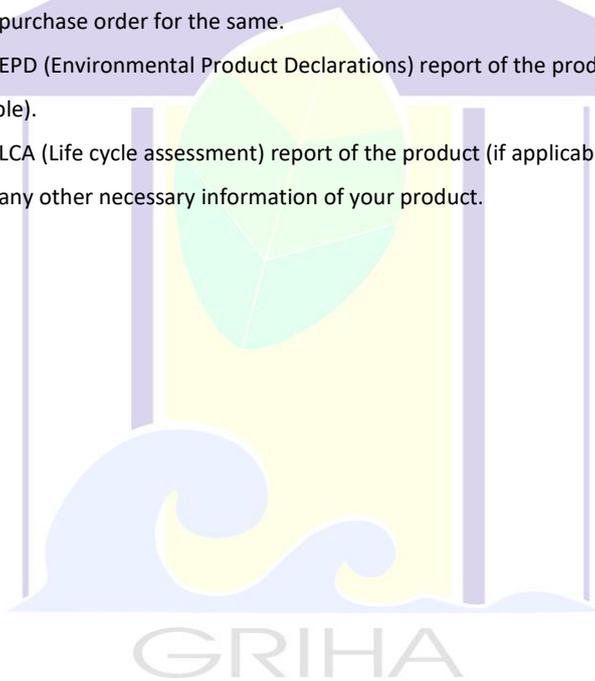
Flooring Tiles

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any agricultural waste or any other recycled waste included in the manufacture of the product.
7. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
8. Submit 100% break up of raw material used in manufacturing the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



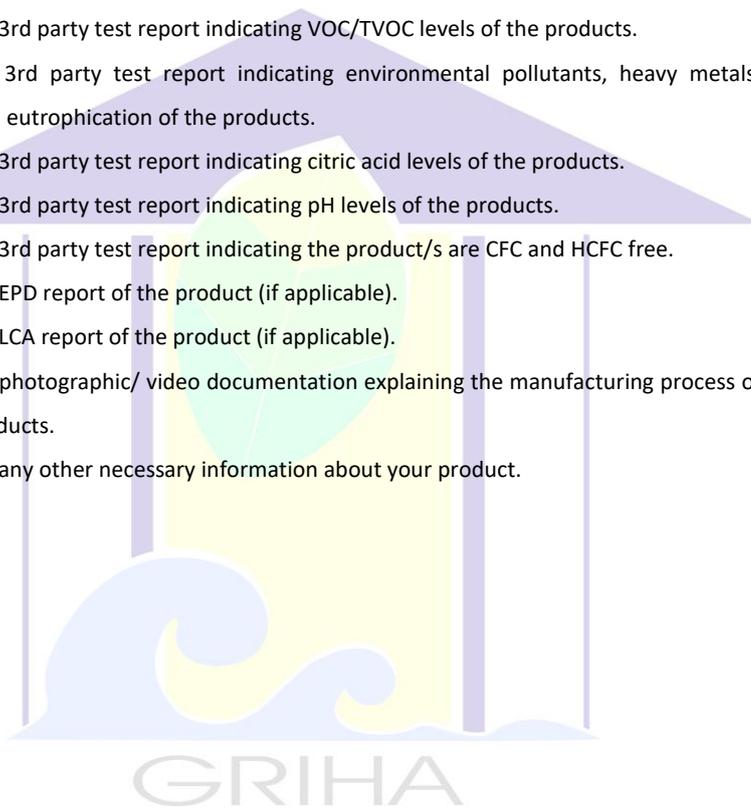
Glass for Internal Application

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any recycled waste included in the manufacture of the product. Submit purchase order for the same.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



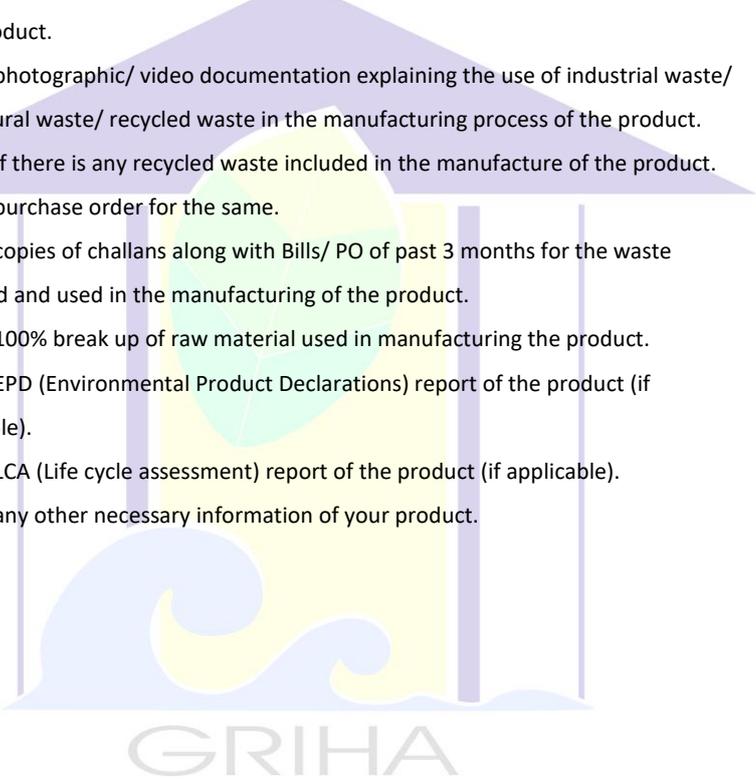
Green Housekeeping chemicals

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit 3rd party test report indicating VOC/TVOC levels of the products.
6. Submit 3rd party test report indicating environmental pollutants, heavy metals, toxicity, eutrophication of the products.
7. Submit 3rd party test report indicating citric acid levels of the products.
8. Submit 3rd party test report indicating pH levels of the products.
9. Submit 3rd party test report indicating the product/s are CFC and HCFC free.
10. Submit EPD report of the product (if applicable).
11. Submit LCA report of the product (if applicable).
12. Submit photographic/ video documentation explaining the manufacturing process of the products.
13. Submit any other necessary information about your product.



Internal Partitions

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the manufacturing process of your product.
6. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
7. Specify if there is any recycled waste included in the manufacture of the product. Submit purchase order for the same.
8. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
9. Submit 100% break up of raw material used in manufacturing the product.
10. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
11. Submit LCA (Life cycle assessment) report of the product (if applicable).
12. Submit any other necessary information of your product.

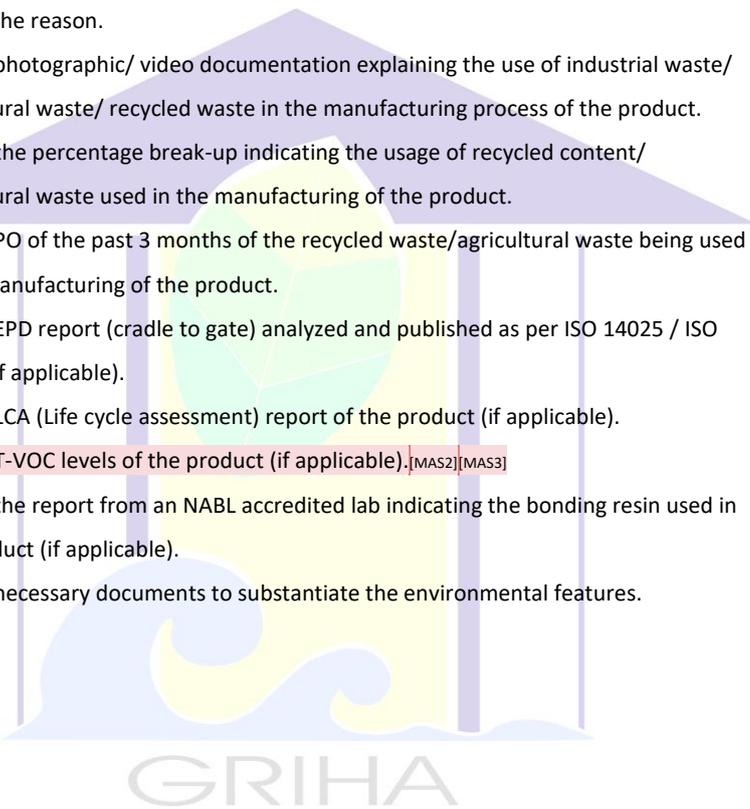


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Innovation

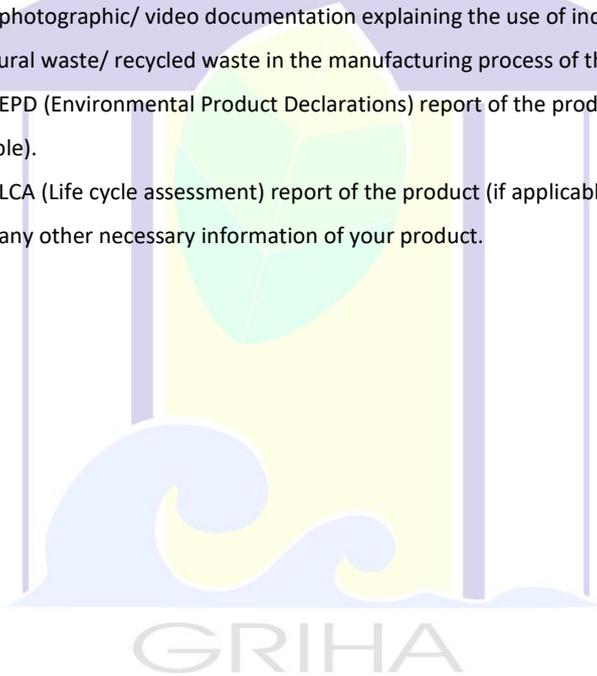
(Movable furniture, e-vehicle charging stations, Jali's, Plumbing pipes, Exterior panels etc.)

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify the percentage break-up indicating the usage of recycled content/ agricultural waste used in the manufacturing of the product.
7. Submit PO of the past 3 months of the recycled waste/agricultural waste being used in the manufacturing of the product.
8. Submit EPD report (cradle to gate) analyzed and published as per ISO 14025 / ISO 21930 (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit T-VOC levels of the product (if applicable). [MAS2][MAS3]
11. Submit the report from an NABL accredited lab indicating the bonding resin used in the product (if applicable).
12. Submit necessary documents to substantiate the environmental features.



Insulation

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Submit 3rd party test report indicating the insulation is CFC and HCFC free.
5. Submit 3rd party test report indicating the insulation is HFC free.
6. Submit 3rd party test report indicating the thermal conductivity of the product.
7. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
8. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



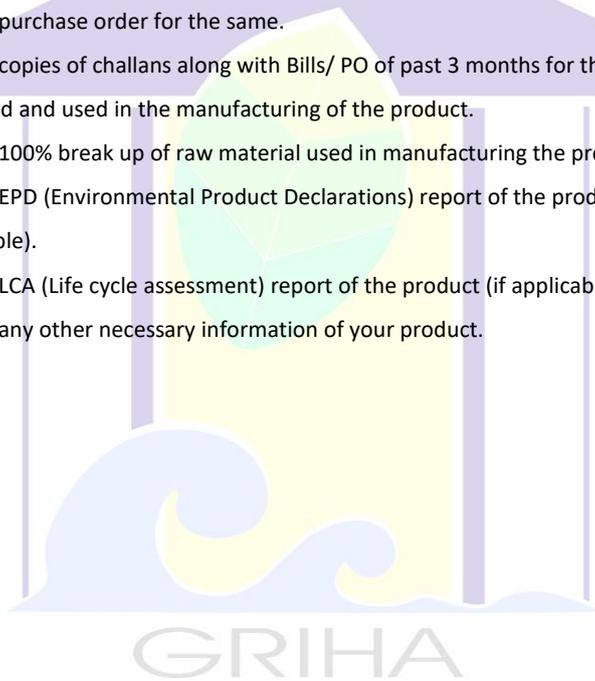
Firefighting system

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Submit 3rd party test report indicating the fire suppression systems and fire extinguishers are halon free.
5. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
6. Submit LCA (Life cycle assessment) report of the product (if applicable).
7. Submit any other necessary information of your product.



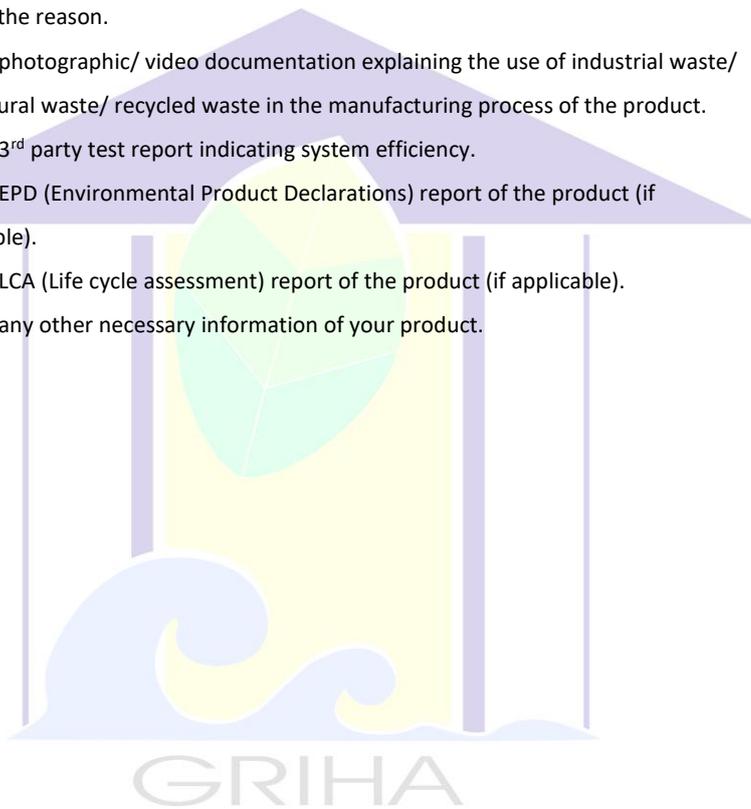
Fixed Furniture/Paneling Movable Furniture

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any recycled waste included in the manufacture of the product. Submit purchase order for the same.
7. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
8. Submit 100% break up of raw material used in manufacturing the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



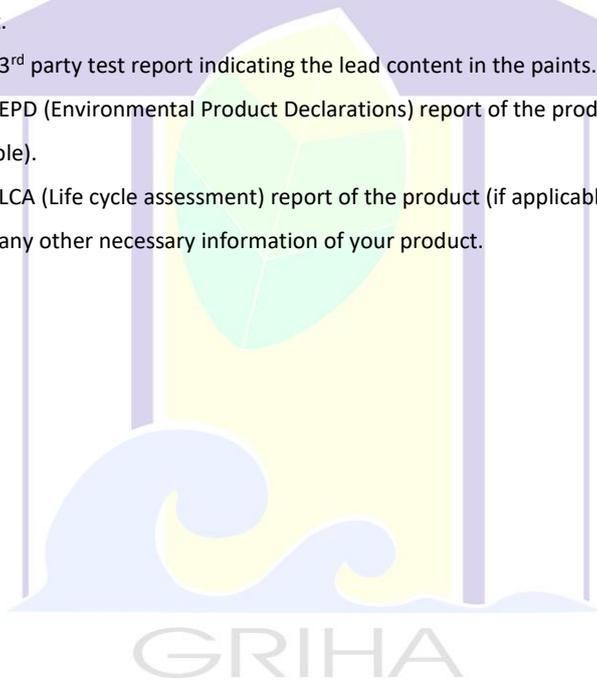
Irrigation System

1. Describe the products.
2. Specify the type of irrigation system.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
6. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
7. Submit 3rd party test report indicating system efficiency.
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit any other necessary information of your product.



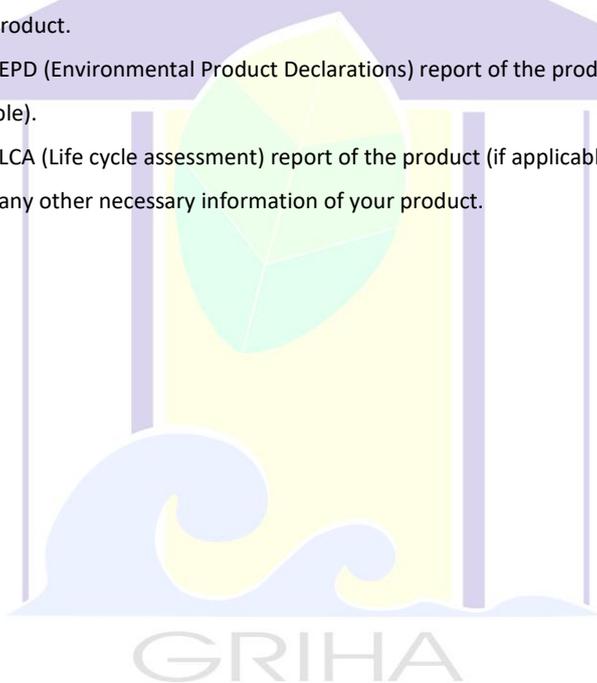
Interior Paints and coatings

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit 3rd party test report indicating the VOC content (in grams/litre) in the product.
7. Submit 3rd party test report indicating the lead content in the paints.
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit any other necessary information of your product.



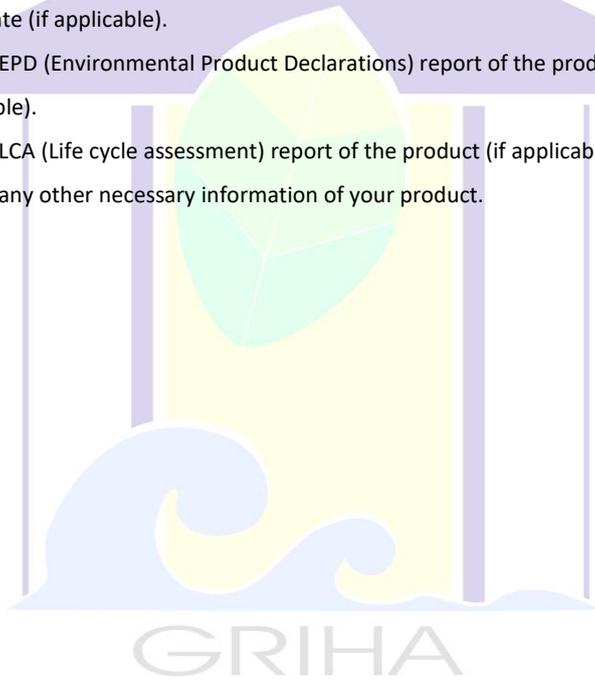
Lime-Gypsum Plaster

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit a copy of a purchase order of recycled waste included in the manufacturing of the product.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



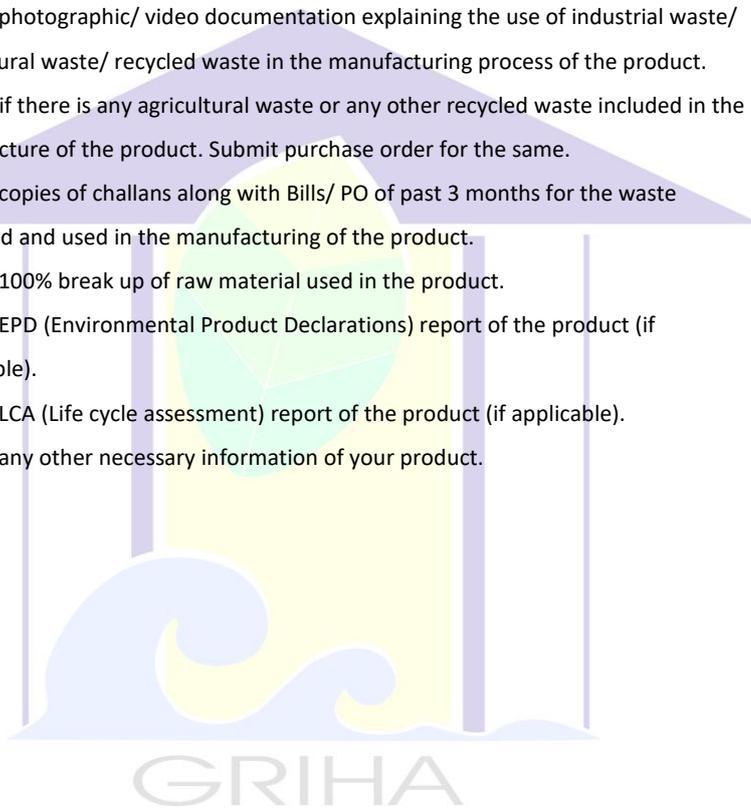
Low Flow Fixtures

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit 3rd party test report indicating the flow rates (lpm/lpf) of the fixtures at 45 Psi or 3.16 kg-f/sq.cm. or 3.1 bar.
6. Submit IAPMO (International Association of Plumbing and Mechanical Officials) certificate (if applicable).
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



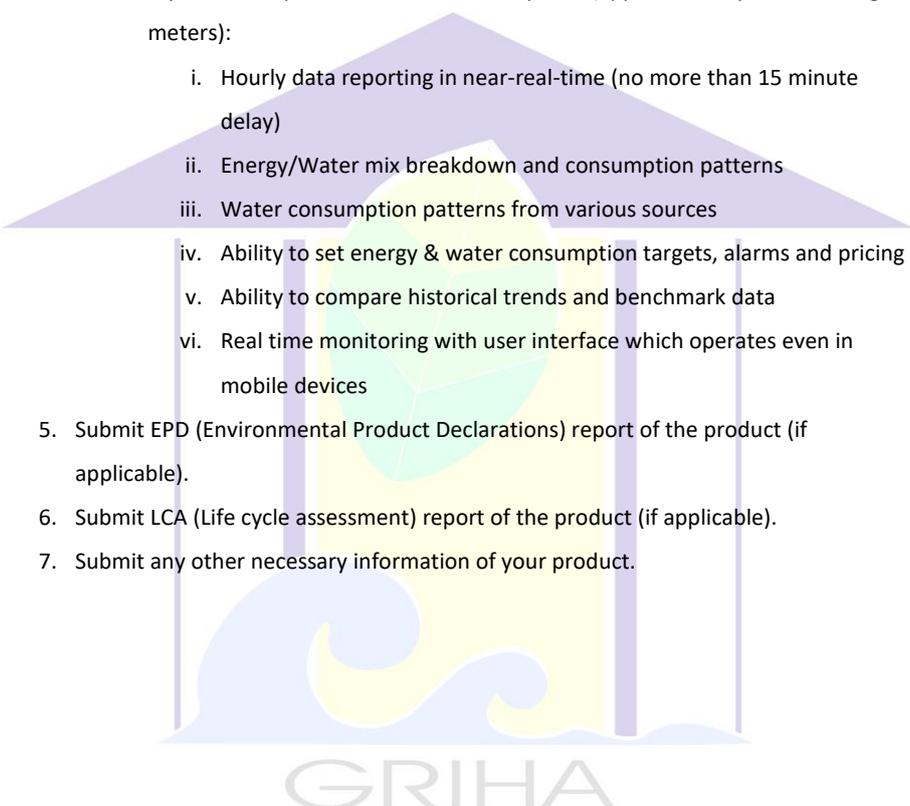
Masonry Mortar

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any agricultural waste or any other recycled waste included in the manufacture of the product. Submit purchase order for the same.
7. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
8. Submit 100% break up of raw material used in the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



Meters (Water/Energy)

1. Specify the type of meters (brief description of the product).
2. Submit consent to operate certificate issued by State Pollution control board.
3. Calibration certificate:
4. Specify whether the product is digital
 - a. If yes, than capabilities of web-hosted portal (applicable only in case of digital meters):
 - i. Hourly data reporting in near-real-time (no more than 15 minute delay)
 - ii. Energy/Water mix breakdown and consumption patterns
 - iii. Water consumption patterns from various sources
 - iv. Ability to set energy & water consumption targets, alarms and pricing
 - v. Ability to compare historical trends and benchmark data
 - vi. Real time monitoring with user interface which operates even in mobile devices
5. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
6. Submit LCA (Life cycle assessment) report of the product (if applicable).
7. Submit any other necessary information of your product.



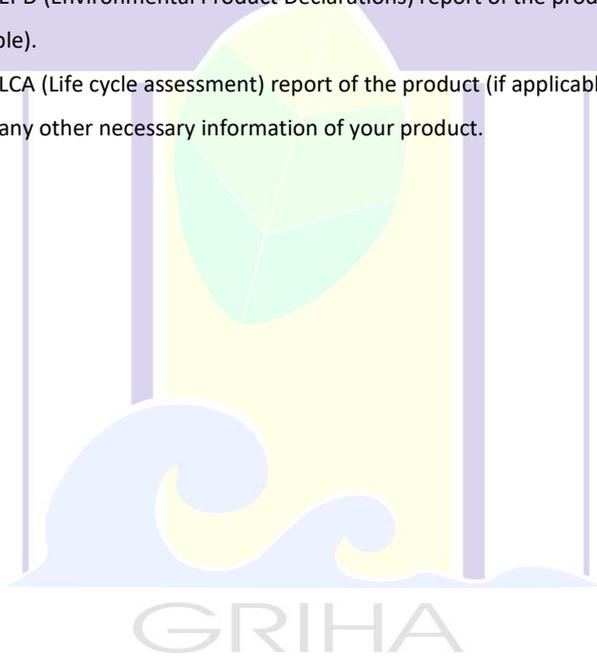
GRIHA

Outdoor Artificial Lighting

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Mention the category of product from the list mentioned below:
 - a. Light Emitting Diode (LED)
 - b. Metal Halides
 - c. High Pressure Mercury Vapour Lamps (HPMV)
 - d. High Pressure Sodium Vapour Lamps (HPSV)
 - e. Compact Fluorescent lamps (CFL)
 - f. Fluorescent lamp
7. Mention the following details:
 - a. Model No
 - b. Lamp
 - i. Lumen output (lm)
 - ii. Lamp (Wattage (W))
 - c. Ballast/Driver
 - i. Type
 - ii. Make
 - iii. Power loss (W)
 - d. Luminaire Wattage (W)
 - e. Luminous efficacy (lm/W)
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit any other necessary information of your product.

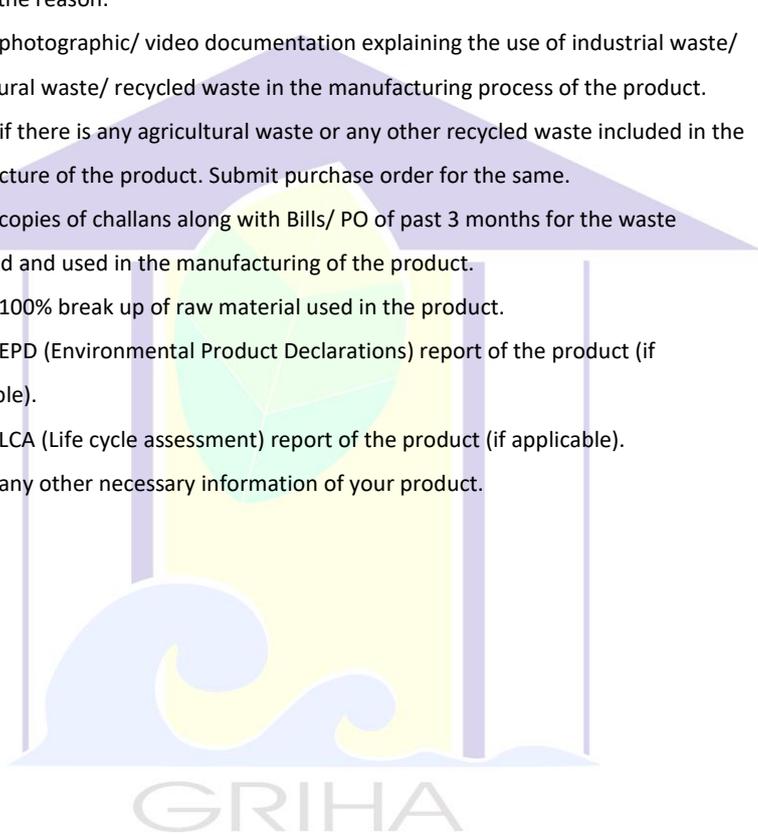
Organic Waste Composter

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Detail out the process of converting organic waste into a resource.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



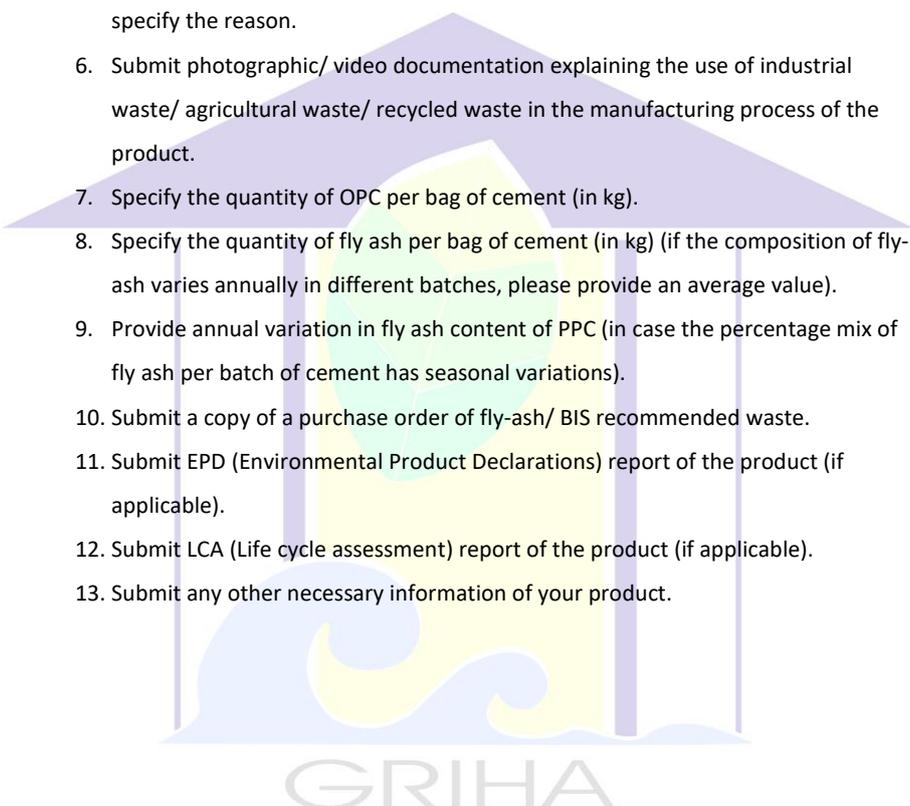
Plaster

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Specify if there is any agricultural waste or any other recycled waste included in the manufacture of the product. Submit purchase order for the same.
7. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
8. Submit 100% break up of raw material used in the product.
9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
10. Submit LCA (Life cycle assessment) report of the product (if applicable).
11. Submit any other necessary information of your product.



Pozzolana Cement

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit any other necessary information of your product.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
6. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
7. Specify the quantity of OPC per bag of cement (in kg).
8. Specify the quantity of fly ash per bag of cement (in kg) (if the composition of fly-ash varies annually in different batches, please provide an average value).
9. Provide annual variation in fly ash content of PPC (in case the percentage mix of fly ash per batch of cement has seasonal variations).
10. Submit a copy of a purchase order of fly-ash/ BIS recommended waste.
11. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
12. Submit LCA (Life cycle assessment) report of the product (if applicable).
13. Submit any other necessary information of your product.



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Testing Laboratory

1. Specify the tests conducted by the laboratory.
2. Submit NABL/ICAR accreditation certificate for testing.
3. Submit scope of testing as defined by accreditation body.
4. Please specify the testing protocol as defined by ISO/BIS/ASTM/EN etc. standards.
5. Submit any other necessary information of your laboratory.

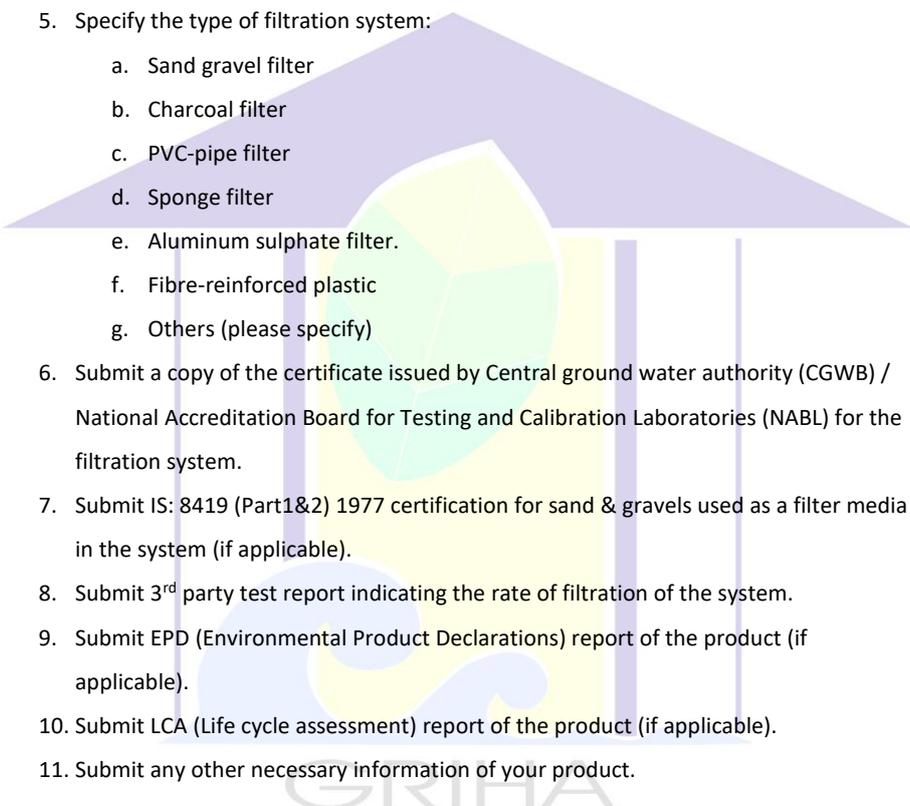


Pavers

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
7. Submit 100% break up of raw material used in the product.
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Submit any other necessary information of your product.

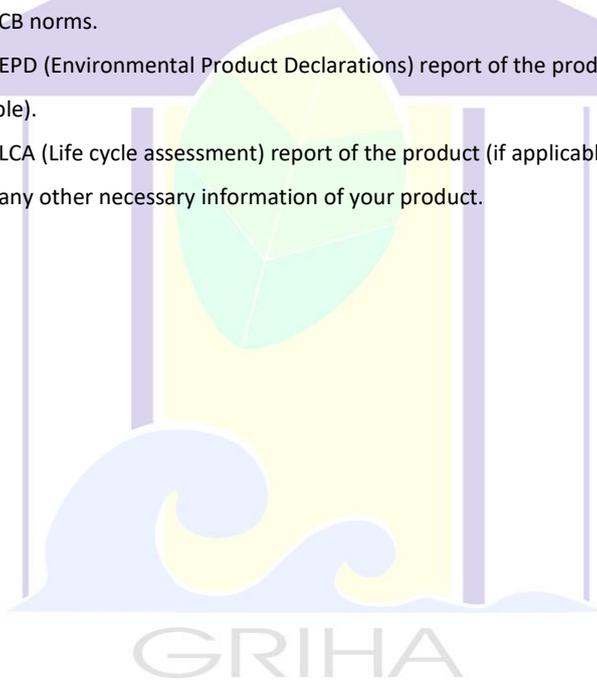


Rainwater Harvesting Filtration System

1. Describe the products.
 2. Submit consent to operate certificate issued by State Pollution control board.
 3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
 4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
 5. Specify the type of filtration system:
 - a. Sand gravel filter
 - b. Charcoal filter
 - c. PVC-pipe filter
 - d. Sponge filter
 - e. Aluminum sulphate filter.
 - f. Fibre-reinforced plastic
 - g. Others (please specify)
 6. Submit a copy of the certificate issued by Central ground water authority (CGWB) / National Accreditation Board for Testing and Calibration Laboratories (NABL) for the filtration system.
 7. Submit IS: 8419 (Part1&2) 1977 certification for sand & gravels used as a filter media in the system (if applicable).
 8. Submit 3rd party test report indicating the rate of filtration of the system.
 9. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
 10. Submit LCA (Life cycle assessment) report of the product (if applicable).
 11. Submit any other necessary information of your product.
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Sewage^[MAS4] Treatment Plant

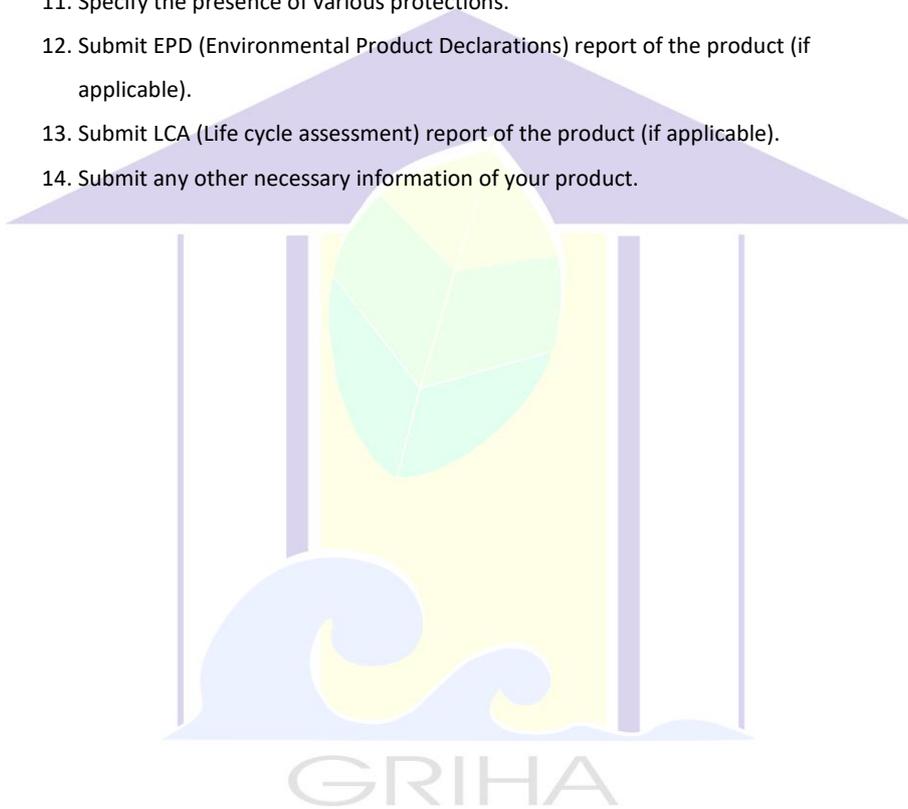
1. Describe the products
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit 3rd party test report mentioning the expected efficiencies of various treatment units as per Table 10-3 of CPHEEO Manual.
6. Submit 3rd party test report indicating that the treated water quality is in compliance with CPCB norms.
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



Solar Photo Voltaic

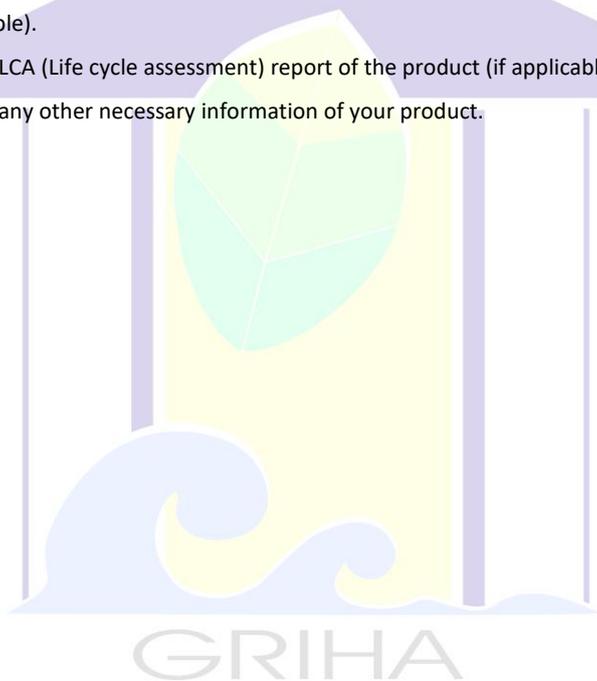
1. Describe the products
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Please submit the below information:
 - a. Type of PV cell used (mono-crystalline, poly-crystalline, thin film, hybrid solar cell etc.)
 - b. Make and model number of PV module
 - c. Cell efficiency at STC (in %)
 - d. Module efficiency at STC (in %)
 - e. Temperature coefficient (in %/OC for P_{mpp}, V_{oc} and I_{sc})
 - f. Degradation (in % over a period of 20yrs)
6. Specify the following details:
 - a. Number of cell in a module
 - b. Area of module (sq.mtr.)
 - c. Wattage (W)
 - d. Voltage at maximum power (V_{mp})
 - e. Current at maximum power (I_m)
 - f. Open circuit voltage (V_{oc})
 - g. Short circuit current (I_{sc})
 - h. Fill Factor (%)
7. Battery (if applicable)
 - a. Specify the battery capacity in terms of rated voltage and ampere-hour
 - b. Specify the battery efficiency in percentage
8. Charge controller (if applicable)
 - a. Specify the maximum voltage and current of the charger controller
 - b. Specify the rated voltage and current of the charger controller
9. Inverter or power converter or integrated power pack (if applicable)

- a. Specify if the device is Inverter or power converter or integrated power pack (if applicable)
 - b. Specify the power rating (Kw or kVA) of the device selected
 - c. Specify the maximum voltage and current of the device selected
 - d. Specify the rated voltage and current of the device selected
10. Submit load vs Efficiency curve.
 11. Specify the presence of various protections.
 12. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
 13. Submit LCA (Life cycle assessment) report of the product (if applicable).
 14. Submit any other necessary information of your product.



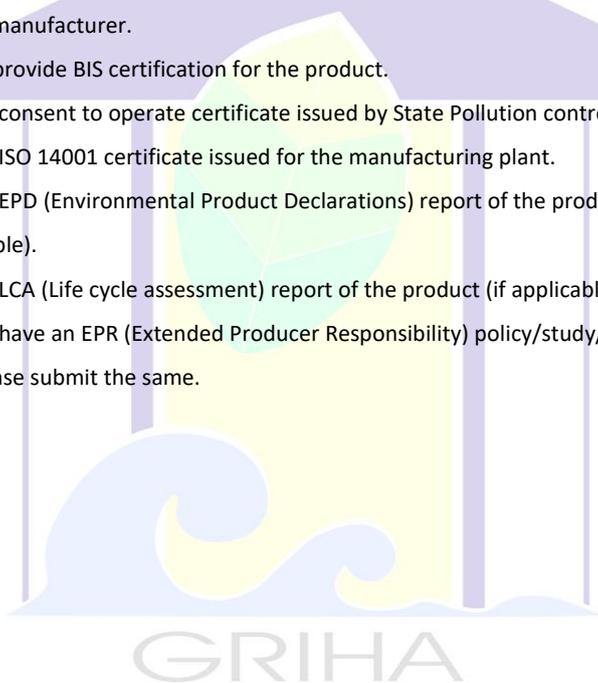
Sealants

1. Describe the products.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit 3rd party test report indicating the VOC content (in grams/litre) in the product.
6. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
7. Submit LCA (Life cycle assessment) report of the product (if applicable).
8. Submit any other necessary information of your product.



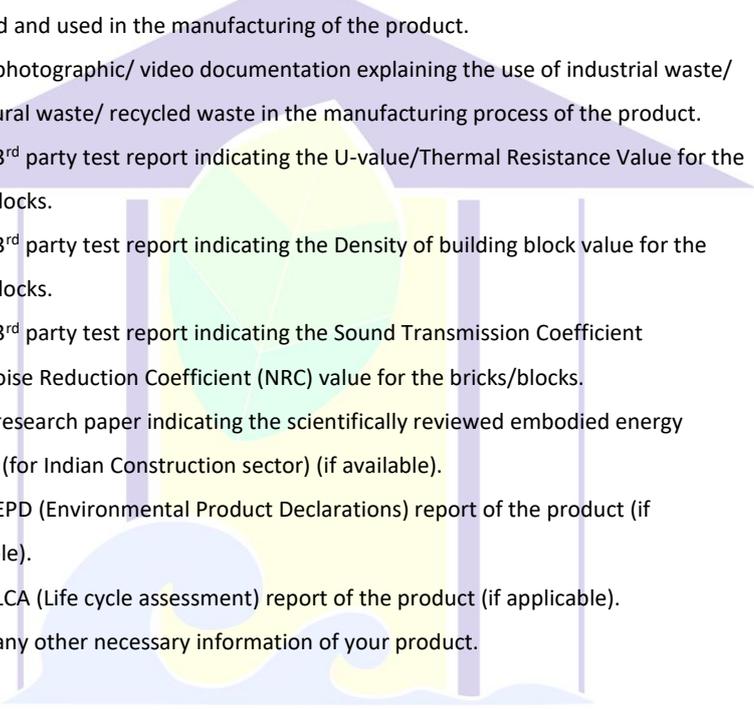
Transformers

1. Please elaborate on the range of transformers that you wish to enlist.
2. Please provide test results which demonstrate compliance of your transformer with the permissible loss values on zero load, partial (50%) load and full (100%) load indicating the compliance with IS: 1180 (Part 1): 1989 and with all amendments as on date. Please submit 3rd party test results for the same.
3. BEE star label certificate for the product.
4. Please provide the relevant documents demonstrating that the loss measurement was done using calibrated digital meters of class 0.5 or better accuracy and certified by the manufacturer.
5. Please provide BIS certification for the product.
6. Submit consent to operate certificate issued by State Pollution control board.
7. Submit ISO 14001 certificate issued for the manufacturing plant.
8. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
9. Submit LCA (Life cycle assessment) report of the product (if applicable).
10. Do you have an EPR (Extended Producer Responsibility) policy/study/document? If yes please submit the same.



Walling Blocks

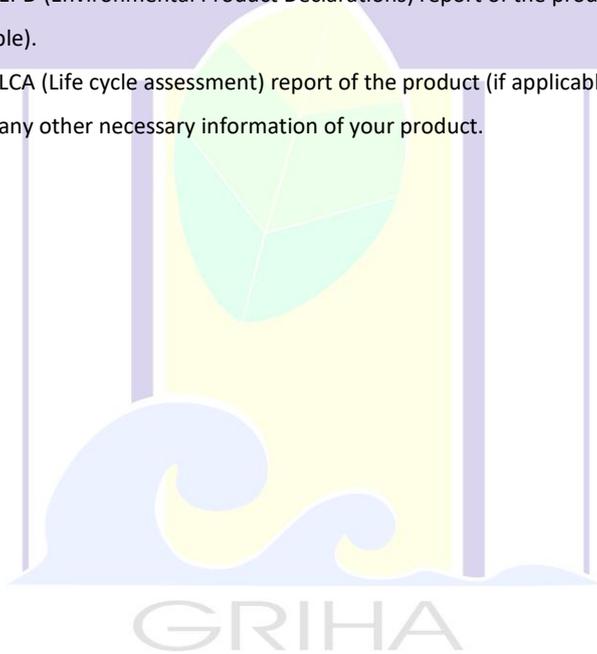
1. Describe the products
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
4. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
5. Submit copies of challans along with Bills/ PO of past 3 months for the waste procured and used in the manufacturing of the product.
6. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
7. Submit 3rd party test report indicating the U-value/Thermal Resistance Value for the bricks/blocks.
8. Submit 3rd party test report indicating the Density of building block value for the bricks/blocks.
9. Submit 3rd party test report indicating the Sound Transmission Coefficient (STC)/Noise Reduction Coefficient (NRC) value for the bricks/blocks.
10. Submit research paper indicating the scientifically reviewed embodied energy number (for Indian Construction sector) (if available).
11. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
12. Submit LCA (Life cycle assessment) report of the product (if applicable).
13. Submit any other necessary information of your product.



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Water Quality

1. Describe the products.
2. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
3. Submit consent to operate certificate issued by State Pollution control board.
4. Submit BIS (Bureau of Indian Standard) Certificate (if applicable).
5. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
6. Submit 3rd party water test report (as per BIS 10500: 2012).
7. Submit EPD (Environmental Product Declarations) report of the product (if applicable).
8. Submit LCA (Life cycle assessment) report of the product (if applicable).
9. Submit any other necessary information of your product.



Window Frames

1. Composition of the material used in the product.
2. Submit consent to operate certificate issued by State Pollution control board.
3. Submit BIS (Bureau of Indian Standard) certificate (if applicable).
4. Describe the product.
5. Submit 3rd party test results to demonstrate that the air leakage for your products is less than or equal to the ECBC threshold. ECBC 2007 thresholds: Glazed swinging entrance doors and revolving doors – $5.01/s\ m^2$ and other fenestrations and doors – $2.01 /s\ m^2$
6. Where in India is the product manufactured? If not manufactured in India, please specify the reason.
7. Submit photographic/ video documentation explaining the use of industrial waste/ agricultural waste/ recycled waste in the manufacturing process of the product.
8. Submit EPD (Environment Product Declaration) report (if applicable).
9. Submit LCA (Life Cycle Analysis) report (if applicable).
10. Submit any other necessary information of your product.

