

PROJECT AT A GLANCE

Sl. No.	Particulars	Description																
1	Name of the company	M/s. Gangotri Green Products LLP (GGPL)																
2	Name of the Designated Partners	(a) Mr. Aayush Kumar Saraf (b) Ms. Anushka Saraf																
3	Registered office of the company	3B, Rammohan Mallick Garden, Manikaran, 7th Floor, Kolkata – 700 010																
4	Proposed factory location	Mouza- Khalisani, P.S.- Uluberia, District- Howrah, Pin – 711 307																
5	Constitution	Limited Liability Partnership Firm																
6	Line of Activity	Manufacturing of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw																
7	Proposed installed capacity per annum	Paper Cup - 15,00,000 Kg Ripple Cup - 3,96,000 Kg Double Wall Cup - 1,98,000 Kg Pulp Table Ware - 7,20,000 Kg Plastic Container - 99,000 Kg Printing of Paper Cup - 99,000 Kg Paper Straw - 90,000 Kg																
8	Area of land	1.21 acres, i.e., 4887 sq. metre (approx.)																
9	Capacity Utilization (Proposed)	<table><tr><th>Projection Period</th><th>Capacity Utilization</th></tr><tr><td>2024-25</td><td>60%</td></tr><tr><td>2025-26</td><td>65%</td></tr><tr><td>2026-27</td><td>70%</td></tr><tr><td>2027-28</td><td>75%</td></tr><tr><td>2028-29</td><td>80%</td></tr><tr><td>2029-30</td><td>85%</td></tr><tr><td>2030-31</td><td>85%</td></tr></table>	Projection Period	Capacity Utilization	2024-25	60%	2025-26	65%	2026-27	70%	2027-28	75%	2028-29	80%	2029-30	85%	2030-31	85%
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		2029-30	85%															
2030-31	85%																	
10	Period of implementation	15 months starting from January, 2023																
11	Estimated date of commencement of commercial production (COD)	April, 2024																

12	Estimated cost of the project	Cost of the Project	(₹ in lacs)
		Land Cost (Free Hold)	0.00
		Site Development Cost	0.00
		Civil Construction	1326.00
		Plant and Machinery	1801.00
		Electrical Installation	130.00
		Miscellaneous Fixed Assets	55.00
		Contingencies	70.00
		Pre-operative Expenses	198.00
			3580.00
		Margin for working capital	195.00
		Margin money for non-fund-based limit (BG of ₹ 35.00 lacs × 25%)	9.00
		Total Cost	3784.00
13	Proposed means of finance	Means of Finance	(₹ in lacs)
		Promoter's contribution by way of	
		Partners' Capital	700.00
		Unsecured Loan	684.00
		Term Loan from Banks	2400.00
		Total Cost	3784.00
14	Debt- equity ratio	1.73:1	
15	Requirement of fund based working capital (proposed)	₹ 550.00 lacs for the financial year 2024-25	
16	Requirement of non-fund-based Bank Guarantee (proposed)	₹ 35.00 lacs	
17	Construction Equipment Loan (CEL- Hedging) (proposed)	₹ 15.00 lacs	
18	Repayment period of term loan (proposed)	Term Loan - ₹ 2400.00 lacs	
		22 quarterly installments with ballooning effect commencing from 1 st quarter of FY – 2025-2026 with a moratorium period of 4 quarters from the commencement of commercial production, i.e., 1 st April, 2024.	
19	Rate of interest (proposed):	Term Loan – 13.00% p.a. Working Capital – 13.00% p.a.	
20	Manpower requirement (proposed)	200	

21	DSCR of the project	Minimum DSCR- 1.73 Average DSCR- 2.13 Maximum DSCR- 2.90																		
22	Return on Assets (ROA) at the peak period of operation (F.Y. ending 2029-30)	18.69%																		
23	Current Ratio at the peak period of operation (F.Y. ending 2029-30)	2.75																		
24	Total Outside Liabilities (TOL)/Total Net Worth (TNW) Ratio at the peak period of operation (F.Y. ending 2029-30)	0.44																		
25	Pay-back period	5.67 years \approx approx. 5 years 9 months																		
26	IRR of the project	17.60% considering economic life as 10 years and salvage value of ₹ 2133.49 lacs at the end of economic life.																		
27	Average break-even point	53.28% \approx 54%																		
28	Average cash break-even point	29.34% \approx 30%																		
29	Sensitivity Analysis																			
	<table><tr><th>Normal DSCR</th><th>Average DSCR- 2.13</th></tr><tr><td>With 5% decrease in revenue generation</td><td>Average DSCR will fall to 1.70</td></tr><tr><td>With 10% decrease in revenue generation</td><td>Average DSCR will fall to 1.28</td></tr><tr><td>With 5% increase in variable cost</td><td>Average DSCR will fall to 1.76</td></tr><tr><td>With 10% increase in variable cost</td><td>Average DSCR will fall to 1.39</td></tr><tr><td>With 5% decrease in capacity utilization</td><td>Average DSCR will fall to 1.96</td></tr><tr><td>With 10% decrease in capacity utilization</td><td>Average DSCR will fall to 1.78</td></tr><tr><td>With 14% interest rate on Term Loan</td><td>Average DSCR will fall to 2.08</td></tr><tr><td>With 15% interest rate on Term Loan</td><td>Average DSCR will fall to 2.03</td></tr></table>		Normal DSCR	Average DSCR- 2.13	With 5% decrease in revenue generation	Average DSCR will fall to 1.70	With 10% decrease in revenue generation	Average DSCR will fall to 1.28	With 5% increase in variable cost	Average DSCR will fall to 1.76	With 10% increase in variable cost	Average DSCR will fall to 1.39	With 5% decrease in capacity utilization	Average DSCR will fall to 1.96	With 10% decrease in capacity utilization	Average DSCR will fall to 1.78	With 14% interest rate on Term Loan	Average DSCR will fall to 2.08	With 15% interest rate on Term Loan	Average DSCR will fall to 2.03
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CHAPTER – 1

INTRODUCTION WITH BRIEF BACKGROUND OF THE COMPANY

- 1.1 M/s. Gangotri Green Products LLP (GGPL)**, a limited liability partnership firm was incorporated on 14th February, 2022 under the provisions of the Limited Liability Partnership Act, 2008. Its LLP Identification Number is ABA-6408 and Permanent Account Number (PAN) is AAYFG0176D. A copy of the LLP Incorporation Certificate is enclosed as **annexure – 1/1**.
- 1.2** The main objectives of the LLP are to carry on business as manufacturers and/or dealers in and importers and exporters of all kind of packing and disposable items like aluminium container, paper cup, plastic food container, paper plates and other similar and eco-friendly items wholly or partly made of papers, aluminium, plastic and perform business related to the same. Its registered office is at 3B, Rammohan Mallick Garden, Manikaran, 7th Floor, Kolkata – 700 010.
- 1.3 Gangotri Green Products LLP** was originally promoted by three partners – a) Ayush Kumar Saraf, b) Anushka Saraf and c) Sakchhi Trivedi. Later, vide the latest supplementary LLP agreement, Sakchhi Trivedi retired as partner from the LLP. Present partners are as follows:

Sl. No.	Name of the Partner	DPIN	Residential Address	% of share
1	Aayush Kumar Saraf (Designated Partner)	08016285	3B, Rammohan Mallick Garden, Manikaran, 7th Floor, Flat – 75A, Kolkata – 700 010	90.00%
2	Anushka Saraf (Designated Partner)	09505740		10.00%
	Total			100.00%

Copies of the Limited Liability Partnership agreement as well as the latest supplementary deed have been collectively enclosed as **annexure – 1/2**.

- 1.4 Gangotri Green Products LLP has come up with a plan to set up a manufacturing unit of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw at Mouza- Khalisani, P.S.- Uluberia, District- Howrah, Pin– 711 307 with installed capacity as under:

Name of Product	Installed Capacity per annum
Paper Cup	15,00,000 kg
Ripple Cup	3,96,000 kg
Double Wall Cup	1,98,000 kg
Pulp Table Ware	7,20,000 kg
Plastic Container	99,000 kg
Printing of Paper Cup	99,000 kg
Paper Straw	90,000 kg

- 1.5 GGPL has approached State Bank of India, SME EXIM Branch, Kolkata (SBI-SME-EXIM) for financial assistance for the proposed project. SBI-SME-EXIM has appointed **Sayantana Consultants Pvt. Ltd. (SCPL)** to prepare TEV report for the proposed project vide their letter no. SME EXIM/AMT-III/2022-23/342 dated 17.01.2023. A copy of the appointment letter is enclosed as **annexure – 1/3**.
- 1.6 SCPL asked for the list of information/ documents/ particulars for preparing the TEV report vide its mail dated 10.01.2023 (04:23 PM), a copy of which is enclosed as **annexure – 1/4**.

- 1.7 Mr. Soham Satya Kuity, Civil Engineer and Sr. Manager (Project Appraisal) of SCPL visited the site on 24.01.2023, inspected and assessed the progress of implementation of the project. He was accompanied by Mr. Anil Saraf, Mr. Aayush Saraf and Mr. Sudhir Budhia. He also visited the existing paper cup manufacturing unit of M/s. Gangotri Projects Pvt. Ltd. on the same date. Mr. Aayush Saraf is one of the members of the Board of Directors of M/s. Gangotri Projects Pvt. Ltd.

Some pictures taken at the time of site visits are given as **annexure – 1/5**.

- 1.8 The day to day affairs of the unit would be managed by Mr. Aayush Saraf. He would be accompanied by experienced professionals and the unit would generate employment to approximately 200 persons.
- 1.9 The company has acquired around 73.195 Katha of land on lease rental basis, which is equivalent to 1.21 acres, i.e., 4887 sq. metres (approx.) or 52608 sq. ft. (approx.). The said land is adequate to set up the proposed unit.
- 1.10 During the course of site inspection, it was observed that the project site has been developed by land filling of 3 ft height. Installation of 174 nos. of piles having specification of 450 mm dia. and 18 m. length had been completed. The project site is secured by existing boundary wall of about 10 ft. height. Construction work of underground reservoir was in progress. It is reported by GGPL that they had spent about ₹ 110.21 lacs under the heading “Civil Construction” till 31.01.2023 and the same was certified by the Chartered Accountant, namely, Sumit Kumar Shaw. A copy of the certificate is enclosed as **annexure – 1/6**.

CHAPTER – 2

BRIEF BACKGROUND OF THE PROMOTERS/PARTNERS AND PROPOSED ORGANISATIONAL SET UP

2.1 GGPL is a Limited Liability Partnership firm. The designated partners of the firm are as follows:-

- (a) Mr. Aayush Kumar Saraf
- (b) Ms. Anushka Saraf

a) **Mr. Aayush Kumar Saraf**, aged about 24 years, is a graduate. He is in the board of directors of the company, namely, M/s. Gangotri Projects Pvt. Ltd., which is in similar line of business of manufacturing paper cups.

Name	Mr. Aayush Kumar Saraf
Father's Name	Anil Kumar Saraf
Address	Mani Karan, Flat No. -7SA, 3B, Ram Mohan Mullick Garden Lane, Kolkata – 700 010
Date of Birth	22.04.1999
PAN	IHVPS6839B
Aadhaar No.	2473 4805 4097
Qualification	Graduate
Occupation	Business

b) **Ms. Anushka Saraf**, aged about 21 years, is a graduate. She is the sister of Mr. Aayush Kumar Saraf. Being raised in a business family, she is well aware of business management.

Name	Ms. Anushka Saraf
Father's Name	Anil Kumar Saraf
Address	Mani Karan, Flat No. -7SA, 3B, Ram Mohan Mullick Garden Lane, Kolkata - 700010
Date of Birth	18.01.2002
PAN	NDFPS6166Q
Aadhaar No.	8582 5387 9819
Qualification	Graduate
Occupation	Business

Both the designated partners are children of Mr. Anil Kumar Saraf. Anil Kumar Saraf, is the chairman of the Gangotri Group of companies, is a renowned businessman. Mr. Saraf is a graduate from Kolkata and has almost decades of experience in the Saree business. He started his career of real estate business with 2 projects. With an entrepreneurial mindset he started a number of business establishments leading to the formation of Gangotri Group of companies operating on a highly diversified business model.

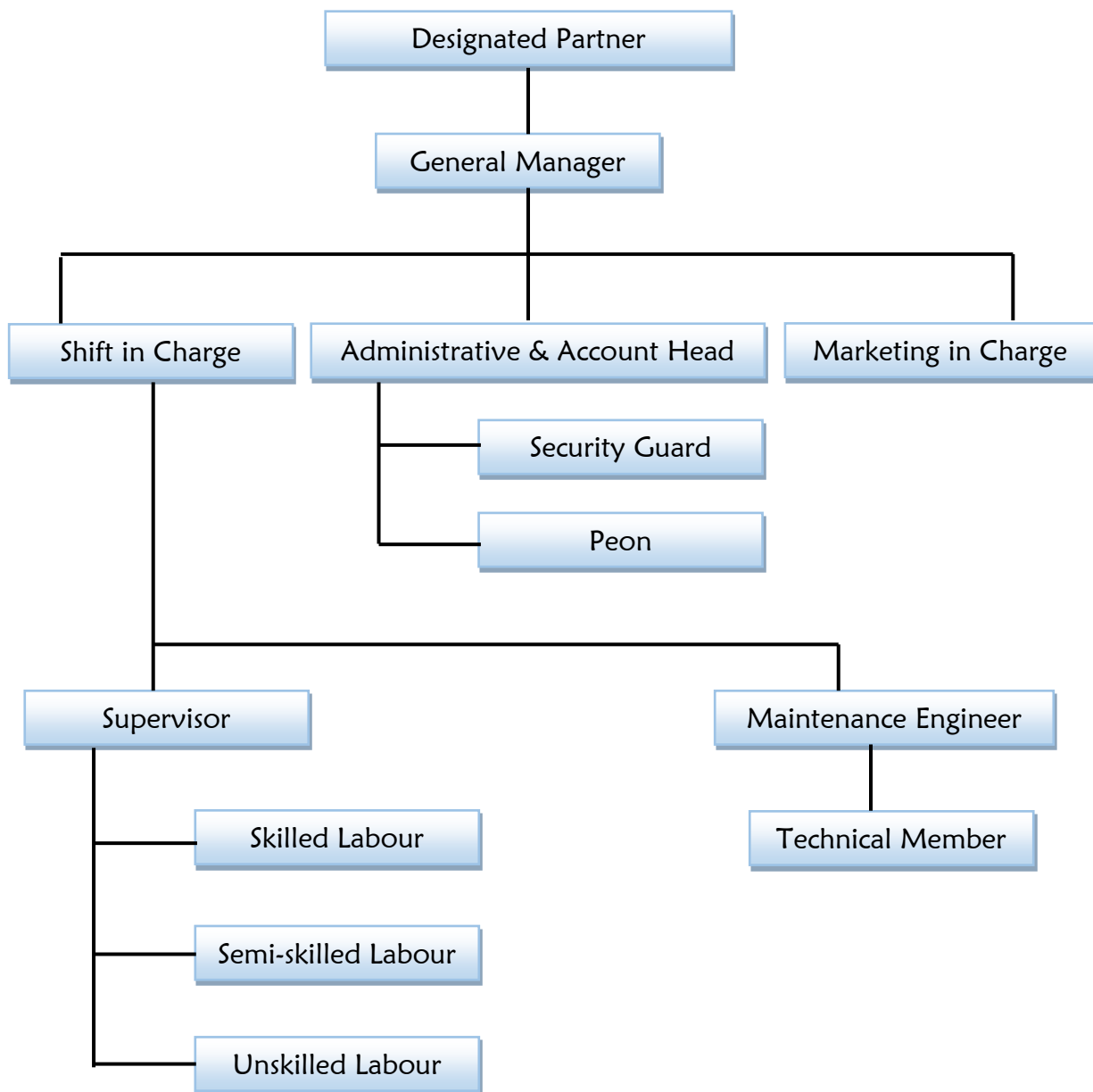
Gangotri Group is a Kolkata based Real Estate business house engaged in creating quality residential and commercial properties at affordable prices. The group is in the process of implementing of residential and commercial projects over 4,00,000 Sq. ft. in and around Kolkata. All these projects are being executed by the company, namely, M/s. Grap Realty Pvt. Ltd. of Gangotri Group.

2.2 Brief outline of the associate company is given below:

M/s. Grap Realty Pvt. Ltd. (GRPL) is a company incorporated in India on 16th January 2009. Its corporate office is at Godrej Genesis Building, Block-EP & GP, Unit No. 1006, Plot-XI, 10th Floor, Sector -V, Salt Lake City, Kolkata – 700 091. The Company is promoted by Promoters of renowned Gangotri Group. Shri Anil Kumar Saraf, a graduate from Kolkata, is spearheading the growth plans of the group.

- 2.3 The day-to-day affairs of the company would be looked after by the designated partners of the firm. The management, in turn, would be assisted by a team of professionals for handling all technical matters related to the plant operation, maintenance, quality control; finance department for handling all matters connected with finance, costing, purchase department and sales department.
- 2.4 For this purpose, GGPL would appoint necessary key technical and professional personnel who would look after the production, marketing, finance, purchase and sales departments of the company.

2.5 Proposed Organizational Chart:



CHAPTER – 3

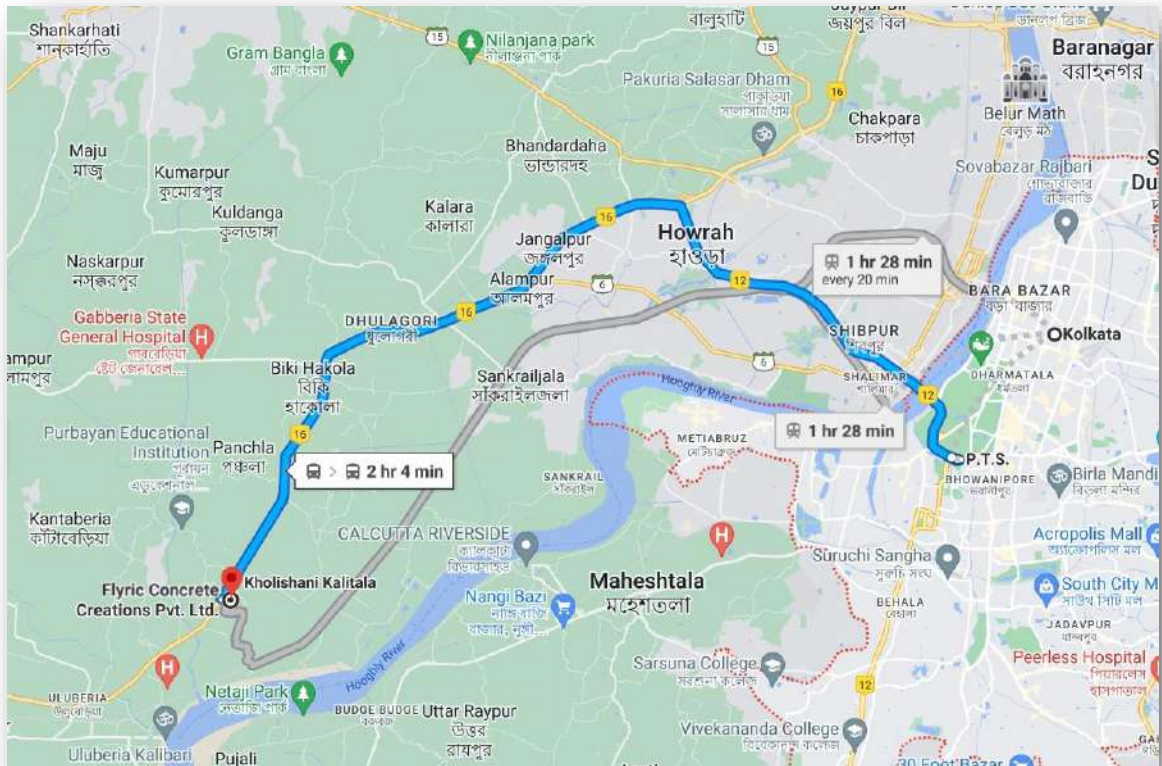
TECHNICAL FEASIBILITY OF THE PROJECT

In this section, the following aspects of the project have been addressed and examined and finally comments thereon have been given:-

- 3.1 Site and locational advantage
- 3.2 Land and building
- 3.3 Product profile
- 3.4 Production process
- 3.5 Plant and machinery
- 3.6 Plant layout
- 3.7 Capacity calculation and Capacity utilization
- 3.8 Utilities and other service facilities
- 3.9 Requirement of raw material and their availability
- 3.10 Manpower requirement
- 3.11 Statutory requirement and compliance thereof
- 3.12 Proposed implementation schedule
- 3.13 Suggested marketing strategy

3.1 Site and locational advantages:

3.1.1 The proposed site of GGPL is located at at Mouza- Khalisani, P.S.- Uluberia, District- Howrah, Pin- 711 307. The site is situated inside the “Bhuiya Industrial Complex” beside NH16. The site is close to Bauria Railway Station.



3.1.2 The other infrastructural benefits enjoyed by the proposed unit are:

- Suitability of the land from topographical and geological aspects.
- Surface transport is easily available from the National Highways/ State Highway and which are being well connected to other roads.
- Easy availability of both skilled and unskilled labours.
- Easy availability of utilities like power, water etc. Power is available at factory site from West Bengal State Electricity Distribution Company Limited (WBSEDCL).

3.2 Land and building:

3.2.1 GGPL has taken on lease the land area of 73.195 Cottah, i.e., about 1.21 acres, i.e., 4887 sq. metre (approx) from M/s. Flyric Concrete Creations Pvt. Ltd. (CIN – U26931WB2012PTC186859; PAN – AACCF0657M). The company is one of the associate concerns and is represented by one of its Director, Mr. Anil Kumar Saraf. The said land is adequate to set up the proposed unit. All the copies of land deeds along with lease deed has been shared to the bank by the company. As such, the same has not been annexed herewith.

The area of land has been mutated in the name of the owner, i.e., M/s. Flyric Concrete Creations Pvt. Ltd. A copy of the mutation certificate is enclosed as **annexure – 3/1**. The area of land has been converted in the land classification, namely, Factory (“Karkhana”). A copy of conversion certificate is enclosed as **annexure – 3/2**.

3.2.2 The proposed plant shall comprise of one factory workshop building with built-up area of 6370.127 sq. m. The broad specifications of the building are as under:

- a) Ground coverage – 2031.024 sq. m. (= 52.4 m × 38.76 m)
- b) G+2 storied building
- c) Plinth height – 1000 mm
- d) Ground floor height – 6100 mm
- e) 1st floor height – 3945 mm
- f) 2nd floor height – 3945 mm

Copies of the sanctioned ground floor plan, site plan and location plan and typical floor plan, floor elevation plan are collectively enclosed as **annexure – 3/3**.

3.3 Product profile:

3.3.1 GGPL has proposed to manufacture the following products:

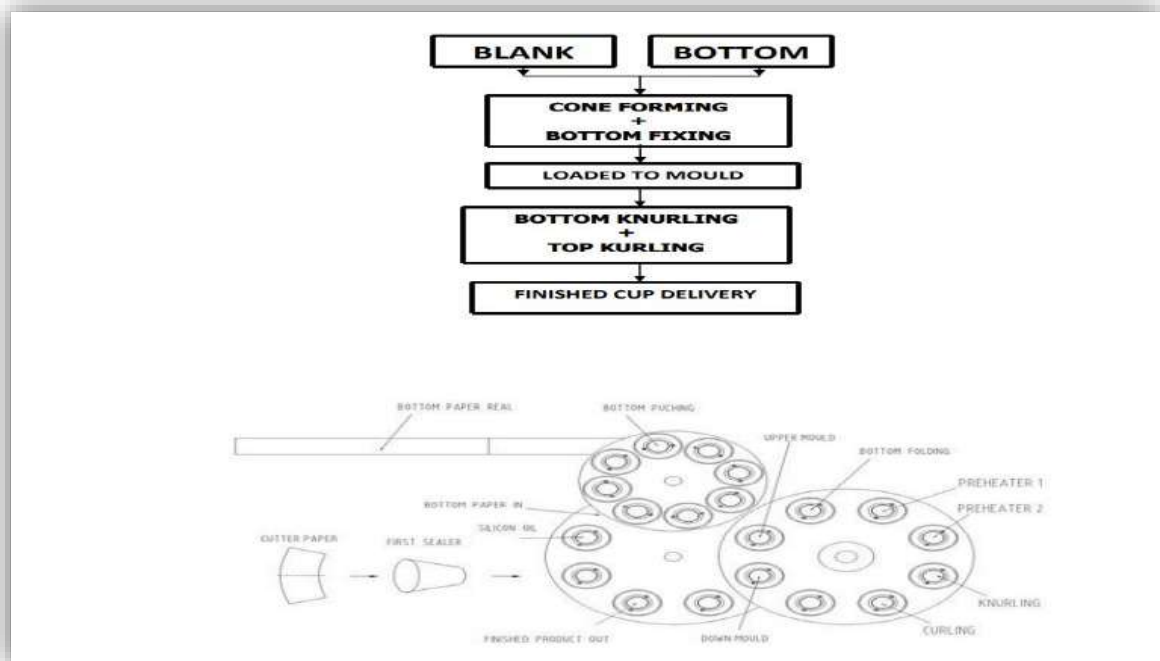
- a) **Paper Cup:** A paper cup is a disposable cup made out of paper and often lined or coated with plastic or wax to prevent liquid from leaking out or soaking through the paper. It may be made of recycled paper and is widely used around the world. Paper cups are made in a variety of sizes and shapes according to the amount of material to be filled.
- b) **Ripple Cup:** Ripple cups are essentially a two-in-one cup. They are a single wall paper cup with a layer of rippled paper glued to the outside. Basically, a normal paper coffee cup with a paper coffee sleeve glued to the outside.
- c) **Double Wall Cup:** Double-wall paper cups are made of two-layer paper with a small air pocket in-between. Therefore, the cups protect against hot temperature and you can comfortably hold them in your hands and the drink will stay warm for a longer period of time.
- d) **Pulp Table Ware:** Paper tableware is a tableware that can be used by people instead of metal and plastic, which is made by vacuum adsorption moulding, drying, and deep processing of pulp by mould.
- e) **Plastic Container:** Plastic containers are enclosures fabricated from plastic that are made to contain items. Plastic containers are made of plastic resins such as polyethylene terephthalate, polypropylene, high-density polyethylene, and low-density polyethylene. These are mostly used for packaging and are available in different forms such as bottles, bottle jars, bowls, and pails.
- f) **Paper Straw:** A paper drinking straw or drinking tube is a small pipe that allows its user to more conveniently consume a beverage. A thin tube of paper is used by placing one end in the mouth and the other in the beverage. Drinking straws can be straight or have an angle-adjustable bellows segment. Paper straw is gathering momentum due to ban imposed on the use of single use plastics.

3.4 Production process

3.4.1 Paper Cup:

The foodservice paperboard is turned into reels. The reels are printed and cut into carefully measured cup sidewall blanks. The blanks are inserted into cup-forming machines that wrap the blanks into a cup shape and add the bottom. The seams of the cups are heated in order to make the cups liquid proof. The general structure of paper cup forming machine is composed of three stages. They are:

- The first stage: mainly finishes transmission of the paper cup's side-wall paper, shaping side-wall and transferring them to the second stage after shaped.
- The second stage: transmission of the cup-bottom paper, shaping cup-bottom, joining the shaped side-wall and cup-bottom, automatic transmission and discharging of the shaped cup, and curling the shaped cup's edge.
- The third stage: mainly includes 45-degree angle separating, preheating, curling bottom, rouletting, curling rim and so on mechanisms, which are the important parts in finishing paper cup.



3.4.2 Ripple Cup

Ripple cup is used as high-end paper cups for cafe and cold drink shops. It has the advantages of good temperature isolation, strong compression resistance and hardness, and are not easily deformed. And it is getting more and more popular in the mark.

a) Printing

The printing should be roll to roll flexo printing, as the printed paper roll will be stuck with the bottom paper on the corrugation machine. The printing ink always be the water based ink, and the printing plate is flexo plate.

b) Corrugation making

This is the most important step of the ripple cup manufacturing. The printed paper will be made with corrugation, and also be stuck onto the bottom paper. Usually the glue is corn or potato starch glue. The quality is up to the temperature, the amount of gluing, the machine running speed, all this controlled by the experienced machine operator. A corrugated paper roll will be finished producing and ready to be die cut to get ripple cup fan sheets.

c) Die Cutting

After corrugation making, the corrugated paper roll will be put onto the flatbed die cutting machine to get ripple outer fan sheets. Usually one die cutting machine can make 80-120 strokes per minute.

d) Gluing

The outer ripple fan sheets need to be glued so it could be stuck onto the white paper cup perfectly by the sleeve sticking machine. Usually the gluing is along one side of the outer ripple fan sheets.

e) Sticking

This is the final step of the whole process. With the sleeve sticking machine, the outer ripple fan sheets could be stuck onto the white paper cup by the ultrasonic. A sticking machine could finish 50-65 cups per minute.

3.4.3 Double Wall Cup

Paper cups for hot and cold beverages are widely used. These cups are either single-walled paper cups or double-walled paper cups and generally have a frusto-conical shape having an increasing diameter from the bottom towards the top. Double-walled cups are generally used for hot beverages such as coffee.

More and more retailers are using conventional double-walled paper cups to make specialist tea drinks using boiling water. Such cups have an outer sleeve secured to an inner cup. Normally hot coffee is only heated to about 80 degrees Celsius. Conventional double-walled cups substantially prevent heat transfer from the inner cup to the outer sleeve of the double-walled cup by providing a gap between the inner cup and the outer sleeve. However, when it comes to boiling water at 95 degrees Celsius then the heat transfer is very high. Accordingly, conventional double-walled cups struggle to prevent excess heat transfer. The likelihood of subsequent scalding is greatly increased.

A standard technique for creating a heat insulation air gap within double-walled cups involves curling the outer sleeve up at a bottom portion thereof and when the sleeve is pushed onto the paper cup, a gap is formed at the bottom creating an air pocket between the inner cup and the outer sleeve. The air pocket serves as insulation thereby reducing heat transfer. The double-walled paper cup comprises an inner cup and an outer sleeve configured to circumferentially envelop the inner cup and to be attached at a top and bottom circumferential edge thereof to the inner cup; wherein the top edge of the outer sleeve is folded inwards on itself to form a contact strip for attachment to a portion of the inner cup adjacent to a lip of the inner cup, the contact strip defining a gap between the inner cup and outer sleeve. The method of manufacturing the paper cup comprises using a cold glue process and a hot melt glue process to attach the outer sleeve and the inner cup together.

3.4.4 Pulp Table Ware

Paper tableware is a tableware that can be used by people instead of metal and plastic, which is made by vacuum adsorption moulding, drying, and deep processing of pulp by mould. Its production process can be roughly divided into the following parts:

a) Pulping Process

In order to improve the strength and other properties of pulp tableware, the main raw materials and related auxiliary materials should be prepared first, and mixed with pulp with a certain degree of beating and a certain concentration to form pulp tableware raw material pulp. The main raw material is typically bleached wood pulp, which can be purchased directly from specialized pulp and paper mills (produced by a series of processing of wood). Usually, the products of relatively commercial grades need to use imported high-grade wood pulp; mid-grade products can choose domestic ordinary wood pulp, and low-grade products can choose bagasse pulp, straw pulp, bamboo pulp, reed pulp and selected white paper edge, etc.

The addition of relevant auxiliary materials is to improve the humidity resistance of pulp tableware moulding and the waterproof performance of the finished product. Specific relevant auxiliary materials can be added to prepare the pulp. Finally, the concentration of the original pulp can be adjusted horizontally to about 2%, so that the original pulp can be placed on the mesh mould.

b) Moulding Process

Forming is to make the raw pulp into a certain shape of the semi-wet pulp tableware blank. That is to say, the pulp from the pulping process is dehydrated on the metal mould to form the prototype of the wet pulp tableware. This is the key process in the production of paper tableware. About 95% of the water in the pulp is removed during moulding. Therefore,

this process plays a decisive role in product quality, energy consumption, production efficiency improvement and breakage rate. The quality of molding depends on factors such as molding machine, molding method, mold structure and quality, and puree quality.

c) Drying

The process of removing the water that is not removed from the pulp tableware prototype during the forming process to reduce the cost of drying and dehydration is called molding. Simultaneous molding can improve the bonding force between fibers and increase the strength of the wet paper mold.

Drying is to heat and evaporate the pulp tableware prototype with the help of the heat of the preheated upper and lower stereotyped pure copper molds to remove the remaining water after the pulp tableware prototype is molded, and at the same time, it plays a role in sterilization.

Due to the large thermal energy consumption in the drying process, the cost is about 300 times that of forming and dehydration. Therefore, the entire drying process should be reasonably designed to save costs. It has become the main way for pulp tableware enterprises to improve their economic benefits.

d) Shaping and trimming

In this process, hot molds are used for compression molding, calendering, and eliminating the net marks left by the paper web forming, so that the inner and outer surfaces are smooth and smooth, and some characters and patterns can be pressed according to different customers and usage requirements. At the same time, the burrs on the edge of the quick cutlery are cut off, and the indentation that facilitates the folding and opening of the box cover is pressed.

3.4.5 Plastic Container

There are several methods to create plastic containers at their disposal. The most popular methods for plastic manufacturing process are extrusion blow moulding, injection blow moulding, stretch blow moulding, injection moulding, and co-extrusion. In the subject project, GGPL will implement injection blow moulding method.

Injection blow moulding is performed in three important stages. First, melted plastic is injected into a mould to produce a parison. Compressed air then blows through a core pin to expand the mould. Finally, the container is transferred to a third station for ejection. And the final product gets produced.

3.4.6 Paper Straw

The good quality of food grade paper rolls is procured. The paper straw could be in one colour or more than one colour. As per requirement of colour, the paper rolls are mounted over the roller stand of the machine. The paper is fed through rollers and sends into the gluing section. Food grade glue is mounted over the corners of the paper. After this, the paper gets reminded through a set of rollers as per required dimension. The inner diameter of the straw could vary from 4.7mm to 20 mm. The paper strips are stitched over one another precisely and glued together.

After this, the straws are fed into the cutting section where the cutters are mounted. The straws are cut down as per the desired length and collected into the bins. After this, they are packed and dispatched as per the required quantity.

3.5 Plant and machinery:

Keeping in view the above production process, GGPL would require to purchase and install plant and machineries to achieve the proposed installed capacity of different finished goods as under:

Paper Cup - 15,00,000 Kg per annum; Ripple Cup - 3,96,000 Kg per annum; Double Wall Cup - 1,98,000 Kg per annum; Pulp Table Ware - 7,20,000 Kg per annum; Plastic Container - 99,000 Kg per annum; Printing of Paper Cup - 99,000 Kg per annum; Paper Straw - 90,000 Kg per annum.

Description of the main plant and machineries GGPL proposes to purchase are given below:

S. No.	Name of the machinery	Qty.
	Pulp Table Ware	
1	Pulp Molding Machine (6 sets)	1
2	Pulping Station	1
	Printing Machine	
3	Flexo printing Machine	1
	Paper Cup	
4	High Speed Paper Cup Machine (GLI 1100)	4
5	Paper Cup Machine (GLI 900)	4
6	Paper Cup Machine (GLI 800)	17
	Paper Plate	
7	Paper Plate Machine (GLI 800)	1
	Ripple Cup	
8	Ripple Paper Cup Machine	6
9	Ripple Corrugation Machine	1
	Double Wall Cup	
10	Double Wall Paper Cup	3
	Plastic Container	
11	Injection Molding Machine	3
	Paper Straw	
12	Paper Straw Machine	1
	Other Machineries	
13	Roll Die Cutting Machine	1
14	Folder and Gluing Machine	2
15	Slitting Machine	1

All the quotations of the machinery and electrical equipment are collectively enclosed as annexure – 3/4.

3.6 Plant layout:

Keeping in view the various processes and operations involved in manufacturing of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw and the machineries to be installed, the layout of each floor of the building needs to be framed. SCPL is of the opinion that the built-up area of the building as proposed by GGPL is adequate for installation of proposed machinery. However, GGPL has to submit the sanctioned plan layout of each floor of the building.

3.7 Capacity calculation and capacity utilization:

Capacity of paper cup, straw, container and tableware manufacturing unit depends on the number and capacity of each machine in operation. Accordingly, the annual capacity of different finished products has been estimated. The unit is proposed to be operated in 300 days per annum, 2 shifts of 10 hours each per day. Production capacity per annum at 100% capacity utilization of each products are as under:

Product	Maximum rated machine capacity per minute (pcs)	Average Actual production per minute	Average weight in gm per pc	No of hours of production per day	Average production per machine per day (kg)
Paper Cup	70-80	16	10.5	20	200
Double Wall Cup	60-70	12	15.5	20	220
Ripple Cup	60-70	12	15.5	20	220
Pulp Table Ware	25-30	11	30	20	400
Plastic container	12-15	5	18	20	110
Paper straw	300-350	220	1.15	20	300

Installed Capacity

Products	Paper Cup	Ripple Cup	Double Wall cup	Pulp Table Ware	Plastic Container	Printing of Paper cup	Paper Straw
Average Production per day per machine (kg)	200	220	220	400	110	4000	300
No. of Machine	25	6	3	6	3	1	1
Production per Day (kg)	5000	1320	660	2400	330	4000	300
Installed Capacity per Annum (kg)	1500000	396000	198000	720000	99000	1200000	90000

The proposed capacity utilization for the subject project over the first 7 years of operation is as under:

Projection Period	Capacity Utilization
2024-25	60%
2025-26	65%
2026-27	70%
2027-28	75%
2028-29	80%
2029-30	85%
2030-31	85%

3.8 Utilities and other service facilities:**3.8.1 Power requirement:**

Based on annual installed capacity of the plant and the specification of the machinery to be installed; the estimated power requirement for smooth operation of the unit will be around 1000 KVA HT electrical power.

The company has to apply for sanctioned power supply from West Bengal State Electricity Distribution Company Limited.

3.8.2 Water requirement:

The maximum requirement of water has been estimated at 25 KL per day, for processing, drinking and washing purpose. The supply of water will be availed from subsoil by sinking a deep tube well at the site. Motor pumps and the required storage tanks are to be arranged for the proposed unit.

3.8.3 Fire safety system:

GGPL has applied for no-objection certificate from Govt. of West Bengal Office of Divisional Fire Officer, Howrah, West Bengal Fire & Emergency Services. The company would have to take adequate measures as would be prescribed by the fire fighting and emergency services department and arrange for an adequate protective and rescue equipment to meet any emergency situation. However, GGPL has proposed to firefighting equipment as follows:

- a) Fire alarm system
- b) Fire containment
- c) Hydrant system for the entire plant
- d) High velocity water spray (HVWS) system
- e) Carbon dioxide flooding system
- f) Portable fire extinguishers.

3.9 Requirement of raw material and their availability:

Main raw materials for different finished products are as under:

Finished Products	Raw Material
Paper cup Printing of Plastic Cup	Cupstock Paper The cupstock paper is coated with food grade Polyethylene (PE).
Ripple Cup Double Wall Cup	Cupstock and Coated Kraft Paper Polyamide or polyamine resin can be added into kraft fiber and cured under heat to produce wet strength kraft paper.
Pulp Tableware	Agro Pulp Pulp is a lignocellulosic fibrous material prepared by chemically or mechanically separating cellulose fibers from wood, fiber crops, waste paper, or rags.
Plastic Container	Plastic Granules Plastic granules are the common delivery form of thermoplastic materials used by manufacturers of raw plastic materials for the plastics processing industry.
Paper Straw	Straw Paper Paper straws are typically made using food grade paper. They are designed to last through end of use, but biodegrade easily once recycled or disposed of.

All the above-mentioned raw materials are locally available. Kolkata is the hub of raw materials for manufacturing of such products. However, the associate concern, M/s. Gangotri Products Pvt. Ltd. is in the same line of business and has steady supply chain of raw materials. GGPL will also procure raw materials from their existing suppliers. Name and address of five such suppliers are as under:

Sl No.	Name of Suppliers	Address
1	Haldia Petrochemicals Limited	Tower 1, Bengal Eco Intelligent Park, Block EM, Plot No.3, Sector V, Salt Lake, Kolkata, West Bengal, 700091
2	Century Pulp & Paper (M/s. Century Textiles and Industries Limited)	Ghanshyamdham, Lalkua, Nainital, Uttarakhand, 262402
3	Yash Pakka Limited	Yash Nagar, Darshan Nagar, Ayodhya, Uttar Pradesh, 224135
4	JK Paper Limited	Jaykaypur, Rayagada, Odisha, 76501
5	Kuantum Papers Limited	Hoshiarpur, Punjab - 144529

3.10 Manpower requirement:

For smooth and efficient operation, the unit would have to employ experienced, trained and capable set of staff and workers. Keeping in view the proposed production procedure, total manpower requirement would be around 200 as under:

Particular	No. of manpower
General Manager	1
Shift In charge	2
Maintenance Engineer	2
Supervisor	4
Skilled Labour	40
Semi-Skilled Labour	40
Unskilled Labour	80
Technical Member	5
Marketing Member	10
Administrative Department	10
Security Guard	4
Peons	2
Total	200

The salaries proposed are in accordance with the present pay structure in similar plants. Availability of staff shall not cause any problem as adequate numbers of trained and experienced persons are easily available.

3.11 Statutory requirement and compliance thereof:

The company would have to arrange for the following government approvals for commencing the unit:

Sl. No.	Parameter	Current Status
1.	Consent to Establish from Pollution Control Board, West Bengal	GGPL has to apply for the Consent to Establish from Pollution Control Board, West Bengal.
2.	Consent to Operate from Pollution Control Board, West Bengal	GGPL has to apply for the consent to operate before commencement of commercial production.
3.	N.O.C/ Fire safety certificate from the Government of West Bengal	GGPL has obtained the fire safety recommendation letter from the office of the Director General, West Bengal Fire & Emergency Services vide memo no. FSR/0225186231300278 dated 02.06.2023. A copy of the recommendation letter has been enclosed as annexure – 3/5 .
4.	Sanctioned Building Plan of the Factory Building	GGPL has obtained the Sanctioned Building Plan of the Factory Building.
5.	Factory Licence from Chief Inspector of Factories	GGPL has to apply for the factory licence before commencement of commercial production.
6.	Power connection from WBSEDCL	GGPL has to apply for power connection.
7.	Registration under MSME Scheme	GGPL has obtained the Udyam Registration Certificate from Government of India. A copy of the certificate is enclosed as annexure – 3/6 .
8.	Registration under Goods and Services Tax (GST)	GGPL has applied for GST registration. A copy of the acknowledgement has been enclosed as annexure – 3/7 .
9.	PAN Card	GGPL has obtained PAN Card from the Income Tax Department, Government of India. A copy of the PAN Card is enclosed as annexure – 3/8 .
10.	Trade Licence	GGPL has to apply for trade licence.

GGPL should take actions to procure the above remaining clearances before commencement of commercial operation.

3.12 Proposed implementation schedule:

We have examined the implementation period of the project as proposed by the company and according to our assessment the company would be able to start its commercial production from April, 2024. Activity-wise time for implementing the project is given below:

Activity	Expected Date of Commencement	Expected Date of Completion
Procurement of land	Completed	
Site Development	Completed	
Construction of factory shed	January' 2023	December' 2023
Placement of orders for plant & Machinery	May' 2023	December' 2023
Delivery of Machineries at site and installation	August, 2023	January' 2024
Arrangement of Power, Raw Materials	November' 2023	February' 2024
Trial Runs	March' 2024	
Commercial production	April' 2024	

3.13 Suggested marketing strategy:

- a) To have a good liaison with the buyers and sellers.
- b) For effective marketing strategy in place following steps may be taken: -
 - o To build a brand ensuring quality.
 - o To keep commitments in terms of quality, quantity and delivery.
 - o To have an effective supply chain management.
 - o To explore newer territories with potential customers.

The company proposes to sell the finished products to the following buyers:

Sl No.	Name of Buyers	Address
1	Anshu Enterprise	House No-11, Ground Floor, Kalapahar Gopinath Nagar, Guwahati, Kamrup Metropolitan, Assam - 781016
2	Mourami Sales	Kamala Market, T R Phookan Road, Galla Patty, Fancy Bazar, Guwahati, Kamrup Metropolitan, Assam - 781001
3	Manimala Enterprise	Gopalpur, Keshiary, Keshiary, Paschim Medinipur, West Bengal - 721133
4	Bishwajeet Store	Cinema Raod, Gulabbagh, Gulabbagh, Purnea, Bihar - 854326
5	Prasad Center	58/41, Mahajanpatty, Rampurhat, Birbhum, West Bengal - 731224

CHAPTER - 4

INDUSTRY SCENARIO

4.1 Paper Cup Market Analysis and Size

The trend of utilizing environmentally friendly and biodegradable products is increasing as more people worldwide become conscious of environmental issues. Nowadays, it's common to see people prefer paper cups to ones made with plastic components. Businesses such as quick-service restaurants, cafeterias, and other catering service providers are using more paper cups as a result of this customer trend. In addition, the busy lifestyle of a significant portion of the global population is driving up demand for simple products, such as paper cups.

Recent market research data analyses that the paper cup market is expected to reach USD 13.55 billion by 2030, which is USD 10.61 billion in 2022, registering a CAGR of 3.10% during the forecast period of 2023 to 2030.

4.2 Market Definition

Paper cups, which can be used to sip soup, tea, coffee, soft drinks, and other foods, are disposable. The most popular plastic resin, polyethylene, is used to cover these cups, enhancing their performance and longevity by preventing the lowered moisture from absorbing and retaining taste. Customers typically utilize paper cups to save time and effort due to their hectic lifestyles and busy schedules. These cups do not require washing and can be immediately discarded after use. The growing trend of ready-to-eat food and services around the world has also had an impact on the demand for paper cups.

4.3 Paper Cup Market Dynamics

Drivers

Increasing demand for on-the-go consumption of beverages

The global beverage business is expanding and becoming more dynamic in the global market and is projected to considerably influence the paper cup carrier market. To meet the growing demand for beverages to be consumed on-the-go in various regions, some well-known businesses are offering variety of paper cup carriers. Furthermore, the availability of ordering beverages for delivery to homes and takeout has become more popular. Similar to this, cup carriers that are both stylish and durable seem to be in high demand. Therefore, increasing demand for on-the-go consumption of beverages is anticipated to drive the market's growth rate.

Stringent government policies about the usage of plastic packaging

Stringent government rules and policies regarding the usage of plastic packaging, growing paper recycling activities and availability of leading fast food chain will increase the consumption of paper cups all around the globe. According to the U.S. Environmental Protection Agency's report, more than 292 million tons of municipal solid waste was produced in 2018. Approximately 69 million tons of total produced municipal solid waste was recycled and 25 million tons were composted. Moreover, increasing government initiatives towards reducing municipal solid waste such as banning plastic packaging in the food industry and increasing awareness about the importance of paper cups will boost the sales during the forecast period.

Opportunities

Increasing awareness regarding negative effects of plastics

Increasing awareness regarding the negative effects of plastics on the environment among consumers plays a dynamic role in buying behaviour.

Corn starch is the most commonly used alternative for plastic packaging among other. Moreover, prominent online food delivery systems are also substituting to corn starch packaging to promote an environment-friendly brand image. For instance, Shiva Food Packaging which is an Indian company, provides better quality Corn starch Clamshell Food Container, which is extensively used to serve food products on numerous occasions. This food Container is manufactured at its production facility by using corn starch raw material, which is environment-friendly in nature. The company also deliveries packaging products to all suppliers and wholesalers all around the globe in numerous sizes and shapes. It also claims to be an environment-friendly product that is 100% compostable and biodegradable. Thus, a potential opportunity for the market growth has opened up in the wake of current trends.

Restraints/ Challenges

High cost and side effects associated paper cup

Some industrialists or manufacturers add a significant amount of fluorescent whitener to the cup to make it appear whiter. The ability of these whiting compounds to change cells is harmful to the human body. Additionally, a lack of quality standards could soon impede industry expansion. These are the main market restraint that will slow the growth rate of the market.

This paper cup market report provides details of new recent developments, trade regulations, import-export analysis, production analysis, value chain optimization, market share, impact of domestic and localized market players, analyses opportunities in terms of emerging revenue pockets, changes in market regulations, strategic market growth analysis, market size, category market growth application niches and dominance, product approvals, product launches, geographic expansions, technological innovations in the market.

Recent Development

In 2021, Chobani announced the introduction of yoghurt in paper cups. Paper packaging solutions are now available for other dairy goods such as cold brew coffee, oat milk, and coffee creamers. The company promises to keep looking for alternatives to plastic packaging made of paper.

In 2021, The "Garda Embossed Insulated Cup" was introduced, according to Bender Paper Cups. The product line offers many different hot mugs. The cup's design is stunning and one-of-a-kind, and its swirl pattern allows for exceptional print quality and excellent insulation.

4.4 Paper Cup Market Trend in India:

The India paper cups market size reached 22.00 Billion Units in 2022. Looking forward, the publisher expects the market to reach 25.65 Billion Units by 2028, exhibiting a CAGR of 2.6% during 2022-2028. The thriving F&B industry, expansion of hotels, restaurants, and cafes, and increasing participation of individuals in social gatherings represent some of the key factors driving the market. Paper cups, also known as disposable cups, are made from bleached virgin paper pulp and coated with plastic and wax to prevent liquid from soaking through the paper and leaking. They are also coated with polyethylene, which aids in enhancing their durability and performance by controlling the condensed moisture from absorbing in and retaining the original flavor of the product. They are eco-friendly and biodegradable and help in saving time and effort as paper cups do not require cleaning and can be easily discarded after a single use. As a result, paper cups are widely used in India for consuming beverages like tea, coffee, soup, and soft drinks at social gatherings, celebrations, and special occasions. They are also used in hospitals, cafes, restaurants, hotels, and public buildings to prevent the spread of contagious diseases.

At present, there is a rise in tea, coffee, and soft drinks consumption on account of a considerable increase in the population. This represents one of the key factors catalyzing the demand for paper cups in India. In addition, the burgeoning food and beverage (F&B) industry, along with the escalating demand for disposable packaging in quick service restaurants (QSRs) to minimize the risk of leakage and spillage of different food products beverages, is influencing the market positively. The emerging trend of social gatherings on special occasions is also driving the need for disposable plates, cups, and other containers in the country. Furthermore, the rising prevalence of communicable diseases and hospital-acquired infections (HAIs) are increasing the sales of disposable cups in India as these cups help prevent the spread of germs. Apart from this, the growing awareness among individuals about the harmful impacts of single-use plastic cups on the environment is driving the need for disposable cups to minimize the carbon emission level and manage waste efficiently. Moreover, the Government of India (GoI) is introducing numerous policies to promote the use of paper cups and prevent environmental damage caused by plastic and foam cups. Furthermore, the shifting consumer reliance on online distribution channels to avail the facility of free home delivery, exciting discounts, and secured online payment method, is supporting the market growth.

4.5 Competitive Landscape:

Some of the major players include Leetha Group, Sri Lakshmi Polypack, Octane Ecowares Private Limited, Plus Paper Foodpac Ltd., Neeyog Packaging, Swan International, Manohar International Private Limited (MIPL), Greenware Revolution, Vecchio Industries Private Limited, Hyper Pack Private Limited, Valpack Solutions Pvt. Ltd., Ashima Paper Products, World Star Packaging Industry, and Paricott India Papercup Pvt. Ltd.

4.6 Demand-Supply Scenario of Paper Cup Industry in India:

There is a quantum jump in the consumption and growing demand pattern for paper cups. This leap makes the future of the paper cup industry look promising. Paper cups or disposable paper cups are extensively used all over the world to serve beverages such as tea, coffee, soft drinks or drinking water.

Paper cups are also replacing plastic variants mainly because they are easily decomposable.

The growing demand in the urban and semi-urban market, opening of international food chains, and the acceptability of quality and eco-friendly products has made the production and distribution of paper cups viable like never before in a country like India. The demand for paper cups in India to rise 8% annually through 2019.

The demand is widespread originating from educational institutions, IT companies, food canteens, restaurants, coffee/tea shops, quick-service restaurants (QSRs), fast-food shops, and supermarkets. Today, a paper cup is not just limited to serving tea or coffee at railways, functions, hotels, festivals or meetings. What was once used primarily for beverage serving, especially tea and coffee, is now being used to serve sweet corn, ice-cream, sweets and yogurt too. A total of 150 million cups is consumed by the Indian Railways every year.

80% of the paper cups manufactured in India are used by the service restaurant segment. The growing foodservice industry is a major factor that is thrusting the growth of this market not only in India, but also globally. Emerging fast-casual restaurants and coffee/snack shops will boost the demand for paper cups in the future.

This has led to the increase in paper cup manufacturing units being set up across the country. In January 2017, Japan's Nippon Paper Industries Co. Ltd entered the Indian market by acquiring the largest local paper cup manufacturing company, Paper Foodpac Pvt. Ltd, owned by the BK Modi Group.

The market for paper cups has been accelerated due to the growing demand from various establishments and use of paper cups as a marketing medium.

Using paper cups for marketing is a popular thing these days. The next time you pick up a paper cup from a vendor or anywhere else; make sure to take a close look at it. Many companies that offer paper cup marketing are tying up with paper cup manufacturers to provide free paper cups to large organisations, offices, colleges and institute canteens. The paper cups contain fancy graphics and the company's message printed on it. It results in a win-win situation for everyone, the paper cup receiver and the client whose message is on it.

In the past, paper cups were looked at as a commercial commodity. Today, they are looked at as a marketing medium. Since they do not have any drawbacks, they are expected to be used in increasing quantities. Increased consumption and regular demand make the future of the paper cup industry look optimistic.

Some paper cup manufacturers have even gone to the extent of saying that the demand for paper cups will be 100% in the near future due to the awareness being created and steps being initiated by the government to promote the use of paper cups. By this initiative, paper cup marketing companies that wish to use the medium for advertising are at a winning edge since they benefit from a wider reach.

The demand for paper cups in India mainly comes from tier I, tier II and tier III cities like the NCR (National Capital Region, including Gurgaon, Faridabad, Noida and Ghaziabad), Mumbai, Bengaluru, Pune, Cochin, Mangalore, Hyderabad, Madurai, Trichy and Chennai. Thus, paper cup marketing companies are also targeting these cities to advertise their client's products on paper cups.

While ads on TV and radio are almost always flipped over by the customer, advertising over paper cups is bound to make an impression on the mind of the target audience. It costs a whole lot of money to get an advertising spot on the air and the cost is dependent on the duration of time the spot consumes. This is not the case in promotional items such as paper cups. The success should be measured in a cost-effectiveness analysis, taking into consideration the actual conversion rate for new customers. Paper cups are definitely the next generation of media offering direct contact with the customer.

In India, thousands of people buy takeaway coffee and tea from cafes. The Quick-Service Restaurant (QSR) culture as well as 'get a hot beverage on the go' is on the rise. People literally go out of their way to get their daily boost of caffeine. This in turn is a positive response to the brand. In such a situation, the coffee/tea drinker builds a positive perception around the brand. According to figures, 84% paper cups are used in CBDs (Central Business Districts).

A recent survey carried out in the NCR region shows the usage of paper cups as around 2 lakh per month. The wedding and festival season adds to another 1.5 to 2 lakh cups per month.

The growth in the paper cup industry has been accelerated by the fast-food culture and the demand for hot/cold beverages. The increasing popularity and cost-effectiveness of paper cups as an advertising medium has also been catalyst in the growth of the paper cup industry.

CHAPTER - 5

COST OF THE PROJECT AND SUGGESTED MEANS OF FINANCE**5.1 Cost of the project:**

The total cost of the project for setting up the unit for manufacturing of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw has been estimated at ₹ 3784.00 lacs. Detailed break-up of the various components of cost of the project is given below:-

Cost of the Project	(₹ in lacs)
Land Cost (Free Hold)	0.00
Site Development Cost	0.00
Civil Construction	1326.00
Plant and Machinery	1801.00
Electrical Installation	130.00
Miscellaneous Fixed Assets	55.00
Contingencies	70.00
Pre-operative Expenses	198.00
	3580.00
Margin for working capital	195.00
Margin money for non-fund-based limit (BG of ₹ 35.00 lacs * 25%)	9.00
Total Cost	3784.00

- The land has been acquired on lease rental basis. So, the cost of the land has not been considered. Also, the land is well developed, so no land filling is required. Thus, land development cost also has not been considered. Details of land are as under:

Particulars	Deed No.	Area (in Decimal)	Area (in Sq m)	Area (in Sq ft)	Rate per sq. ft. (₹)	Amount (₹ in lacs)
Free Hold Land	Lease Agreement 12576/22	121	4887	52608	0.00	0.00

- Detailed break-up of the cost of civil construction and factory shed of ₹ 1326.00 lacs is given below:

Sl. No.	Particulars	Rate	Unit	Total (Rs. In Lacs)
	Ground coverage (52.4m*39.955m)		sq ft	22539.00
	Total Built-up Area		sq ft	68568.00
	No. of Pile (450 mm dia, 18.5 m length)			174
A	Civil Work			
	Pile Foundation Work	3560	per m length	114.60
	PCC and other foundation work	165	per sq ft of ground coverage	37.19
	Super Structure Work	915	per sq ft	627.40
	Brick Work	100	per sq ft	68.57
	Plaster Work	75	per sq ft	51.43
	Water Proofing Work	40	per sq ft	27.43
	Sub-Total			926.60
B	Architectural and Finishing Work			
	Door Window	65	per sq ft	44.57
	Putty and Paint	70	per sq ft	48.00
	Tiles fitting	95	per sq ft	65.14
	Shutter, fire door, asbestos and Hand rails	40	per sq ft	27.43
	Lift (2 nos)			24.00
	Sub-Total			209.13
C	Services			
	Electrical and HVAC work	78	per sq ft	53.48
	Plumbing Work	70	per sq ft	48.00
	Sub-Total			101.48
D	Other Structural Work			
	OverHead Tank, Under Ground Tank, Sewerage Treatment Plant	95	per sq ft	65.14
	Boiler foundation, DG and chimney foundation		LS	5.50
	Main Gate		LS	4.50
	Road	20	per sq ft	13.71
	Sub-Total			88.85
	Total			1326.07
	Total (Rounded Off)			1326.00

The rate considered for civil construction is found to be reasonable by SCPL compared to the rate prevailing in the market corresponding to the type of construction to be made by the company. SCPL has also verified the civil engineer's certificate regarding the estimate of civil construction. A copy of the certificate has been enclosed as **annexure – 5/1**.

- Detailed break-up of the cost for plant and machineries of ₹ 1801.00 lacs is given as **annexure – 5/2**. Details of the quantity and basic prices of the machinery is given below:

Sl No.	Name of the Machinery	Quantity	Basic price per unit
Imported			
1	Pulp Molding Machine	1	\$7,65,000.00
Indigenous			
1	Pulp Moulding Machine	1	₹ 1,80,00,000.00
2	Roll Die Cutting Machine	1	₹ 33,80,000.00
3	Flexo printing Machine	1	₹ 29,50,000.00
4	High Speed Paper Cup Machine (GLI 1100)	4	₹ 11,80,000.00
5	Paper Cup Machine (GLI 900)	4	₹ 8,80,000.00
6	Paper Cup Machine (GLI 800)	8	₹ 7,60,000.00
7	Paper Plate Machine (GLI 800)	1	₹ 8,00,000.00
8	Ripple Corrugation Machine	1	₹ 44,00,000.00
9	Folder and Gluing Machine	2	₹ 8,80,000.00
10	Paper Cup Machine (GLI 800)	9	₹ 8,60,000.00
11	Ripple Paper Cup Machine	6	₹ 8,80,000.00
12	Double Wall Paper Cup	3	₹ 9,80,000.00
13	Injection Molding Machine	3	₹ 20,00,000.00
14	Paper Straw Machine	1	₹ 31,00,000.00
15	Slitting Machine	1	₹ 7,20,000.00
16	Thermic Fluid Heater with Accessories	1	₹ 47,95,000.00

The prices of indigenous as well as imported plant and machinery have been considered on the basis of the quotation from different machinery suppliers, provided by the company.

Most of the machinery have been proposed to be purchased from the company, namely, Global Link Impex.

Regarding Global Link Impex:

Established in the year 2013, Global Link Impex is leading organization involved in manufacturing, exporting, importing and trading superior quality High Speed Paper Cup Machine, Single PE Paper Cup Machine and High Speed Paper Cutting Machine which are used in making ice cream cups, coffee cups and other kinds of disposable cups. Since the formation of the organization, the company has been affiliated with the reckoned vendors of the market, who are efficient enough to meet the bulk and urgent orders of the patrons within the specified time schedule. They provide customers the best quality products and they have maintained friendly business relations with their prestigious customers.

The company have constructed an in-house quality-control unit, wherein their offered gamut is subjected to stringent tests on predefined industry parameters. Each product is vigilantly examined by the quality inspectors before its final delivery at client's end. In addition to this, their spacious and large warehousing unit helps to keep their offered range under the safe and secure environment. This warehousing unit is spacious enough to keep the sourced basic material and finished products in an organized manner. They follow ethical business policies and maintain transparency in the dealings that has enabled them to attain the utmost satisfaction of their clients and attain a position of repute in the industry.

The company achieved great heights of success under the profound leadership of their esteemed mentor, Mr. Naman Singhal (Business Manager). His strong business acumen and insightful vision enable the company in garnering a satisfied client base.

GGPL has proposed to import one pulp molding machine from the company, namely, Zhuhai Xing Yuan Development Co., Ltd, China.

Regarding Zhuhai Xing Yuan Development Co.

Zhuhai Xing Yuan Development Co., Ltd was founded in July 1996, it is an industrial development company assembled with researching and developing, producing along with industry and trade. Bordering Hong Kong and Macao the company locates in Zhuhai SEZ China with advantages in communication and trade. The company is engaged in the imports and exports of all sorts of merchandise and technology, especially in selling glass wares, electrical appliances and textile products. It has invested in the exporting base of glass wares NANHAI XIONG FENG GLASS CO. LTD in Foshan city with its products being sold to many countries and districts in Europe and America. The company also cooperates with many other fastones in the Pearl River Delta in producing electronic products with their own technology, holding the competition power in quality and price, their products are being well sold in Japan and many districts in Southeast Asia. The company pays great attention to the development and management of customers by holding the managing idea of customers being the first. Every year the company took part in the exhibition of several famous international fair with its own products to develop world market, by the same time set up representative offices in some domestic big cities such as Shenzhen to developing the business of the company. For many years the company strategically took the road of managing by aiming mainly at exports while doing domestic trade subsidiary by researching and developing of its own products and insisting on the management of quality standard. The company has passed the approval of ISO9001 2000 of quality management system with the yearly exporting volume of the

Copies of the quotations have been collectively enclosed as **annexure – 3/4**.

- Detailed break-up of the cost of equipment for electrical installation of ₹ 130.00 lacs has been given as **annexure – 5/3**.

Copies of the quotations have been collectively enclosed as **annexure – 3/4**.

GGPL is in active and advance discussion with WBSEDCL regarding proposed electric supply at the site.

- Detailed break-up of the cost of miscellaneous fixed assets of ₹ 55.00 lacs has been given as **annexure – 5/4**.
- Contingency has been considered as 2% of the hard cost, i.e., ₹ 70.00 lacs.
- Detailed break-up for preliminary and pre-operative expenses of ₹ 198.00 lacs is given as **annexure – 5/5**.
- The company needs fund-based working capital for smooth running of its production process and to meet the day-to-day business expenses. The required margin has been taken as 25% of working capital gap. Average production value of closing stock has been considered as 75% of sale price. Estimated margin for fund based working capital has been shown as **annexure- 5/6**.

5.2 Means of finance:

The above estimated cost of the project of ₹ 3784.00 lacs has been proposed to be financed with following capital structure.

Means of Finance	(₹ in lacs)
Promoter's contribution by way of	
Partners' Capital	700.00
Unsecured Loan	684.00
Term Loan from Banks	2400.00
Total Cost	3784.00

While structuring the means of finance, long-term debt to promoters' contribution has been considered as 63% and 37% (approximately). SCPL has considered this debt-equity ratio of 1.73:1.

CHAPTER – 6

BASIC ASSUMPTIONS UNDERLYING FUTURE COST OF PRODUCTION AND PROFITABILITY

The assumptions underlying future forecast has been decided on the basis of the information collected from in-house database on similar projects, discussions with the representative of GGPL, secondary information sources and market enquiry from the equipment suppliers. The basic assumptions underlying the future cost of production and profitability for the proposed project are given below:-

6.1 It has been assumed that the company would implement the proposed project from 1st April, 2024.

6.2 The company would be manufacturing paper cup, ripple cup, double wall paper cup, pulp table ware, plastic container, paper straw considering 300 working days in a year, 2 shifts in a day and 10 hours per shift.

Installed Capacity

Products	Paper Cup	Ripple Cup	Double Wall cup	Pulp Table Ware	Plastic Container	Printing of Paper cup	Paper Straw
Average Production per day per machine (kg)	200	220	220	400	110	4000	300
No. of Machine	25	6	3	6	3	1	1
Production per Day (kg)	5000	1320	660	2400	330	4000	300
Installed Capacity per Annum (kg)	1500000	396000	198000	720000	99000	1200000	90000

Detailed capacity calculation has been shown in chapter – 3, para – 3.7.

6.3 Capacity utilization has been considered as under:

Projection Period	Capacity Utilization
2024-25	60%
2025-26	65%
2026-27	70%
2027-28	75%
2028-29	80%
2029-30	85%
2030-31	85%

Details of basic assumptions has been given as **annexure – 6/1**.

6.4 Average sale price of finished goods and purchase price of raw materials has been considered on the basis of the average price realized by the associate company, Gangotri Products Pvt. Ltd., in recent time. The details are as follows:

Products	Paper Cup	Ripple Cup	Double Wall cup	Pulp Table Ware	Plastic Container	Printing of Paper cup	Paper Straw
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Average Sale Price (₹/kg)	190.00	220.00	220.00	235.00	185.00	138.00	155.00
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Raw Material	Cupstock Paper	Cupstock and Coated Kraft Paper	Cupstock and Coated Kraft Paper	Agro Pulp	Granuels	Cupstock Paper	Straw Paper
Average Raw Material Cost per kg of finished products (₹/kg)	97.00	110.00	110.00	85.00	118.00	97.00	105.00

Copies of some sample bills have been enclosed collectively as **annexure – 6/2** as supporting documents. An inflation factor has been considered for both purchase price and selling price.

- 6.5 Detailed calculation for year-wise projection of production and sales has been shown as **annexure – 6/3**.
- 6.6 Detailed calculation of cost of raw materials has been shown as **annexure – 6/4**.
- 6.7 Detailed calculation of cost of power and fuel has been shown as **annexure – 6/5**. While calculation the power cost, load factor has been considered as 80% and power factor has been considered as 0.9. Average power tariff per unit has been considered as ₹ 8.00/- and demand charges per KVA per month is ₹ 384.00/-.
- 6.8 Detailed calculation of salary and wages has been shown as **annexure – 6/6**. Salary and wages have been escalated by 5% every year. 90% of salary and wages has been considered under variable cost and remaining 10% has been considered under fixed cost.
- 6.9 Detailed calculation of value of closing stocks has been shown as **annexure – 6/7**. Average production value of closing stock has been considered as 75% of sale price.
- 6.10 Stores and Spares cost has been considered as 10% of raw material consumed.
- 6.11 Cost of packing materials and other consumables has been considered as 2.50% of gross sales.
- 6.12 Other Manufacturing Expenses has been considered as 1.00% of gross sales.
- 6.13 Lease rent has been considered as ₹ 24.00 lacs per annum.

- 6.14 Selling and distribution expenses as well as administrative expenses have been considered on an escalated manner.
- 6.15 The depreciation schedule has been drawn as per the Companies Act, 2013 under WDV method. Detailed calculation of depreciation has been shown as annexure – 6/8.
- 6.16 The requirement of term loan for the project is proposed as ₹ 2400.00 lacs carrying an interest @ 13.00% per annum, repayable in 24 quarterly installments. Brief details of the term loan is as follows:

Term Loan Amount	2400.00	(₹ in lacs)		
Disbursement of 1st Installment	July, 2023			
No. of quarterly disbursement	3	2023-24		
Construction Period (quarter)	3	2023-24		
Moratorium Period (quarter)	4	2024-25		
Installment of quarterly repayment	22	1 st quarter of 2025-26 to 2 nd quarter of 2030-31		
Door-to-door Tenure (quarter)	29	2 nd quarter of 2023-24 to 2 nd quarter of 2030-31		
Rate of Interest per annum	13.00%			
Interest During Construction Period	165.75	(₹ in lacs)		
Disbursement and Repayment Schedule (₹ in lacs)				
Financial Year	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
2021-22				
2023-24		(800.00)	(1100.00)	(500.00)
2024-25	-	-	-	-
2025-26	75.00	75.00	75.00	75.00
2026-27	85.00	85.00	85.00	85.00
2027-28	100.00	100.00	100.00	100.00
2028-29	115.00	115.00	115.00	115.00
2029-30	120.00	120.00	120.00	120.00
2030-31	210.00	210.00		

Detailed calculation of repayment programme of Term Loan is given as annexure – 6/9.

- 6.17 Calculation of corporate tax has been shown as **annexure – 6/10**.
- 6.18 Detailed calculation of depreciation schedule as per IT Act has been shown as **annexure – 6/11**.
- 6.19 The company requires fund based working capital. Margin money for fund based working capital requirement is calculated @ 25% of working capital gap. Interest on working capital limit has been considered @ 13.00% per annum. Detailed calculation of fund based working capital requirement has been shown as **annexure – 5/6**.

CHAPTER - 7

FINANCIAL VIABILITY OF THE PROJECT

This chapter evaluates the financial viability of the proposed project of GGPL based on the basic assumptions underlying future cost of production, the capital cost estimates and financing pattern thereof. The evaluation parameter includes mainly debt service coverage ratio (DSCR), internal rate of return (IRR), break-even point (BEP) and other key financial ratios.

The financial implications of the proposed manufacturing unit have been analyzed by SCPL and are described below:-

◆ **Projected Profitability:**

Based on the assumptions and future working capital assessment, the projected profitability statement has been prepared for the coming seven operating years and the same has been shown as **annexure – 7/1**. Summarized position is given below:

For the year ending 31 st March						(₹ in lacs)	
Particulars	2025	2026	2027	2028	2029	2030	2031
Turnover (SVP)	4598.63	5079.69	5471.06	5862.43	6253.81	6645.18	6653.33
PBIT	561.74	778.28	922.09	1028.13	1144.68	1256.70	1265.11
Total Interest	383.50	364.00	322.40	274.30	218.40	157.30	85.15
Depreciation	458.60	394.61	340.56	324.58	310.36	287.92	268.71
PAT	124.22	340.64	496.69	622.83	765.28	908.40	975.96
P/V ratio	0.24	0.26	0.26	0.26	0.26	0.26	0.26
Net profit margin (%)	2.89%	6.74%	9.12%	10.67%	12.29%	13.72%	14.67%
ROI (%)	11.23%	15.43%	17.32%	18.10%	18.67%	18.69%	16.96%
ROCE (%)	14.07%	19.53%	22.10%	23.19%	23.68%	22.96%	18.89%

(PBITD – Profit before interest depreciation and tax, PAT – Profit after tax, ROI-Return on investment, ROCE- Return on capital employed)

◆ **Projected fund flow statement:**

Projected fund flow statement has been prepared on the basis of projected profitability and expected decrease/increase in assets and liabilities and the same has been shown as **annexure – 7/2**. It is observed from the cash flow statement that the generation of funds by the project would leave sufficient surplus, after meeting taxation liabilities and term loan repayment obligations to cater to capital expenditure requirements for replacement/renovation and/or expansion activities of the company in future. The liquidity position of the company is also expected to be at comfortable level.

◆ **Projected balance sheet:**

Projected balance sheet has been drawn up based on the projected fund flow statement and the same has been shown as **annexure – 7/3**. Summarized position is given below:

For the year ending 31st March

(₹ in lacs)

Particulars	2023	2024	2025	2026	2027	2028	2029	2030	2031
Net worth	100.00	700.00	824.22	1164.86	1661.55	2284.38	3049.66	3958.06	4934.02
Capital Employed	310.21	3589.00	3608.22	3608.86	3705.55	3868.38	4153.66	4642.06	5618.02
Total Outside Liabilities	210.21	2889.00	3696.72	3402.17	3067.42	2672.66	2217.91	1743.16	1323.17
Current Liabilities		0.00	912.72	958.17	1023.42	1088.66	1113.91	1059.16	639.17
Total Liabilities	310.21	3589.00	4520.94	4567.03	4728.96	4957.04	5267.57	5701.22	6257.20
Net Block	310.21	3579.00	3120.40	2725.78	2610.23	2508.65	2338.29	2190.36	2061.65
Current Assets		10.00	1350.54	1691.25	1818.74	2048.39	2479.29	2910.85	3395.54
Total Assets	310.21	3589.00	4520.94	4567.03	4728.96	4957.04	5267.57	5701.22	6257.20

◆ Important ratios:

Ratios	2023	2024	2025	2026	2027	2028	2029	2030	2031
Current ratio			1.48	1.77	1.78	1.88	2.23	2.75	5.31
Debt-Equity Ratio	0.00	3.43	2.55	1.51	0.82	0.39	0.14	0.00	0.00
Total outside liabilities to net worth ratio	2.10	4.13	4.49	2.92	1.85	1.17	0.73	0.44	0.27

◆ Debt Service Coverage Ratio (DSCR)

DSCR for the coming nine years for the project has been calculated and the same has been shown as **annexure – 7/4**. It is observed that:-

Minimum DSCR- 1.73

Average DSCR- 2.13

Maximum DSCR- 2.90

◆ Internal Rate of Return (IRR)

IRR for the subject project has been shown as **annexure – 7/5**

◆ Break-even Analysis

The projected break-even turnover (in value terms) and break-even point (in percentage terms) has been shown as **annexure – 7/6**.

◆ Pay-back Period

The projected pay-back period have been calculated and shown as **annexure - 7/7**.

◆ **Sensitivity Analysis**

Based on the above mentioned workings, a sensitivity analysis (SA) has been made to see the effect of adverse scenario on the financial viability of the project. SA has been made different situations as mentioned below. While doing so, it has been assumed that all the other factors will remain same throughout the period.

Summary of the sensitivity analyses are given as follows:-

Situations	Results with sensitivity analysis
Normal DSCR	Average DSCR- 2.13
With 5% decrease in revenue generation	Average DSCR will fall to 1.70
With 10% decrease in revenue generation	Average DSCR will fall to 1.28
With 5% increase in variable cost	Average DSCR will fall to 1.76
With 10% increase in variable cost	Average DSCR will fall to 1.39
With 5% decrease in capacity utilization	Average DSCR will fall to 1.96
With 10% decrease in capacity utilization	Average DSCR will fall to 1.78
With 14% interest rate on Term Loan	Average DSCR will fall to 2.08
With 15% interest rate on Term Loan	Average DSCR will fall to 2.03

From the above table, SCPL is of the opinion that the project is more sensitive to decrease in sale price than change in variable cost, capacity utilisation and interest rate.

CHAPTER – 8

RISK FACTORS AND STEPS NEEDED TO MITIGATE THOSE RISK FACTORS

Risks	Steps proposed to be taken
<i>Project management risk</i>	Company is optimistic towards risks associated with its business. The risks and mitigation measures are weaved into the strategic business plans and forms part of reviews made periodically. The company should adopt proper risk management policy and form a risk management committee to deal and mitigate any risk that might arise while implementing the proposed project and in due course of commercial operation.
<i>Funding risk</i>	Cost of the project to be funded by combination of promoters' contribution in the form of partners' capital and/or interest free subordinated unsecured loan and long-term debt from the bank. Given the strength of the promoters of the company as well as the financial positions of the associate companies, there should not be any problem in bringing in their contribution upfront.
<i>Cost overrun risk</i>	The cost has been estimated based on the prevailing rates. In case of cost overrun beyond the estimated project cost, the promoters would have to absorb the cost overrun. An undertaking to this effect must be given by the promoters to the bank before availing of loan.
<i>Time overrun risks:</i>	SCPL has estimated that the company would commence its production from April, 2024. However, the company must take initiative to complete all the construction activities so as to adhere to the projected implementation schedule as shown in this report.
<i>Revenue risk</i>	SCPL has estimated the revenue on the basis of prevailing market rate of raw materials and selling price. Thus, there seems to have no difficulty in achieving the projected turnover and profitability.

<i>Repayment risk</i>	The average DSCR is 2.13 over the proposed repayment period. This shows that the company would generate adequate cash to repay the term loan – both principal as well as interest as per scheduled repayment programme. Therefore, the lending banks are not expected to face any risk in getting back their loan along with interest.
<i>Production risk</i>	As the company would be following standard production procedure, the production as projected in this report is achievable. The company must take necessary steps to ensure uninterrupted supply of raw material to avoid the production loss.
<i>Market risk</i>	The company proposes to sell the finished products to different buyers as mentioned earlier. Besides, the associated company already has a steady suppliers' chain and customer group. The company needs to maintain good relations with suppliers of raw materials and buyers to minimize the risk.

CHAPTER – 9

CONCLUSION

Our comments on the proposed project of **M/s. Gangotri Green Products LLP (GGPL)** for setting up a manufacturing unit of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw at Mouza- Khalisani, P.S.- Uluberia, District- Howrah, Pin – 711 307 are as under:

- The trend of utilizing environmentally friendly and biodegradable products is increasing as more people worldwide become conscious of environmental issues. Nowadays, it's common to see people prefer paper cups to ones made with plastic components.
- The promoters are engaged in same line of business with the associated company. Therefore, GGPL would not face any difficulties for handling the day-to-day activities of the company.
- The company would not face any problem in procuring the basic raw materials as it is easily available in local market. Kolkata is the hub of raw materials for manufacturing of such products. However, the associate concern, M/s. Gangotri Products Pvt. Ltd. is in the same line of business and has steady supply chain of raw materials. GGPL will also procure raw materials from their existing suppliers.
- The plant and machinery and other facilities proposed to be installed are of standard nature and technologically enhanced for better productivity and more efficiency in this industry and the specification of the manufacturing equipments are well balanced for the envisaged overall installed capacity.
- The cost of the project, as has been estimated by SCPL, is as per the benchmark for a green field project with similar capacity.
- The projected implementation period as has been estimated by SCPL is considered to be reasonable. SCPL has estimated that the company would

commence its commercial production from April, 2024 subject to force majeure situations and pace of activities.

- GGPL should take tangible action to procure the required statutory clearances and it is imperative that the banker should look into the statutory requirements very carefully and make sure that the company should comply with the same.
- Projected profitability indicates that the future operation of the company may generate adequate cash to repay the loan installment as proposed and service the interest due to the bank with average DSCR of 2.13.
- Other important financial and technical indicators of the proposed project are satisfactory.
- Sensitivity analysis indicates that the project is more sensitive to decrease in sale price than change in variable cost, capacity utilisation and interest rate.
- Based on the above observations, the proposed project of GGPL has been found to be technically feasible and financially viable provided all risk management factors are taken care of.
- Notwithstanding the scope of the assignment, it is expected that the bank would take usual safeguards viz. appointment of concurrent auditors, appointment of lender's independent engineer to oversee the progress of implementation of the project as is usually followed as a part of risk management process in respect of financing in order to minimize/mitigate the risk factors.

Dated: 24th August, 2023
Kolkata.

For Sayantan Consultants Pvt. Ltd.

Prepared by

(Dr. Dilip Kumar Datta)
Director & Chief Executive Officer

(Mr. Soham Satya Kuity)
Sr. Manager (Project Appraisal)



A copy of the LLP Incorporation Certificate

Annexure – 1/1



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre

Form 16

[Refer Rule 11(3) of the Limited Liability Partnership Rules, 2009]
CERTIFICATION OF INCORPORATION

LLP Identification Number: **ABA-6408**

It is hereby certified that GANGOTRI GREEN PRODUCTS LLP is incorporated pursuant to section 12(1) of the Limited Liability Partnership Act, 2008.

Given under my hand at Manesar this Fourteenth day of February Two thousand twenty-two.



Susmithaa Selvaraj

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the LLP on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the LLP can be verified on www.mca.gov.in

Mailing Address as per record available in Registrar Office:

GANGOTRI GREEN PRODUCTS LLP**3B, RAMMOHAN MULLICK GARDEN LANE, MANIKARAN, 7TH FLOOR, FLAT –
7SA,, KOLKATA, Kolkata, West Bengal, 700010, India**

Copies of the Limited Liability Partnership agreement as well as the latest supplementary deed

Annexure – 1/2



পশ্চিমবঙ্গ পশ্চিম বঙ্গাল WEST BENGAL

AL 059616

LLP AGREEMENT OF

GANGOTRI GREEN PRODUCTS LLP

(As per Section 23(4) of LLP Act, 2008)

THIS Agreement of LLP made at KOLKATA this 15th day of February, 2022.

BETWEEN

Aayush Kumar Saraf, Son of Anil Kumar Saraf, residing at Manikaran Flat no. 75A, 3B Ram Mohan Mullick Garden Lane, Kolkata – 700010 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal heirs, successors, nominees and permitted assignees and hereinafter called as the **FIRST PARTNER.**

AND

Anushka Saraf, Daughter of Anil Kumar Saraf, residing at Manikaran Flat no. 75A, 3B Ram Mohan Mullick Garden Lane, Kolkata – 700010 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal

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NOTARY
Reg. No. 13771/18
C.M.M.'s Court
Kolkata-700 001

15 FEB 2022

Aayush Kumar Saraf

Anushka Saraf

Sachhi Jain



पश्चिम बंगाल WEST BENGAL

heirs, successors, nominees and permitted assignees and hereinafter called as the **SECOND PARTNER**.

AND

Sakchi Trivedi, Daughter of Om Prakash Trivedi, residing at 8, Cossipore Road, Near Chitpur Police Station, Kolkata - 700002 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal heirs, successors, nominees and permitted assignees and hereinafter called as the **THIRD PARTNER**.

The **FIRST PARTNER**, **SECOND PARTNER** and **THIRD PARTNER** shall be collectively referred to as Partners and individually referred to as Partner.

"Partner" means any person that becomes a partner and includes "Designated Partner" or vice versa.

WHEREAS:

The parties herein have incorporated a Limited Liability Partnership in the name and style of **M/s. GANGOTRI GREEN PRODUCTS LLP** vide Registration No. - **ABA-6408** dated **14th February, 2022**.

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C.M.J.'s Court
Kolkata-700-001

15 FEB 2022

Angshu

Amishu
Seraf

Sakchi
Trivedi

IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HEREIN AS FOLLOWS:

1. Definitions: In this Agreement, the following words and expressions shall, unless the context requires otherwise, have the meaning hereinafter respectively assigned to them:

- (a) **"Accounting year"** means the financial year as defined in Section 2(1) of the Limited Liability Partnership Act, 2008.
- (b) **"Act" or "LLP Act"** means the Limited Liability Partnership Act, 2008 or any amendment thereto.
- (c) **"Business"** includes every trade, professional service and occupation.
- (d) **"Change"** means a change in the constitution of the body of Particulars or Designated Partners other than their admission afresh.
- (e) **"Designated Partner"** means any partner designated as such pursuant to Section 7 of the Act.
- (f) **"LLP"** means the limited liability partnership formed pursuant to this LLP Agreement.
- (g) **"LLP Agreement"** means this Agreement or any supplement thereof determining the mutual right, duties and obligations of the partner in relation to each other and in relation to LLP.
- (h) **"Partner"** means any person who becomes a partner in the LLP in accordance with this LLP Agreement.
- (i) **"Nominee"** means any person appointed as nominee by the Bodies Corporate as Designated Partner by passing resolution in their Board Meeting.

2. Name: Limited Liability Partnership shall be carried on in the name and style of **M/s. GANGOTRI GREEN PRODUCTS LLP.**

3. Address of Office: The partnership shall be carried on at the under mentioned address, which shall also be its registered office at **"3B, RAMMOHAN MULLICK GARDEN LANE, MANIKARAN, 7TH FLOOR, FLAT - 7SA, KOLKATA - 700010, WEST BENGAL.** The business shall also be carried from such other places as may be decided with the consent of Partners from time to time.



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Kolkata-700 001

15 FEB 2022

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Anuska
Sarda

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Anuska
Sarda

✓ Sakshi
Srivastava

4. Business: The main business activity of Limited Liability Partnership is as under-

1. To carry on business in India and elsewhere as manufacturers and dealers in and importers and exporters of all kinds of Packaging & Disposable items like Aluminium Container, Paper Cup, Plastic food container, Paper Plates and other similar & eco-friendly Items wholly or partly made of Papers, Aluminium, plastic, or otherwise of every kind and description
2. To establish a factory or factories and work-shops with suitable machines, plants, engines, tools, instruments for manufacturing packaging & Disposable items and to adopt all processes of manufacture such as cutting, treating, moulding, pasting, binding, shaping, fabricating, or other mechanical, electrical or manual operations for making packaging & Disposable items.
3. To take on hire, rent or acquire, purchase any plant, engines, machinery, tools required in the manufacture of Packaging & Disposable items from any person or body or association.

4.1 Incidental or ancillary powers:

Following powers shall be incidental or ancillary to the attainment of main business of the LLP as indicated in Incorporation Document. LLP can exercise those powers as and when required.

- a) Obtaining rights, privileges, contracts, licenses, intellectual property rights, authorizations, permissions from Government or any authority, company or person (if required) to carry out the business of LLP.
- b) Takeover any running firm, concern, LLP or body corporate carrying on similar business at a price mutually agreeable or to amalgamate or merge with any other LLP or company or body corporate having objects similar or compatible to those of the LLP or to demerge its business.
- c) Become partner of another LLP or member of any company.
- d) Enter into arrangement for sharing profits, union of interest, co-operation, joint-venture with any person, LLP or company or body corporate.
- e) Appoint, deal with or act as agents, sub-agents, for dealing with the products or services related to the business of LLP.
- f) Acquire or dispose of movable or immovable property, enter into agreement for purchase, sale or disposal of movable or immovable property.

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Kolkata-700 001

15 FEB 2022

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Anushka

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Anushka
Sana

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Sakshi
Srivastava

- g) Open, operate and close Bank Accounts, give and obtain guarantees to borrow from Banks, Financial Institutions or any other person on providing security or without security, use surplus funds of LLP in appropriate avenues.
- h) Appoint, promote, remove or suspend employees and workmen, to take disciplinary actions and impose punishments on workman and employees, to represent before Labour courts, Industrial Tribunals, High Court and Supreme Court in labour Matter.
- i) Institute or defend any suit or show cause notice before any adjudication authority, appellate authority, Tribunal or Courts, to appoint consultants, advocates and authorised representatives for representing LLP.
- j) Grant general or special power of attorney to any Partner/ Authorized personnel for purpose of business of LLP.
- k) To do all such act and things as may be necessary to furtherance the business of the LLP.

5. Initial Partners: The parties herein shall be the initial partners.

6. Duration: The partnership shall commence from the date of registration of the "GANGOTRI GREEN PRODUCTS LLP" and shall continue to operate in accordance with the provision of LLP Act and rules framed thereunder and as per this Agreement. LLP can be dissolved at any time with the consent of minimum two partners.

7. Partners' Contribution: The contribution of the "GANGOTRI GREEN PRODUCTS LLP" shall be Rs.1,00,000/- (Rupees One Lac Only) which shall be contributed by the partners in the following proportions:

Name of the Partner	Percentage of Contribution (%)	Amount of Contribution (in Rs)
AAYUSH KUMAR SARAF	60	60000
ANUSHKA SARAF	5	5000
SAKCHHI TRIVEDI	35	35000
TOTAL	100	100000

Aayush Saraf

Anushka Saraf

Sakchhi Trivedi

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15 FEB 2012

The capital contribution may be brought in by the Partner(s) as cash/ money's worth of any property, rights or services in equal or other proportion as mutually agreed unanimously by the Partners.

The capital may be increased or reduced at any time and from time to time in the same way.

- 8. Number of Designated Partners:** The maximum number of designated partner appointed for "GANGOTRI GREEN PRODUCTS LLP" shall be 2 (two) at the time of its incorporation or as decided by the consent of all the partners in "GANGOTRI GREEN PRODUCTS" from time to time.

The details of current designated partners are as under:

S. No.	Name of the Partner	DPIN
1.	AAYUSH KUMAR SARAF	08016285
2.	ANUSHKA SARAF	09505740

- 9. Common Seal:** "GANGOTRI GREEN PRODUCTS LLP" shall have a Common Seal to be a fixed on documents or contracts with the approval of and in the presence of both the designated partners on each occasion and the fact shall be recorded chronologically in the Seal Book maintained for the purpose under their signature.

10. Books and Accounts and Audit:

- The accounting year of "GANGOTRI GREEN PRODUCTS LLP" shall be from 1st April of the year to 31st March of subsequent year. The first accounting year shall be from the date of commencement of this Limited Liability Partnership till 31st March of the subsequent year.
- "GANGOTRI GREEN PRODUCTS LLP" shall prepare and file a statement of solvency and accounts within 30 days from the end of six months of the financial year to which it relates and annual return within a period of sixty days of closure of the each financial year with Registrar of Companies, KOLKATA. It shall be the responsibility of the designated partners of the LLP to comply with same.

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Regn. No. 13771/18
C.M.M.'s Court
Kolkata-700 001

15 FEB 2022

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Aayush Saraf

Anushka Saraf

*Sakshi
Ghivdi*

- c) If required by the Limited Liability Partnership Act / Rules, the Statement of Account and Solvency shall be audited by a Chartered Accountant appointed in terms of this agreement and applicable provision of the Limited Liability Partnership Act.
- d) Upon reaching the prescribed threshold limit of contribution or turnover for appointment of auditor as prescribed in the Limited Liability Partnership Act / rules / Income Tax Act and any other Act time being in force, the partners shall through a resolution passed in meeting appoint the statutory auditor.

Further, in case of casual vacancy arising thereof, the designated partner may appoint the statutory auditor. The auditor so appointed shall hold office in accordance with the terms of his appointment and shall continue to hold such office till the period.

- 11. Remuneration of Partners:** The Partner shall be entitled to such monthly salary as may be decided by the Partners at that time.

Further, in case the above salary exceeds the limits provided under Section 40(b) of the Income Tax Act, 1961 ("IT Act") for allowable deduction from the LLP's Income from taxation purposes, the salary payable to the Partners shall be reduced to such extent that it does not exceed the allowable limit under the IT Act.

- 12. Drawings:** The Partner may, from time to time, draw from the partnership funds, upon the credit balance of the relevant Partners' Capital Account, and any share of profit earned by the concerned Partner in the immediately preceding financial year.

- 13. Interest on Capital or Loan:** The Partners shall be entitled to such interest payment on their capital contribution or loan as may be decided by the Partners subject to applicable laws.

- 14. Business transaction of partner with LLP:** A partner may lend money to and transact other business with the LLP, and in that behalf the Partner shall have the same rights and obligations with respect to the loans or other business transactions as a person who is not a Partner. This should be with the consent with all the partners.

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NOTARY
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CPM's Court
Kolkata-700 001

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Ishwari

15. **Profit/Loss Sharing Ratio:** The Partners of the LLP are entitled to share profit and losses including loss of capital, if any, in proportion mentioned herein below or any other proportion as mutually decided by the Partners from time to time.

Name of the Partner	Percentage of Share of Profit / Loss
AAYUSH KUMAR SARAF	60%
ANUSHKA SARAF	5%
SAKCHHI TRIVEDI	35%
TOTAL	100%

16. **Bankers:** The Bankers of the partnership and operations of the Banking Account shall be as may be decided with the consent of all the partners of "GANGOTRI GREEN PRODUCTS LLP".
17. **Accounting Year:** The accounting year of the LLP shall be from 1st April of the year to 31st March of subsequent year. The first accounting year shall be from the date of registration of "GANGOTRI GREEN PRODUCTS LLP" till 31st March of the subsequent year.
18. **Place of keeping Books of Account:** The Books of Accounts of the "GANGOTRI GREEN PRODUCTS LLP" shall be kept at the Registered Office of the "GANGOTRI GREEN PRODUCTS LLP" and other business place of the "GANGOTRI GREEN PRODUCTS LLP" for the reference of all the partners.
19. **Admission of New Partner:**
- The Incoming Partners shall, immediately, and without any further act or deed, be deemed to have become Partners of the LLP. The Outgoing Partners shall be deemed to have retired from the Effective Date. After the Effective Date, any new person, who has given consent in writing to act as a partner of the LLP, shall be admitted as a Partner only with the consent of all the Partners, existing at the time of the re-constitution of the LLP.
 - The contribution of the partner may be tangible, moveable or immoveable property. The amount of contribution to be made by the incoming partner shall be as such that the revised capital ratio remains same for the existing partners.

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Anushka Saraf

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Trivedi

- c. Person whose business interests are in conflict to that of the "GANGOTRI GREEN PRODUCTS LLP" shall not be admitted as the Partner and any Partner who acquire such confliction interest after admission as a Partner shall cease to be a Partner and be liable to be expelled as a Partner by the unanimous decision of all the remaining Partners.
- d. The profit sharing ratio of the incoming partner will be mutually decided and will depend upon the contribution towards total capital on admission of new partner. The new LLP agreement shall be formed and submitted to ROC within 30 days of such introduction of the new partner.

20. Rights of Partner:

- a. All the partners hereto shall have the right, title and interest in all the assets and properties in the "GANGOTRI GREEN PRODUCTS LLP" in the proportion of their profit sharing ratio.
- b. Every partner has a right to have access to and to inspect the books of accounts of the "GANGOTRI GREEN PRODUCTS LLP".
- c. The partners of the LLP shall not carry out a business in competition to the business already being carried out by the LLP.
- d. If a Partner retires, resigns, or otherwise becomes incompetent to contract or continue as a Partner, shall be liable to get their actual contribution after adjusting the proportionate accumulated profit/loss (if any) and liabilities as on that date of the LLP to the extent of his share only.
- e. Upon the death of any Partners, any one of his or her legal heirs will be admitted as a Partner of the LLP in place of such deceased partner and shall be entitled to all the rights and powers of the deceased Partner. If in case the legal heir of the deceased Partner opts not to be a Partner, then he or she shall be liable to get their actual contribution of the deceased partner after adjusting the proportionate accumulated profit/loss (if any) and liabilities as on that date of the LLP to the extent of deceased partner share only.

ANGORA DAS
SECRETARY
Reg. No. 1377118
C.M.P. Court
Kohata-700 001

15 FEB 2022

Angora Das

Anurag Saral

Sachhi Javedi

21. Borrowing and Lending Powers:

- i. The Partners may from time to time, borrow any sum or sums of money or make any arrangement for finance for the purpose of the business of the LLP, and may secure the payment of such sum or sums or the financial arrangement in such manner and upon such terms and conditions, as the Partners think fit. The Partners may create any mortgage, charge or other security, or such other documentation as may be required, on the undertaking or the whole or any part of the property of the LLP, both present and future.
- ii. The Partners may, subject to applicable laws, from time to time, lend any sum or sums of money from the business of the LLP not immediately required either with or without interest or security including in current or deposit account with any bank or banks, other person or persons upon such terms, conditions and manner as may from time to time be determined and thought proper, to such persons, companies, corporations or firms and on such terms as may seem expedient and in particular to customers and others having dealings with the LLP and to release or discharge any debt or obligation owing to the LLP or to hold, sell or otherwise deal with such investments.

22. Investment Powers:

All money carried to the reserves shall nevertheless remain and be the profit of the business of the LLP, subject to due provisions being made for actual loss or depreciation, and such moneys and all other moneys of the LLP not immediately required for the purposes of the business of the LLP may subject to the provisions of the LLP Act and other relevant provisions under Applicable laws, be invested by the LLP in or upon such investments or securities as it may select or may be used as working capital or be kept at any Bank as deposit or otherwise as the Partners may from time to time think proper. All the investments made shall be held in the LLP's own name.

23. Duties of Partners:

- a. Each partner shall be just and faithful to the other partners in all transactions relating to the "GANGOTRI GREEN PRODUCTS LLP".

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Das

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- b. Each partner shall render true accounts and full information of all things affecting the limited liability partnership to any partner or his/her legal representatives.
- c. Every partner shall account to the limited liability partnership for any benefit derived by him / her without the consent of the "GANGOTRI GREEN PRODUCTS LLP" of any transaction concerning the limited liability partnership.
- d. Every partner shall indemnify the limited liability partnership and the other existing partners for any loss caused to it by his/her fraud in the conduct of the business of the limited partnership.
- e. In case of any of the partners in the "GANGOTRI GREEN PRODUCTS LLP" desires to transfer or assign his or her interest or share in the "GANGOTRI GREEN PRODUCTS LLP", the existing partners shall have the first right to acquire the same from the transferring partner. In case he or she transfers the same to any third party, the same will be acceptable only after the consent of all the other partners.
- f. No partner while he or she is a partner for the time being of the "GANGOTRI GREEN PRODUCTS LLP" shall without the written consent of all the partners in "GANGOTRI GREEN PRODUCTS LLP" shall :
- Commit to buy any immovable property for the "GANGOTRI GREEN PRODUCTS LLP".
 - Submit a dispute on behalf of "GANGOTRI GREEN PRODUCTS LLP" relating to its business to arbitration.
 - Transfer, assign, mortgage or charge his or her share in the partnership or any asset or property thereof or make any other person a partner therein.
 - Withdraw a suit filed on behalf of "GANGOTRI GREEN PRODUCTS LLP".
 - Admit liability in a suit or proceedings against "GANGOTRI GREEN PRODUCTS LLP".
 - Share business secrets of the "GANGOTRI GREEN PRODUCTS LLP" with outsiders.

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- vii. Remit in whole or part debt due to "GANGOTRI GREEN PRODUCTS LLP".
 - viii. Give any unauthorized security or promise for the payment of money on account on behalf of the "GANGOTRI GREEN PRODUCTS LLP" except in the ordinary course of business.
 - ix. Draw or accept or endorse unauthorized any bill of exchange or promissory note on "GANGOTRI GREEN PRODUCTS LLP's" account.
 - x. Lease, sell, pledge or do other disposition of any of the "GANGOTRI GREEN PRODUCTS LLP's" property otherwise than in the ordinary course of business.
 - xi. Do any act or omission rendering the "GANGOTRI GREEN PRODUCTS LLP" liable to be wound up by the Tribunal.
 - xii. Derive any profits from any transactions of the "GANGOTRI GREEN PRODUCTS LLP" or from the use of its name, resources or assets or business connection by carrying on a business of the nature as competes with that of the "GANGOTRI GREEN PRODUCTS LLP".
 - xiii. Do any act that may conflict his/her interest with the interest of "GANGOTRI GREEN PRODUCTS LLP" or any of its other partners.
 - xiv. Lend any money or deliver upon credit any of the goods of "GANGOTRI GREEN PRODUCTS LLP" to any person whom the other partner shall have previously in writing forbidden to trust.
 - xv. Enter into any partnership, joint venture; float any subsidiary LLP or Company with LLP being the promoter or acquirer of interest or control.

24. Duties/Liabilities of Designated Partners:

- a. The designated partners shall devote their whole time and attention to the "GANGOTRI GREEN PRODUCTS LLP" business diligently and faithfully by employing themselves in it, and carry on the business for the greatest advantage of the partnership.

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- b. The designated partners shall be responsible for the doing of all acts, matters and things as are required to be done by the "GANGOTRI GREEN PRODUCTS LLP" in respect of compliance of the provisions of this Act including filing of any document, return, statement and the like report pursuant to the provisions of Limited Liability Partnership Act, 2008.
- c. Protect the property and assets of the "GANGOTRI GREEN PRODUCTS LLP".
- d. Upon every reasonable request, inform the other partners of all letters, writings and other things which shall come to their hands or knowledge concerning the business of the "GANGOTRI GREEN PRODUCTS LLP".
- e. Punctually pay to other partners towards charges or costs incurred to protect the assets of the "GANGOTRI GREEN PRODUCTS LLP" without any failure.
- f. The designated partners shall be responsible for doing of all such other acts arising out of this agreement.
25. The limited liability partnership "GANGOTRI GREEN PRODUCTS LLP" shall indemnify each partner in respect of payments made and personal liabilities incurred by him/her:
- In the ordinary and proper conduct of the business of the "GANGOTRI GREEN PRODUCTS LLP".
 - In or about anything necessarily done for the preservation of the business or property of the "GANGOTRI GREEN PRODUCTS LLP".
26. **Cessation of Existing Partners:**
- Partner may cease to be partner of the "GANGOTRI GREEN PRODUCTS LLP" by giving a notice in writing of not less than 30 days to the other partners of his/her intention to resign as partner.
 - Partners jointly (except those found guilty of any act) can expel any one or more partner in the situation where the partner has been found guilty of carrying of activity / business of "GANGOTRI GREEN PRODUCTS LLP" with fraudulent purpose in a meeting of partners with consent of majority of partners present with immediate effect.
 - Irrespective of the reason of exit, an outgoing partner or designated partner whose dues have been settled and paid off by the "GANGOTRI GREEN PRODUCTS



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15 FEB, 2022

[Signature]

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 (signed)

LLP" in terms of clause 22(d) of the said LLP Agreement, shall during the period of not less than 2 (two) years from the date of his/her exit as partner, carry on or engage in or be interested directly or indirectly in any business similar to or in competition or in conflict of interest with the "GANGOTRI GREEN PRODUCTS LLP's" business anywhere in India.



27. Settlement of Balances:

The Partners, shall be collectively responsible and liable for all the debts and liabilities of the LLP, whether appearing as per the balance sheet of the LLP, or otherwise. It is agreed that at any time in future, when the Partners as specified herein retire, resign or otherwise vacate their position as Partners, the Incoming Partners shall be personally liable for all the liabilities, debts or outgoings of the LLP, and they do hereby agree and undertake to repay the same to the persons entitled to receive the same. The Incoming Partners shall be liable to have their share in the capital of the LLP, or any profits of the LLP, forfeited or held in abeyance (if any).

28. Meeting:

- a. The meeting of designated partners / partners may be called by giving not less than 7 (seven) days' notice prior notice to all the partners at their residential address or in case of urgent meeting the same can be called by telephonic conversation but the notice requirement is to be ratified by all the partners.
- b. The matter discussed in the "GANGOTRI GREEN PRODUCTS LLP" meeting shall be decided by a resolution passed by minimum two partners in "GANGOTRI GREEN PRODUCTS LLP" and for this purpose, each designated partner shall have one vote.
- c. The meeting of partners shall ordinarily be held at the registered office of the "GANGOTRI GREEN PRODUCTS LLP" or at any place as per the convenience of the partners.
- d. Quorum – For the purpose of meeting of partners, minimum two partners shall form quorum.

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- e. Every Limited Liability Partnership shall ensure that decisions taken by it are recorded in the minutes book within 30 (Thirty) days of taking such decisions and are kept and maintained at the registered office of the LLP.
- f. With the consent of all the partners, a meeting of the partner may be conducted through Tele-conferencing as well as through Video-conferencing.

29. Extent of Liability of M/s. "GANGOTRI GREEN PRODUCTS LLP":

M/s. GANGOTRI GREEN PRODUCTS LLP is not bound by anything done by a partner in dealing with a person if:

- The partner in fact has no authority to act for M/S. GANGOTRI GREEN PRODUCTS LLP in doing a particular act; and
- The person knows that he/she has no authority or does not know or believe him to be a partner of M/s. GANGOTRI GREEN PRODUCTS LLP.

30. Withdrawal:

Any withdrawal from the Capital account, Current account and / or Share of profits by the Incoming and Outgoing Partners can only be made with the permission of all the Partners and as per the terms and conditions of the agreement only.

31. Sale and Purchase of Securities:

The Designated Partners shall be entitled to execute decision of sale and / or purchase of any security.

32. Termination and Dissolution: Partners may require the LLP to be dissolved and wound up in a meeting of partners with consent of all the partners of the LLP.

In the event of voluntary winding up, the designated partners can distribute any of the property of the LLP in specie or in kind among the Partners, subject to the provision of the applicable act.

33. Severability: This Agreement constitutes the entire understanding/agreement between the parties taking precedence over and superseding any prior or contemporaneous oral or written understanding. Unless otherwise provided herein, this Agreement cannot be modified, amended, rescinded or waived, in whole or part except by a written instrument signed by all the parties to this

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Kolkata-700 001

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Agreement. The invalidity or unenforceability of any terms or provisions of this Agreement shall not affect the validity or enforceability of the remaining terms and provisions of this Agreement, which shall remain in full force and effect.

34. **First Schedule:** The provisions of the First Schedule of the LLP Act shall apply to "GANGOTRI GREEN PRODUCTS LLP" except to the extent modified by this Agreement.
35. **Arbitration:** In the event of any dispute or differences arising between the parties hereto either touching or concerning the construction, meaning or effect of this Agreement or the respective rights and liabilities of the parties hereto, their enforcement there under, it shall be first amicably settled through discussions between the parties and if not resolved otherwise, then referred for arbitration to a sole Arbitrator if agreed upon, failing which to the Sole Arbitrator as appointed by the Court in accordance with the provisions of the Arbitration and Conciliation, Act, 1996. The arbitration proceedings shall be conducted at Kolkata in English language.
36. **Intimation to Registrar:** The induction of the Incoming Partners along-with cessation of the Outgoing Partners shall be notified to the Registrar of LLPs and the said Partners agree to sign all necessary documents, papers, deeds and documents as may be required for this purpose, including any bank authorisations, or any other similar formalities to give effect to the change in constitution of partners of the LLP, required at any time.

Miscellaneous:

37. The "GANGOTRI GREEN PRODUCTS LLP" may in addition to the registered office declare any other address for the service of documents. Such other address may be declared by the consent of all the partners.
38. The "GANGOTRI GREEN PRODUCTS LLP" may change the registered office with the consent of all existing partners. In case the registered office of "GANGOTRI GREEN PRODUCTS LLP" is changed from one state to another, the consent of secured creditors should also be taken before shifting of such offices.

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39. The "GANGOTRI GREEN PRODUCTS LLP" may, if all the partners deem fit and gives their consent in writing, change the name of the LLP. The consent of all the partners must be taken in meeting.
40. The auditor of Limited Liability Partnership shall be removed from office with the written consent of all the partners only.

IN WITNESS WHEREOF the partners have put their respective hands the day and year first hereinabove written

<p>Signed and delivered by the</p> <p></p> <p>AAYUSH KUMAR SARAF (Designated Partner) DPIN: 08016285</p>	<p>Witnesses:-</p> <p>Name:- <i>Debolina Das</i></p> <p>Address:- <i>Nankar, Kolkata - 49</i></p> <p>Signature: <i>[Signature]</i></p>
<p>Signed and delivered by the</p> <p></p> <p>ANUSHKA SARAF (Designated Partner) DPIN: 09505740</p>	<p>Witnesses:-</p> <p>Name:- <i>Emily Mukherjee</i></p> <p>Address:- <i>Howrah, 711002</i></p> <p>Signature: <i>Emily Mukherjee</i></p>
<p>Signed and delivered by the</p> <p></p> <p>SAKSHI TRIVEDI (Partner)</p>	<p>Witnesses:- <i>Shrabani Podden</i></p> <p>Name:-</p> <p>Address:- <i>Pottery Road, Kolkata-75</i></p> <p>Signature: <i>[Signature]</i></p>

Identified by me:
[Signature]
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PADMA DAS
NOTARY
Reg. No. 1377118
C.M.M.'s Court
Kolkata-700 001

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15 FEB 2022

ATTESTED SIGNATURE ONLY
BEFORE ME ON IDENTIFICATION

[Signature]

PADMA DAS
NOTARY



**SUPPLEMENTARY LLP AGREEMENT OF
GANGOTRI GREEN PRODUCTS LLP**

THIS SUPPLEMENTARY AGREEMENT OF LIMITED LIABILITY PARTNERSHIP ("Supplementary LLP Agreement") is made at Howrah on this 04th Day of August, 2023:

KAMAL KUMAR PAUL
NOTARY GOVT OF INDIA
Regd. No. 2700/04
C.M.M.'s Court
2 & 3 Bankshall Street
Kolkata-700001

BY AND BETWEEN

*Sa Reehi
Tiwari*

Anushree Paul

August 2023

08 AUG 2023

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A. No. Date
Sold for
of
Rupees 60
5 JUL 2023
Debabrata Chandra
Advocate
High Court, Calcutta
WB/614/2002
Santiraj Das
Stamp Vendor
Alipore Police Court
South 24 Pys., Koi-27

- (1) **Aayush Kumar Saraf**, Son of Anil Kumar Saraf, residing at Manikaran Flat no. 7SA, 3B Ram Mohan Mullick Garden Lane, Kolkata - 700010 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal heirs, successors, nominees and permitted assignees and hereinafter called as the **FIRST PART**.
- (2) **Anushka Saraf**, Daughter of Anil Kumar Saraf, residing at Manikaran Flat no. 7SA, 3B Ram Mohan Mullick Garden Lane, Kolkata - 700010 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal heirs, successors, nominees and permitted assignees and hereinafter called as the **SECOND PART**.
- (3) **Sakchhi Trivedi**, Daughter of Om Prakash Trivedi, residing at 8, Cossipore Road, Near Chitpur Police Station, Kolkata - 700002 (W.B.), which expression shall, unless it be repugnant to the subject or context thereof shall include their legal heirs, successors, nominees and permitted assignees and hereinafter called as the **THIRD PART**.

(Here-in-after collectively referred to as partners and individually as partner)
 "PARTNER" means any person that becomes a partner and includes Designated Partner or vice versa.

WHEREAS:

That Parties herein have incorporated a Limited Liability Partnership in the name and style of **M/s. GANGOTRI GREEN PRODUCTS LLP** vide **Registration No. - ABA-6408** dated 14th February, 2022. having its registered office at **KHALISHANI, RAJAPUR, ULUBERIA, KHALISANI, SANKRAIL, HOWRAH:711 307, WEST BENGAL**

- (a) in terms of the Limited Liability Partnership Agreement, Dated 15.02.2022 & Supplementary Deed Dated 17.11.2022 under the provisions of Limited Liability Partnership Act, 2008.

Sakchhi Trivedi

Anushka Saraf

KAMAL KUMAR PAUL
 NOTARY GOVT. OF INDIA
 Regd. No.-2700104
 C.M.M.'s Court
 2 & 3 Bankshall Street
 Kolkata-700011

Aayush Saraf

08 AUG 2023

- (b) The Third Party has given notice in writing to the LLP of her desire to retire from the said LLP after execution of this Supplementary LLP Agreement.
- (c) The Partners have discussed and mutually agreed for the retirement of Third Party as Partners from the LLP as per the terms and conditions stated herein below:

NOW THIS DEED WITNESSETH AS FOLLOWS:

1. SUPPLEMENTARY DEED

That this Agreement is supplement to the Limited Liability Partnership Agreement dated 15/02/2022

2. RETIREMENT OF PARTNER

That the Third Party shall be retired as Partner from the LLP after execution of this Supplementary LLP Agreement.

3. PARTNERS CONTRIBUTION

That the Capital of the LLP shall be remain same as Rs. 100,000/- (Rs. One Lacs Only), the Third Party shall withdraw his entire capital contribution of Rs. 35,000/- and the First Party & Second Party Shall Further contribute a sum of Rs. 30,000/- (Thirty Thousand Only) & Rs. 5000 (Five Thousand Only) respectively towards the capital contribution of the LLP as enumerated follows:

Name of the Partner	Percentage of Contribution (%)	Amount of Contribution (in Rs)
AAYUSH KUMAR SARAF	90	90,000
ANUSHKA SARAF	10	10,000
TOTAL	100	100,000

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Anushka Saraf

KAMAL KUMAR PAUL
NOTARY GOVT. OF INDIA
Regd. No.-2780/04
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Kolkata-700001

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The Capital may be increased or reduced from time to time in the same proportionate or as may be mutually agreed upon between the Partners from time to time.

4. Profit/Loss Sharing Ratio

The First & Second Party of the LLP shall be entitled to share profit and losses in the proportion mentioned herein below or any other proportion with the consent of all the Partners.

S. No.	Name of the Partner	Percentage of Share of Profit/Loss
1.	AAYUSH KUMAR SARAF	90%
2.	ANUSHKA SARAF	10%
	Total	100.00%

5. DESIGNATED PARTNERS

The First Party & Second Party shall continue to be the Designated Partners of the LLP

6. AMOUNT DUE TO THIRD PARTY

That the Third Party confirms that as a result of account being taken, there are no dues payable to him in lieu of capital, right, title and interest in the LLP business including its assets and goodwill and he has no other claims against the LLP and its partners.

7. INTIMATION TO THE REGISTRAR

That the retirement of Third Party as partner shall be notified to the Registrar and the said parties agrees to co-operate in the process as required for this purpose.

Sakshi Trivedi *Anushka Saraf* *Aayush Saraf*

KAMAL KUMAR PAUL
NOTARY GOVT. OF INDIA
Regd. No.-2700/04
C.M.M.'s Court
2 & 3 Bankshall Street
Kolkata-700001

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IN WITNESS WHEREOF the partners have put their respective hands the day and year first hereinabove written

<p>Signed and delivered by the</p> <p><i>Aayush Saraf</i></p> <p>AAYUSH KUMAR SARAF (Designated Partner) DPIN: 08016285</p>	<p>Witnesses</p> <p>Name: <i>Smita Saha Mukherjee</i></p> <p>Address:- <i>Neendankanan, Branganagar, Kolkata - 700132</i></p> <p>Signature: <i>Smita Saha Mukherjee</i></p>
<p>Signed and delivered by the</p> <p><i>Anushka Saraf</i></p> <p>ANUSHKA SARAF (Designated Partner) DPIN: 09505740</p>	<p>Witnesses</p> <p>Name:- <i>Mahasweta Dutta.</i></p> <p>Address:- <i>19, Dixon Lane, Kolkata-700014</i></p> <p>Signature: <i>Mahasweta Dutta..</i></p>
<p>Signed and delivered by the</p> <p><i>Sakshi Trivedi</i></p> <p>SAKSHI TRIVEDI (Partner)</p>	<p>Witnesses</p> <p>Name:- <i>Sayanti De Das.</i></p> <p>Address:- <i>6, Kedar Nath Bhattacharyee Lane, Kolkata-700036.</i></p> <p>Signature: <i>Sayanti De Das.</i></p>



KAMAL KUMAR PAUL
NOTARY GOVT. OF INDIA
Regd. No.-2700/04
C.M.M.'s Court
2 & 3 Bankshall Street
Kolkata-700001

ATTESTED BY ME

KAMAL KUMAR PAUL
NOTARY Govt. of India
REGD. NO. 2700/04

08/08/23

08 AUG 2023

A copy of the appointment letter

Annexure - 1/3



भारतीय स्टेट बैंक
STATE BANK OF INDIA

To
The Director
Sayatan Consultants Pvt. Ltd.
Chatterjee International Centre
Suite No. A-5, 9th Floor
33A, Jawaharlal Nehru Road
Kolkata-700 071

Letter No. SME EXIM/AMT-III/2022-23/342

Date: 17/01/2023

Dear Sir,

M/s GANGOTRI GREEN PRODUCTS LLP
TECHNO ECONOMIC VIABILITY (TEV) STUDY
FOR SETTING UP NEW BUSINESS
PROPOSED ACTIVITY - MANUFACTURING OF PAPER CUPS

With reference to the above, we inform you that the mentioned company has approached us for a credit facility of Rs.33.50Cr to meet their fund based and non fund based credit requirement for setting up of new business.

2. The LLP has prepared the projected financials and submitted to us seeking financial assistance in the matter.

3. We forward herewith a copy of the proposed financials of the project for your perusal and necessary action. Hence, you are requested to undertake a detailed Techno-Economic Viability Study for the project in terms of following and submit us with the report at the earliest

- (a) Reasonableness of project cost envisaged by the company
- (b) Acceptability of projected revenue generation from the project with special emphasis on the sale price, present market scenario of the product and marketing set up of the LLP.
- (c) Detailed project implementation schedule
- (d) Estimated financials of the project or the tenure of the term loan
- (e) Sensitivity analysis of the project and financials
- (f) Demand-supply scenario and gap analysis for the commercial projects, especially in the present economic scenario.
- (g) Due diligence on major vendors and suppliers
- (h) Peer-firm analysis of project costs incurred by other companies/units in same field, if any.
- (i) Sources of fund (equity/unsecured loan) to be brought in for implementing the project.
- (j) Present status of various statutory approvals (including their present validity) to be taken e.g. PCB clearance, MOEF clearance, State Government clearance, land clearance, Water arrangements, power and other necessary approvals for the project.
- (k) Availability and procurement of raw material inputs, technology, machineries etc.
- (l) Requirement of labour workforce and availability of the same.
- (m) Any other matter which would be relevant for the viability of project.

bank.sbi
IFSC : SBIN0004288
Email: sbi.04288@sbi.co.in

एस. एम. ई. एक्सिम शाखा
४वां तल, भारत चेम्बर ऑफ कॉमर्स
९ / १, सईद अमीर आली एवेन्यू
कोलकाता - ७०० ०१७

SME EXIM Branch
Bharat Chamber of Commerce,
4th Floor, 9/1 Syed Amir Ali Avenue
Kolkata-700 017





भारतीय स्टेट बैंक
STATE BANK OF INDIA

4. Based on your analysis and TEV of the project, you need to submit to us, your specific confirmation to the effect that :

"We have confirmed technical and financial aspects of the project and based on your independent assessment, the project is technically feasible and economically viable."

5. The fees for undertaking the study will be borne by the LLP. You may finalise the LLP of your charges before undertaking the study. A copy of this letter is also forwarded to the LLP for information and with a request to extend necessary support to you in your undertaking the study and preparing the report and including finalisation of professional fees payable to you.

Please feel free to conduct with us in case of any requirement. For any details from the Company, kindly contact the following person:

Sl	Name	Mobile No	Email
1	Mr. Sudhir Budhia	9830751981	Sudhir.budhia@gmail.com

Address – Khalishani, Rajapur, Uluberia, Dist –Howrah, WB, PIN 711307

6. The TEV report may please be forwarded to us at the earliest after doing all due diligence.

Thanks and Regards,

Yours faithfully,


Shri Rajarshi Biswas
Relationship Manager (SME)
+91 96747 58536

bank.sbi
IFSC : SBIN0004288
Email: sbi.04288@sbi.co.in

एस. एम. ई. एक्सिम शाखा
४वा तल, भारत चेम्बर ऑफ कॉमर्स
९ / १, सईद अमीर आली एवेन्यू
कोलकाता- ७०००१७

SME EXIM Branch
Bharat Chamber of Commerce,
4th Floor, 9/1 Syed Amir Ali Avenue
Kolkata-700 017



A copy of email regarding offer letter and list of information

Annexure – 1/4



SCPL <sayantan.consultants@gmail.com>

Re: Project report Gangotri Green Products LLP

Sayantana Consultants Pvt. Ltd. <sayantan.consultants@gmail.com>
 To: Sudhir Budhia <sudhir.budhia@gmail.com>
 Cc: rajarshi.biswas1@sbi.co.in

Tue, Jan 10, 2023 at 4:23 PM

Dear Sir,

1.0 With reference to the trail mail and the telephonic conversation we had with the bank personnel of **SBI SME-EXIM Kolkata**, we have been appointed for the preparation of the Techno Economic Viability (TEV) report of the project, for setting up of a manufacturing unit of Paper Cup, Ripple Cup, Double Wall Cup, Pulp Table Ware, Plastic Container, Printing of Paper Cup and Paper Straw etc. at Mouza- Khalisani, P.S. - Uluberia, District - Howrah, Pin - 711307, being developed by the company, namely, **M/s. Gangotri Green Products LLP**, we would like to inform you that we would be pleased to take up the assignment at a professional fee of **Rs. 1,00,000/- (Rupees one lac only) plus GST** as would be applicable from time to time.

2.0 Our payment terms would be as under:-

- a. 50% of the total professional fee, i.e., Rs. 50,000/- plus GST as advance.
- b. Balance 50% of the total professional fee, i.e., Rs. 50,000/- plus GST on submission of final report in 2 (two) sets.

3.0 In addition to the above, any other expenses on account of travelling, boarding and lodging, if any, incurred by us in connection with the assignment shall be borne by the company (M/s. Gangotri Green Products LLP).

4.0 On receipt of the information/data/documents required for preparing the report, we shall go for inspection of the site. A copy of the preliminary list of information/documents required by us to prepare the report will be sent to you along with this email. Please provide us with the information/document at the earliest.

5.0 We shall complete preparing the report and submit the same within 15 working days from the receipt of all information/documents.

6.0 Our assignment shall be treated as completed as soon as the report as above is submitted to the bank.

7.0 Our banking details are as under:-

Name of the Beneficiary	SAYANTAN CONSULTANTS PVT. LTD
Name & address of the Bank	UCO BANK Jawaharlal Nehru Road Branch 35/1, J. N. Road, Kolkata – 700 071
Current A/c No	10730210000625
IFSC No. for RTGS / NEFT	UCBA0001073

8.0 Kindly make the advance payment of Rs. 50,000/- + GST, i.e., Rs. 59,000/-. Also please provide us with the GST no. of the company for our record.

Thanking you and assuring of our best services.

Yours faithfully
 For Sayantan Consultants Pvt. Ltd.

Soham Satya Kuity
 Manager (Project Appraisal)
 8013645836



Some pictures taken at the time of site visit on 24.01.2023

Annexure – 1/5










A copy of the CA certificate from Sumit Kumar Shaw

Annexure – 1/6

 **SUMIT KUMAR SHAW**
CHARTERED ACCOUNTANTS

CA Sumit Kumar Shaw, ACA,
Membership No. : 300981

TO WHOM IT MAY CONCERN

This is to certify that M/s GANGOTRI GREEN PRODUCTS LLP, having LLPIN: ABA-6408, has incurred a total cost of Rs. 110.21 lakhs (Rs. One crore ten lakhs twenty-one thousand Only) till 31st January 2023 towards setting up a factory. The details of sources and application of funds are given below.

Please find the draft calculation of expenditure incurred till 31.01.2023

Cost incurred

(₹ IN LAKHS)

SL. NO.	PARTICULARS	PROJECTED	ACTUAL EXPD. TILL 31.01.2023
1.	LAND AND LAND DEVELOPMENT	Freehold	-
2.	CIVIL CONSTRUCTION	1,326.66	110.21
3.	PLANT & MACHINERY	1,744.39	-
4.	ELECTRICALS INSTALLATION	100.30	-
5.	MISC. FIXED ASSETS	55.00	-
6.	PRE-OPERATIVE EXPENSES	128.65	-
TOTAL		3,355.00	110.21

The Sources of the funds are:


(₹ IN LAKHS)

Sl No.	Particulars	PROJECTED	ACTUAL EXPD. TILL 31.01.2023
1.	Promoter Contribution	1,320.00	110.21
2.	Term Loan from Bank	2,350.00	-
Total		3,355.00	110.21

To the best of knowledge and belief this is being issued on the basis of information provided and documents produced by the company. This certificate is issued at the specific request of the management of the company.

Thanking You
Yours faithfully

FOR: SUMIT KUMAR SHAW
Chartered Accountant



SUMIT KUMAR SHAW
Proprietor
M. No: 300981
UDIN: 23300981BGPQR9348
Date-11.02.2023

Office: 46/6 S N Banerjee Road, Kolkata – 700014, (West Bengal) Cell: 9830527268
E-mail: sumit_kr_shaw@yahoo.co.in

A copy of the mutation certificate

Annexure – 3/1

জেলা —	২৭৩৬	খতিয়ান নং —	৪২৪৩	[০৫১২০৯৬]	
সৌজা —	খালিসামী	জে.এল.নং —	৯৬	থানা — উলুবেড়িয়া	
(১) রাজস্ব —	০.০০ টাকা				
(২) জমির মোট পরিমাণ —	১.২০	একর (৩) মোট দাগের সংখ্যা —	৬		
(৪) অত্রস্বত্বের দখলকারের বিবরণ	(৫) স্বত্ব	(৬) মন্তব্য			
নাম পিতা/স্বামী ঠিকানা	সুপ্রসন্ন কনস্ট্রাকশন প্রাইভেট লিমিটেড ডাউন জিওমেট্রিক ডাউন মারটিন রান হাউস, আই. আর. এন মুখার্জী রোড ০৫ ব্লক, রুম নং ৪১ কলিকাতা - ৭০০০১	রায়ত			
(৭) অত্রস্বত্বের নিজ সখীল জমি :					
দাগ নম্বর	জমির শ্রেণী	দাগের মোট পরিমাণ একর	দাগের মধ্যে অত্র স্বত্বের অংশ	দাগের মধ্যে অত্র- স্বত্বের জমির অংশের পরিমাণ একর	হেক্টর
২২৫০	২২৫০ শালি	০.৩৯	০.৭৩৮৭	০.২৮	০.২৮
২২৫৩	২২৫৩ শালি	০.৮৯	০.৫১১২	০.৪৬	০.৪৬
২২৮১	২২৮১ ডাঙা	০.১৫	০.৮২৬৭	০.১২	০.১২
২২৮২	২২৮২ শালি	০.১৬	১.০০০০	০.১৬	০.১৬
২২৮৩	২২৮৩ শালি	০.১৮	০.৫৬০৭	০.১০	০.১০
২২৮৪	২২৮৪ শালি	০.১৮	০.৪৫০০	০.০৮	০.০৮
দাগের মোট সংখ্যা		২২ মাত্র		১.২০	
Appl. Fee: Rs.10, Authentication Fee: 1 x Rs. 10 = Rs.10, Total: Rs.20					

A copy of conversion certificate

Annexure – 3/2

Government of West Bengal

Office of the District Land & Land Reforms Officer

হাওড়া

To

ক্লাইমিক কল কিট ক্রিশ্চিয়ান স প্রাণি:

পিতা/স্বামীর নাম: পক্ষে ডিরেক্টর অনিল কুমার সরাফ

সেক্টর ফাইন্ড স্ট্রীট নং ফোর মন্টলেস কোলকাতা-৭০০০২১

P.S.: রাজাপুর

District: হাওড়া

Sub: Prayer for change of character of land from one class to another

Ref: His/Her application dated: 13/10/2022

In terms of the provision laid down in sec 4C of the West Bengal Land Reforms Act, 1955 as amended up to date read with the provision of Rule 5A of West Bengal Land Reforms Rules, 1965 permission is hereby accorded to him/her for conversion of land from one class to another as noted in the schedule-I below with effect from 14/12/2022 subject to the terms and condition as noted in schedule-II

Schedule-I

(Schedule of Land for which conversion is allowed vide case no. CN/2022/0512/766)

Mouza With JL No. & PS	Khatian No.(LR)	LR Plot No. Noted in the Deed	New Plot No. (after creation of Bata if any)	Share	Area (in Acres)	Classification as per ROR	Classification for which permission accorded
খলিসানী, ৯৬, রাজাপুর	4243	2250		7387	0.2800	শালি	করখানা
খলিসানী, ৯৬, রাজাপুর	4243	2253		5112	0.4600	শালি	করখানা
খলিসানী, ৯৬, রাজাপুর	4243	2281		8267	0.1200	ডাঙ্গা	করখানা
খলিসানী, ৯৬, রাজাপুর	4243	2282		10000	0.1600	শালি	করখানা
খলিসানী, ৯৬, রাজাপুর	4243	2283		5607	0.1000	শালি	করখানা
খলিসানী, ৯৬, রাজাপুর	4243	2284		4500	0.0800	শালি	করখানা

Schedule – II

(Terms and conditions for conversion)

- This permission for conversion is without prejudice to any of the provisions of chapter IIB of West Bengal Land Reforms Act, 1955.
- This permission of conversion is also without prejudice to any the provision of the Urban Land (Ceiling and Regulation) Act , 1976 (Act 33 of 1976) & the Town & Country (Planning & Development) Act, 1979, if these are applicable to the land involved.



- c) This permission for conversion will stand revoked - if there is any - violation of the provision of prevailing laws -enforcing prevention -of environmental pollution affecting public health in general of the locality at any point of time.
- d) This -permission -of conversion will also stand -revoked if the land is used other than the purpose for which permission is given.
- e) The Land Revenue shall be determined as per sec. 23 of amended WBLR Act.

This conversion certificate is being issued in accordance with the notification bearing no. 4296 LR/1A-05/07 GE(M) dated 17.09.2009 of the Commissioner General, Land and Land Reforms Deptt. & Additional Chief Secretary to the Govt. of West Bengal, published on 24.09.2009 in-the Kolkata Gazette, Extraordinary.

- f) Subject to approval of the Competent Authority under the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

Collector w/s 4C of the WBLR Act, 1955

&

District Land & Land Reforms Officer

Memo:

Dated: 14/12/2022

- (i) The BL&LRO, উলুবেড়িয়া-2 for information and taking necessary action.
- (ii) The RI, of the খলিসানি for information and taking necessary action.
- (iii) Office copy of the certificate to be kept with the relevent case Record

District Land & Land Reforms Officer

Copies of the sanctioned ground floor plan, site plan and location plan and typical floor plan, floor elevation plan

Annexure – 3/3







All the quotations of the machinery

Annexure – 3/4



珠海市拱北星源發展有限公司

ZHUHAI XING YUAN DEVELOPMENT CO., LTD.

地址: 廣東省珠海市拱北夏灣路176號 Tel: 8118832 Fax: 8871651

PROFORMA INVOICE

PI No.: NYPA220603-1

Date: June 03rd, 2022

TO: Gangotri Green Products LLP

3b, Rammohan mullick garden Lane, Manikaran 7th Floor Flat-7SA Kolkata-700 010

SL NO.	DESCRIPTION	QUANTITY	Amount
01	Pulp Molding Machine	1 lot	765,000
TOTAL: USD 765,000			

Remark:

1. **PI Value:** USD 765,000

2. **Payment:**

30% ADVANCE PAYMENT is payable by T/T.

70% PAYMENT is payable by T/T before dispatch.

3. **Terms:** CIF MUNDRA INDIA

4. **Dispatch:** within 75 days upon receipt of the down payment.

5. **Guarantee:** 365 days after installation

6. **Installation and Training:** The seller will assign technician to buyer's factory for the installation. But before the engineer assign, the buyer should arrange the local pipeline and system properly ready. The buyer will pay round-trip air ticket, visa charge. The buyer should arrange the accommodations and food. And the buyer should pay the subsidy \$150 USD/person/day as the installation and training salary. The buyer should offer necessary installation tool, arrange the workers to under the technician coach and finish the installation together.

7. **Manufacturer:** Guangzhou NANYA Pulp Molding Equipment Co., Ltd

8. **Export Agent:** ZHUHAI XING YUAN DEVELOPMENT CO., LTD

9. **Beneficiary Banking Information**

Beneficiary:	ZHUHAI XING YUAN DEVELOPMENT CO., LTD
Address:	NO.176 XIAWAN ROAD, GONGBEI, ZHUHAI, GUANGDONG, CHINA
Tel No.:	86-0756-8118832
Fax No.:	86-0756-8871651
BANK NAME:	THE AGRICULTURAL BANK OF CHINA GUANGDONG, ZHUHAI GONGBEI,



1282



珠海市拱北星源發展有限公司

ZHUHAI XING YUAN DEVELOPMENT CO., LTD.

地址: 廣東省珠海市拱北夏灣路176號 Tel: 8118832 Fax: 8871651

	SUB-BRANCH
BANK ADD:	NO.333-2 YUEHUA RD, GONGBEI, ZHUHAI, GUANGDONG, P.R.CHINA
ACCOUNT NO.:	4435 0401 0400 01709
SWIFT:	ABOCCNBJ190
TEL:	0086-756-8885534

ANNEX 1

MACHINE LIST

No.	Description	Type and specifications	Quantity	Total price	Remark
FORMING SYSTEM					
1	半自动餐盒成型机 semiautomatic dishware forming machine	<ul style="list-style-type: none">• KBY043• Mould plate size: 1100×800mm;• One set of Forming plate and 2 sets of Hot press plate;• Forming method: Vacuum forming.• Drying method: thermal forming.• Forming, drying and finishing processes are completed in one machine. (The products transfer by worker or extra robot arm).• Heating by electricity or conduction oil;• PLC + touch screen control; Stainless pulp tank.• The main electrical elements are Siemens; The main pneumatic element is FESTO or SMC.	6sets	408,000	
2	模具 Mould	<ul style="list-style-type: none">• Mould size: 1100×800mm;• Include one set of Forming mould and 2 sets of Hot press moulds;• Made by aluminum	9sets	162,000	
3	成型机器人 Forming Robot	<ul style="list-style-type: none">• 4 axis servo motor drive• Both of wet hand and dry hand• 1100*800mm platen size	6set	192,000	
4	机器人模具 Mold for Forming Robot	<ul style="list-style-type: none">• Steel alloy mold• 1100*800mm platen	9sets	22,500	
TRIMMING SYSTEM					
5	切边机 Trinming machine	<ul style="list-style-type: none">• Use for edge trimming• Model:SQ060• Pressure: 20ton;• Mould plate size: 600*400mm	6sets	39,000	
6	切边模具	<ul style="list-style-type: none">• Include 1 pc up mould and 1 pc bottom mould;	9sets	9,000	



珠海市拱北星源發展有限公司

ZHUHAI XING YUAN DEVELOPMENT CO., LTD.

地址: 廣東省珠海市拱北夏灣路176號 Tel: 8118832 Fax: 8871651

Edge trimming mould	• Made by aluminum.			
<u>TOTAL Price of main machine (FOB GUANGZHOU, China): USD 832,500</u>				
<u>FINAL FAVOR PRICE WITH DISOUNT USD 765,000</u>				

SRI SIDDHI TECHNICAL SERVICES

September 20th, 2022.

Kind Attention: Mr. Aayush Saraf
Gangotri Green Products Pvt. Ltd.
KOLKATA

Dear Mr. Aayush, in continuation to our discussion held in your office, following is my best offer for Complete pulping station equipment for your upcoming tableware project, (this excludes supplies from China supplier).

Pulping section Machinery cost - 6 machines with robots			
No	Item	Qty.	Price Lump Sum (INR)
1	Hydra pulper	1 No.	
2	Thermic fluid heater with interconnecting piping	1 Lot	
3	Pulp & water pumps (including stand by units)	1 Lot	
4	Electric motors for pumps	1 Lot	
5	Vacuum Pump with motor vacuum tank	1Set	
6	Cooling tower for vacuum pump	1Set	
7	Agitators for pulp tanks	1 Lot	
8	Air Compressor , dryer , with tank -1	1Set	
9	Refiner with motor	1 No.	
10	Production Tables	10 Nos.	
11	QC & Packaging Tables	10 Nos.	
12	Packaging Machine	1Set	
13	Electric Panels for TFM , Hydra pulper , Trimming , sub panels	1Set	
14	Electric Cabling and cable trays and accessories	1 LOT	
15	Piping & fittings with valves	1 LOT	
16	Installation Cost	1 LOT	
17	Installation Cost for electrical system	1 LOT	
18	Commissioning of plant	1 LOT	1, 80,00000.00

Flat No. 303, Star Court 8, Jaypee Greens, G-Block, Surajpur, Kasna Road,
Greater Noida, Gautam Buddha Nagar, Uttar Pradesh 201306.
Email: Vipin.cst@gmail.com | Contact: 9760833082

SRI SIDDHI TECHNICAL SERVICES

NOTE- 1. GST shall be payable extra as per government rules.

2. All payments shall be received by NEFT/ RTGS only.

Delivery – with in 90 days after down payment.

Payment terms:

30% advance along with PO.

50% at the time of dispatch.

20% after commissioning.

Thanks

Vipin Kumar

(Managing Partner)

Flat No. 303, Star Court 8, Jaypee Greens, G-Block, Surajpur, Kasna Road,
Greater Noida, Gautam Buddha Nagar, Uttar Pradesh 201306.
Email: Vipin.cst@gmail.com | Contact: 9760833082

GST No. – 08AVKPS3473J1ZY

GLOBAL LINK IMPEXRaghu Ware House, Near Rajasthan Patrika, Itarana Road,
Old Industrial Area, Alwar (Raj.) 301001**PERFORMA INVOICE**

M/s GANGOTRI GREEN PRODUCT LLP 3b, Rammohan Mullick Garden Lane, Manikaran, 7 th Floor, Flat - 7SA, Kolkata - 700010 Contact Person : Mr. Aayush Saraf Contact No. : +91-9163069506 Email I'd : aayushsara2204@gmail.com PAN No. : AAYFG0176D LLPIN : ABA-6408				QUOTATION No. : 20220819 DATE : 19-Aug-2022	
Sr No.		Particulars	Qty	Rate	Amount
1.		ROLL DIE CUTTING MACHINE 1200mm	1 SET	Rs. 33,80,000.00 Per Set	Rs. 33,80,000.00
2.		FLEXO PRINTING MACHINE 1200mm	1 SET	Rs. 29,50,000.00 Per Set	Rs. 29,50,000.00
3.		HIGH SPEED PAPER CUP MACHINE GLI - 1100	4 SET	Rs. 11,80,000.00 Per Set	Rs. 47,20,000.00
4.		PAPER CUP MACHINE GLI - 900	4 SET	Rs. 8,80,000.00 Per Set	Rs. 35,20,000.00
5.		PAPER CUP MACHINE GLI - 800	8 SET	Rs. 7,60,000.00 Per Set	Rs. 60,80,000.00
6.		PAPER PLATE MACHINE PPM - 800	1 SET	Rs. 8,00,000.00 Per Set	Rs. 8,00,000.00
7.		RIPPLE CORRUGATION MACHINE 950mm	1 SET	Rs. 44,00,000.00 Per Set	Rs. 44,00,000.00
8.		FOLDER & GLUING MACHINE 950mm	2 SET	Rs. 8,80,000.00 Per Set	Rs. 17,60,000.00
9.		PAPER CUP MACHINE GLI - 800	6 SET	Rs. 8,60,000.00 Per Set	Rs. 51,60,000.00
10.		RIPPLE PAPER CUP MACHINE RPC - 700	6 SET	Rs. 8,80,000.00 Per Set	Rs. 52,80,000.00
11.		PAPER CUP MACHINE GLI - 800	3 SET	Rs. 8,60,000.00 Per Set	Rs. 25,80,000.00
12.		DOUBLE WALL PAPER CUP MACHINE DPC - 700	3 SET	Rs. 9,80,000.00 Per Set	Rs. 29,40,000.00
TOTAL					Rs. 4,35,70,000.00
IGST @ 18%					Rs. 78,42,600.00
GRAND TOTAL					Rs. 5,14,12,600.00

Amount in Words : Five Crore Fourteen Lac Twelve Thousand Six Hundred Rupees Only.E-mail : aman@globallinkimpex.com

Mob.: +91-9983877065, +91-9983313455



GST No. – 08AVKPS3473J1ZY

GLOBAL LINK IMPEXRaghu Ware House, Near Rajasthan Patrika, Itarana Road,
Old Industrial Area, Alwar (Raj.) 301001**BANK DETAILS :**

Name : GLOBAL LINK IMPEX
Bank Name : AXIS BANK LTD.
Bank Add. : 1, JAI COMPLEX, ROAD NO. 2, ALWAR (RAJ.) 301001
Account No. : 916030046775655
IFSC Code : UTIB0000401 (RTGS Code)

TERMS & CONDITIONS :**INSURANCE** : Free Transit Insurance of Machine till your factory.**TAX EXTRA** : IGST @ 18% Extra.**PAYMENT** : 30 % advance payment along with purchase order, the balance 70% balance before delivery of Machine.**DELIVERY** : 60 days from the date of Advance Payment along with Size Confirmation.
Machine will be in Packaging.**TRANSPORT** : Freight Charges to be paid by Buyer. Ex-Factory Alwar (Raj.)**WARRANTY** : 1 Year Warranty Manufacturing Default of the Machine. Guaranty for Electrical Parts covered only in the case of Manufacturing Default. Any Damage occurs due to other issues will be not covered. Free Installation of Machine at Our Cost.**VALIDITY** : 30 days from the date of this Performa Invoice**ERECTION** : During the time of machine erection all expenses including two ways Travel fare, Boarding & Lodging will be provided by customer only.**NOTE** : On Cancellation of Order, Company reserves the Full rights to Forfeit the Advance Payment.
Ensure proper power supply & raw materials for trail run.**JURISDICTION** : The Alwar court alone shall have Jurisdiction in Respect of all Claims & Disputes.*"We Build Faith into our Machines"*

We assure you of our best workmanship and prompt services at all the times. We eagerly look forward to hear favorable from you in form of your confirmed order.

For, GLOBAL LINK IMPEX**AMAN SINGHAL** : 9983313455**NAMAN SINGHAL** : 9983877065E-mail : aman@globallinkimpex.com

Mob.: +91-9983877065, +91-9983313455



JH-WELLTEC MACHINES (INDIA) PVT. LTD.

B – 30, Zhaveri Industrial Estate, Kathawada, Ahmedabad – 382430, Gujarat, India
 Tel: +91-92280004239 Fax: +91-79-22900700 Email: info@jhwelltec.com Web: www.welltec.com.hk
 Branch offices at: Mumbai / Delhi / Chennai / Kolkata / Pune / Vapi

Ref.: JHW/21-22/Kol/080317

Date: - 8th December 2022

M/s. Gangotri Projects Pvt. Ltd.
Godrej Genesis, Unit – 1006,
10 th Floor, Plot – XL , Block – EP & GP,
Sector – 5, Salt Lake City
Kolkata - 700091

Kind attn.: - Mr. Omprakash Trivedi /Ayush Saraf

Dear Sir,

Subject: - Final Quotation Servo based Injection Moulding Machine from JH Welltec Group

We thanks for your valuable enquiry for your interest in Injection Moulding Machine. Please find herewith our best quotation best suited for your application.

Again to inform you that M/s JH-WELLTEC Machines (India) Pvt. Ltd is a JV- company with M/s WELLTEC Machines Ltd. - Hong Kong. Welltec is well known brand for Injection molding machine, a subsidiary company to Cosmos Group, Hong -Kong. Welltec makes almost 7000 machine every year up to 4000 T in size. Whereas the Indian partner M/s Jishu Hozen Machine (I) Pvt. Ltd. has got an experience of more than two decade in the same field. We have started our operation since Oct. 2010 and growing at rapid stage. We have already sold 790plus machines running satisfactorily at our customer places.

Quotation for most Energy Efficient “SE- II Series” Servo Based Injection Moulding Machines

Sr No.	Description of Machine	Price in INR
1	SE II - 60Ton Injection Moulding Machine equipped with Highly Energy Efficient Servo System With Injection unti of 30 mm Screw dia and 5.5 KW Power Pack	16,50,000

Additional Items:-

1. Core Pull Device :-	INR	40,000
2. Air Blast :-	INR	7,500
3. Water Manifold with Ball Valves :-10 IN 10OUT	INR	15,500
4. Part Drop Chute:-	INR	Standard
5. Electrical Plug and Socket :- 1 set	INR	Standard
6. Side Ejector Pins :-	INR	Standard
7. Mounting Pads :-	INR	Standard
8. Mould Clamps :-	INR	7,000

Total Price of Additional Items: - **INR 70,000**



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Standard Parts with make:-

- a. Microprocessor:- **B & R**, Austria type **S - 09** with "Smart mold"
- b. Hydraulic Valves:- **Rexroth**
- c. Servo Motor :- **Phase**, Italy
- d. Gear Pump:- **Eckerle** - Germany/ **Setima** - Italy
- e. Screw Hydro motor:- **Intermot** - Italy
- f. Linear Scale:- **Gefran** - Germany
- g. Electrical Components:- **Schneider** - France
- h. Hydraulic Hose:- **Parker**
- i. Seal Kit:- **Hallite**
- j. Heater :- **Anupam**

Standard Features:-

- a. Purge Safety Guard
- b. Specially designed Insulated Heaters to save power
- c. Mounting Pads
- d. General Purpose Screw and Barrel
- e. Auto tune PID based Temperature Controller
- f. Oil Line Filters

Optional Features:-

- a. Core Pulling Device – Fixed side / Moving Side
- b. Robot Interface
- c. Special Screw and Barrel to Run PC/PMMA and PVC
- d. Bi-metallic Screw and Barrel to run GF materials
- e. Ethernet connection
- f. Extended Nozzle / Spring Shut Off Nozzle
- g. Accumulator based injection system
- h. Unscrewing Device
- i. Feed Throat Temperature Control
- j. Air Blast Device
- k. Return line Filters
- l. T Slot Platen
- m. Hopper Drier & Loader
- n. **iSee** facilitates the customer to see exactly the same screen, check the instant status of the machine and get the quality report from the machine from any place at any time

Please check catalogue for specification as well as Annexure for terms and conditions.

For **JH Welltec Machines (India) Pvt. Ltd.**,

Souvik Das
 Regional Manager
 91+7622988842/9674965163
souvikdas@jhwelltec.com

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Annexure



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1. **Price Terms** Basic Price, Ex works, Ahmedabad, Gujarat
2. **GST** 18 % or as applicable at the time of delivery
3. **Local other Taxes** All other Taxes will be at buyers account.
4. **Octroi** If applicable will be paid by buyer directly to the appropriate Authorities. Arrangement and payment of Octroi charges incurred or incurable by the transporter will have to be paid immediately by the buyer on arrival of transporter, failing which the transporter can deny to handover the material. Any retention charges arising out of any delay from customer side will have to be mutually settled between customer and transporter without involving us.
5. **Freight** Will be extra at buyers account. If customer want to transit goods from particular transporter than it should be clearly intimated well in advance along with details
6. **Insurance** @ .25% on total value will be extra paid by the buyer. In case of insurance arranged by us on your behalf, it is your responsibility to inform us about damages etc. within 7 days from the receipt of goods at your end. No claims shall be entertained thereafter. When insurance is arranged by us the process of claim with the underwriter is to be initiated and processed by the purchaser.
7. **Packing Charges** Standard packing procedure for within India will be followed. Any specific requirement by buyer regarding the same will be intimated well in advance and will be charges extra.
8. **Payment Terms** 40 % advance and balance before delivery of machine as per Proforma Invoice prior to dispatch from the factory. Balance payment should include all other like Taxes, Duties, Packing charges, Insurance, Freight, Octroi and erection and Commissioning charges if any. Interest at 20% per annum will be charges on all the bills not paid within due date. The advance payment against machine order shall not incur any interest.
9. **Delivery** **8 – 10 weeks** from the receipt of mutually agreed and accepted confirm Purchase Order with clear Technical and Commercial Terms. Delivery will be effective from the date of advance realization as per advance terms. Delivery schedule will be intimated for multiple machine order. Delivery schedule is based on current load factor and can be increase or decrease at the time of delivery. We will endeavor to keep to the delivery schedule given, but accept no liability for failure to do so. Delay in the delivery quoted shall not ender the contract voidable on the part of the purchase and no claim either direct can be made on us on account of delays. In no case shall the purchaser have the rights to withhold the balance payment or reject goods on account of delay in delivery.
10. **Inspection** Manufacturer's inspection before dispatch shall be final. Any inspection by the customer or their approved authority will be carried out at our works, prior to dispatch, if stipulated so in the Purchase order.

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11. **Commissioning** Installation will be done under supervision of our service engineer.

**DEKUMA UBE - COSMOS**

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12. Training

Customer has to ensure all necessity material ready before calling our engineer failing to do so will be levied additional charges per day per person basis on all additional days spend. All necessary materials should be kept ready like Power, Water and Air supply (till the machine), and proper lifting equipment's for leveling, tools, raw material and mould.

13. Warranty

Training to operate, maintain and general checks will be properly explain to operator or any other proper person decided by buyer.

The machines offered are warranted for a period 12 months from the day of receipt of the equipment's/machine by the customer against any manufacturing inadequacies, under proper use therein and arising solely out of faulty design or workmanship. Any breakages, damages etc. Arising out of careless handling etc. are not covered under the warranty conditions. Expendable items like bulbs, fuses etc. are bit covered under the warranty condition. For promptness expected out of the warranty services, it is your obligation to inform us about complains in fullness in the format of the complaints questionnaire that will be given to you with the suppliers or at the time of commissioning.

14. Validity

The offer is valid for a period of 30 days from the quotation date.

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大同机械有限公司
COSMOS MACHINERY LTD.**DEKUMA UBE - COSMOS**东华机械
DONGHUA MACHINERY

JH-WELLTEC MACHINES (INDIA) PVT. LTD.

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Please let us know your interest by sending mail on souvikdas@jhweltec.com or call on +91-7622988842/9674965163**Let us close the deal for better prospects and business**

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 Branch offices at: Mumbai / Delhi / Chennai / Kolkata / Pune / Vapi

Ref.: JHW/21-22/Kol/080316

Date: - 8th December 2022

M/s. Gangotri Projects Pvt. Ltd.
Godrej Genesis, Unit – 1006,
10 th Floor, Plot – XL , Block – EP & GP,
Sector – 5, Salt Lake City
Kolkata - 700091

Kind attn.: - Mr. Omprakash Trivedi /Ayush Saraf

Dear Sir,

Subject: - Final Quotation Servo based Injection Moulding Machine from JH Welltec Group

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Quotation for most Energy Efficient “SE- II Series” Servo Based Injection Moulding Machines

Sr No.	Description of Machine	Price in INR
1	SE II - 90Ton Injection Moulding Machine equipped with Highly Energy Efficient Servo System With Injection unti of 35 mm Screw dia and 11 KW Power Pack	19,50,000

Additional Items:-

1. Core Pull Device :-	INR	40,000
2. Air Blast :-	INR	7,500
3. Water Manifold with Ball Valves :-10 IN 10OUT	INR	15,500
4. Part Drop Chute:-	INR	Standard
5. Electrical Plug and Socket :- 1 set	INR	Standard
6. Side Ejector Pins :-	INR	Standard
7. Mounting Pads :-	INR	Standard
8. Mould Clamps :-	INR	7,000
9. Higher Power Pack & Higher Screw Barrel	INR	2,00,000
Total Price of Additional Items: -	INR	2,70,000



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Standard Parts with make:-

- a. Microprocessor:- **B & R**, Austria type **S - 09** with "Smart mold"
- b. Hydraulic Valves:- **NACHI (Japan)** or **Rexroth** or **Vickers**
- c. Servo Motor :- **Phase**, Italy
- d. Servo Drive - **Innovance**
- e. Gear Pump:- **Eckerle** - Germany/ **Setima** - Italy
- f. Screw Hydro motor:- **Intermot** - Italy
- g. Linear Scale:- **Gefran** - Germany
- h. Electrical Components:- **Schneider** - France
- i. Hydraulic Hose:- **Parker**
- j. Seal Kit:- **Hallite**
- k. Heater :- **Anupam**

Standard Features:-

- a. Purge Safety Guard
- b. Specially designed Insulated Heaters to save power
- c. Mounting Pads
- d. General Purpose Screw and Barrel
- e. Auto tune PID based Temperature Controller
- f. Oil Line Filters

Optional Features:-

- a. Core Pulling Device – Fixed side / Moving Side
- b. Robot Interface
- c. Special Screw and Barrel to Run PC/PMMA and PVC
- d. Bi-metallic Screw and Barrel to run GF materials
- e. Ethernet connection
- f. Extended Nozzle / Spring Shut Off Nozzle
- g. Accumulator based injection system
- h. Unscrewing Device
- i. Feed Throat Temperature Control
- j. Air Blast Device
- k. Return line Filters
- l. T Slot Platen
- m. Hopper Drier & Loader
- n. **iSee** facilitates the customer to see exactly the same screen, check the instant status of the machine and get the quality report from the machine from any place at any time

Please check catalogue for specification as well as Annexure for terms and conditions.

For **JH Welltec Machines (India) Pvt. Ltd.**,**Souvik Das**

Regional Manager

91+7622988842/9674965163

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Annexure

1. **Price Terms** Basic Price, Ex works, Ahmedabad, Gujarat
2. **GST** 18 % or as applicable at the time of delivery
3. **Local other Taxes** All other Taxes will be at buyers account.
4. **Octroi** If applicable will be paid by buyer directly to the appropriate Authorities.
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5. **Freight** Will be extra at buyers account. If customer want to transit goods from particular transporter than it should be clearly intimated well in advance along with details
6. **Insurance** @ .25% on total value will be extra paid by the buyer. In case of insurance arranged by us on your behalf, it is your responsibility to inform us about damages etc. within 7 days from the receipt of goods at your end. No claims shall be entertained thereafter. When insurance is arranged by us the process of claim with the underwriter is to be initiated and processed by the purchaser.
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- | | |
|--------------------------|---|
| 11. Commissioning | Installation will be done under supervision of our service engineer. Customer has to ensure all necessity material ready before calling our engineer failing to do so will be levied additional charges per day per person basis on all additional days spend. All necessary materials should be kept ready like Power, Water and Air supply (till the machine), and proper lifting equipment's for leveling, tools, raw material and mould. |
| 12. Training | Training to operate, maintain and general checks will be properly explain to operator or any other proper person decided by buyer. |
| 13. Warranty | The machines offered are warranted for a period 12 months from the day of receipt of the equipment's/machine by the customer against any manufacturing inadequacies, under proper use therein and arising solely out of faulty design or workmanship. Any breakages, damages etc. Arising out of careless handling etc. are not covered under the warranty conditions. Expendable items like bulbs, fuses etc. are bit covered under the warranty condition. For promptness expected out of the warranty services, it is your obligation to inform us about complains in fullness in the format of the complaints questionnaire that will be given to you with the suppliers or at the time of commissioning. |
| 14. Validity | The offer is valid for a period of 30 days from the quotation date. |

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Let us close the deal for better prospects and business

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Quotation for most Energy Efficient “SE- II Series” Servo Based Injection Moulding Machines

Sr No.	Description of Machine	Price in INR
1	SE II - 130Ton Injection Moulding Machine equipped with Highly Energy Efficient Servo System with Injection With Injection unti of 40 mm Screw dia and 15.3 KW Power Pack	22,50,000

Additional Items:-

1. Core Pull Device :-	INR	40,000
2. Air Blast :-	INR	7,500
3. Water Manifold with Ball Valves :-10 IN 10OUT	INR	15,500
4. Part Drop Chute:-	INR	Standard
5. Electrical Plug and Socket :- 1 set	INR	Standard
6. Side Ejector Pins :-	INR	Standard
7. Mounting Pads :-	INR	Standard
8. Mould Clamps :-	INR	7,000
9. Higher Power Pack & Higher Screw Barrel	INR	2,50,000
Total Price of Additional Items: -	INR	3,20,000



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- b. Hydraulic Valves:- **Rexroth**
- c. Servo Motor :- **Phase**, Italy
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Optional Features:-

- a. Core Pulling Device – Fixed side / Moving Side
- b. Robot Interface
- c. Special Screw and Barrel to Run PC/PMMA and PVC
- d. Bi-metallic Screw and Barrel to run GF materials
- e. Ethernet connection
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Regional Manager

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- | | |
|--------------------------|---|
| 11. Commissioning | Installation will be done under supervision of our service engineer. Customer has to ensure all necessity material ready before calling our engineer failing to do so will be levied additional charges per day per person basis on all additional days spend. All necessary materials should be kept ready like Power, Water and Air supply (till the machine), and proper lifting equipment's for leveling, tools, raw material and mould. |
| 12. Training | Training to operate, maintain and general checks will be properly explain to operator or any other proper person decided by buyer. |
| 13. Warranty | The machines offered are warranted for a period 12 months from the day of receipt of the equipment's/machine by the customer against any manufacturing inadequacies, under proper use therein and arising solely out of faulty design or workmanship. Any breakages, damages etc. Arising out of careless handling etc. are not covered under the warranty conditions. Expendable items like bulbs, fuses etc. are bit covered under the warranty condition. For promptness expected out of the warranty services, it is your obligation to inform us about complains in fullness in the format of the complaints questionnaire that will be given to you with the suppliers or at the time of commissioning. |
| 14. Validity | The offer is valid for a period of 30 days from the quotation date. |

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DEKUMA UBE - COSMOS



JH-WELLTEC MACHINES (INDIA) PVT. LTD.

B – 30, Zhaveri Industrial Estate, Kathawada, Ahmedabad – 382430, Gujarat, India

Tel: +91-92280004239 Fax: +91-79-22900700 Email: info@jhweltec.com Web: www.weltec.com.hk

Branch offices at: Mumbai / Delhi / Chennai / Kolkata / Pune / Vapi

Please let us know your interest by sending mail on souvikdas@jhweltec.com or call on +91-7622988842/9674965163

Let us close the deal for better prospects and business

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**DEKUMA UBE - COSMOS****东华机械**
DONGHUA MACHINERY



Date: 18-10-2022

Ref : ATPL/S10155/18102022

Gangotri Green Products LLP
 3B Rammohan Mullik Garden Lane ,
 Manikaran , 7th Floor , Flat – 7SA
 Kolkata – 700 010
 PAN : AAYFG0176D

Sub : Quotation

We are pleased to quote for above referred machines as under:

Model No / Type	No of Unit	Rate / Unit in lacs	Total AMT. Rs.(Lac)	Description
PSM – 80 Paper Straw machine	1	31.00	31.00	80 speed , 70 meter stable output per min
Slitting Machine 650	1	7.20	7.20	
Sub Total			38.20	
Insurance .3%			0.0764	
ADD: GST 18%			6.890	
TOTAL FINAL TO PAY			45.166	

Note:

TAX	: GST 18 % extra . Local insurance of .03% added, TCS / TDS as applicable will be extra .
PAYMENT	: 30% advance , 40% at dispatch from china , balance 30% on arrival notice.
DELIVERY	: Ex your works .
DISPATCH	: Machine will be dispatched in approx. 30 days post confirmation of drawings for which moulds are needed . Ocean Transit time approx 30 days .
VALIDITY	: Rate valid till 15 days .
OCEAN FREIGHT	: NA

Contd....P/2

AGARWAL TRAFIN PRIVATE LIMITED

Corporate Office: Godrej Genesis, Unit No. 1106, 11th Floor,
 Plot No. XI, Block - EP & GP, Salt Lake, Sector- V,
 Kolkata - 700091, West Bengal, India,
 T : +91 -33 -2242 2140, E - info@spb.net.in
 CIN - U67190WB1997PTC083347

Visit us at - www.spb.net.in



WARRANTY	: one year from the date of arrival & installation, excluding consumables & wear tear. Warranty will be void and nullify if the parts are damaged because of your person know how problem or skill problem or electric supply problem or voltage problem, basically problems which is not because of manufacturing defect or so .
INSTALLATION	: Installation free and will be provided by us . Only Travelling (2 way flight cost & local cost) , Stay & Food cost extra paid by you in actual if applicable.
TECHNICAL SUPPORT & TRAINING	: Will be provided .
SPARES	: We will Support.
STANDARD POLICY	: Non acceptance of the material on arrival , by the buyer , by not clearing full balance payment will lead to cancellation of order and advance forfeiture. Note any additional cost arising due to delay in payments will be 100% on your account. All disputes will be to the Kolkata jurisdiction and arbitration only .
BANK DETAILS	: M/S. Agarwal Trafim Pvt Ltd. ICICI Bank, Sec V Branch A/C No: 627905014576, RTGS/IFSC Code: ICIC0001056 , Swift code : ICICINBBCTS

Our area of strength is after sales service and professional approach with proper guidance to make your venture viable and profitable.

Thanking You,

For SPB Machinery



Authorized Signatory

AGARWAL TRAFIN PRIVATE LIMITED

Corporate Office: Godrej Genesis, Unit No. 1106, 11th Floor,
Plot No. XI, Block - EP & GP, Salt Lake, Sector- V,
Kolkata - 700091, West Bengal, India,
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CIN - U67190WB1997PTC083347

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Quotation

Gangotri Group

Kolkata, West Bengal



Absorption
Cooling



Air pollution
Control



Boilers &
Heaters



Chemicals



Heating



Process
Cooling



Power
EPC



Solar



Waste and
Waste Solutions

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Thermax Vision

To be a globally respected high performance organisation offering sustainable solutions in energy and environment

Contents

- Introduction
- Commercial Quotation
- Terms and Condition of Sale



Date: 01-Jun-2023

Kind attn.: Mr. Saraf,

**Subject: Proposal of Thermax Ltd make solid fuel fired 1500000 Kcal/hour
Thermic Fluid Heater with Boiler House balance of Plant.**

(Model: VTCy-15/280 deg C/ CYC With Valves Chimney & BOP)

Dear Sir,

We thank you for giving us the opportunity to interact with you and submit a proposal for your review. Based on your specifications we have enclosed the commercial and technical offer regarding the thermic fluid heater for your review and feedback.

Our extensive experience in serving customers in the region backed by technical expertise will always assure you of best-in-class services.

We look forward to a positive response and please feel free to contact us in case of any clarifications.

Thanks and Regards,

On Behalf of Thermax Limited (Prerana Engineers & Consultants Pvt. Ltd. (WBS))

Subhodeep Sarkar

Cell: 9831447608

Email: ssarkar@preranaengineers.com

Encl.: As above.

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1. PRICE SCHEDULE OF THERMIC FLUID HEATER MAIN UNIT:

QTY	PRODUCT	DESCRIPTION	NET PRICE
1.00	VTCY 15/Indian Coal/Wood/Briquette/280 deg C	Vertical Thermopac TFH - Stationary Grate 1500000 kcal/hr Indian Coal/Wood/Briquette 280 Deg C	INR 33,66,000.00
1.00	Cyclomax (CYC)	Cyclomax consisting of cyclones for dust separation; Rotary air lock valve with geared motor for continuous ash removal.	INR 2,99,000.00
TOTAL:			INR 36,65,000.00
DISCOUNTED PRICE:			INR 31,15,000.00

2. PRICE SCHEDULE: BOILER HOUSE VALVES PROPOSAL

SI No	PRODUCT DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1.	Cast steel Gate Valve at TF Pump Suction	3	INR 81,500.00	INR 2,44,500.00
2.	Y Stainer at TF pump Suction	1	INR 77,000.00	INR 77,000.00
3.	Bellow seal Glove valve at TF pump Delivery	1	INR 1,67,000.00	INR 1,67,000.00
4.	Bellow seal glove valve at TF unit Outlet	1	INR 1,67,000.00	INR 1,67,000.00
5.	Glove valve at DE tank – Drain Line	1	INR 12,000.00	INR 12,000.00
6.	Cast Steel Gate Valve at TF top up pump suction	1	INR 16,500.00	INR 16,500.00
7.	Y stainer at TF pump suction	1	INR 12,500.00	INR 12,500.00
8.	Globe valve at thermic fluid top up pump bypass line before suction	1	INR 10,500.00	INR 10,500.00
10.	Globe valve at thermic fluid TOP UP pump delivery	1	INR 10,500.00	INR 10,500.00
11.	NRV at TF pump Delivery	1	INR 91,000.00	INR 91,000.00
12.	NRV at TF unit Outlet	1	INR 91,000.00	INR 91,000.00
13.	NRV at TF pump Top up delivery	1	INR 21,500.00	INR 21,500.00
TOTAL PRICE:			INR 9,21,000.00	
DISCOUNTED PRICE:			INR 7,55,000.00	

3. PRICE SCHEDULE OF CHIMNEY:

SL NO	PRODUCT DESCRIPTION	QUANTITY (KG)	SUPPLY PRICE	ERECTION CHARGES
1.	Supply of 700 mm TOP dia X 30.5 mtr. High self supported chimney with 30mm base plate & body of 10mm, 8mm & 6mm thick MS plate. Along with 1 no. platforms and ladder with fencing and TWO coat Al paint outside. Also includes Base template, Foundation Bolts, nut bolts,		INR 9,75,000.00	INR 1,15,000.00
Total Price:			INR 10,90,000.00	
DISCOUNTED PRICE:			INR 9,25,000.00	

Packing & Forwarding	Nil
GST	As applicable at the time of delivery
Transit Insurance	Extra at Actuals, Customer's Scope
Price Basis	Ex our works
Freight & Octroi	Extra at Actuals, Customer's Scope.

1. PAYMENT TERMS: -

30 % advance along with techno commercial clear purchase order and balance with GST and taxes to be paid against proforma invoice prior to dispatch. We shall send Proforma Invoice inclusive of all taxes and incidental charges; around the time the ordered materials are ready for delivery in full or in part.

2. DELIVERY PERIOD: -

The equipment shall be ready for delivery at our or our supplier's works in 90-105 Days from the date of technically and commercially clear order with requisite advance.

3. VALIDITY: -

This offer is valid for supply in India & for 30 days from the date of offer.

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Annexure – Warranty For Equipment

Thermax's liability in respect of any defect in or failure of equipment supplied by Thermax or any loss, injury or damage attributable thereto, is limited to making good by replacement or repairs, defects, which appear therein, provided the equipment is operated and maintained in accordance with Thermax's instructions, and arise totally from proved fault in design, materials or workmanship, within a period of 12 months from the date of commissioning of the equipment or 18 months from the date of last invoiced dispatch, whichever is earlier, at the end of which period, all liability on Thermax's part will cease.

This warranty is applicable under the following conditions:

- 1) Any replacements/repairs required under provisions of the above warranty will be carried out at Thermax's option either at site or at Thermax's or our supplier's works. In the latter case, Buyer will send the defective parts to Thermax or our supplier's works at Buyer's cost & liability.
- 2) After repairs/replacement, warranty period for the entire equipment including replaced or repaired parts will be limited to the unexpired portion of the total warranty period.
- 3) For accessories and fittings not manufactured by Thermax, but which form an integral part of the equipment supplied by Thermax, the warranty will be co-terminus with the main equipment, irrespective of the warranty extended by their suppliers.
- 4) In respect of the equipment where despatch after readiness is delayed due to specific instructions or lack of instructions from Buyer, the warranty will be limited to 18 months from the date of readiness for despatch of equipment as notified by Thermax.
- 5) Any other party on Thermax's equipment during the warranty period, unless authorized by Thermax in writing, will carry out no repairs or replacements.
- 6) The warranty obligations will be honored by Thermax provided Buyer has fulfilled obligations under the order relating to release of due payments, etc.

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Terms And Conditions Of Sale

Order Confirmation

All orders placed on us directly or through our regional offices/channel partners will be binding on us only after our Head Office in Pune has issued an order confirmation.

Specifications etc.

Specifications, dimensions, design, description, paint shades etc. mentioned in our catalogues/offer are not binding on us and are subject to reasonable alterations/change without notice.

Variation or Addition in scope of supply.

The scope of our supply is restricted to as specified in our offer. Any subsequent addition or alteration will be acceptable to us provided, it is convenient to do so and the change in price and delivery period is mutually agreed upon. Unless such revision is authorised from the buyer within 15 days of our intimation, we shall be at liberty to suspend further work and recommence it only after fresh negotiation on prices and delivery period. If no agreement reached within 30 days from the intimation of change we shall adjust the advance amount & the same will be the case in absence of purchaser's specific instructions or lack of instructions.

Changes in law

During execution of order If there is any change in scope/ or nature of work due to change in Government rules or regulation, an adjustment in purchase order terms including but not limited to prices, deliveries etc shall be mutually agreed. We are not obliged to proceed with the changes until we receive amendment to purchase orders incorporating necessary changes.

Prices

All prices are our Ex-works, Savali (Gujrat) or Pune (Maharashtra) or our supplier's works, and are exclusive of transit insurance, taxes, and any other duties and levies as applicable at the time of delivery, which shall be charged separately. Freight, State Penalties for ODC Cargo, Octroi, Entry Tax, if any, shall be borne by the Purchaser. The buyers registered under the GST Act (Goods and Service Tax Act) are advised to send their GST registration number along with the Purchase Order.

Mode of Delivery

All deliveries will be Ex-works, Savali (Gujrat) , Pune (Maharashtra) or our supplier's works. The goods may be despatched in one or more lots at our option. In case any of the items is needed to be dispatched from our supplier's works for logistical reasons, we shall inform the same well in advance.

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**Packing and Forwarding**

Packing wherever necessary will be done by us in accordance with Thermax standard practice.

Inspection

Inspection (if applicable) should be mentioned in PO. The goods will be offered for visual inspection only, at our works/ our supplier's works. The date of inspection will be intimated by us about 15 days in advance. If inspection is not carried out on the date so advised, we shall be free to despatch the consignment as per the terms of delivery.

Delays in Payment

If Any delay in receipt of payment beyond the due dates, will entitle us to suspend further work under the order without any liability for delay in delivery and/or completion and to receive interest on the outstanding amount for the period of delay at a rate higher by two percent than the bank lending rate prevailing at that time.

Warehousing Clause

We reserve right to divert the ordered material if the goods are not lifted by buyer within 15 days of readiness. In case goods are diverted, we shall give fresh price & delivery which will be binding on the buyer and the contract cannot be rendered void on this account. If the goods cannot be diverted, we will levy warehousing charge at the rate of 1% of order value for each week or part there of commencing 15 days from the date of readiness. Warehousing charge is subject to a maximum of 5%.

Advances

Advances paid against an order shall not be subject to any interest. We shall have the right to adjust against such advance payments which might become due because of delay in lifting the ordered equipment or because of any incidental expenses we may incur on the buyer's behalf.

General Lien

We shall be entitled to general lien on goods in our possession or despatched for all money due to us from the purchaser, both under this contract or any other account, and we shall also be entitled to apply any money in our hands under any contract due to us under any other contract or contracts.

Excess / Wrong supply Materials

In case of excess/ wrong supply of any material, we shall replace the wrong one & take back the excess material from site.

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Warranty

All our equipment are thoroughly inspected before dispatch and therefore can be depended upon for long and trouble-free services. We undertake to make goods by replacement or repair, defects arising out of faulty design, materials or workmanship within 12 (Twelve) months of the date of commissioning or 18 (Eighteen) months from the date of dispatch whichever is earlier. The parts in respect of which a claim is made, must be sent to our or our supplier's works at buyer's expenses. If the claim is found to be legitimate, we shall refund such expenses.

Warranty Excludes

- a) Normal Wear & Tear
- b) Damages/defects due to wrong operation at the purchasers end, and/or arising out of forced major.

Bought out components are guaranteed by us only to the extent of guarantees given to us by our suppliers.

Electrical components such as heaters, motors, contactors etc. Rubber components and instruments such as pressure gauges, thermometers, combistats etc. are however, not covered under this warranty.

This warranty is valid subject to the following conditions:-

- a) Installation completed within three months from the date of dispatch of the equipment and as per our installation instructions
- b) Supervision of installation & Commissioning is done by Thermax India
- c) The supply/ installation formally accepted as per the handing over clause (below).
- d) Use of right fuel as per specification mentioned in our offer.
- e) The equipment being operated and maintained as per our Operation and maintenance Manual.
- f) The equipment or part thereof not being subject to accident, alteration, abuse or misuse.
- g) Any replacements/repairs required under provisions of the above warranty will be carried out at our's option either at site or at our or our supplier's works. In the latter case, Buyer will send the defective parts to our or our supplier's works at Buyer's cost & liability.
- h) Warranty period for the entire equipment including replaced or repaired parts will be limited to the unexpired portion of the total warranty period.
- i) Accessories and fittings not manufactured by us, form an integral part of the equipment supplied, the warranty for such accessories & fitting will be in line with main equipment.

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- j) If the purchaser delays to lift the equipment up its readiness, the warranty will be limited to 18 months from the date of readiness at our works.
- k) Any repair / replacement on our equipment during the warranty period shall be carried out by authorized representatives in writing from us.
- l) The warranty obligations will be honored by us provided Buyer have fulfilled obligations under the order relating to release of due payments, etc.

Commissioning

Commissioning services offered at the rate and terms mentioned in the quotation covers reasonable number of visits/ meetings to:

- a) Help in preparing the user to safely unload the material, when received.
- b) Discuss installation details in terms of physical and technical requirements.
- c) Make the user conversant with statutory requirements, if any.
- d) Discuss details of requirements in respect of power supply, feed water system, fuel system etc.
- e) Ensure that the installation has finally been made as recommended.
- f) Commission the unit for a short run from the point of view of mechanical working and to set various controls as necessary.
- g) Conduct demonstration for the purpose of user's education for equipment operation.

Handing Over

Unless otherwise specified in the order and accepted, handing over of the equipment and/or installation would be considered as a fulfilment of the contract and a formal completion certificate shall be issued by the purchaser / user if:

- a) The material has been supplied as per the terms of scope of supply or with agreed deviations, if any.
- b) Erection if involved has been completed generally as per the terms of order or with unavoidable deviations.
- c) The equipment has been commissioned, if applicable, generally as agreed or the equipment and/or Installation has been put to commercial use either with or without the help of our engineer. The purchaser/ user is expected to put the equipment to commercial use only after issuing a formal completion certificate.

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Our responsibility in terms of warranty shall cease straightaway if the equipment is put to use without formal taking over.

Consequential Damages

Neither party shall at any time be liable to the other for any loss of profits or any similar indirect damages, howsoever described, incurred or suffered by either party in respect of the project.

Force Majeure

The offer is subject to force majeure by which it means causes such as war, invasion, civil disobedience, government orders or restrictions, strikes, lock outs, riots, fires, epidemics, sabotages, trade embargoes, earthquakes, floods, accidents, breakdown of machinery, delay or inability to obtain labour, raw materials, wagons, shipping space or any other causes whatsoever beyond our reasonable control, affecting us or our sub-contractors, suppliers, etc.

Cancellation

Customer will not unilaterally cancel the order once Thermax has accepted it. In the event of order being cancelled by Customer with Thermax's consent, customer will liable to pay cancellation charges to Thermax, either proportional to order period up to the date of cancellation or the actual cost of work completed, whichever is higher, subject to minimum of 20% of the value of order. Customer will not have any claims over designs, drawings and material lying with Thermax, which after cancellation of order, will become M/s Thermax's property. Under no circumstances, cancellation of order is acceptable after expiry of 75% of supply duration/period."

Jurisdiction

All contracts between purchasers and ourselves are deemed to be entered into at Pune, and are, therefore, subject to the jurisdiction of courts at Pune.

Secrecy

All data, specifications and drawings submitted by us as a part of the order are proprietary in nature and will not be passed on by the Buyer to any third party, for whatever reason, without our written consent.



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**Arbitration**

In the event of any difference in the interpretation of these terms or dispute arising in executing the order, the same will be resolved by reference to two arbitrators under provision of Indian Arbitration Act, 1996.

Governing Laws

Indian Laws and Regulation shall govern execution of this project.

General

Any condition or other matters pertaining to this offer not expressly stipulated will be a matter of mutual discussions and agreement at the time of accepting the order.



Sr. No.	Item Description	Quantity
	MAIN HEATER	1 Set
1	One Heat Exchanger consisting of three concentric helical coils fabricated out of high temperature resistant (ERW) steel tubes along with the insulation and decorative cladding for the heat exchanger	
2	One Soot blower fitted in top cover for the online cleaning of the heat exchanger	
3	One Circular combustion chamber (MS fabricated structure) assembly consisting of - Fire & ash doors Grate bars	
	Note -	
	For Imported coal- High chrome grate bars are applicable,	
	Combustor refractory- Client Scope	
4	One Air pre-heater (APH) weldment to recover waste heat from flue gas & to improve the efficiency of the Heater	
	ANCILLARIES	1 Set
1	One Induced draft fan supplied along with motor, base frame, manual control damper and expansion joints	
2	One Forced draft fan supplied along with motor, base frame, manual control damper, canvas duct and with necessary flanges	
3	One (KSB make) Centrifugal type water circulation pump with Mechanical Seal, coupled to an electric motor, mounted on a common base frame	
4	One Expansion tank assembly provided with nitrogen blanketing system to take care of water expansion	
5	One Make up water pump	
	SET OF VALVES	1 Set
1	One Set of isolation valves for Pressure gauges and pressure switches	
2	One Safety relief valve on the heater outlet	
	SET OF INSTRUMENTS	1 Set
1	One Pressure indicator on the expansion tank to indicate blanketing pressure.	
2	One Pressure indicator on the nitrogen gas train to indicate inlet pressure.	
3	One Pressure switch on the expansion tank for blanketing pressure low safety.	
4	One Level switch on expansion tank for water level low safety.	
5	One Differential level switch on expansion tank for make up pump on/off.	

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SCOPE OF SUPPLY



6	One Set Differential pressure switch (Alarm) for low flow safety across Coil Heat Exchanger along with inlet, outlet pressure indicators.	
7	One Set of temperature element and temperature indicating switch to measure & stop heater (without Alarm) when temperature at the inlet of the heater is high.	
8	One Set of temperature element and temperature indicating switch to measure & stop heater (with Alarm) when temperature at the outlet of the heater is high.	
9	One Set of temperature element and temperature indicating switch to measure & give alarm when temperature at the outlet of the heater is high.	
	ELECTRICALS	1 Set
1	One Conventional type power cum control panel (IP 42 protection) with necessary Circuit breakers, Overload relays, Contactors and Controllers etc	
	SCOPE OF SERVICES	
1	The unit covered under this offer comes in semi-assembled/ fully assembled condition. Unloading and assembling at site of the heater, its accessories, mountings and fittings have to be done by the customer.	
2	The services of our Erection Engineer, who would offer guidance and supervision in this matter, would be available at the charge mentioned in this quotation.	
3	This service charge payable to us covers:	
3.1	DRAWINGS: Terminal point, GA Drawing, foundation details (not foundation design) electrical wiring diagram and P&I diagram.	
3.2	TECHNICAL DOCUMENTS: Installation / Operation and Maintenance Manual	
3.3	GUIDANCE ON: Selection & installation of heater house accessories and commissioning.	
3.4	TRAINING AT SITE: For purpose of user's education for equipment operation and maintenance.	
4	This service charge does not include:	
4.1	Labour (skilled and unskilled)	
4.2	Tools and tackles	
4.3	Utilities (including power, water, compressed air, fuel, gas etc.)	
4.4	Consumables etc.	
5	These are to be supplied by the user, as and when required, for unloading and assembling of the heater, its accessories, mountings and fittings, during erection and commissioning.	
6	This charge does not include fees payable for inspection of the heater and its accessories, if any. All such charges are to be paid by the purchaser	

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BATTERY LIMITS



Sr. No.	Battery Limits
	For details refer P&ID
	WATER LINE
1	Inlet and outlet flange of the heater
2	Inlet and outlet flange of water circulating pump.
3	Inlet and outlet flange of makeup water pump.
4	Inlet and outlet flange of pressure relief valve.
5	Inlet and outlet of all nozzles on expansion tank
	AIR & FLUEGAS LINE
1	Inlet and outlet of APH
2	Flue gas outlet of Unit
3	Inlet and outlet of Pollution control equipment.
4	Inlet and outlet of ID fan.
5	Inlet and outlet of FD fan.
6	Compressed air / Nitrogen gas inlet to the Nitrogen gas train
	FUEL & REFUSE
1	All firing and ash removal doors.
2	Outlet of all RAV's.
	ELECTRICALS
1	Inlet and outlet of Power cum control panel.
2	Inlet and outlet of individual instruments/equipments.
	COMPRESSED AIR
1	Inlet of individual equipment/instrument.



Sr. No.	Alarm & Interlock Schedule	Instrument \ Action
1	Differential pressure low across Heater	Differential Pressure Switch (DPSL) \ Alarm & heater trip
2	Pressure high at outlet of heater	Pressure Switch (PSH) \ Alarm & heater trip
3	Heater outlet water temperature High	RTD and TIS \ Heater trip w/o alarm
4	Heater inlet water temperature high	RTD and TIS \ Firing trip w/o alarm
5	System pressure high	Safety Relief valve \ Lift
6	Expansion Tank level low	Level Switch (LSL) \ Alarm & heater trip
7	N2 blanketing pressure is low in the expansion tank	Pressure Switch (PSL) \ Alarm & heater trip
8	Level in expansion tank High/low	Level switch (LC) \ Top up pump ON/OFF
	Note -	
1	Some of the boiler/heater safeties mentioned above may not be applicable for a particular model. Kindly refer PID for exact list of applicable alarms & interlocks.	

Sr. No.	Parameter	Specification
1	Ultimate Analysis (% weight basis)	Indian Coal
	Carbon (%)	44.6
	Hydrogen (%)	3.24
	Oxygen (%)	4.51
	Nitrogen (%)	1.01
	Sulfur (%)	0.55
	Ash (%)	36.39
	Moisture (%)	9.7
	Gross calorific value:	4500 kcal/kg (GCV)
	Size of coal	
	10 mm to 50 mm	More than 85 %
	50 mm & more	Less than 10 %
	Less than 10 mm	Less than 5 %
2	Ultimate Analysis (% weight basis)	Wood logs
	Carbon	: 36.71%
	Hydrogen	: 3.42 %
	Nitrogen	: 1.01%
	Sulphur	: 0.1%
	Moisture	: 25%
	Ash	: 4.32%
	Oxygen	: 29.89%
	Calorific value	: 3300 Kcal / kg (GCV)
	Size of Wood	: 40 mm x 200 mm ~ 60 mm x 250 mm
4	Ultimate Analysis (% weight basis)	Husk Briquette
	Carbon	41%
	Hydrogen	3.57%
	Nitrogen	0.42%
	Sulphur	0.13%
	Moisture	7%
	Ash	16.36%
	Oxygen	31.53%
	Calorific value (NCV)	3350 Kcal / kg
	Calorific value (GCV)	3650 Kcal / kg
	Size of Briquette	Dia 90mmX110mm
	Note –	
1	The output and other performance parameters of the boiler / heater specified in this offer hold good only if, fuel of the above specification is charged to the boiler. Any major variation in the specifications of the fuel will alter the performance parameters	

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PERFORMANCE CRITERIA



2	The customer has to ensure that the fuels fed are free from stones and other impurities Biomass briquette / Pellet should not contain any fouling constituents.	
3	Please refer back to us if fuel mentioned in Tech Specs is not available along with sample / analysis report of actual fuel available.	

Parameter	Specification
WATER	
Only de-mineralized or distilled water may be used. Condensate is not permitted	
A typical analysis is as given below	
Recommended water quality	
General requirement	Clear, colorless and free of suspended solids
Total hardness (ppm)	< 0.01
Conductivity at 25°C (mS/cm)	>50/<300
Ph value at 25°C	9-10.5
Silicic acid (SiO ₂) (mg/kg)	<4
Oxygen (mg/kg)	<0.02
Iron (Fe) (mg/kg)	<0.02
Total CO ₂ (mg/kg)	trace
Hydrocarbons	trace
Phosphates (PO ₄)(mg/kg)	2-6
EFFICIENCY	
Efficiency shall be demonstrated as per the standard BS: 845 Part 1 - indirect method.	
OTHER DESIGN CONDITIONS	
Ambient temperature	15 – 45°C
Altitude	600 m above mean sea level
POWER	
Supply voltage	3 ph, 4 wire, 415 / 380 + 6 % V and 50 + 3 % Hz
Control voltage	240 / 220 V, A.C., 1 ph
Note -	
In case there is fluctuation in the voltage supply we would advise use of a constant voltage transformer	

www.thermaxglobal.com
EXCLUSIONS

Sr. No.	Description
1	All water piping and drain piping from our terminal points.
2	Water storage tank.
3	All air and flue gas ducting including chimney.
4	All fuel and ash handling system and equipments.
5	All civil and foundation works required for the installation of the heater and its accessories.
6	All water piping, with stress analysis and drain piping, with structural supports, instruments etc. from our terminal points.
7	All Valves & Fittings on water line.
8	Electrical works from and up to our control panel, motors, instruments etc.
9	All structural platforms and ladders required for Operation and maintenance of the heater.
10	All insulation materials required for insulation of heater, ducting, piping etc.
11	All refractory materials and refractory lining works.
12	Labor, tools & tackles, utilities (Water, power, air, fuel etc.) and consumables required for erection and commissioning of the unit.
13	Spares required for operation and maintenance of the unit.
14	All statutory approvals if any needed.
15	Any other items not specifically mentioned in the offer.

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ADD ON
CYCLOMAX (CYC)

SCOPE
POLLUTION CONTROL EQUIPMENT - CYCLOMAX Cyclomax consisting of cyclones for dust separation; Rotary air lock valve with geared motor for continuous ash removal.
Note - All items shall be sent loose assembly to be done at site.
BATTERY LIMITS
- Inlet and outlet flange of cyclomax - Outlet of Rotary Airlock Valve
EXCLUSIONS
- Supporting structure for cyclomax

TECHNICAL PROPOSAL OF CHIMNEY & BALANCE OF PLANT (BOILER HOUSE ONLY):**1. BASIS OF DESIGN AS PER ENQUIRY REFERENCE:**

The scope of supply covers design supply and erection of accessories required to erect and commission the Hot Water Generator based on the following enquiry references.

1. Installation of 1 nos. Hot Water Generator (10LKcal/Hr) along with APH & Cyclone & all mounting fittings & accessories with new 1 nos. TF Circulation pump, & one expansion & D/E tank.(Boiler House)
3. Supply & erection of New Chimney of top Dia 500mm .

2. SCOPE OF SUPPLY & WORK (TECHNICAL DETAILS) :

SL NO	DESCRIPTION	Size	Approx Qty.
A	CHIMNEY Supply of 500 mm dia X 30.5 mtr. High self supported chimney with 25mm base plate & body of 10mm , 8mm & 6mm thick MS plate. Along with two nos. platforms and ladder with fencing and one coat Al paint outside. Also includes Base template, Foundation Bolts , nut bolts, Lightning Arrestor , clamps for lightning arrestor.	Top Dia 700mm, height 30.5mtr	8500 kg

SI	Description	UOM	Qty
1	SUPPLY & ERECTION OF FLUE GAS DUCT (IS:2062,4mm thk)	KG	5000
	1. Flue gas Duct from VTCy unit to APH		
	2. APH to Cyclone		
	3. cyclone to ID fan		
	4. ID fan to Chimney		
2	SUPPLY & ERECTION OF COMBUSTION AIR DUCT (IS:2062,3mm)	KG	3000
	1. FD fan to APH		
	2. APH to VTCy Unit Primary & Secondary Air duct		
3	SUPPLY OF HWG OVERFLOW TANK	NO.	1
	1. Fabrication & supply of 1KL Hot water Overflow tank of 5mm thick MS sheet.		
6	SUPPORT STRUCTURE & PLATFORM	KG	3000
	1. Supports for D/E tank & TF pipeline		
	2. Structure, ladder for Cyclone, Ducting		
7	ERECTION JOB**	LOT	1
	1. Erection of VTCy unit, D/E tank, APH, TF circulation pumps.		
	2. Erection of MDC,, ID fan, Chimney		
	3. Installation of instruments supplied with units.		

3. EXCLUSIONS

1. REFRACTORY & INSULATION (EXTRA CHARGE).
2. HYDRA charges for lifting of heavy material.
3. Supply of Control valves of the process.
4. All civil jobs like foundation of equipment, supports foundation, trenches for pipe and cables and providing insert plate on civil column.
5. Any Electrical job for Motors & Instruments.
6. Safe storage for keeping valves and fittings.
7. Earth pit and earthing from control panel to earth pit.
8. If any statutory clearance like PCB, explosive (CCOE) etc.
9. Spares for installation, operation and maintenance.
10. Auto Fuel feeding arrangement.
11. Hot Water Process line & Return Line with Insulation.



OFFICE & WORK ADDRESS:-
DR. B C ROY ROAD, JOYENPUR
KOLKATA 700151
033-2477-2002/9674430915
info@pcspanel.com
www.pcspanel.com

December 24th, 2022

PCS/GGB/2022-23/287/R2

To,
Gangotri Green Products LLP
Mouja : Khalisani, Uluberia II,
Khalisani Gram Panchayet,
PO : Khalisani, PS : Uluberia Rajapur
Howrah : 711307

Kind Attention: Madam Maitry Bhandary

Sub: Offer Of LT Panels.

Respected Madam,

With reference to above we are submitting herewith our most competitive offer for your kind consideration and acceptance.

Thanking you,

Yours faithfully,

For, Power Control Solution.

(A CPRI Approved Panel Manufacturer)

(A.SAMANTA)
7001903938



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A) Constructional Features:-

1. Non Drawout Panel Fabricated from CRCA sheet.
2. Load bearing member thickness 2mm & non-load bearing member thickness 1.6mm thick.
3. Gland Plate 2mm sheet.
4. Sheet steels are duly treated by 10 tank chemical treatment process.
5. Paint done through powder coating process thickness 70 micron.
6. Standard color Siemens grey (RAL 7032) for body and base plate orange.
7. Base channel provided.
8. Designed as per comfortable shipping section for transportation and loading un-loading.
9. Lifting hook provided for light panel and bottom lifting arrangement for heavy panels.
10. Breaker handling trolley can be provided with extra cost.
11. FRP sheet used for busbar support.
12. All live busbars are covered with FRP.

Busbar Arrangement :- Aluminum

B) Main busbar from top or bottom as per customer specification.

1. Electrolytic grade aluminum E91 are used for busbar with color coded PVC sleeve. Current density considered 1A/sq. mm.
2. G.I. earthing busbar (50X6mm GI) are provided for free standing panels and earthing bolts are provided for smaller DBs.
3. If specified control bus provided with control transformer otherwise control circuit provided from bus with proper fuse or MCB protection.



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- C) Fire retardant PVC cable used for control wiring of size 1sq.mm. with properly lug & sleeve and printed ferrules and 2.5sq.mm. for power. All wires are 1.1kV grade.
- D) Power cables are selected as per cable manufacturer chart as per required load.
- E) Terminal block provided are push type or screw type as per customer choice.
- F) Power terminal used are of reputed make.
- G) Rubber gaskets are used.
- H) Below IP55, louver provided.
- I) Until and otherwise mentioned all C.T.s are tape-wound type.
- J) All indication Lamps are LED type.
- K) All other equipments are as per our bill of material.
- L) Anodized aluminum inscription plates are provided for each feeder.



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1. PRICE & COMMERCIAL TERMS & CONDITIONS:-

SL. NO.	ITEM DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1	SUPPLY OF COMMON AREA DIST. BOARD FOR RESIDENTIAL TOWER	1	1,69,000.00	1,69,000.00
2	SUPPLY OF FIRST FLOOR MAIN DIST. BOARD	1	1,30,000.00	1,30,000.00
3	SUPPLY OF MAIN DG POWER DISTRIBUTION PANEL	1	3,81,000.00	3,81,000.00
4	SUPPLY OF SUB DG POWER DISTRIBUTION PANEL-1 FOR TOWER	1	2,02,500.00	2,02,500.00
5	SUPPLY OF SUB DG POWER DISTRIBUTION PANEL-2 FOR TOWER	1	1,99,000.00	1,99,000.00
6	SUPPLY OF EXTERNAL FEEDER PILLAR	1	41,000.00	41,000.00
7	SUPPLY OF ATS ENCLOSURE FOR FIRE PANEL	1	92,000.00	92,000.00
8	SUPPLY OF JB WITH TERMINAL BLOCK (FOR TAP-OFF-POWER FOR LIFT WELL & FLOOR)	79	1,240.00	97,960.00
			TOTAL	13,12,460.00

2. COMMERCIAL TERMS :-

- The above basic prices are ex-works Kolkata with plastic wrapper packing. Loading shall be arranged by us. Unloading not in our scope.
- Taxes & Duties: 18% GST Extra. (GST No : 19AANFP8325Q1Z8)
- Insurance: Shall be arranged by you.
- Warranty Period: 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.
- Inspection: Shall be inspected at our works.
- Drawing: Shall be submitted within 7days from the date of LOI/ order.
- Delivery: Within 8-10 weeks from the date of manufacturing clearance.
- Payment: 40% of basic price along with order, balance 60% of basic price along with 100% taxes shall be paid after inspection before delivery against proforma invoice.
- Offer Validity: 15days.
- Service Charge : First Day of Service will be free , next services & additional man-days will be charged Rs.5,500/- + GST extra per Man-Day basis. To & Fro, Food, Lodging should be arranged by you at site
- Bank Details : (a) Bank Name : Axis Bank Ltd.
(b) A/c No : 921020018010200
(c) Branch & IFS Code : Boral Branch , UTIB0001221

ACCOMPLISHED BY:-D.DHALI

POWER CONTROL SOLUTION
DATE-24.01.2023

BILL OF MATERIALS FOR LT ELECTRICAL PANELS				
1 COMMON AREA DIST. BOARD FOR RESIDENTIAL TOWER				
SL NO	DESCRIPTION	MAKE	TAG	QTY
A INCOMER				1
1	125A 4P AUTO TRANSFER SWITCH WITH CONTROLLER	L&T	ATS	1
2	125A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	1
3	ROTARY HANDLE	LEGRAND	MCCB ACC R	1
4	125/5A. CL-1, 5VA TAPE WOUND TYPE CT	PCS	CT	3
5	CL1 1PH DIGITAL AMMETER	LEGRAND	AM	1
6	AMMETER SELECTOR SWITCH	SALZER	AM SL	1
7	CL1 1PH DIGITAL VOLTMETER	LEGRAND	VM	1
8	VOLTMETER SELECTOR SWITCH	SALZER	VM SL	1
9	INDICATION LAMP(R,Y,B) 240V AC LED TYPE	STRONGER/JIGO	IL	3
10	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	3
11	NEUTRAL LINK	REPUTED	NL	1
B OUTGOINGS				
1 80A MCCB OUTGOING FOR PHE LOAD				1
1	80A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	1
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	1
3	AUXILIARY CONTACT	LEGRAND	MCCB ACC A	1
4	INDICATION LAMP(ON,OFF) 240V AC LED TYPE	STRONGER/JIGO	IL	2
5	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	1
6	NEUTRAL LINK	REPUTED	NL	1
2 63A MCCB OUTGOING FOR LIET FEEDER				4
1	63A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	4
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	4
3	AUXILIARY CONTACT	LEGRAND	MCCB ACC A	4
4	INDICATION LAMP(ON,OFF) 240V AC LED TYPE	STRONGER/JIGO	IL	8
5	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	4
6	NEUTRAL LINK	REPUTED	NL	4
3 MCB FEEDER				
1	40A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	6
2	32A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	8
3	10A 10KA C-CURVE DP MCB	LEGRAND	MCB DP	6
4	32A 10KA C-CURVE DP MCB	LEGRAND	MCB DP	1
150A ALUMINIUM BUSBAR				
INDOOR PANEL				
2 FIRST FLOOR MAIN DIST. BOARD				
SL NO	DESCRIPTION	MAKE	TAG	QTY
A INCOMER				1
1	160A 4P AUTO TRANSFER SWITCH WITH CONTROLLER	L&T	ATS	1
2	160A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	1
3	ROTARY HANDLE	LEGRAND	MCCB ACC R	1
4	SPREADER LINK	LEGRAND	MCCB ACC TP SL	1
5	160/5A. CL-1, 5VA TAPE WOUND TYPE CT	PCS	CT	3
6	CL1 1PH DIGITAL AMMETER	LEGRAND	AM	1
7	AMMETER SELECTOR SWITCH	SALZER	AM SL	1
8	CL1 1PH DIGITAL VOLTMETER	LEGRAND	VM	1
9	VOLTMETER SELECTOR SWITCH	SALZER	VM SL	1
10	INDICATION LAMP(R,Y,B) 240V AC LED TYPE	STRONGER/JIGO	IL	3
11	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	3
12	NEUTRAL LINK	REPUTED	NL	1
B OUTGOINGS				
1 MCB FEEDER				
1	63A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	2
2	40A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	6
3	32A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	5
4	20A 10KA C-CURVE DP MCB	LEGRAND	MCB DP	2
200A ALUMINIUM BUSBAR				
INDOOR PANEL				

POWER CONTROL SOLUTION
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3 MAIN DG POWER DISTRIBUTION PANEL				
SL NO	DESCRIPTION	MAKE	TAG	QTY
A INCOMER				1
1	800A 4P 50KA EDO MP BASED ACB WITH O/L, S/C & E/F RELEASE HAVING ADJUSTABLE TIME AND CURRENT SETTING	LEGRAND	ACB	1
2	MICROSWITCH FOR COMMON INDICATION OF O/L & S/C	LEGRAND	ACB ACC MICRO	1
3	AUXILIARY CONTACTOR 2NO+2NC COIL- 240V AC	LEGRAND	AUX CONT	1
4	RESET PUSH BUTTON	STRONGER/JIGO	PB	1
5	TNC SWITCH	SALZER	TNC	1
6	AUTO MANUAL SELECTOR SWITCH	SALZER	SL SW	1
7	800/5A, CL-1.0, 15VA TAPE WOUND TYPE CT	PCS	CT	3
8	INTELLIGENT PANEL MULTI FUNCTION METER (MFM) WITH V, A, PF, KVA, KVAR, KW, KWH, KVARH, THD READING	LEGRAND	MFM	1
9	CL1 1PH DIGITAL AMMETER	LEGRAND	AM	1
10	AMMETER SELECTOR SWITCH	SALZER	AM SL	1
11	CL1 1PH DIGITAL VOLTMETER	LEGRAND	VM	1
12	VOLTMETER SELECTOR SWITCH	SALZER	VM SL	1
13	INDICATION LAMP(R,Y,B,ON,OFF,TRIP) 240V AC LED TYPE	STRONGER/JIGO	IL	6
14	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	4
15	NEUTRAL LINK	REPUTED	NL	2
B OUTGOINGS				
1 400A MCCB OUTGOINGS				4
1	400A TP+NL 36KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	4
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	4
3	SPREADER LINK	LEGRAND	MCCB ACC SL	8
4	AUXILIARY + TRIP ALARM CONTACT	LEGRAND	MCCB ACC A+T	4
5	INDICATION LAMP(ON,OFF,TRIP) 240V AC LED TYPE	STRONGER/JIGO	IL	12
6	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	4
7	NEUTRAL LINK	REPUTED	NL	4
1000A ALUMINIUM BUSBAR				
OUTDOOR PANEL				
DOUBLE DOOR WITH TOP CANOPY				
4 SUB DG POWER DISTRIBUTION PANEL-1 FOR TOWER				
SL NO	DESCRIPTION	MAKE	TAG	QTY
A INCOMER				1
1	400A TP+NL 36KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	1
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	1
3	SPREADER LINK	LEGRAND	MCCB ACC SL	2
4	AUXILIARY + TRIP ALARM CONTACT	LEGRAND	MCCB ACC A+T	1
5	400/5A, CL-1, 15VA TAPE WOUND TYPE CT	PCS	CT	3
6	CL1 DIGITAL KWH METER	LEGRAND	KWH	1
7	CL1 1PH DIGITAL AMMETER	LEGRAND	AM	1
8	AMMETER SELECTOR SWITCH	SALZER	AM SL	1
9	CL1 1PH DIGITAL VOLTMETER	LEGRAND	VM	1
10	VOLTMETER SELECTOR SWITCH	SALZER	VM SL	1
11	INDICATION LAMP(R,Y,B,ON,OFF,TRIP) 240V AC LED TYPE	STRONGER/JIGO	IL	6
12	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	4
13	NEUTRAL LINK	REPUTED	NL	2
B OUTGOINGS				
1 125A MCCB OUTGOING FOR PHE LOAD				2
1	125A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	2
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	2
3	AUXILIARY CONTACT	LEGRAND	MCCB ACC A	2
4	INDICATION LAMP(ON,OFF) 240V AC LED TYPE	STRONGER/JIGO	IL	4
5	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	2
6	NEUTRAL LINK	REPUTED	NL	2
2 16A MCB WITH ACCL OUTGOINGS				37
1	16A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	37
2	16A/16A AUTOMATIC CHANGEOVER CURRENT LIMITER (NOT IN PCS SCOPE OF SUPPLY	REPUTED	ACCL	37
3 25A MCB WITH ACCL OUTGOINGS				2

POWER CONTROL SOLUTION
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1	25A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	2
2	25A/25A AUTOMATIC CHANGEOVER CURRENT LIMITER (NOT IN PCS SCOPE OF SUPPLY)	REPUTED	ACCL	2
	400A ALUMINIUM BUSBAR			
	INDOOR PANEL			
5	SUB DG POWER DISTRIBUTION PANEL-2 FOR TOWER			
SL NO	DESCRIPTION	MAKE	TAG	QTY
A	INCOMER			1
1	400A TP+NL 36KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	1
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	1
3	SPREADER LINK	LEGRAND	MCCB ACC SL	2
4	AUXILIARY + TRIP ALARM CONTACT	LEGRAND	MCCB ACC A+T	1
5	400/5A, CL-1, 15VA TAPE WOUND TYPE CT	PCS	CT	3
6	CL1 DIGITAL KWH METER	LEGRAND	KWH	1
7	CL1 1PH DIGITAL AMMETER	LEGRAND	AM	1
8	AMMETER SELECTOR SWITCH	SALZER	AM SL	1
9	CL1 1PH DIGITAL VOLTMETER	LEGRAND	VM	1
10	VOLTMETER SELECTOR SWITCH	SALZER	VM SL	1
11	INDICATION LAMP(R,Y,B,ON,OFF,TRIP) 240V AC LED TYPE	STRONGER/JIGO	IL	6
12	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	4
13	NEUTRAL LINK	REPUTED	NL	2
B	OUTGOINGS			
1	125A MCCB OUTGOING FOR PHE LOAD			2
1	125A TP+NL 25KA TM BASED MCCB WITH O/L & S/C RELEASE	LEGRAND	MCCB	2
2	ROTARY HANDLE	LEGRAND	MCCB ACC R	2
3	AUXILIARY CONTACT	LEGRAND	MCCB ACC A	2
4	INDICATION LAMP(ON,OFF) 240V AC LED TYPE	STRONGER/JIGO	IL	4
5	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	2
6	NEUTRAL LINK	REPUTED	NL	2
2	16A MCB WITH ACCL OUTGOINGS			36
1	16A 10KA C-CURVE 4P MCB	LEGRAND	MCB 4P	36
2	16A/16A AUTOMATIC CHANGEOVER CURRENT LIMITER (NOT IN PCS SCOPE OF SUPPLY)	REPUTED	ACCL	36
	400A ALUMINIUM BUSBAR			
	INDOOR PANEL			
6	EXTERNAL FEEDER PILLAR			
SL NO	DESCRIPTION	MAKE	TAG	QTY
A	INCOMER			1
1	32A 10KA C-CURVE 4P MCB	LEGRAND	4P MCB	1
2	32A FP POWER CONTACTOR COIL-240V AC (AC1 DUTY)	LEGRAND	4P POWER CONT.	1
3	2NO+2NC ADD ON BLOCK FOR POWER CONT. COIL-240V AC	LEGRAND	POWER CONT. ACC	1
4	TIMER SWITCH (SYNCHRONOUS TIMER)	LEGRAND	TIMER	1
5	AUTO MANUAL SELECTOR SWITCH	SALZER	SL SW	1
6	PUSH BUTTON START & STOP	STRONGER/JIGO	PB	2
7	INDICATION LAMP (ON,OFF,R,Y,B) 240V AC LED TYPE	STRONGER/JIGO	IL	5
8	6A 10KA C-CURVE SP MCB	LEGRAND	SP MCB	1
9	NEUTRAL LINK	REPUTED	NL	1
B	PH-FEEDER			3
1	32A DP RCCB (30mA)	LEGRAND	RCCB	3
B	OUTGOINGS			
1	MCB OUTGOINGS			
1	6A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	12
2	20A 10KA C-CURVE SP MCB	LEGRAND	MCB SP	6
	32A ALUMINIUM BUSBAR			
	OUTDOOR PANEL			
	DOUBLE DOOR WITH TOP CANOPY			
	NON COMPARTMENTELISED			

POWER CONTROL SOLUTION
DATE-24.01.2023

7	ATS ENCLOSURE FOR FIRE PANEL			
SL NO	DESCRIPTION	MAKE	TAG	QTY
A	ATS			1
1	400A 4P AUTO TRANSFER SWITCH WITH CONTROLLER	L&T	ATS	1
2	INDICATION LAMP (R.Y.B) 240V AC LED TYPE	STRONGER/JIGO	IL	6
3	6A 10KA C-CARVE SP MCB	LEGRAND	SP MCB	6
4	NEUTRAL LINK	REPUTED	NL	2
	400A ALUMINIUM BUSBAR			
	INDOOR PANEL			
8	JB WITH TERMINAL BLOCK (FOR TAP-OFF-POWER FOR LIFT WELL & FLOOR)			
SL NO	DESCRIPTION	MAKE	TAG	QTY
A	TERMINALS			
1	4 WAY STUD TYPE TERMINAL	REPUTED	TERMINAL	1
	SIZE- (200X200X75MM)			
	INDOOR PANEL			

QUOTATION

QUOTATION

Sansum Infotech 121 Netaji Subhas Road 6th Floor Kolkata 700001 Ph: 9339124365 / 8100824365 GSTIN/UIN: 19ARLPS0944H1ZD State Name : West Bengal, Code : 19 E-Mail : sansuminfotech@gmail.com		Invoice No. : e-Way Bill No SIN5622202157 Delivery Note Reference No. & Date Buyer's Order No. Dispatch Doc No. Dispatched through Vessel/Flight No. City/Port of Loading Terms of Delivery		Dated 30-Dec-22 Mode/Terms of Payment Other References Dated Delivery Note Date Destination Place of receipt by shipper City/Port of Discharge	
Consignee (Ship to) GANGOTRI GREEN PRODUCTS LLP MOUJA KHALISANI, ULUBERIA II, KHALISANI GRAM PANCHAYAT, PO KHALISANI PS ULUBERIA RAJAPUR, State Name : West Bengal, Code : 19 Buyer (Bill to) GANGOTRI GREEN PRODUCTS LLP MOUJA KHALISANI, ULUBERIA II, KHALISANI GRAM PANCHAYAT, PO KHALISANI PS ULUBERIA RAJAPUR, State Name : West Bengal, Code : 19 Place of Supply : West Bengal					

S	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	NextGeneration Unit of Computing (NUC) CORE3/RYZEN3 WITH 8GB RAM 512 SSD NVME WINDOWS 10 PRO	84733090	5 NOS	30,000.00	NOS	150,000.00
2	Keyboard & Mouse CORDLESS	8471	5 Pc	1,600.00	Pc	8,000.00
3	22" MONITOR	8528	5 NOS	6,400.00	NOS	32,000.00
4	PRINTER (8421) PANTUM 7102DN PRINT SCAN COPY DUPLEX NETWORK ADF OEM WARRANTY	8421	1 Pc	19,500.00	Pc	19,500.00
						209,500.00
						CGST
						18,855.00
						SGST
						18,855.00
Total						₹ 247,210.00
Amount in words INR Two Hundred Forty Seven Thousand Two Hundred Ten Only						
Company's PAN : ARLPS0944H Please pay by A/c Payee's Bank Details Bank Name : Karur Vysya Bank Limited A/c No. : 3101135000016894 Branch & IFS Code : KOLKATA BURRABAZAR & KVBL0003101 for Sansum Infotech Authorised Signatory						

SUBJECT TO KOLKATA JURISDICTION

This is a Computer Generated Invoice





C&B ECOGEN PVT. LTD.

CIN No. : U29253WB2011PTC171101
 Regd. Office : 454 Sreerampur Road (East), Aranyak Apartment, Block-III, 2nd Floor,
 Flat No.- A2, Garia, Kolkata - 700 084
 Mktg. & Admn. Office : Srishti Apartment, Ground Floor, 120/1 Kendua Main Road, Garia Patuli, Kol-84
 Mob. : 9830212111/8697733126, Email : info@cbecogen.com, Website : www.cbecogen.com
 AN ISO 9001 : 2015 & ISO 14001 : 2015 CERTIFIED S.S.I. UNIT



Offer No.: CB/COM/2022-23/AK/288

Date: 25.01.2023

To,
M/s. Gangotri Green Products LLP
Mouja-Khalisani, Uluberia II, Khalisani Gram Panchayat, P.O- Khalisani,
PS-Uluberia, Rajapur, Howrah – 711307.

Kind Attn.: **Mr. Kushal Saraf (Mob.: +91 9836761467).**

Sub: Your requirement of 1X125 KVA Volvo-Eicher Powered silent DG set & 2X125 KVA Oil Cooled Servo Stabilizer .

Respected Sir,

This is with reference to your requirement of D.G. Set.

As desired, we are submitting our Very Special Techno-Commercial Proposal, for your kind perusal , with a hope to get a chance to render our best services.

In this context, we are pleased to introduce ourselves as the Auth. Sales and Service Dealer of

- **VOLVO-EICHER-VECV (A Volvo Group & Eicher Motor J.V.)** for Industrial Application & Silent D.G. Sets available from 30 KVA to 160 KVA.
- **COOPER CORPORATION** for **COOPER** Silent D.G. Sets with the technology from **Ricardo U.K.** , available from 5 KVA to 250 KVA.
- **FORCE-MTU (A Joint Venture of Force Motors, India and Rolls-Royce, Germany)** for D.G. Sets available from 450 KVA to 650 KVA with MTU Engines, coming shortly upto 1010 KVA.
- **SUPERNOVA ENGINEERS LIMITED**, for Silent D.G. sets Powered by **VOLVO PENTA(Sweden)** & **PERKINS (U.K.) & Mpower** engines, available from 250 KVA to 2250 KVA.

We also provide the following services in addition to Supply of Gen Set:-

- ❖ 24x7 – Service Engineer Backup, Emergency Services, Annual Service Contracts..
- ❖ Installation & Commissioning.
- ❖ Major & minor overhauls.
- ❖ Workshop facilities.
- ❖ Facility for repair & Manufacturing of Electrical Panels, Synchronising Panels, Sound- Proof Enclosures.
- ❖ Stocking of spare parts with our Multiple Service Centres and Offices..
- ❖ Consultancy on selection of equipment and system engineering for special customer needs & adopting and providing any new technology in this field.
- ❖ Undertake total Turnkey Jobs.

Auth. Sales & Service Distributor of





C&B ECOGEN PVT. LTD.

CIN No. : U29253WB2011PTC171101
 Regd. Office : 454 Sreerampur Road (East), Aranyak Apartment, Block-III, 2nd Floor,
 Flat No.- A2, Garia, Kolkata - 700 084
 Mktg. & Admn. Office : Srishti Apartment, Ground Floor, 120/1 Kendua Main Road, Garia Patuli, Kol-84
 Mob. : 9830212111/8697733126, Email : info@cbecogen.com, Website : www.cbecogen.com
 AN ISO 9001 : 2015 & ISO 14001 : 2015 CERTIFIED S.S.I. UNIT



We trust you will find our Proposal in line with your requirement & We will get a chance to serve with our best capabilities.

For any further clarification/information in this regard, kindly do not hesitate to contact us.

Thanking you and assuring you of our best services at all times,

Yours faithfully,
 for **C&B ECOGEN PVT. LTD.**,

Avijit Karmakar (Mob. +91 8697733125),
Asst. Manager (Marketing).

Encl.: as above.

Auth. Sales & Service Distributor of



A Joint Venture of Force Motors and Rolls-Royce



Powered by **VOLVO PENTA**



C&B ECOGEN PVT. LTD.

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ANNEXURE – I. COMMERCIAL OFFER.

To supply CPCB II TYPE TESTED SOUND PROOF Diesel Generating Set , 1500 RPM directly coupled to Leroy Somer / Meccalte Alternator, 3 Phase, 415 Volts, 0.8 p.f. 50 Hz along with D.G. Control Panel with AMF Logic, MCCB with Fuel Tank, Residential Silencer, Anti-Vibration Mountings Pads, Batteries, Battery Leads.

PRIME KVA / KW	ENGINE MAKE & MODEL	ENGINE MADE IN	QNTY.	VERY SPECIAL DISCOUNTED PRICE PER SET, F.O.R. HOWRAH WITHOUT GST (In Rs.).	GST @18%	TOTAL PRICE F.O.R. HOWRAH WITH GST
125 KVA / 100 KW	VOLVO-EICHER EE694TCI 156	INDIA	1	8,05,084.75/-	1,44,915.25	9,50,000/-

• Price of 125 KVA oil cooled servo stabilizer (Make-ARC) with input voltage range 210v_450v for 3 locations 280_450v for maximum locations output voltage_440v: (Rs.4,00,000/- +Freight+GST@18%) X2 Nos.= Rs.8,00,000/-+Freight+GST@18%.

TERMS & CONDITIONS:

Prices	: F.O.R. Howrah.
GST	: As mentioned above.
Delivery	: Within 2-4 weeks, from the date of receipt of your Order & advance.
Payment Terms	: 30% advance along with P.O. and balance against Proforma Invoice on readiness , before despatch from Principal Works.
Freight / Insurance of DG set	: INCLUDED.
Unloading	: Extra, at actual.
Warranty of DG set	: Two years or 5,000 running hours, whichever is earlier from the date of commissioning.
Warranty of oil cooled servo Stabilizer	: One year from the date of commissioning.
Validity	: 30 days from the date of offer.

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 Mob. : 9830212111/8697733126, Email : info@cbecogen.com, Website : www.cbecogen.com
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WARRANTY:

We warrant each GEN SET & components thereof manufactured by us & its respective principals to be free from defects in materials and workmanship for a period mentioned as per engine manufacturer.

The warranty covers the cost of replacing defective parts or of having such parts repaired or of obtaining equivalent parts whichever is the lowest. A defective part or product in the sense of this warranty is a part or product that is found to have an inherent defect which existed in it at the time of delivery.

This warranty does not cover parts or products damaged during transportation, installation or repair, or through abnormal use, over load, carelessness, insufficient lubrication, normal wear, use of spare parts other than genuine parts, or through any type of incorrect installation, abuse, misuse, accident, or through neglect or failure to follow instruction in the applicable owners manual, maintenance instructions or installation instruction. The warranty is void if the user has taken abnormal risks or if modifications have been performed which in the judgment of O.E.M. and its respective principals have caused or enhanced the damage or if seals have been broken or settings altered or if the part or product has been used in violation of the law or for a clearly unintended purpose.

The warranty does not cover any incidental, consequential or related costs such as costs for traveling, transport, extra costs due to the installation in making the products accessible, docking and cranes, loss of use, loss of income, loss of time, loss of property, personal injury, or damages on other parts or goods than the indicated products delivered by O.E.M. & its respective principals.

NOTE:

Equipment specifications & the prices offered are subject to change without notice. The price, duty & tax prevailing at the time of delivery of GEN SETS from our respective works will be applicable irrespective of when the order was placed, accepted or payment received.

EXCLUSIONS:

- All civil works such as ground leveling construction of Gen Set platform, construction of generator room, cable trenches and other allied installation works are excluded from our scope of responsibility.
- Electrical Cabling Work, Exhaust Piping, Cable Terminations, Earthings and Earthing Connections are excluded from our scope of responsibility.
- Necessary statutory approval from the concerned Government Authorities for installation and running of D.G. Set shall have to be arranged by the Customer.

INSTALLATION & COMMISSIONING:

We shall depute our Service Engineers to your site for free supervision of installation and commissioning of D.G. Set on your confirmation that the site is ready and all arrangements have been completed for installation of the set. You shall provide required manpower and consumables (which is in your scope) for completion of installation work.

Auth. Sales & Service Distributor of





C&B ECOGEN PVT. LTD.

CIN No. : U29253WB2011PTC171101
 Regd. Office : 454 Sreerampur Road (East), Aranyak Apartment, Block-III, 2nd Floor,
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 Mob. : 9830212111/8697733126, Email : info@cbecogen.com, Website : www.cbecogen.com
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You shall also be required to arrange and provide free boarding, lodging and transport to our Service Engineers to enable them to carry out installation work of D.G. Set (for remote outstation sites only).

Yours faithfully,
 for C&B Ecogen Pvt. Ltd.,

Avijit Karmakar (Mob. +91 8697733125),
 Asst. Manager (Marketing).

Auth. Sales & Service Distributor of




A Joint Venture of Force Motors and Rolls-Royce



A copy of the recommendation letter from West Bengal Fire & Emergency Services

Annexure – 3/5



Government Of West Bengal
Office Of The Director General
West Bengal Fire & Emergency Services
13D, Mirza Ghalib Street, Kolkata - 16

Memo no.:FSR/0225186231300278 Date: 02-06-2023

From:
Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services

To: M/S GANGOTRI GREEN PRODUCT LLP
KHATIAN NO.-4243, DAG NO.-2235,2236,2252,2253,2255, J.L. NO.- 96, MOUZA-KHALISANI

Sub: Fire Safety Recommendation for Proposed Three Storied Industrial building plan with An Additional Floor of Asbestos Shed & Another Three Storied Industrial Building of "Flyric Concrete Creations Pvt. Ltd." under group Industrial Occupancy at Premises no- Mouza.- Khalisani, Khatian no.- 4243, Dag no.- 2235, 2236, 2252, 2253, 2254, 2255, J.L. No.- 96, P.S.- Uluberia, District.- Howrah, West Bengal, India.

Application Reference : OSWP(Shilpasathi) (CAF-CAF2023144119) received on 28-04-2023 regarding the Fire Safety Recommendation for Proposed Three Storied Industrial building plan with An Additional Floor of Asbestos Shed & Another Three Storied Industrial Building of "Flyric Concrete Creations Pvt. Ltd." under group Industrial Occupancy at Premises no- Mouza.- Khalisani, Khatian no.- 4243, Dag no.- 2235, 2236, 2252, 2253, 2254, 2255, J.L. No.- 96, P.S.- Uluberia, District.- Howrah, West Bengal, India.

The plan submitted by you was scrutinized and marked as found necessary from Fire Safety point of view. In returning one set of plan with recommendation, this is issuing Fire Safety Recommendation in favor of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:
CONSTRUCTION:

- No asbestos shed is allowed. It has to be RCC roof with both stair reaching to roof.
- The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
- The floor area exceeds 750 m2 shall be suitable compartmented by separation walls up to ceiling level having at least Two hours Fire resisting capacity
- The interior finish decoration of the building shall be made of no- flame spread materials conforming to I.S. specifications.
- Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- Arrangements shall have to be made for sealing all the vertical & horizontal ducts by the materials of adequate Fire resisting capacity & the doors of service ducts / shafts of 2hr. Fire rating.

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•The areas having storage, hazardous activities shall be separated from non hazardous area like Administrative office, staff canteen Etc by fire rated walls /doors of 120 Min fire Resistance Rating.

OPEN SPACE & APPROACH:

•The open spaces surrounding the building marked or shown shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire Appliances with turning facility.

•The approach road shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.

•The width and height of the access gates into the premises shall not be less than 4.5 and 5 M respecting abutting the road.

•Drive way should be free from any type of obstruction. No parking will be allowed on the drive way.

•All the passage way should be kept clear for free access.

STAIRCASE:

•The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / RCC type having Fire Resisting Capacity not less than 4 hours.

•The staircase of the building shall have permanent vents at the top and open able sashes at each floor level in the external wall of the building.

•The width of the Staircase shall be made as shown in the plan. Corridors and the exit doors shall conforming the relevant building rules and well as rules of the cinematograph act. With up to date amendments.

•All the staircases shall be extended up to terrace of the building and shall be negotiable to each other without entering into any room.

•The entire staircase shall be extended up to terrace of the building and shall be negotiable to each floor level without entering into any room. The roof of the Stair wall shall be Min. 1 M above the surrounding roof Area.

•Fire and Smoke doors at the entrances of all the Staircase enclosures as marked/approved in the plan at each floor level shall be provided. The F.C.D. shall be of at least one 02 hours Fire resisting wire glass window fitted with self closing type open able in the direction of escape.

•Considering the staircase are only means of evacuation, Emergency Lighting Arrangement, Directional & Exit signage Etc. shall be made conforming the relevant I.S. Code in this regard

LIFT :-

•The walls of the lift enclosure shall be at least two hours Fire Resisting type.

•Collapsible gate shall not be permitted.

•In case of failure of normal electric supply, it shall automatically trip of alternate supply and also shall have manually operated change over facility. Alternatively, the lift shall be so wired that in case of power failure, it comes down at ground level stands still with door open.

•Fire and Smoke doors as marked/approved in the plan at each floor level shall be provided.

COMPARTMENTING BY WATER CURTAIN:(Recommend)

•Compartmentalize of Every fire zone (every 750 sqm floor area) shall be made by Water curtain & shall have to be provided with the following special provision.

I)The entire piping network shall be connected with correct rated high pressure pump, Water Curtain panel & dedicated fire detectors/Deluge valve.

II)The piping network connected with water screen spray nozzle heads(spiral type) which capable to discharge water

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droplet with particle diameter of about 200µm.

III) The entire system develop water curtain of entire building shall be made by a separate pump facility.

FIRE FIGHTING WATER :

- Underground water reservoir having water capacity of 100000 litres. (For fire) And O.H.W.R. 20000 Ltrs., at each block (Recommend) for fire., Capacity exclusively for firefighting purpose shall be kept full at all time.
- The Fire water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water.
- Provision of necessary manhole shall be made on the top of this reservoir as per specification.
- Provision of replenishment at the rate of at least 1000 LPM from two separate source of water supplies shall be made.
- The deep tube wells for the replenishment of the reservoir shall be incorporated with auto starting facility with actuation of auto detection and suppression arrangement of the premises and shall also be connected with dual power supply units.
- Provision of placing Fire Appliances on the underground water reservoir to be made to draw water in case of emergency.

WATER LAYOUT SYSTEM & PUMP :

- The building shall be provided with wet riser with 150 mm. internal diameter Pipe Line with provision of outlet at the specific interval as per I.S. Specification and Hose Reel Hose/Hydrant Valves landings / half landings at the periphery of the buildings .
- Provision of the Fire Pumps (Jockey, Main, sprinkler and Stand By) shall have to be made to supply water at the rate-designed pressure (2850 LPM) and discharge into the Water based system, which shall be installed in the building. One such pump shall always be kept on stand-by be of diesel driven type.
- All the pumps shall be incorporated with both manual and auto starting facilities. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum-down comer with suitable terrace pump with overhead tank.
- Another One separate pump for water curtain shall have to be provided.
- The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum-down comer with suitable terrace pump with overhead tank.
- All other requirements shall conforming I.S. 3844 – 1989.
- Provision for Hose Reel units on swiveling drum in conjunction with Wet Riser shall be made near each lading valves.
- Ring Main Hydrant/yard hydrant with provision of adequate numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S. specifications.
- Fire service inlet (FOUR WAY) near the entry or exit of the premises facing to the abutting road shall have to be provided.
- All the floor areas shall have to be provided with Auto sprinkler System and compartmentation through water curtain shall have to be provided accordingly having integrity with detection system following current IS Specification.
- Alarm gong to be incorporated to the sprinkler & water curtain system should be followed the NBC part- IV with up to date amendment.
- The Sprinkler system in all floor area of the industrial project shall be with Flow control switch having integrity with Fire Alarm Panel.

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•Hydrant points and hose reel hose at a distance of 30M inside the production area of the factory and its periphery shall have to be provided.

•The all floor area shall have to be provided auto sprinkler system with flow control switch having integrity with Fire Alarm Panel shall have to be provided.

Water Projector Protection:-

•The Electric installation viz. transformer (if oil type) switch gear, Boiler etc. shall be protected by High/medium velocity water projector system as per suitability.

Automatic Sprinkler Installation:-

•The buildings shall be protected by automatic Sprinkler installation, Sprinkler pump with jockey where applicable confirming the grade as per I.S. Specification.

Business Management System:-

•A BMS shall have to be provided near Security Room in order to monitor all activities related to Fire Safety Measures.

ELECTRICAL INSTALLATION & DISTRIBUTION:

•The electrical installation including transformers, Switch Gears, Main & Meters etc. and the distribution system of the premises shall be made satisfying the code of practice for Fire safety in general building as laid down in I.S. specification 1946 – 1982.

•The vertical and horizontal electrical ducts shall be sealed at each floor level by fire resisting materials.

•Electrical distribution system shall conform all the requirements as laid in I. S. 1646-1982.

•The electrical installation shall be adequately protected with automatic CO2/D.C.P.

•All electrical installation viz. Transformer Switch Gear L. T., H. T. rooms, shall be protected with both auto detection and suppression systems as per suitability.

Alternative Power Supply :

a. Arrangements shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building in case of normal power failure.

DETECTION AND ALARM SYSTEM:

•Manually operated Electrical Fire Alarm system at each floor level call boxes fitted with Hooters along with public address system, at each floor connecting with audio-visual panel board shall be made in Control Room.

•The Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189 – 1988.

•Auto Fire detection system with the help of Heat/Smoke Detectors which are suitable which are suitable shall be installed in all places of below and preferably above false ceiling of the office area & mezzanine area. The system shall also be

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made in place of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.

- The all warehouse sheds shall have to be protected by laser beam detectors as per I.S. specification.
- The suppression system shall be made with Fire Extinguishers and total flooding system with CO2/F.M.- 200 particularly in computer, Electrical processing and Data Room and in all rooms of irreplaceable articles as well as suitable of inflammable materials.
- Hooters will be sounded in such a manner so that an operation of any Detector or Manual Call Point.
- Public Address System to be linked between all parts of the entire area and Control Room shall have to be established.
- Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.
- All floors of each blocks shall have to be provided detection system as per N.B.C. 2016 and I.S. Specification.

Public Address System :-

- Public address system with Control Room shall have to be established.

Small Gears :-

- Hose box, 15 meter length delivery hose, gunmetal short branch of half inch dia. One set at each pillar hydrants should be provided as per IS:903-1993.

AIR CONDITIONING SYSTEM: (If any)

- The A.H.U. shall be separated for each floor with the system Air Ducts for individual floors.
- Arrangement shall be made for isolation at the strategic locations by incorporating auto dampers in the Air Conditioning system.
- The system of auto shut down of A.H.U. shall be incorporated with auto detection and alarm system.
- The air handling Units room shall not be used for storage of any combustible materials.

FIRSTAID FIRE FIGHTING SYSTEM:

- First Aid firefighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190-92.

GENERAL RECOMMENDATIONS:

- Disposable type B. A. Musk to be kept always for emergency fire situation.
- Fire License shall have to be obtained for processing , keeping , storing hazardous materials/ substance beyond exemption level mentioned in Fire Service Acts 1950 with up to date amendments.
- Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
- Floor numbers and directional sign of escape route shall be displayed prominently.
- The occupancy and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
- Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.
- A crew of trained Fireman under an experienced officer shall be maintained round the clock for safety of the building.
- Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- A certificate is to be obtained from the Director General, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

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On compliance of all the above Fire and Life safety recommendations, the Director General, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Fire Safety Certificate in favour of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

N.B. :Any deviation and changes the nature of use of the building in respect of the approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.


Signature Not Verified
Digitally signed by ABHIJIT
PANDEY
Date: 2023.06.02 14:11:10 IST

Director
West Bengal Fire & Emergency Services

Memo No.:FSR/0225186231300278

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A copy of the Udyam Registration certificate

Annexure – 3/6

8/8/23, 4:32 PM

Print : Udyam Registration Certificate

UDYAM REGISTRATION CERTIFICATE																					
UDYAM REGISTRATION NUMBER	UDYAM-WB-08-0043143																				
NAME OF ENTERPRISE	M/S GANGOTRI GREEN PRODUCTS LLP																				
TYPE OF ENTERPRISE *	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Classification Year</th> <th>Enterprise Type</th> <th>Classification Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2023-24</td> <td>Micro</td> <td>08/08/2023</td> </tr> </tbody> </table>	S.No.	Classification Year	Enterprise Type	Classification Date	1	2023-24	Micro	08/08/2023												
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OFFICAL ADDRESS OF ENTERPRISE	<table border="1"> <thead> <tr> <th>Flat/Door/Block No.</th> <th>KHALISHANI, RAJAPUR</th> <th>Name of Premises/ Building</th> <th>NA</th> </tr> </thead> <tbody> <tr> <td>Village/Town</td> <td>Khalisani</td> <td>Block</td> <td>ULUBERIA</td> </tr> <tr> <td>Road/Street/Lane</td> <td>Khalisani Sankrail</td> <td>City</td> <td>HOWRAH</td> </tr> <tr> <td>State</td> <td>WEST BENGAL</td> <td>District</td> <td>HOWRAH , Pin 711307</td> </tr> <tr> <td>Mobile</td> <td>9163069506</td> <td>Email:</td> <td>compliance@gangotri-group.com</td> </tr> </tbody> </table>	Flat/Door/Block No.	KHALISHANI, RAJAPUR	Name of Premises/ Building	NA	Village/Town	Khalisani	Block	ULUBERIA	Road/Street/Lane	Khalisani Sankrail	City	HOWRAH	State	WEST BENGAL	District	HOWRAH , Pin 711307	Mobile	9163069506	Email:	compliance@gangotri-group.com
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State	WEST BENGAL	District	HOWRAH , Pin 711307																		
Mobile	9163069506	Email:	compliance@gangotri-group.com																		
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	14/02/2022																				
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS																					
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	<table border="1"> <thead> <tr> <th>S.No.</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>17 - Manufacture of paper and paper products</td> <td>1702 - Manufacture of corrugated paper and paperboard and containers of paper and paperboard</td> <td>17029 - Manufacture of other containers of paper and paperboard n.e.c.</td> <td>Manufacturing</td> </tr> </tbody> </table>	S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	17 - Manufacture of paper and paper products	1702 - Manufacture of corrugated paper and paperboard and containers of paper and paperboard	17029 - Manufacture of other containers of paper and paperboard n.e.c.	Manufacturing										
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1	17 - Manufacture of paper and paper products	1702 - Manufacture of corrugated paper and paperboard and containers of paper and paperboard	17029 - Manufacture of other containers of paper and paperboard n.e.c.	Manufacturing																	
DATE OF UDYAM REGISTRATION	08/08/2023																				
<p>[*] In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.</p> <p>Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing:- 08/08/2023</p>																					
For any assistance, you may contact:																					

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

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Print : Udyam Registration Certificate

1. District Industries Centre:	HOWRAH (WEST BENGAL)
2. MSME-DFO:	KOLKATA (WEST BENGAL)

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https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

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Print : Udyam Registration Certificate

 <p style="text-align: center;"> भारत सरकार Government of India सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Ministry of Micro, Small and Medium Enterprises </p>	
Udyam Registration Number : UDYAM-WB-08-0043143	

Type of Enterprise	MICRO	Major Activity	M
Type of Organisation	Limited Liability Partnership	Name of Enterprise	M/S GANGOTRI GREEN PRODUCTS LLP
Owner Name	M/S GANGOTRI GREEN PRODUCTS LLP	PAN	AAYFG01
Do you have GSTIN	Yes	Mobile No.	916306951
Email Id	compliance@gangotri-group.com	Social Category	General
Gender	Male	Specially Abled(DIVYANG)	No
Date of Incorporation	14/02/2022	Date of Commencement of Production/Business	

Bank Details

Bank Name	IFS Code	Bank Account Numl
ICICI Bank LTD	ICIC0001056	105605500816

Employment Details

Male	Female	Other
1	0	0

Investment in Plant and Machinery OR Equipment (in Rs.)

S.No.	Financial Year	Enterprise Type	Written Down Value (WDV)	Exclusion of cost of Pollution Control, Research & Development and Industrial Safety Devices	Net Investment in Plant and Machinery OR Equipment[(A)-(B)]	Total Turnover (A)	Export Turnover (B)	N Turn [(A)-(B)]
1	2021-22	Micro	0.00	0.00	0.00	0.00	0.00	0.00

Unit(s) Details

SN	Unit Name	Flat	Building	Village/Town	Block	Road	City	Pin
1	FACTORY	KHALISHANI,RAJAPUR	NA	Khalisani	ULUBERIA	Khalisani Sankrail	HOWRAH	711307

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

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Print : Udyam Registration Certificate

Official address of Enterprise

Flat/Door/Block No.	KHALISHANI,RAJAPUR	Name of Premises/ Building	NA
Village/Town	Khalisani	Block	ULUBERIA
Road/Street/Lane	Khalisani Sankrail	City	HOWRAH
State	WEST BENGAL	District	HOWRAH , Pin : 7
Mobile	9163069506	Email:	compliance@gangc
Latitude	22.503580347390024	Longitude:	88.1288066696000

National Industry Classification Code(S)

SNo.	Nic 2 Digit	Nic 4 Digit	Nic 5 Digit
1	17 - Manufacture of paper and paper products	1702 - Manufacture of corrugated paper and paperboard and containers of paper and paperboard	17029 - Manufacture of other containers of paper and paperboard n.e.c.

Are you interested to get registered on Government e-Market (GeM) Portal	Yes
Are you interested to get registered on TReDS Portals(one or more)	Yes
Are you interested to get registered on National Career Service(NCS) Portal	Yes
Are you interested to get registered on NSIC B2B Portal	Yes
Are you interested in availing Free .IN Domain and a business email ID	Yes
District Industries Centre	HOWRAH (WE
MSME-DFO	KOLKATA (WE
Date of Udyam Registration	08/08/2023
Date of Printing	08/08/2023

A copy of the acknowledgement for GST Application

Annexure – 3/7

Form GST REG-02*[See Rule -5(5)]***Acknowledgment**

Application Reference Number (ARN) : AA190123037673B

You have filed the application successfully and the particulars of the application are given as under:

Date of Filing : 14/01/2023
Time of filing : 14:47:30.0
GSTIN, if available : NA
Legal Name : GANGOTRI GREEN PRODUCTS LLP
Trade Name (if applicable): NA
Form No. : GST REG-01
Form Description : Application for New Registration
Center Jurisdiction : RANGE-V
State Jurisdiction : SHIBPUR
Filed by : self

Temporary reference number, if any: 192300007163TRN

Payment details* : NA

It is a system generated acknowledgment and does not require any signature.

**Applicable only in case of Casual taxable person and Non Resident taxable person .*

A copy of the PAN Card

Annexure – 3/8



A copy of the civil engineer's certificate

Annexure – 5/1

**D.J. Consultants & Associates**Consulting Engineers (Civil & Architectural)
Planners, Designers, Int. Decorators & Contractors

Ref. No.

Date

TO WHOMSOEVER IT MAY CONCERN

This is to certify that I **Dhiman Bhattacharjee**, appointed as Engineer of a upcoming Factory Workshop at Khalishani, Rajapur, Uluberia, Khalisani, Sankrail Howrah. West Bengal 711307. by **Gangotri Green Products LLP** hereby certify that Cost of Finishing the Building would be **Rs. 13,26,65,660/-** (Rupees Thirteen Crores Twenty-Six Lacs Sixty-Five Thousand Six Hundred & Sixty Only) based on attached Calculation.

Place: Kolkata

Date: 21.12.2022

255, DUM DUM PARK, KOLKATA - 700 055, PHONE : 2590-6003 / 6883
E-mail : info@djcon.org, dhiman69@gmail.com

SUMMARY SHEET						
ARCHITECTURAL FINISHING OF WORKSHOP BUILDING (52.4 M X 38.76 M)						
Client : Gangotri Green Products LLP						
Height : Plinth Height :- 1000 mm ; Ground Floor Height :- 6100 mm ; 1st. Floor Height :- 4.575 mm ; 2nd. Floor Height :- 4.575 mm						
Built up Area					6093.072 SQM.	
Item no	Description of Items	Unit	Quantity	Rate	Costing	Cost / Sqft.
CIVIL WORK COST						
1.0	Superstructure work	Sqm	6093.072	Rs. 15,326	Rs. 9,33,83,945	1,423.84
2.0	Water proofing work	Sqm	2344	Rs. 500	Rs. 11,72,000	17.87
3.0	200mm thick Brick work	Cum	640.735	Rs. 8,500	Rs. 54,46,248	83.04
4.0	125mm thick Brick work	Sqm	807.33	Rs. 750	Rs. 6,05,498	9.23
5.0	10 mm thick Ceiling plaster	Sqm	5810	Rs. 200	Rs. 11,82,000	18.02
6.0	12 mm thick Internal wall plaster	Sqm	6231.1	Rs. 175	Rs. 10,90,443	16.63
7.0	20 mm thick External wall plaster	Sqm	2780	Rs. 225	Rs. 6,25,500	9.54
CIVIL & STRUCTURAL WORK COST =					Rs. 10,35,05,632	Rs. 1,578
ARCHITECTURAL & FINISHING COST						
Item no	Description of Items	Unit	Quantity	Rate	Costing	Cost / Sqft.
1.0	100 x 65mm thick Teak wood door frame	Cum	0.700	Rs. 1,50,000	Rs. 1,05,000	1.60
2.0	32 mm thick Flush door shutter (D/S)	Sqm	x			
3.0	35 mm thick Flush door shutter (S/S)	Sqm	38.197	Rs. 1,500	Rs. 57,296	0.87
4.0	Aluminium Window Frame with Glazed Shutter	Sqm	242.280	Rs. 4,500	Rs. 10,90,260	16.62
5.0	2 to 2.5mm thick Putty	Sqm	12141.000	Rs. 120	Rs. 14,56,920	22.21
6.0	Internal Acrylic paint with 2 coats primer	Sqm	12141.000	Rs. 210	Rs. 25,49,610	38.87
7.0	External Acrylic Emulsion paint with 2 coats primer	Sqm	2780.000	Rs. 250	Rs. 6,95,000	10.60
8.0	18 to 20mm thick KOTA SLAB work Quantity =	Sqm	N/A			
9.0	12 to 15 mm thick Pre-cut VITRIFIED TILE FOR TRADE work Quantity =	Sqm	130.980	Rs. 1,000	Rs. 1,30,980	2.00
10.0	8 mm thick Pre-cut VITRIFIED TILE FOR RISER work Quantity =	Sqm	66.600	Rs. 950	Rs. 63,270	0.96



11.0	VDF flooring work Quantity =	Sqm	1884.750	Rs. 1,200	Rs. 22,61,700	34.48
12.0	Heat Resistance tile work Quantity =	Sqm	N/A			
13.0	2 Hrs. rated Metal fire door	Sqm	19.320	Rs. 8,000	Rs. 1,54,560	2.36
14.0	Aluminium Rolling shutter work	Sqm	22.290	Rs. 7,500	Rs. 1,67,175	2.55
15.0	MS railing with 60mm thick wooden hand rail	Kg	730.280	Rs. 95	Rs. 69,377	1.06



16.0	65mm thick Teak wooden handrail with laquer polish	Cum	0.144	Rs. 1,50,000	Rs. 21,600		0.33
17.0	12mm thick glass railing with SS frame (1200mm high)	Rm	60.800	Rs. 1,500	Rs. 90,900		1.39
18.0	Structural steel frame with 20mm thick Laminated glass finish SKY LIGHT (Only MS cost)	Sqm	N/A				
19.0	2 Hrs fire rated 16 passengers elevator with glass finish front & back side.	Each	1.000	Rs. 9,00,000	Rs. 9,00,000		13.72
20.0	2 Hrs fire rated 8 passengers elevator with metal finish.	Each	1.000	Rs. 15,00,000	Rs. 15,00,000		22.87
21.0	MLCP car pallets (2 layer)	Each	N/A				
22.0	ATRIUM GLASS	Sqm	N/A				
23.0	Structural Glazing	Sqm	N/A				
24.0	Skylight Glazing	Sqm	N/A				
25.0	M.S Steel Truss at 3rd. Floor Roof with Asbestor Sheets	Sqm	2031.024	Rs. 250	Rs. 5,07,756		7.74
26.0	Glazed Framed Doors	Sqm	3.150	Rs. 7,500	Rs. 23,625		0.36
27.0	Copper Cladding on Aluminium framework as per design.	Sqm	x				
28.0	Providing and Fixing Super durable powder coated fixed aluminium louvers of size 150mm x 50mm including MS Framework	Sqm	x				
29.0	MS PERGOLA & BALCONY AT 4TH FLOOR LEVEL	MT	x				
30.0	MS STRUCTURE (Basement ceiling & Ground floor ceiling)	MT	x				
31.0	Structural steel frame with 20mm thick toughen glass finish canopy.	Sqm	x				
32.0	Structural steel frame with 20mm thick toughen glass finish canopy.	Sqm	x				
33.0	Interior work (Flooring, False ceiling, Furniture & fixture, Sanitary fixture, Wall finishes, Acoustical wall, wooden or glass partition, illumination, Décor/ Artefacts, Signage, Door/glazing, Soft furnishing & film)	Sqm	6053.000	Rs. 3,575			
ARCHITECTURAL AND COMMON AREA FINISHING COST =					Rs. 1,18,45,028	Rs.	181
OTHERS STRUCTURAL & CAMPUS DEVELOPMENT COST							
Item no	Description of Items	Unit	Quantity	Rate	Costing	Cost / Sqft.	
1.0	Civil & Finishing work of WATER BODY / FOUNTAIN (Porcelain tile)	Sqm	x				
2.0	R.C.C. Planter civil cost (Excluding finishing)	Sqm	x				
3.0	Security Kiosk (2 no.)	Sqm	x				
4.0	O.H.T. (10120 Ltrs.)	Per/Lt	10120.000	Rs. 125	Rs. 12,65,000		19.29
5.0	UGR	L.S.	1.000		Rs. 30,00,000		45.74



6.0	STP	L.S.	1.000		Rs. 22,00,000		33.54
7.0	Boiler Foundation	L.S.	1.000		Rs. 3,00,000		4.57
8.0	D.G. Platform civil work	L.S.	1.000		Rs. 1,00,000		1.52
9.0	D.G. chimney MS frame for ducting	L.S.	1.000		Rs. 1,50,000		2.29



10.0	Type - A Boundary wall (600mm high Strc. & 1200mm high MS railing)	Rmt	x				
11.0	Type - B Boundary wall (1500mm high Strc. & 600mm high MS railing)	Rmt	x				
12.0	MS GATE sliding	MT	5.000	Rs. 90,000	Rs. 4,50,000.00		6.86
13.0	Paver finish road	Sqm	600.000	Rs. 2,250	Rs. 13,50,000		20.58
OTHERS STRUCTURAL & CAMPUS DEVELOPMENT COST =					Rs. 88,15,000	Rs.	134
BUILDING SERVICES COST							
Item no	Description of Items	Unit	Quantity	Rate	Costing	Cost / Sqft.	
2.0	HVAC WORK - VRF SYSTEM	L.S.	1.000		Rs. 12,00,000		18.30
A							
3.0	Electrical (Int & ext)	L.S.	1.000		Rs. 30,00,000		45.74
B							
4.0	Plumbing (Without Sanitary Fixtures)	L.S.	1.000		Rs. 20,00,000		30.49
C							
D	Fire Fighting	L.S.	1.000		Rs. 15,00,000		22.87
G	ELV+ ITAV	L.S.	1.000		Rs. 8,00,000		12.20
Grand Total - MEP SERVICES					Rs. 85,00,000	Rs.	130
LANDSCAPE FEATURES							
Item no	Description of Items	Unit	Quantity	Rate	Costing	Cost / Sqft.	
1.0	Equipment's & illumination for water body	L.S.	x				
1.1	- Sub miscible pump	L.S.	x				
1.2	- Pipe, Nozzle for water effect	L.S.	x				
1.3	- Filtration System	L.S.	x				
1.4	- Electric work and cables for light, etc.	L.S.	x				
1.5	- Under water lights	L.S.	x				
1.6	- Misc cost	L.S.	x				
Grand total - Water body					Rs.		
2.0	Softscape work						
2.1	Plantation area on ground with plants and illumination	Sqm	x				
2.2	Good earth fill in rcc planters with drain board	Cum	x				
2.3	Good earth fill in ground floor (450mm high) without drain board	Cum	x				

2.4	Indoor / outdoor plants (6 to 10ft tall)	Each	x				
3.0	Hardscape work						
3.1	Concrete paver block with base material	Sqm	x				
3.2	Deck tile full body vitrified	Sqm	x				

3.3	HDPE Grass paver	Sqm	x			
3.4	FRP/GRC planter with earth fill (300-450mm deep)	Sqm	x			
LANDSCAPE COST =					Rs.	-
TOTAL PROJECT COST =					Rs.	13,26,65,660
					Rs.	2,023



Annexure – 5/2 to 7/7

excel

