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LENDER'S INDEPENDENT ENGINEER REPORT (2ND) (FOR QUARTER ENDING DECEMBER 2023)

OF

5 TPD BIOMASS TO COMPRESSED BIOGAS (CBG) PLANT (PHASE-I)



SITUATED AT

VILLAGE SHAHPUR DANDI, TEHSHIL: BAHERI, DISTRICT: BAREILLY.

■ Corporate Valuers

■ Business/ Enterprise/ Equity Valuations

■ Lender's Independent Engineers (LIE)

■ Techno Economic Viability Consultants (TEV)

■ Agency for Specialized Account Monitoring (ASM)

■ Project Techno-Financial Advisors

■ Chartered Engineers

■ Industry/ Trade Rehabilitation Consultants

■ NPA Management

■ Panel Valuer & Techno Economic Consultants for PSU
Banks

IMPLEMENTED BY

M/S. CARBON CIRCLE PRIVATE LIMITED

REPORT PREPARED FOR

STATE BANK OF INDIA, SME RUDRAPUR.

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PART A

REPORT SUMMARY

1. **Name of Project:** Carbon Circle Private Limited (CCPL) is establishing a Compressed Biogas (CBG) plant with a total capacity of 10 Tons Per Day (TPD) in Baheri Tehsil, Bareilly District, and Uttar Pradesh. The project will be executed in two phases, Phase –I and Phase-II, with each phase setting up a 5 TPD plant.
2. **Project Location:** Village Shahpur Dandi, Tehsil: Baheri, District: Bareilly, State: Uttar Pradesh, India.
3. **Name of the Borrower:** M/S. Carbon Circle Private Limited.
4. **Director's/Partner's:** Mr. Guru Inder Mohan Singh
5. **Prepared for Bank:** State Bank of India SME Branch, Rudrapur, Uttarakhand
6. **LIE Consultant Firm:** M/s. R.K. Associates Valuers & Techno Engineering Consultants (P) Ltd.
7. **Date of Survey:** 31st of January 2024
8. **Date of Report:** 12th of February 2024
9. **Purpose of the Report:** To provide fair detailed analysis report to the Bank based on the "in-scope points" mentioned below to know the current status of the Project.
10. **Scope of the work provided by the Lender:**
 - a. Periodic Project physical status review
 - b. Periodic review of expenditure of the Project based on the invoices/ bills submitted by the client



- 11. Documents perused for Proposal:**
- Brief description of the project.
 - Detailed Project Report.
 - CA Certificate
 - SBI's TEV Report
 - Amendment Letter or Purchase Order for machines to be installed.
 - Other approvals.
 - Site/Plot Plan
 - Property Title Documents
 - Plant Layout
- 12. Annexure with the report:**
- Copies of Project Statutory approvals
 - CA Certificate
 - DPR
 - Site/Plot Plan



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PART B

INTRODUCTION

1. ABOUT THE ASSIGNMENT:

2nd LIE Report for the period (Quarter ending December 2023) of Compressed Biogas (CBG) plant being established at Baheri Tehsil, Bareilly District, and Uttar Pradesh. **M/S. Carbon Circle Private Limited (CCPL)** is establishing a Compressed Biogas (CBG) plant with a total capacity of 10 Tons per Day (TPD) in Baheri Tehsil, Bareilly District, and Uttar Pradesh. The project is executed in two phases, Phase –I and Phase-II, with each phase setting up a 5 TPD plant for which bank has appointed M/S R.K Associates Valuers & Techno Engineering Consultants (P) Ltd. for periodic review of physical & expenditure status of the project.

Although the report is for period Quarter ending December 2023, however the physical status in the report is reported of the date of survey which is 31st January 2024 but incurred expenses are considered between the period Oct. – Dec.'23.

2. PROJECT OVERVIEW:

M/S. Carbon Circle Private Limited (CCPL) is establishing a Compressed Biogas (CBG) plant in Baheri Tehsil, Bareilly District, Uttar Pradesh, with an aggregate capacity of 10 Tons per Day (TPD). The project will be implemented in two sequential phases, Phase-I and Phase-II, each dedicated to setting up a 5 TPD plant. This phased approach is designed to facilitate the efficient development and scaling of the CBG plant.

Whereas as per CA Certificate the appraised Project cost considered is Rs.40.40 Cr. which includes Land development, Building, Plant & Machinery etc. Detailed breakup of the same is available in later section of the report. Further the Project was independently appraised by Consultancy Services Cell of SBI. As per Consultancy Services Cell of SBI the appraised cost is Rs. 39.50 crores, the difference on the same is observed in IDC value. **Further in this report, only the appraised hard cost by SBI is taken into consideration. Soft cost such as IDC etc. is not covered in the part of report. This report covers only Phase-I of the Project i.e. 5 TPD Plant.**

As per MCA, M/s Carbon Circle Private Limited (CCPL) was incorporated on 29/10/2021. Company is formed by Mr. Guru Inder Mohan Singh who has experience of implementing and scaling solar energy businesses. As per information provided to us, he started his career in Power Finance Corporation Ltd. (PFC) where he was involved in extending credit to biomass based and bagasse-based cogeneration power projects. Thereafter, he worked as executive in AES Corporation, a Fortune 500 company and Azure Power, a NYSE listed solar power company.

As per Project appraisal report, Phase-I of the Project is scheduled to be completed by June, 2024. As per the site inspection report, the Project work started in January 2023.

The Project is executed through the package route, i.e appointment of different contractors / suppliers for different works and not through EPC route.

Current Status of Implementation as on 31/01/2024:

- a. **Land:** Company has purchased total of the land admeasuring 2.74 hectares (equivalent to 6.8 acres) as per the sale deed provided to us. However on the site total land admeasuring is 3.11 Hectare/ 7.68 Acre. Total land CLU obtained is of 2.74 Hectare/ 6.8 Acre. The assessment of land has not been done in this report same as the previous assessment.
- b. **Civil Works/Land Development:** The project has made good progress if compared to the progress in previous visit done on 17-10-2023.

For a comprehensive overview of the current status of the civil work and project progress, please refer to the table below that provides a breakdown of these advancements.

Table No: 1

As on site visit dated-31-01-2024		
Particular	Status	Remarks
Bagging Unit	The major civil shed works have been completed.	Refer PART C for detailed status.
Sun Drying Unit	Footing structure work done till plinth level and P.C.C. flooring completed.	Refer PART C for detailed status.
Biogas Up gradation Plant Unit	All the Civil work is finished, only soil filling and flooring work is due.	Refer PART C for detailed status.
Main Control Room and Office Room	Structure work is complete and brickwork is in progress.	Refer PART C for detailed status.
Raw Water Unit	Construction Work Is Complete	Refer PART C for detailed status.
Hot Water Treatment Plant	Major work is completed, 20-30 % of GI shed roof covering is due.	Refer PART C for detailed status.

Mixer Plant	Only the final finishing and testing is left, rest of the work is complete.	Refer PART C for detailed status.
Digester 1	Only the final finishing and testing is left, rest of the work is complete.	Refer PART C for detailed status.
Digester 2	Only the final finishing and testing is left, rest of the work is complete.	Refer PART C for detailed status.
Lagoon	Structure/Construction work in progress	Refer PART C for detailed status.
Guard Rooms	One guard room is completed and finishing work in the other guard room is in progress	Refer PART C for detailed status.
Internal Road and drain work	Work in progress	Refer PART C for detailed status.

c. Plants/Machines/ Equipment's:

In the subject unit, M/S Carbon Circle Private Limited has proposed to install following Plant/ Machines as listed below:-

Table No: 2

As on site visit dated-31-01-2024			
S. No	Particulars	Supplier/Vendor	Status/Remarks
1	Digester	Planet Biogas Global GMBH	Work of the same is completed.
2	Biogas Up gradation Plant	Biogas Engineering India Private Limited	Major parts of the setup has arrived on site.
3	Hot Water Generator	HME Boilers Pvt. Ltd.	Arrived on site and installation is in progress
4	Mixer	Planet Biogas Global GMBH	Work of the same is completed.



d. Electrical Power Requirement:

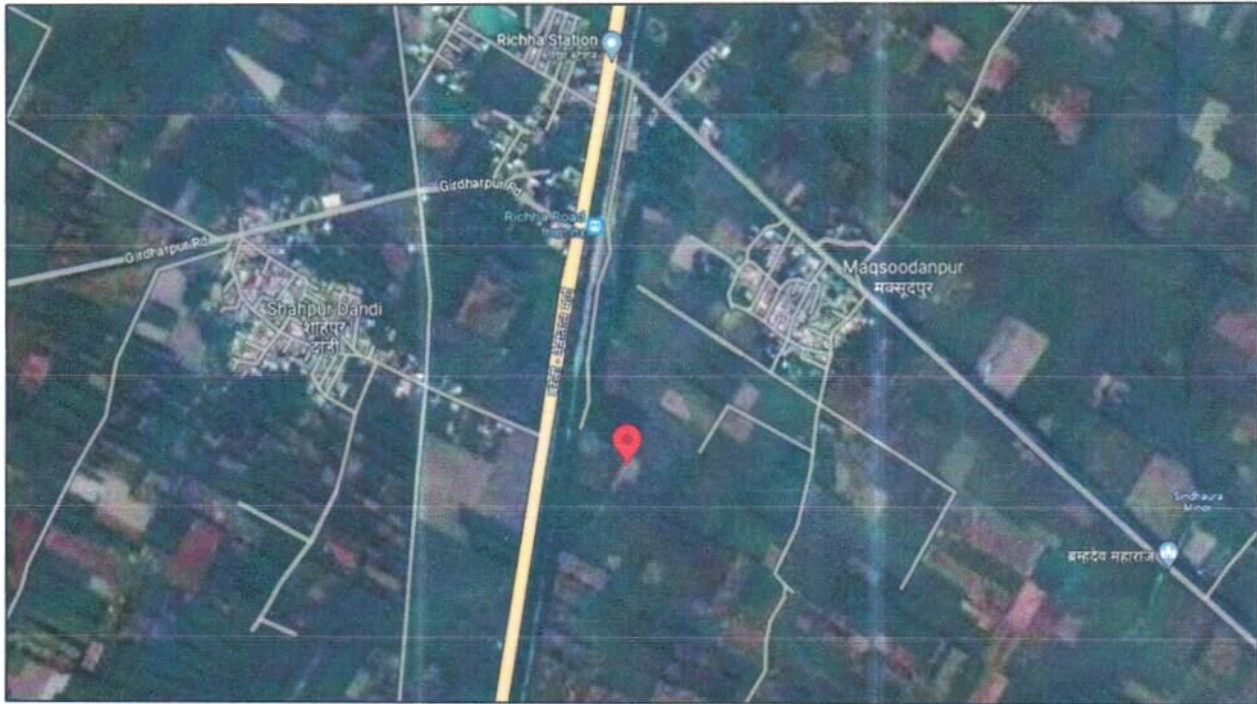
The proposed Compressed Biogas (CBG) plant has a continuous operating load requirement of approximately 660 KW. To meet this demand, the plant will source its power from the Riccha Substation, which operates at 11 KV and is situated about 2 kilometres away from the plant. To step down the voltage from 11 KV to the required 415V, a 1.6 MVA, 11/0.433kV distribution transformer will be installed. For the incoming power supply arrangement from the substation, a pole structure arrangement will be established at the 11 KV switchboard. In addition to the grid-based power supply, a separate 125 KVA DG (Diesel Generator) set is being planned to serve as a backup power source, ensuring uninterrupted operation of the plant in case of emergencies. As per status on 31.01.2024, Transformer has arrived on the site. Electric Poles and cabling work is pending.

3. PROJECT LOCATION:

Details about Location of Unit is as below:

Table No: 3

Particulars	Description
Postal Address	
Village- Shahpur Dandi, Tehshil- Baheri, District-Bareilly, State-Uttar Pradesh, India	
Location	
The location is in rural part of village area, nearby lands are mostly agricultural area.	
Google Coordinates	
Latitude	28°42'35.9"N
Longitude	79°29'20.1"E
Connectivity Systems	
Road	Baheri is around 45-50 km from Bareilly city through SH 37. The project site is currently accessible via a non-metallic road of ~15-20 feet wide, which runs parallel to the railway track.
Rail	The Nearest Railway station to the subject locality is Richha Railway Station which is about approximately 0.5 Km from the Subject Project.
Air	The nearest airport to subject location, i.e, Bareilly Airport, is located approximately 40 kilometres away.
Geographical Conditions On The Site	
Temperature	The maximum temperature is around 104°F while the minimum is 41°F.
Rainfall	The average annual rainfall of this area is about 970 mm.
Seismic Zone	The above plant site area falls in Seismic Zone III.



Source: Google Map

Figure: Location of CBG Plant

4. SCOPE OF WORK DURING PROJECT DURATION:

- a. Periodic Project physical status review
- b. Periodic review of expenditure of the Project.

5. PURPOSE OF THE REPORT: To provide fair detailed analysis report to the Bank based on the "in-scope points" mentioned above for facilitating them to know the current status of the Project.

6. METHODOLOGY ADOPTED:

- a. Study of Project Planning documents/ reports to know about the Project.
- b. Additional information, data, documents collection from the borrower.
- c. Site Inspection.
- d. Review and analysis of the documents and information obtained from the borrower and corroborating it with the site inspection status.
- e. Information compilation, analysis and reporting.
- f. Expenditure assessment of the civil works has been done as per the physical observation during site survey and by taking benchmark cost of the respective items.
- g. Verification of the bills & invoices have not been done on our end.



PART C

**PLANT INFRASTRUCTURE SECTIONS & FACILITY DETAILS WITH
 ACTUAL PROGRESS**

- 1. LAND AND LAND DEVELOPMENT:** For the purpose of the Project, company has purchased 2.74 hectares (equivalent to 6.8 acres) of land at Rs.1,35,51,400/- as per the sale deed provided to us. However, during the site survey and based on the information provided, additional demarcated land was observed beyond the initial document. As per demarcated boundaries total land area is admeasuring approx. 7.68 Acres.

Table No: 4

S. No.	Gata No.	Area in (Hectares)	Sale Price	Stamp Duty	Total
1	391	1.0715	42,38,000	2,20,300	44,58,300
2	161	0.18575	7,34,000	36,700	7,70,700
3	161	0.18575	8,82,000	44,100	9,26,100
4	388	0.225	19,58,000	98,000	20,56,000
5	391	1.0715	50,86,000	2,54,300	53,40,300
Total		2.7395	1,28,98,000	6,53,400	1,35,51,400

- 2. BUILDING & CIVIL WORKS:** For setting up/ development of below listed sections and other civil works, Carbon Circle Private Limited has estimated Rs.8.74 crore as per SBI appraisal report out of total project cost amounting to Rs.39.50 Crore. Same is considered in C.A. Certificate dated 31st December 2023.

The Physical progress is considered based on observation during our visit on 31st January 2024 of the subject Plant. During the Course of our visit to the subject Project Site following observations were made:

Table No: 5

Sr. No.	Description	Previous Report Status (Date of Survey – 17/10/2023)	Current Status/ Progress (Date of Survey – 31/01/2024)
1.	Bagging Unit	<ul style="list-style-type: none"> Construction progress from the foundation to the plinth level has been successfully completed, and any necessary soil filling has also been carried out. Necessary land levelling or filling to prepare the construction site has been finished. This includes adding or removing soil to achieve the desired ground level and ensure a stable foundation for the building. 	<ul style="list-style-type: none"> The major civil work including P.C.C flooring and shed works have been completed.

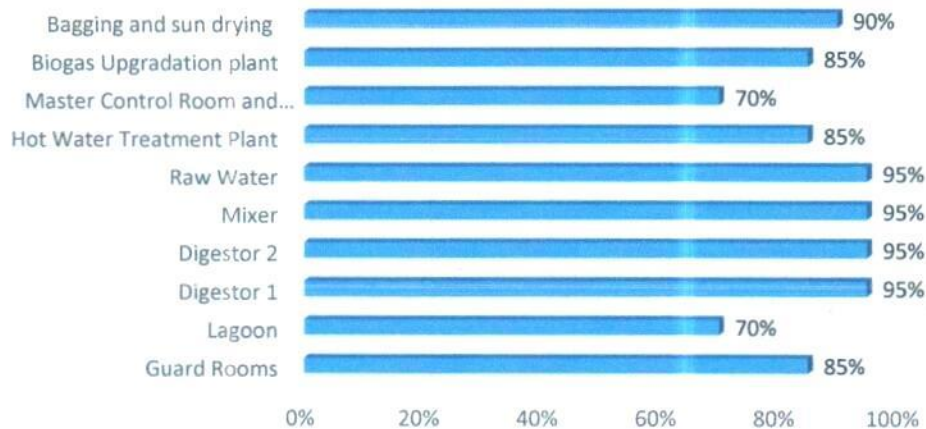
2.	Sun Drying Area	<ul style="list-style-type: none"> Construction progress from the foundation to the plinth level has been successfully completed, and any necessary soil filling has also been carried out. Necessary land levelling or filling to prepare the construction site has been finished. This includes adding or removing soil to achieve the desired ground level and ensure a stable foundation for the building. 	<ul style="list-style-type: none"> The footing structure work till plinth level is and P.C.C. flooring work is completed
3.	Biogas Up gradation Plant	<ul style="list-style-type: none"> The footing work is in progress up to the plinth level. 	<ul style="list-style-type: none"> The major structure works has been completed. The soil filling work in the following structure is due.
4.	Master control room and Office room	<ul style="list-style-type: none"> The footing/foundation work has been completed 	<ul style="list-style-type: none"> Structure work (Pillar, column work) is completed up to 2nd floor. Slab work completed up to 1st Floor. 2nd slab casting is done, de-shuttering work is to be done. Brick work is in progress on Ground and First floor.
5.	Raw water Storage	<ul style="list-style-type: none"> The construction of structure work is in progress and major task of the structure has been achieved. 	<ul style="list-style-type: none"> Construction of structure work is completed.
6.	Hot Water Treatment Plant	<ul style="list-style-type: none"> The construction of the reinforced concrete (RCC) base for the hot water generator has not yet commenced. 	<ul style="list-style-type: none"> Major structure work along with shed work is completed, only 20-30% of shed roof covering is due.
7.	Mixer	<ul style="list-style-type: none"> The structure work for the mixer has been completed. The completion of the structure work typically involves creating a secure and stable foundation for the mixer, which is essential for its proper functioning and safety, the same has been achieved by the company. 	<ul style="list-style-type: none"> All civil construction completed Final finishing and testing work of the same is due.
8.	Anaerobic Digester 1 & 2	<ul style="list-style-type: none"> The structure work of anaerobic digesters has been completed. The next steps may involve installing the necessary equipment, such as gas collection and processing systems, monitoring and control systems, and safety measures to ensure the efficient and safe operation of the anaerobic digesters, which has not started yet. 	<ul style="list-style-type: none"> All civil construction completed. Outer insulation work is completed. Final finishing and testing work of the same is due.
9.	Liquid Digest lagoon	<ul style="list-style-type: none"> The construction of structure work is in progress. 	<ul style="list-style-type: none"> Same status as reported in last report.
10.	Guard Rooms	<ul style="list-style-type: none"> All the civil work of the structure has been completed and currently in use. 	<ul style="list-style-type: none"> One guard room civil work is completed as before. Finishing not achieved yet.

			<ul style="list-style-type: none"> Other guard room civil work is completed and plaster is in progress.
11.	Internal Road	<ul style="list-style-type: none"> Not commented in last report 	<ul style="list-style-type: none"> Some RCC road & drainage work is completed.

Note: The Physical progress captured in the report is based on the approximate observations of the structures found during site during site inspection.

The percentage completion of the civil work executed is shown in chart form below:

PERCENTAGE OF CIVIL WORK EXECUTED



3. PLANTS/ MACHINERIES & OTHER EQUIPMENTS AND UTILITIES: The total amount envisaged against the purchase of Plant and Machinery amounts to Rs.26.16 cr. out of which as per CA Certificate having UDIN No. 24519826BKARMT6028 expenditure incurred till 31st December 2023 is 24.50 cr.



Brief description of the machineries involved in the plant process is shown below:

Table No: 6

S. No	Particulars	Supplier/Vendor	Previous Report Status (Date of Survey – 31-10-2023)	Current Status/ Progress (Date of Survey – 31-01-2024)
Plant & Machinery				
1.	Digester	Planet Biogas Global Gmbh	Purchase Order raised	Rotatory fan & peddle is installed and testing is due
2.	Biogas Up gradation Plant	Biogas Engineering India Private Limited	Purchase Order raised	Few machines have been arrived
3.	Mixer	Planet Biogas Global Gmbh	Not ordered yet	Rotatory fan & peddle is installed and testing is due
Utilities				
1.	Compressor	Kirloskar Pneumatic Comp.	No information available	Arrived on site
2.	Hot Water Treatment Plant	HME Boilers Pvt Ltd.	No information available	Assembly of components of hot water treatment Plant is in progress. Generator is yet to come.
3.	Water Treatment Plant	---	No information available	Not to be commissioned in Phase-I
4.	Transformer	Voltamp Transformers Ltd.	No information available	Arrived on site
5.	HT/LT Panels	Electro Control Systems	No information available	Installation has been done, testing of the same is due
6.	Bagging Unit	---	No information available	No information available
7.	Weigh bridge	Eagle Scale Manufacturing Works	No information available	Yet to arrive on site
8.	DG Set	Sterling Generators Pvt. Ltd	No information available	Yet to arrive on site

The information for production of Compressed Bio Gas from Press mud and organic solid waste produced from sugar industry during cane juicing processing- and etc.is shown below:

1. Press Mud:

- Initial Biomass Input

2. Mixing Tank:

- Preparation and Mixing

3. Digester:

- Anaerobic Digestion
- Production of Raw Biogas



- Production of Digestate (Solid Residue)

4. Digestate Handling System:

- Handling and Processing of Digestate

5. Raw Biogas Storage:

- Storage of the Produced Raw Biogas

6. Biogas Upgrading Unit:

- Biogas Purification
- Removal of Impurities and Carbon Dioxide

7. Purified Biogas Compression:

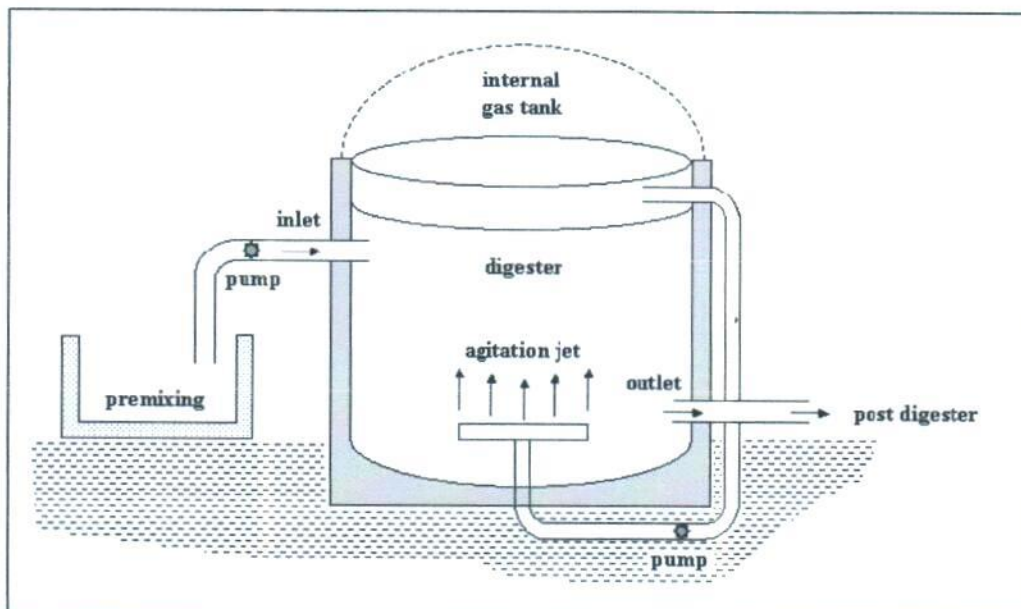
- Compression of Purified Biogas

8. Issuing (Pipe Grid) System:

- Distribution of Compressed Biogas through a Pipe Grid

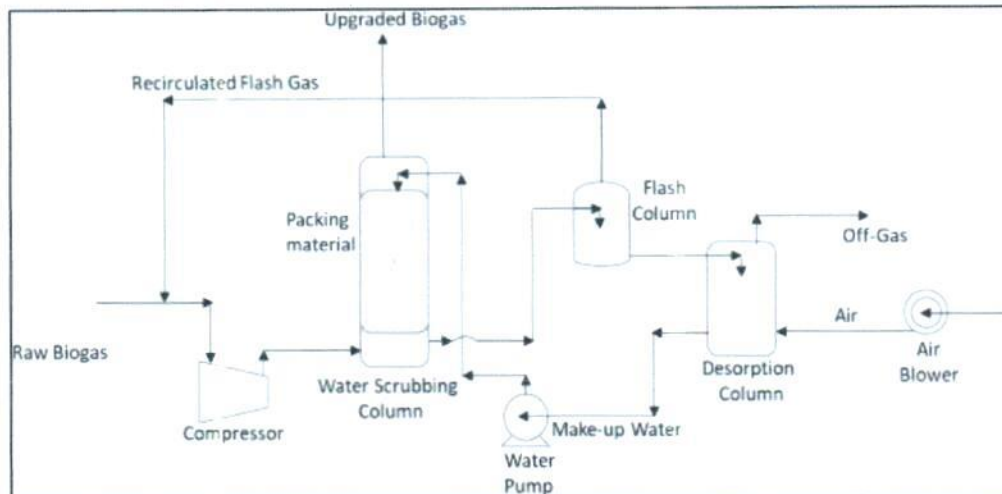
Technical details and aspect of the above plant/machineries and equipment's is shown below:

a. Digester:



b. Biogas Up Gradation Plant:

(Handwritten signature and circular stamp of R.K. Associates Valuers & Techno Engineering Consultants Pvt. Ltd.)



c. Hot Water Generator:



A hot water generator is integrated into the system to utilize the compressed biogas for heating purposes. The hot water generator essentially transfers the heat energy from the compressed biogas to water, producing hot water as an output.

- d. Mixer:** Mixers are employed for various purposes, starting with feedstock mixing, where they homogenize and blend diverse organic materials used as the feedstock for the anaerobic digestion process.

Note:

1. The total amount envisaged against the purchase of Plant, Machinery and equipment's amounts to Rs.26.16 cr., according to the documents provided.



PART D PROJECT CONSULTANTS, CONTRACTORS & SUPPLIERS

As of now mentioned below are the list of Contractors/ Suppliers/ Consultants which have been currently engaged in the Project.

Table No: 7

Contractors/ Suppliers/ Consultants	Nature of Work
M/s Avant grade System and Controls Pvt. Ltd. (AGSCPL)	Engineering Consultants
M/s Makin Developers Pvt. Ltd.	Building/Civil Works
M/S Planet Biogas Global GMBH (PlanET)	Providing and installation of digester
M/S Biogas Engineering India Pvt. Ltd. (BGEI)	Biogas Up-gradation machines
M/S Kirloskar Pneumatic Company Limited.	Compressor
New Consultants added in the reported period (Oct. - Dec.23)	
M/S Fabking Solutions Pvt Ltd.	Portable cabin container
M/S Steeline Buildcon Pvt Ltd.	PEB Shed
M/s Flowmore Ltd.	Pumps
M/S Ceasefire Industries Pvt. Ltd.	Fire Fighting System
M/S HME Boilers Pvt Ltd.	Hot water Generator
M/S Tata Bluescope Steel Pvt. Ltd. / Infinite Build Foam	Cladding Sheet / Insulation Material
M/S Tharayali Engineering Pvt. Ltd.	Erection, Commissioning & Quality
M/S UPPCL	Bay at 132 KV @ Richha S/s
M/S Electro Control Systems	Plant Electricals
M/S ARC Electro Enterprises	Electric Meter (Supply & Services)
M/S Eagle Scale Manufacturing Works	Weigh machine
M/S Gandhi Automations Pvt Ltd.	Main Gate

Source: The above Information/Data is taken from the project progress report provided by the client.




PART E

PROJECT COST & MEANS OF FINANCE

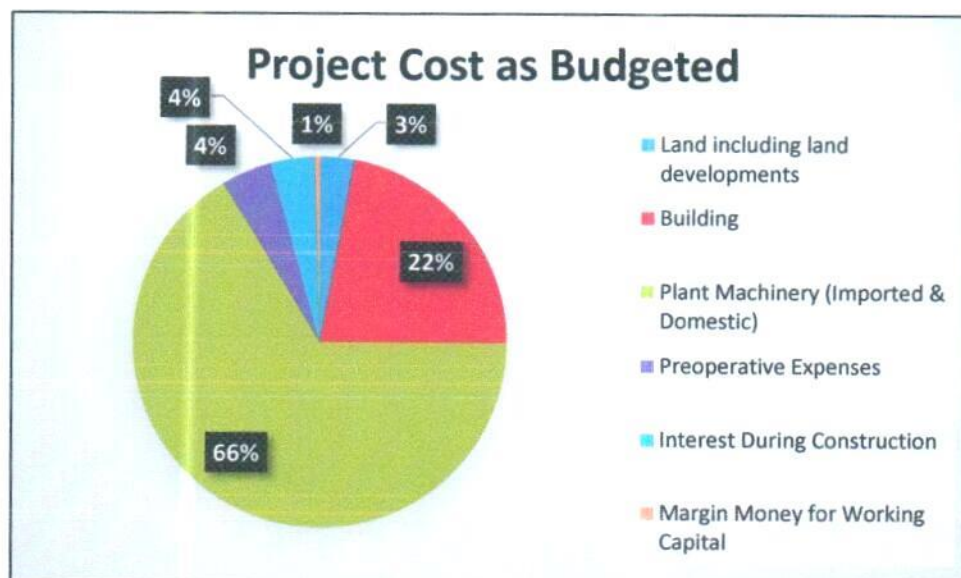
1. **TOTAL PROJECT COST & STATUS OF EXPENDITURE:** M/s Carbon Circle Private Limited has estimated the total Project Cost amounting to Rs.40.40 Cr. out of which Rs.39.69 Cr. has been spent till 31st December 2023 as per CA Certificate dated 31st December 2023 with UDIN No. 24519826BKARMT6028.

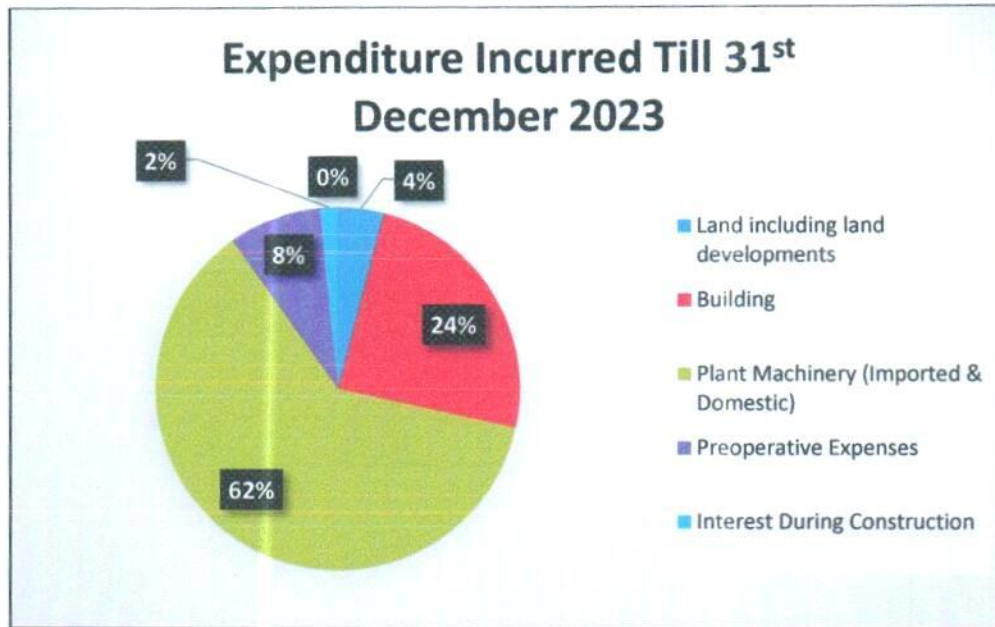
Tabular and chart representation of the same is shown below:

Table No: 8

Amount in crores

Particulars	Project Cost as Budgeted (As per SBI appraisal Report)	Project Cost as Budgeted (As per CA Certificate)	Expenditure Incurred Till 31 st December 2023 (As per CA Certificate)	Expenditure Incurred Till Date 31 st January 2024 (LIE Assessment)
Land including land developments	1.15	1.15	1.63	1.35
Building & Civil works	8.74	8.74	9.67	9.21
Plant Machinery	26.16	26.16	24.5	20.46
Preoperative Expenses	1.75	1.75	3.28	---
Interest During Construction	1.50	2.40	0.61	---
Margin Money for Working Capital	0.20	0.20	0.00	---
Total	39.50	40.40	39.69	31.02





2. COST EXPENDITURE ANALYSIS: A detailed comparison between the actual construction expenses and the company's reported costs, as certified by a Chartered Accountant (CA), is presented below. Alongside this, a cost assessment based on a site survey is also provided:

Table No: 9

S.NO.	PARTICULARS	ESTIMATED COST (Rs. In Cr.)	AMOUNT SHOWN BY THE COMPANY (UPTO 30.08.23) (As Per C.A. Certificate)	AMOUNT SHOWN BY THE COMPANY (UPTO 31.12.23) (As Per C.A. Certificate)	AMOUNT INCURRED IN LAST QUARTER (DIFFERENCE OF LAST CA CERTIFICATE AND CURRENT CA CERTIFICATE)	REMARKS
1	Land including land developments	1.15	1.44	1.63	0.19	1. Rs.1.35 crores is spent in land purchase with stamp duty (as per the value mentioned in the sale deed). 2. Balance Rs. 28 lacs company has informed to have spent in soil filling & land levelling which is reasonable since site is around 7.68 acres and mud levelling has been done on the site. 3. However no Bills/Invoices were

						provided for the same to us.
2	Building and other civil works.	8.74	5.26	9.67	4.41	<ol style="list-style-type: none"> 1. The cost assessment for building and civil works is done in accordance with the benchmark or market cost, as per the percentage of work completed. For detailed calculation please refer to Table No. 10 below. 2. Material/ Inventory lying at site is not considered in this cost. 3. Any advances paid to the parties for which work is not done is not captured which may have been included in the CA Certificate and this is why some difference may come between our assessment and CA certificate. 4. Bills/ Invoices shown of Makin Developers Pvt Ltd. who is civil contractor is Rs.10.15 cr and Steeline Buildcon Pvt Ltd. who is PEB shed contractor is Rs.2.04 cr is amounting to Rs.12.19 cr as shown to us mentioned in Table No. 11 below. Makin Developers is also providing some P&M items also as viewed from the Invoice so entire amount of Makin can't be attributed to civil works.
3	Plant, Machinery and equipment.	26.16	12.54	24.5	11.96	<ol style="list-style-type: none"> 1. In last quarter as per survey done on 17-10-2023 no machine was arrived but in

						<p>this quarter as on date of survey on 31-01-2024 significant machine installation work is done as shown in Table No. 6.</p> <p>2. Due to confidentiality company has not shared with us P&M Invoices. On their request our team went to their office to check the Invoices/ Bills. Company has shown Invoices/ Bills of several parties which tabulated in the Table No. 12 & 13 below amounting of Rs.20.46 crores.</p> <p>However copies of the same was not made available to us. If copies of the Bills/ Invoices are made available to the Bank, then Bank is advised to tally it from the Table 12 & 13 below to cross verify its correctness.</p>
4	Pre-operative Expenses	1.75	2.86	3.28	0.42	Since breakup was not available therefore we were unable to verify its cost as of now and thus have not commented on this item.
5	Interest During Construction	2.4	0.06	0.61	0.55	Can be referred directly from CA certificate as out of Engineering purview. Not in scope of LIE.
6	Margin Money for Working Capital	0.2	0	0	0	Can be referred directly from CA certificate as out of Engineering purview. Not in scope of LIE.

Table No: 10

<i>Building and other civil work Assessment</i>							
Sr. No.	Particular	Type of Structure	Unit	Area/Qty	Rate	Amount (Rs. In Cr)	
1.	Bagging Unit	G.I. Shed	Sq. Ft	8,611	1,000	86,11,120	
2.	Sun Drying Unit	Concrete Platform	Sq. Ft	10,463	550	57,54,381	
3.	Biogas Upgradation Plant	G.I. Shed	Sq. Ft	13,950	1,000	1,39,50,014	
4.	Master Control Room and Office Room	R.C.C. Structure	Sq. Ft	11,044	950	1,04,91,573	
5.	Raw Water	R.C.C. Structure	Sq. Ft	5,038	1,000	50,37,505	
6.	Hot Water Treatment Plant	G.I Shed	Sq. Ft	5,038	875	44,07,817	
7.	Mixer	R.C.C. Structure	Cum	160	9,500	15,20,000	
8.	Digester 1	R.C.C. Structure	Cum	850	9,600	81,60,000	
9.	Digester 2	R.C.C. Structure	Cum	850	9,600	81,60,000	
10.	Lagoon	R.C.C. Structure	Sq. Ft	7,976	900	71,78,445	
11.	Guard Room 1	R.C.C. Structure	Sq. Ft	180	1,250	2,25,000	
12.	Guard Room 2	R.C.C. Structure	Sq. Ft	180	1,000	1,80,000	
13.	Boundary Wall	Pre Cast	Sq. Ft	21,643	140	30,30,046	
14.	Column for support of fire pipe	R.C.C. Structure	Cum	33	10,357	3,42,907	
		Steel	Kg	2,599	89	2,31,314	
15.	Road	R.C.C. Road	Cum	759	10,357	78,60,963	
16.	Drain	Brick Work and plaster	R.M.	550	3,000	16,50,000	
17.	Extra Work (Site development and other miscellaneous works)	---	---	---	---	53,11,000	
						TOTAL	9,21,02,087



Table No: 11

INVOICES/ BILLS SEEN IN OFFICE FOR CIVIL WORKS

Name of the Package	Name of the Vendor – PO awarded	Total Contract Value (Rs. In Lacs)	Remarks	% allocation in Phase-1	Phase-1 Amount	Bills/ Invoices Seen (Rs. In cr)
Civil Works Contractor	Makin Developers Pvt Ltd.	1,221.06	---	100%	1221.06	10.15
PEB shed	Steeline Buildcon Pvt Ltd.	204.41	(for ultimate capacity of 10 TPD)	50%	102.205	2.04
TOTAL		1,425.47			1323.265	12.19

*Copies of Bills/ Invoices not provided

Table No: 12

INVOICES BILLS SEEN IN OFFICE FOR PLANT & MACHINERY

Name of the Package	Name of the Vendor – PO awarded	Total Contract Value (Rs. In Lacs)	Remarks	% allocation in Phase-1	Phase-1 Amount	Bills/ Invoices Seen (Rs. In cr)
Digester vendor	PlanET (incl. Customs duty + CHA charges)	1,547.75	---	100%	1547.75	10.735
Biogas Upgradation Plant (BUP) Vendor	Biogas Engineering India Pvt Ltd.	929.95	(for ultimate capacity of 10 TPD)	50%	464.975	7.83
Product Gas Compressor Supplier	Kirloskar Pneumatic Company Limited	113	(for ultimate capacity of 10 TPD)	50%	56.5	--
Portable Cabin Container Supplier	Fabking Solutions Pvt Ltd.	5.47	---	100%	5.47	--
Bay at 132 KV @ Richha S/s	UPPCI	45.45	(for ultimate capacity of 10 TPD)	50%	22.725	--
Cladding Sheet/ Insulation Material	Tata Bluescope Steel Pvt Ltd. / Infinite Build Foam	73.9	---	100%	73.9	--
Air Compressor	Kirloskar Pneumatic Company Limited	12.39	---	100%	12.39	--

Pumps	Flowmore Ltd.	9.2	---	100%	9.2	--
Plant Electricals	Electro control Systems	421.2	(for ultimate capacity of 10 TPD)	50%	210.6	1.89
Fire Fighting System	Ceasefire Industries Pvt Ltd.	123.34	(for ultimate capacity of 10 TPD)	50%	61.67	--
Hot Water Generator	HME Boilers Pvt Ltd.	56.67	(for ultimate capacity of 10 TPD)	50%	28.335	--
Erection, Commissioning & Quality	Tharayil Engineering Pvt Ltd.	60.31	(for ultimate capacity of 10 TPD)	50%	30.155	--
Electric Meter (Supply & Services)	ARC Electro Enterprises	22.86	(for ultimate capacity of 10 TPD)	50%	11.43	--
Weigh Machine	Eagle Scale Manufacturing Works	14.16	(for ultimate capacity of 10 TPD)	50%	7.08	--
Main Gate	Gandhi Automation Pvt Ltd.	7.08	(for ultimate capacity of 10 TPD)	50%	3.54	--
Odorising, Metering & Pipeline	Yet to be awarded	---	(for ultimate capacity of 10 TPD)	50%	--	--
Bagging Unit	Yet to be awarded	---	(for ultimate capacity of 10 TPD)	50%	--	--
SCADA	Yet to be awarded	---	(for ultimate capacity of 10 TPD)	50%	--	--
Lab	Yet to be awarded	---	(for ultimate capacity of 10 TPD)	50%	--	--
TOTAL		3,442.73			2545.72	20.46

*Copies of Bills/ Invoices not provided



Table No: 13

WORK WISE SUMMARY OF INVOICES BILLS SEEN IN OFFICE FOR PLANT & MACHINERY

PLANT & MACHINERY		
Particulars	Vendor	Expenditure verified through bills (In Rs. In Cr.)
Digester	PlanET	10.74
BUP	BGEI	7.84
Plant Electricals	Electro Control Systems	1.89
TOTAL		Rs. 20.46

Comment/Note:

- We have given a general overview of the project based on expenses shown by chartered accountant in their CA certificate as per CA Certificate dated 31st December 2023 with UDIN No. 24519826BKARMT6028 based on the data/ information gathered from client and the observation made during the site survey.
- Civil work cost expenditure assessment is done considering market rates and rates prescribed by CPWD based on the progress seen during the site visit.
- In Civil works cost assessment, area/ quantity is supplied by the company.
- The rates are adopted as per the percentage completion of work.
- Bills/ Invoices of civil works has not been verified at our end.
- The copy of invoices/P.O were not provided to us for our records, however some of the invoices/ bills were shown to us at the Carbon Circle head office.
- 5%-10% variance in measurement should be considered.



3. SOURCES OF FINANCE & UTILIZATION OF FUNDS:

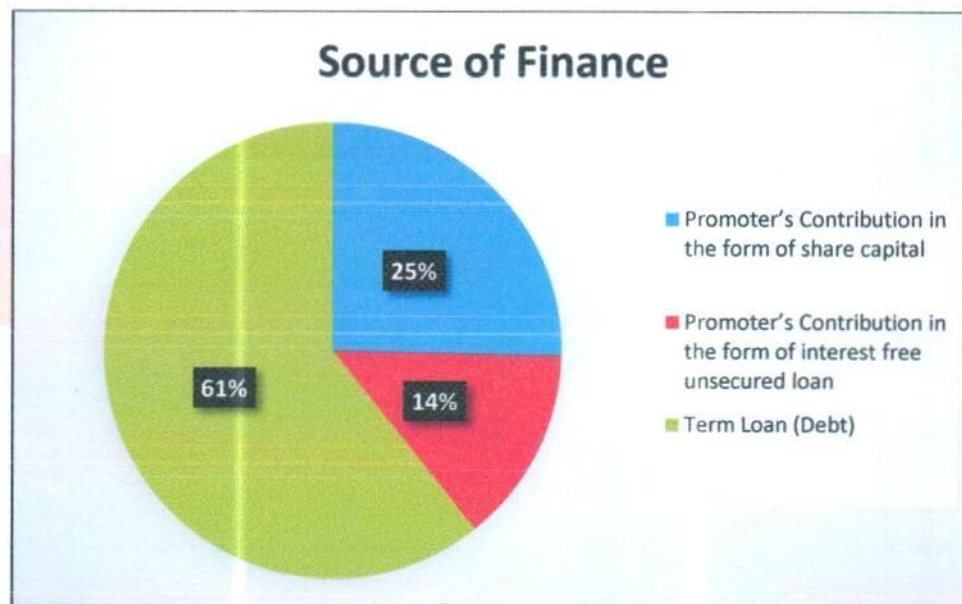
The Project cost mentioned above has been planned to be covered from following resources:

Table No: 14

(Amount in Rs. Crore)

PARTICULARS	
Promoter's Contribution in the form of share capital	10.00
Promoter's Contribution in the form of interest free unsecured loan	6.40
Term Loan (Debt)	24.00
TOTAL	40.40

Source: As per CA Certificate



(Signature)

(Signature)

(Circular Stamp: R K Associates Valuers & Techno Engineers Pvt. Ltd.)

PART F

STATUTORY & REGULATORY APPROVALS, CLEARANCES & NOC

Table No: 15

Sr. No.	NAME OF LICENSE/ REGISTRATION	PURPOSE	DATE OF ISSUE	CURRENT STATUS
	ISSUING AUTHORITY		LICENCE NO.	
1.	Change of Land Use Certificate (CLU)	Change in land use	29/03/2023	Obtained (for 2.74 hectare of Land)
2.	Building Plan Approval	Approval of building plans	---	To be obtained
3.	Pollution Certificate	Consent to establish new unit	02/01/2023	NOC is obtained by the Company from the competent Authority.
	Uttar Pradesh Pollution Control Board		173061/UPPCB	
4.	Electricity Connection	---	---	Obtained
5.	Fire NOC	---	---	To be obtained
6.	Application for prior approval of only filling of compressed gas cylinders	Application for the grant to fill compressed gases in cylinders	16/01/2023	Obtained
	PESO		OIN1283802	

Observations & Comments:

Above mentioned are the preliminary approvals which are required for the Project. The status mentioned above is as per the documents provided by the client.



PART G

PROJECT SCHEDULE & CURRENT STATUS

The timeline and scheduling for the implementation of the "Bio Mass to CBG Plant" is to complete within twelve months from the date of ordering the main packages, specifically the Anaerobic Reactor package and Bio Gas purification package, which are long lead items for the project.

The target was to commission the project and start commercial production by 1st November 2023.

Table No: 16

AS PER CONSULTANCY SERVICES CELL, LHO NEW DELHI			
Activity	Commencement	Expected date of completion	Current Status
Land Purchased	---	Purchased	Completed
Civil Construction	April 2023	Sep 2023	Work in progress. Likely to be completed by March-April 2024 as per present progress.
Plant & Machinery	August 2023	Apr 2024	Major have arrived but few machines yet to arrive.
Trial Run	---	May 2024	To be done
Commercial Operation	---	June 2024	To be done

Current Status:

- During the recent site visit, it was observed that the project's progress is at a good pace as compared to the last site visit.
- Major civil works has been completed or are in the last stage.
- Few machines were found to be arrived but most of the machines are yet to be arrived.
- Further, the company is proactively planning and implementing measures to get the project back on track and aiming to start the commissioning and COD (Commercial Operation Date) by March-April 2024 as informed by the representative on site.



PART I

DISCLAIMER

1. No employee or member of R.K Associates has any direct/ indirect interest in the Project.
2. This report is prepared based on the copies of the documents/ information which the Bank/ Borrower has provided to us out of the standard checklist of documents sought from them and further based on our assumptions and limiting conditions. The client/owner and its management/representatives warranted to us that the information they supplied was complete, accurate and true and correct to the best of their knowledge. All such information provided to us has been relied upon in good faith and we have assumed that it is true and correct in all respect. I/We shall not be liable for any loss, damages, cost or expenses arising from fraudulent acts, misrepresentations, or wilful default on part of the owner, borrower, its directors, employee, representative or agents. Verification or cross checking of the documents provided to us from the originals or from any Govt. departments/ Record of Registrar has not been done at our end since this is beyond the scope of our work. If at any time in future, it is found or came to our knowledge that misrepresentation of facts or incomplete or distorted information has been provided to us then this report shall automatically become null & void.
3. Legal aspects for eg. investigation of title, ownership rights, lien, charge, mortgage, lease, sanctioned maps, verification of documents, etc. have not been done at our end and same has to be taken care by legal expert/ Advocate. It is assumed that the concerned Lender/ Financial Institution has satisfied them with the authenticity of the documents, information given to us and for which the legal verification has been already taken and cleared by the competent Advocate before requesting for this report. I/ We assume no responsibility for the legal matters including, but not limited to, legal or title concerns.
4. This report is a general analysis of the project based on the scope mentioned in the report. This is not an Audit report, Design document, DPR or Techno feasibility study. All the information gathered is based on the facts seen on the site during survey, verbal discussion & documentary evidence provided by the client and is believed that information given by the borrower is true best of their knowledge.
5. All observations mentioned in the report is only based on the visual observation and the documents/ data/ information provided by the client. No mechanical/ technical tests, measurements or any design review have been performed or carried out from our side during Project assessment.
6. Bank/FII should ONLY take this report as an Advisory document from the Financial/ Chartered Engineering firm and its specifically advised to the creditor to cross verify the original documents for the facts mentioned in the report which can be availed from the borrowing borrower directly.
7. In case of any default in loans or the credit facility extended to the borrowing borrower, R.K Associates shall not be held responsible for whatsoever reason may be and any request for seeking




any explanation from the employee/s of R.K Associates will not be entertained at any instance or situation.

8. The documents, information, data provided to us during the course of this assessment by the client is reviewed only up to the extent required in relation to the scope of the work. No document has been reviewed beyond the scope of the work.
9. This report only contains general assessment & opinion as per the scope of work evaluated as per the information given in the copy of documents, information, data provided to us and/ and confirmed by the owner/ owner representative to us at site which has been relied upon in good faith. It doesn't contain any other recommendations of any sort including but not limited to express of any opinion on the suitability or otherwise of entering into any transaction with the borrower.
10. We have relied on data from third party, external sources & information available on public domain also to conclude this report. These sources are believed to be reliable and therefore, we assume no liability for the truth or accuracy of any data, opinions or estimates furnished by others that have been used in this analysis. Where we have relied on data, opinions or estimates from external sources, reasonable care has been taken to ensure that such data has been correctly extracted from those sources and /or reproduced in its proper form and context, however still we can't vouch its authenticity, correctness or accuracy.
11. This Report is prepared by our competent technical team which includes Engineers and financial experts & analysts.
12. This is just an opinion report and doesn't hold any binding on anyone. It is requested from the concerned Financial Institution which is using this report for taking financial decision on the project that they should consider all the different associated relevant & related factors also before taking any business decision based on the content of this report.
13. All Pages of the report including annexures are signed and stamped from our office. In case any paper in the report is without stamp & signature then this should not be considered a valid paper issued from this office.
14. Though adequate care has been taken while preparing this report as per its scope, but still we can't rule out typing, human errors, over sightedness of any information or any other mistakes. Therefore, the concerned organization is advised to satisfy themselves that the report is complete & satisfactory in all respect. Intimation regarding any discrepancy shall be brought into our notice immediately. If no intimation is received within 15 (Fifteen) days in writing from the date of issuance of the report, to rectify these timely, then it shall be considered that the report is complete in all respect and has been accepted by the client upto their satisfaction & use and further to which R.K Associates shall not be held responsible in any manner.
15. Defect Liability Period is **15 DAYS**. We request the concerned authorized reader of this report to check the contents, data and calculations in the report within this period and intimate us in writing if any corrections are required or in case of any other concern with the contents or opinion

mentioned in the report. Corrections only related to typographical, calculation, spelling mistakes, incorrect data/ figures/ statement will be entertained within the defect liability period. Any new changes for any additional information in already approved report will be regarded as additional work for which additional fees may be charged. No request for any illegitimate change in regard to any facts & figures will be entertained.

16. R.K Associates encourages its customers to give feedback or inform concerns over its services through proper channel at valuers@rkassociates.org in writing within 15 days of report delivery. After this period no concern/ complaint/ proceedings in connection with the Financial Feasibility Study Services will be entertained due to possible change in situation and condition of the subject Project.
17. Our Data retention policy is of **ONE YEAR**. After this period, we remove all the concerned records related to the assignment from our repository. No clarification or query can be answered after this period due to unavailability of the data.
18. This Lender's Independent Engineer report is governed by our (1) Internal Policies, Processes & Standard Operating Procedures, (2) Information/ Data/ Inputs given to us by the client and (3) Information/ Data/ Facts given to us by our field/ office technical team. Management of R.K Associates never gives acceptance to any unethical or unprofessional practice which may affect fair, correct & impartial assessment and which is against any prevailing law. In case of any indication of any negligence, default, incorrect, misleading, misrepresentation or distortion of facts in the report then it is the responsibility of the user of this report to immediately or at least within the defect liability period bring all such act into notice of R.K Associates management so that corrective measures can be taken instantly.
19. R.K Associates never releases any report doing alterations or modifications from pen. In case any information/ figure of this report is found altered with pen then this report will automatically become null & void.



SURVEY ANALYST	ENGINEERING ANALYST	L1/L2 REVIEWER
Vishal Singh & Ashil Baby	Deepak Kumar Singh	Vishal Singh
		

For

R.K. Associates Valuers and Techno Engineering Consultants Pvt. Ltd

Place: Noida

Date: 12th February 2024


DEFECT LIABILITY PERIOD - In case of any query/ issue or escalation you may please contact Incident Manager by writing at valuers@rkassociates.org. We ensure 100% accuracy in the Calculations done, Rates adopted and various other data points & information mentioned in the report but still can't rule out typing, human errors or any other mistakes. In case you find any mistake, variation, discrepancy or inaccuracy in any data point of the report, please help us by bringing all such points into our notice in writing at valuers@rkassociates.org within 30 days of the report delivery, to get these rectified timely, failing which R.K Associates Valuers Techno Engineering Consultants (P) Ltd. won't be held responsible for any inaccuracy in any manner. Also, if we will not hear back anything from you within 30 days, we will assume that report is correct in all respect and no further claim of any sort will be entertained thereafter. We would welcome and appreciate your feedback & suggestions in order to improve our services.

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ENCLOSURE 1: IMPORTANT DOCUMENTS EXHIBIT

DOCUMENT-1: CA CERTIFICATE DATED 31/12/2024



CA Certificate dated 31-12-2023



YSR & Associates
CHARTERED ACCOUNTANTS

214, Basement, Sector-47
 Gurugram - 122001 (Haryana) INDIA
 Tel: 0124-4146262
 E-mail: mail@ysr.net.in
 Web: www.ysr.net.in
 GURUGRAM | DELHI | GHAZIABAD

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the expenditure incurred till 31st December 2023 by M/s Carbon Circle Private Limited, a company incorporated under the Companies Act, 2013 bearing CIN: U40100HR2021PTC098872 towards its proposed Compressed Biogas Plant of Capacity 5 Ton Per Day (TPD) being set-up at Baheri, District Bareilly, Uttar Pradesh is as follows :-

Utilization of Funds:

S.No.	Description	Project Cost as budgeted	Expenditure incurred till 31 st Dec 2023
1	Land including land development	1.15	1.63
2	Building	8.74	9.67
3	Plant & Machinery (Imported & domestic)	26.16	24.50
4	Preoperative Expenses	1.75	3.28
	Total Hard Cost	37.80	39.08
5	Interest During Construction (IDC)	2.40	0.61
6	Margin Money for Working Capital	0.20	0.00
	Total	40.40	39.69

Amount in Rs. Crore

The Sources of Funds for the above expenditure are as follows:

S.No.	Means of Finance	As budgeted	As on 31 st Dec 2023
1	Promoter's Contribution in the form of Share Capital	10.00	11.06
2	Promoter's Contribution* in the form of interest free Unsecured Loan	6.40	5.42
3	Term Loan	24.00	23.21
	Total	40.40	39.69

Amount in Rs. Crore

* Promoter: Mr. Guru Inder Mohan Singh

Above mentioned project costs are provisional and are purely based upon the bank statement, supporting evidences, information and assurance provided and the best judgement exercised by the management of the Company.

This certificate has been issued on the specific request of the management of M/s Carbon Circle Private Limited for financing this project and shall not be used for any other purpose.

For YSR & Associates
 Chartered Accountants

**SUDHIR
 SINGH
 YADAV**


Digitally signed by:
 SUDHIR SINGH
 YADAV
 Date: 2024.01.02
 17:20:11 +05:30

CA Sudhir S. Yadav
 Partner
 M.No. 519826
 Place: Gurgaon

Date: 02-Jan-2024 UDIN: 24519826BKARMT6028



DOCUMENT- 2: APPROVAL OF FILLING OF COMPRESSED GAS CYLINDERS



भारत सरकार / Government of India
वाणिज्य और उद्योग मंत्रालय / Ministry of Commerce & Industry
पेट्रोसियम तथा विस्फोटक सुरक्षा संगठन (पैसो) / Petroleum & Explosives Safety Organisation (PESO)
पाँचवा तल, ए-ब्लॉक, सी.जी.ओ. कॉम्प्लेक्स, सेमिनरी हिल्स
नागपुर- 440006
5th Floor, A-Block, CGO Complex, Seminary Hills, Nagpur - 440006

ईमेल/ E-mail : explosives@explosives.gov.in
दूरभाष/Phone/Fax No : 0712 -2510248, Fax-2510577
दि/ Dated : 30/05/2023

पूर्वानुमोदन सं/Prior Approval No : A/G/HO/UP/05/607 & A/G/HO/UP/06/586 (G116303)

सेवा में To,

M/s. CARBON CIRCLE PRIVATE LIMITED,
Carbon Circle Pvt. Ltd.Level-3,The Circle...
Huda City Centre Metro Station, Sector-29,
Gurgaon,
Taluka: Gurgaon,
District: GURGAON
State: Haryana
Pin : 122002

विषय/Sub : Khasra No. 391 and 161, Khasara No. 391 Village- Shapur Dandi and Khasara No. 161 Village- Basupura, Shapur Dandi and Basupura, Baheri, Taluka: Baheri, District: BAREILLY, State: Uttar Pradesh, Pin : 243201. में सिलिंडरों में Compressed Bio Gas (CBG) गैस का भरण एवं भण्डारण मोडालिटी. गैस सिलिंडरों से नियम, 2016 के अंतर्गत अनुमोदन जारी करने के बारे में/ Filling of Compressed Bio Gas (CBG) and Storage of Compressed Bio Gas (CBG) gas in cylinders at Khasra No. 391 and 161, Khasara No. 391 Village- Shapur Dandi and Khasara No. 161 Village- Basupura, Shapur Dandi and Basupura, Baheri, Taluka: Baheri, District: BAREILLY, State: Uttar Pradesh, Pin : 243201. under Gas Cylinders Rules , 2016 - Grant of approval

महोदय/Se(s).

कृपया आशंक दि. 09/05/2023 के पर सं OIN1351306 का संदर्भ ग्रहण करें / Please refer to your application No OIN1351306 dated 09/05/2023

प्रस्तुतित भरण एवं भण्डारण सुविधाओं का साईट लेआउट एवं निर्माण योजना अनुमोदित की जाती है और प्रत्येक की एक दो हस्तक्षरित प्रतियां अनुमोदन के टोकन के रूप में इसके साथ लौटाई जा रही है / The site layout and construction plan of the proposed Filling-cum-Storage facilities is approved and one/two copy each of the same is returned herewith duly signed in token of approval. Conditions of the Approval:-

Online purity analyser to be provided. The online purity analyser provided to be connected to a system (computer) in office room for storing of purity of gas report every day.

Auto cut off switch to be provided prior to compressor which in turn to be connected to the gas holder.

Laboratory to be provided with suitable instruments for verifying purity of gas

Emergency Shutdown switches to be provided at strategic locations

Sprinklers to be provided for filling and storage area of the premises

Fire hydrants to be provided to be shown in drawings. Location of water storage facility to be shown.

Purity of CBG shall be as per IS 16087 and the same shall be mentioned in drawings.

Filling pressure shall not exceed 150 kg/cm² which is to be marked in drawings.

All flame proof enclosures to be provided for lights & other fittings shall be IS:IEC 60079 Part-I

A parapet wall of high 1 M to be provided for filling and storage premises.

Please provide cylinder loading / unloading area beyond the safety zone of the filled cascade storage area & lifting arrangement (non-electric) to be provided

क्रम/Sr No	आरेखण दिनांक/Drawing Date	आरेखण नंबर/Drawing Number	आरेखण विवरण/Drawing Description
1	11/04/2023	1-2022133-300-0222 Rev.2	Drawing of cylinder filling station
2	11/04/2023	1-2022133-300-0222 Rev.2	Equipment layout plan for filling and storage shed
3	11/04/2023	1-2022133-300-0222 Rev.2	Site layout plan showing all the premises within 100 / 500 meters

आपसे निवेदन है कि अनुमोदित आरेखणों के अनुसार सुविधाओं के पूर्ण होने पर अनुज्ञति जारी करने हेतु गैस सिलिंडर नियम में यथा आवश्यक निम्नलिखित दस्तावेज अर्पित करें / After completion of the facilities as per the approved drawing, you are requested to forward the following documents for grant of licence as required under the Gas Cylinder Rules :-

- सिलिंडरों में Compressed Bio Gas (CBG) गैस भरने के लिए अनुज्ञति LICENCE TO FILL Compressed Bio Gas (CBG) GAS IN CYLINDERS
 - प्रत्येक गैस के कुल सिलिंडरों को दर्शाते प्रमाण पत्र में विधिवत भरा हुआ एवं हस्ताक्षरित आवेदन और अर्जों को भरने की कुल संख्या दर्शाए / An application in Form 'C' duly filled and signed showing total number of filling Points and Numbers of the filled cylinders to be stored (in triplicate)
 - गैस सिलिंडर नियम, 2016 के तहत ऑनलाइन आवेदन पोर्टल पर उपलब्ध है-भुगतान सुविधा के माध्यम से प्रति वर्ष रु 5000/- का साइसेस शुल्क ऑनलाइन जमा किया जाना है / A license fee of Rs. 5000/- per year to be submitted online through e-payment facility available on online application portal under Gas Cylinders Rules, 2016.
 - उक्त नियम के नियम 17 के तहत आवश्यक दस्तावेजों सबूत के साथ (तीन प्रतियों में) भरण एवं भण्डारण के परिचालन हेतु जिम्मेदार संबंध प्रभारी, संबंध पर्यवेक्षक परिचालकों, आदि सहित सक्षम व्यक्तियों के नाम, योग्यता और अनुभव दर्शाते बायो-डाटा / Bio-data indicating name, qualification and experience of the competent persons including plant in-charge, plant supervisors operators, etc. responsible for filling and storage operations as required under rule 17 of the said rules with documentary evidence (in triplicate)
 - अनुमोदित आरेखण की चार प्रतियां / 4 copies of the replica approved drawings
 - उपरोक्त नियम के नियम 25, 26 और 39 से 44 तक के प्रावधानों की आवश्यकताओं का किस तरह अनुपालन किया जाएगा, इस आशय का समीक्षात्मक विवरण / A write-up in duplicate clearly indicating as to how you shall comply with requirements of the provisions of rules 25, 26 and 39 to 44 of the said rules.
 - संपूर्ण मुस्तत विस्फोटक तक नियंत्रक, कोलकाता को प्रतिलिपि देते हुए (तीन प्रतियों में) उसके साथ अनुज्ञति जारी करने/ नवीकरण/ संशोधन के संबंध में पत्राचार में हस्ताक्षर करने हेतु अधिकृत व्यक्तियों के नमूना हस्ताक्षर / Specimen signatures of the persons authorised to sign the correspondence in connection with grant/renewal/amendment of licence with a copy to the Jt Chief Controller of Explosives, Agra (in triplicate)
 - अनुमोदित आरेखण के अनुसार गोदाम का निर्माण कार्य पूर्ण हो चुका है, इस आशय का प्रमाण पत्र / A certificate to the effect that the facilities have been constructed as per approved drawings
 - मुख्य भरण लाइन में सुरक्षा राहत वाल्व का सेट प्रेशर स्थापित किया जाना / Set pressure of the safety relief valve to be installed in the main filling line
 - सभी भागीदारों के नाम और पते और साझेदारी बिलेख की प्रति (साझेदारी फर्म के मामले में) / रजिस्ट्रार ऑफ कंपनियों से फंक्शनर प्रमाणपत्र और आवश्यक संस्था के बहिर्निगम (कंपनी अधिनियम के तहत फंक्शनर कंपनी के मामले में) (तीन प्रतियों में) / Name and address of all the partners and copy of partnership deed (in case of partnership firm) / registration certificate from the Registrar of Companies and necessary memorandum of article (in case of company registered

DOCUMENT-3: POLLUTION CERTIFICATE



UTTAR PRADESH POLLUTION CONTROL BOARD
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

Validity Period :01/01/2023 To 31/12/2025

Ref No. - 173061/UPPCB/Bareilly(UPPCBRO)/CTE/BAREILLY/2022 Dated:- 02/01/2023

To ,

Shri Carbon Circle Pvt Ltd.
M/s Baheri OORJA
Khasra No. 391, Village-Shahpur Dandi, Block-Baheri,BAREILLY,243201
BAREILLY

Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Pollution) Act, 1981 as amended.

Please refer to your Application Form No.- 19099544 dated - 26/12/2022. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

1. Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates : 28.709050 & 79.488986

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
AGRICULTURE WASTE, PRESS MUD, ETC	Metric Tonnes/Day	

C- Product with capacity :

Product Detail	
Name of Product	Product Quantity
BIO GAS (C.B.G) (TON/DAY)	10

D- By-Product if any with capacity :

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
BIO FERTILIZER	Metric Tonnes/Day	108	108

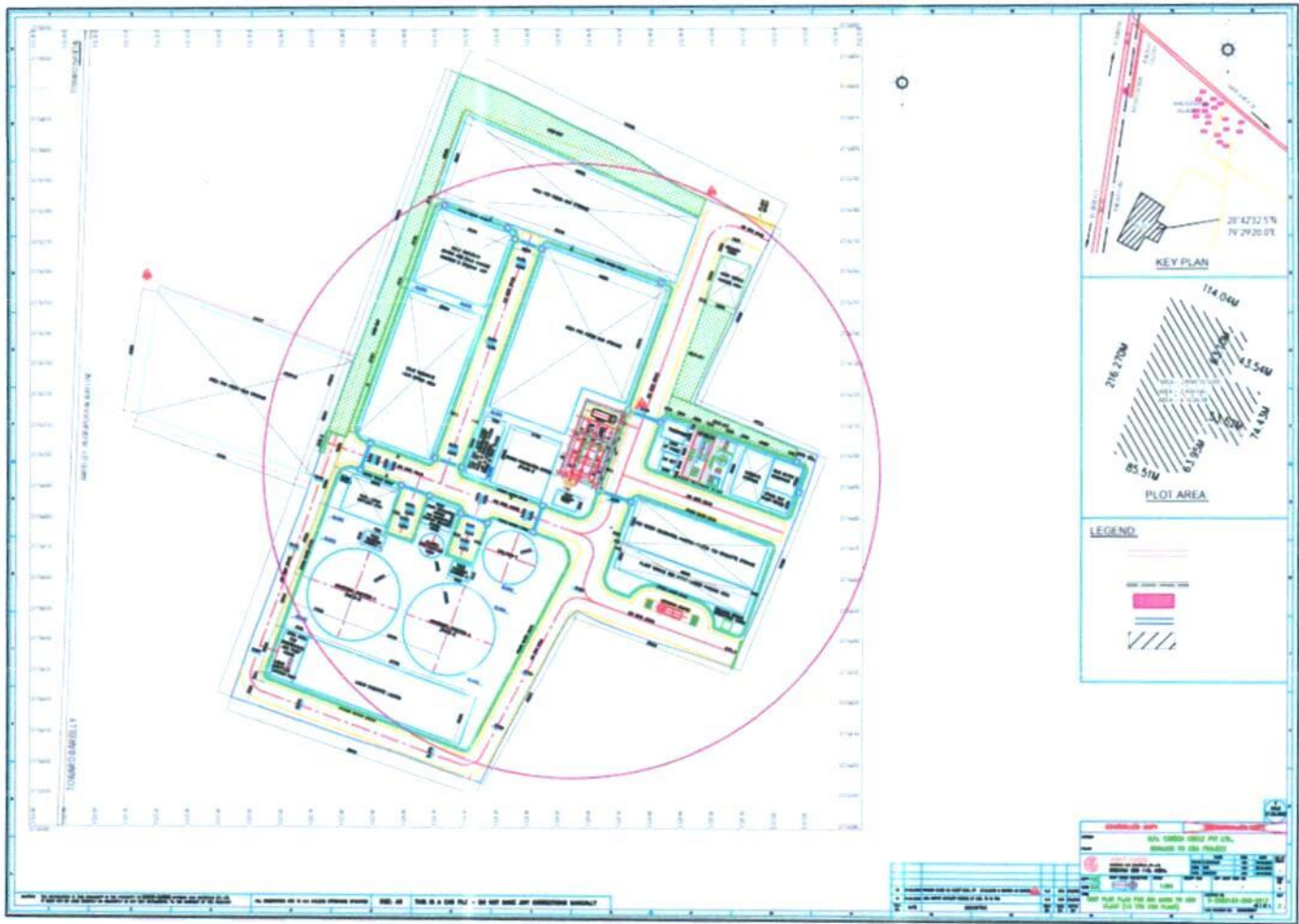
2. Water Requirement (in KLD) and its Source :

Source of Water Details		
Source Type	Name of Source	Quantity (KLD)
Ground Water (within premises)	Bore well	200.0

3. Quantity of effluent (In KLD) :



DOCUMENT 4: SITE PLAN



1.1 錯誤 4.5

निर्णय

पंचावली के अवलोकन से विदित है कि प्रश्नगत भूमि स्थित ग्राम शाहपुर डांडी परगना रिखा तहसील बहेरी जिला बलौ के खाता संख्या 0232 गाँव संख्या 39: रकबा 2 1430 हे० के सम्पूर्ण भाग को धारा 80 (1) 30 प्र० राजस्व संहिता 2006 के तहत अन्वयक उद्घोषित करायें जाने हेतु वाद इस न्यायालय में याजित किया गया। प्रश्नगत भूमि पर आदेशक कार्वन सैकिल प्राइवेट लिमिटेड रिजल्टेड आफिस नं० 43 सम्मिट टी एल एन 5 मरुस्थल हरियाणा 122002 द्वारा अधिकृत प्रतिनिधि डिप्टी जनरल मेनेजर कृष्ण नन्दु पाण्डेय गुरु गोपाल जी पौडेल निवासी माने नम्बर 2 पंचनपुर वस्ती ईस्ट अहमगल लोक लेखनी बक नं० 1 जगनपुर पटना बिहार को नाम बतौर सहायतादात संकेतणी

आदेश

(अजय कुमार उपाध्याय)
उपजिलाधिकारी
बहेली बरेली



DOCUMENT 5: ELECTRIC CONNECTION CERTIFICATE



कार्यालय
अधिकांसी अभियन्ता
विद्युत वितरण खण्ड, बहेडी, बरेली।
ईमेल eddbaheri@gmail.com

पत्रांक- 4413 / वि०वि०ख० / बहेडी

दिनांक 16/09/23

कार्यालय ज्ञाप

एतद् द्वारा उत्तर प्रदेश पावर कारपोरेशन के आदेश संख्या 577-कार्य / चौदह / पाकालि / 2020-03 के०वी०/95 दिनांक 31.03.2020 में निहित आदेशों के अनुक्रम में मै० कार्बन सर्किल प्रा०लि० वी०-43 सुमिट डी०एल०एफ०-V गुडगांव हरियाणा के द्वारा 1500 के०वी०ए० का संयोजन 33 के०वी० विभव पर स्वतंत्र पोषक पर गाटा संख्या 391, ग्राम शाहपुर डांडी परगना रिछा तहसील बहेडी में 15 प्रतिशत सुपरवीजन चार्ज जमा करा कर संयोजन कराने हेतु अनुमति निम्नलिखित शर्तों पर दी जाती है-

- 1-उपभोक्ता के द्वारा विद्युत सुरक्षा निदेशालय, लखनऊ से क श्रेणी के विद्युत कार्य हेतु अधिकृत/लाइसेंस प्राप्त कान्ट्रैक्टर से विभागीय मानकों के अनुसार लाइन/परिवर्तक स्थापना का कार्य किया जायेगा एवं किये गये कार्य को सम्बन्धित उपखण्ड अधिकारी से जांच कराना अनिवार्य होगा।
 - 2- विद्युत तन्त्र का निर्माण दिये गये विभागीय प्राकलन के अनुसार किया जायेगा।
 - 3- निर्माण में प्रयुक्त की जाने वाली केन्द्रीकृत/विकेन्द्रीकृत सामग्री निगम द्वारा पूर्व में अनुमोदित किये गये निगम विशिष्टीकरण के अनुरूप कय की जायेगी जिसके समस्त सत्यापित बाउचर खण्ड कार्यालय में जमा करने होंगे।
 - 4- निर्मित लाइन एवं विद्युत इन्फ्रास्ट्रक्चर का अनापत्ति प्रमाण पत्र निदेशक विद्युत सुरक्षा से प्राप्त करना अनिवार्य होगा, जिसकी प्रति विद्युत वितरण खण्ड के कार्यालय में प्रेषित करना अनिवार्य होगा एवं अनापत्ति प्रमाण पत्र प्रेषित करने के उपरान्त ही संयोजन ऊर्जीकृत किया जायेगा।
 - 5-विद्युत लाइन के निर्माण में यदि किसी भी प्रकार का कोई विवाद होता है तो इसकी समस्त जिम्मेदारी आवेदनकर्ता की होगी विद्युत वितरण खण्ड बहेडी कि कोई जिम्मेदारी नहीं होगी।
 - 6- आवेदनकर्ता के द्वारा बनायी गयी विद्युत लाइन में प्रयोग किये गये पोलो पर मार्किंग एवं स्थापित किये गये परिवर्तक पर भी मार्किंग करना आवश्यक होगा।
 - 7- आवेदनकर्ता द्वारा बनायी गयी विद्युत लाइन एवं स्थापित किये गये परिवर्तक का 18 माह तक स्वयं अनुरक्षण करना होगा।
 - 8- कार्य में प्रयुक्त होने वाली सामग्री का प्री डिस्पैच निरीक्षण मध्यांचल विद्युत वितरण निगम लखनऊ के अधीक्षण अभियन्ता क्वालिटी सेल विभाग द्वारा गठित टीम के द्वारा कराया जायेगा।
 - 9- कय की गयी सामग्री लगाने से पूर्व सामग्री का सत्यापन कराना अनिवार्य होगा।
 - 10-लाइन निर्माण हेतु राइट आफ वे का उत्तरदायित्व भावी उपभोक्ता का होगा।
 - 11-स्वीकृत प्राकलन के अनुसार लाइन निर्माण कार्य में यदि रोड कासिंग/रेल कासिंग की आवश्यकता होती है तो सम्बन्धित विभाग से निर्गत अनापत्ति प्रमाण पत्र संलग्न करना अनिवार्य होगा।
- उपरोक्त शर्तों का अनुपालन कराना अनिवार्य होगा।

पत्रांक- / वि०वि०ख० / बहेडी / 4413

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प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. उपखण्ड अधिकारी तृतीय विद्युत वितरण उपखण्ड तृतीय बहेडी।
2. श्री रमेश चन्द्र अवर अभियन्ता 33/11 के०वी० उपकेन्द्र रिछा।
3. सम्बन्धित उपभोक्ता।

(इ० चमन प्रकाश)
अधिकांसी अभियन्ता

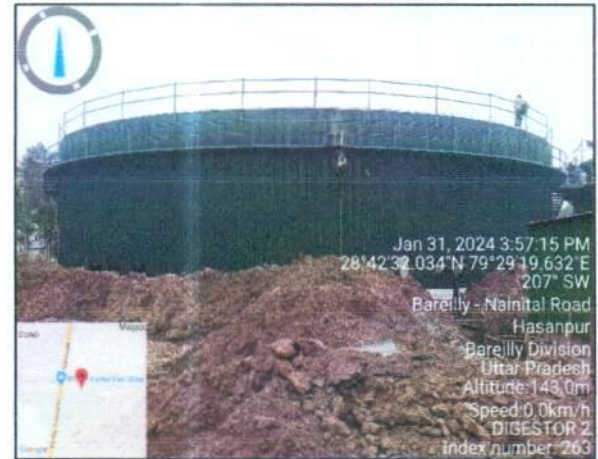
(इ० चमन प्रकाश)
अधिकांसी अभियन्ता



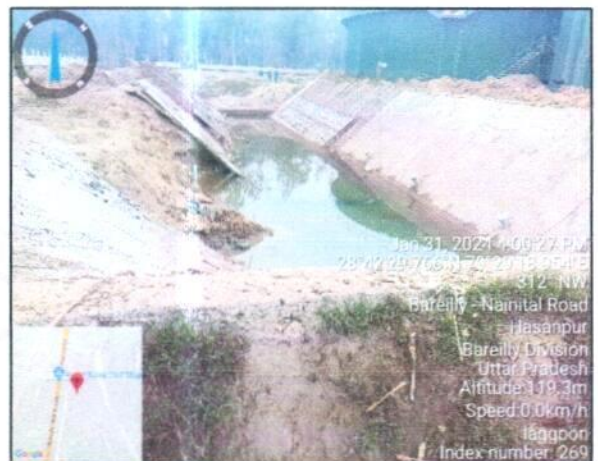
ENCLOSURE-2: - SITE PHOTOGRAPHS



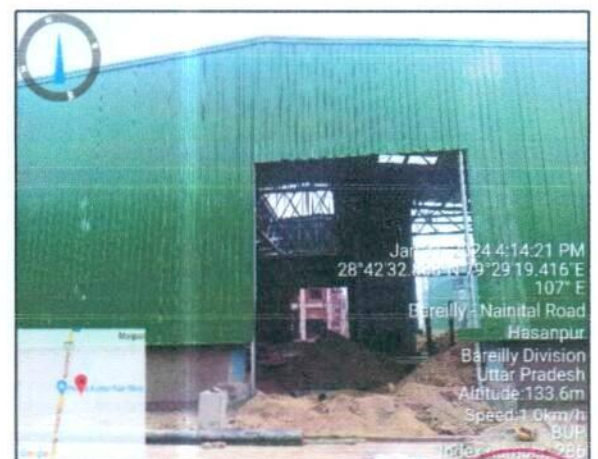
Digester



Lagoon



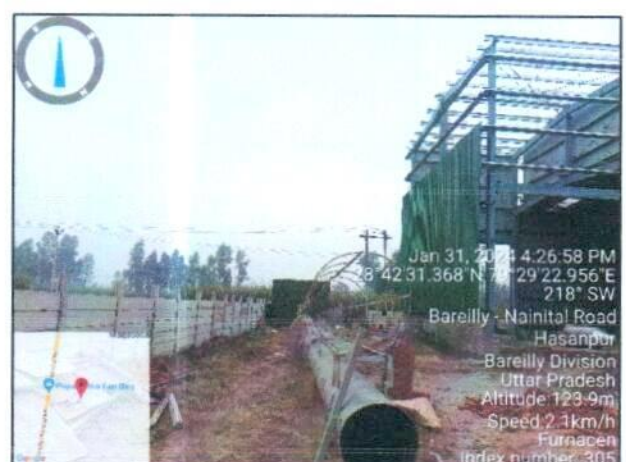
Biogas Up gradation Plant



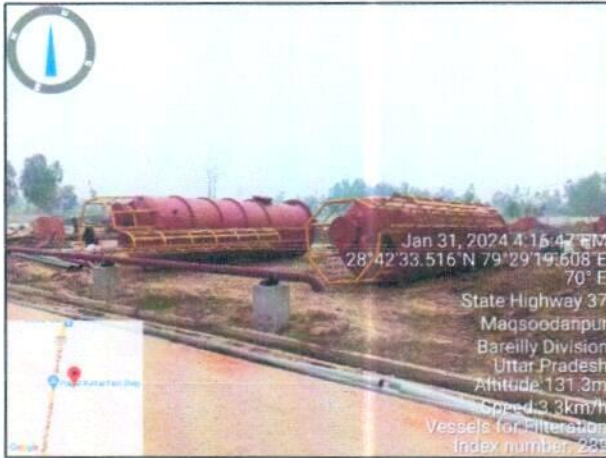
Master Control Room & Office Room



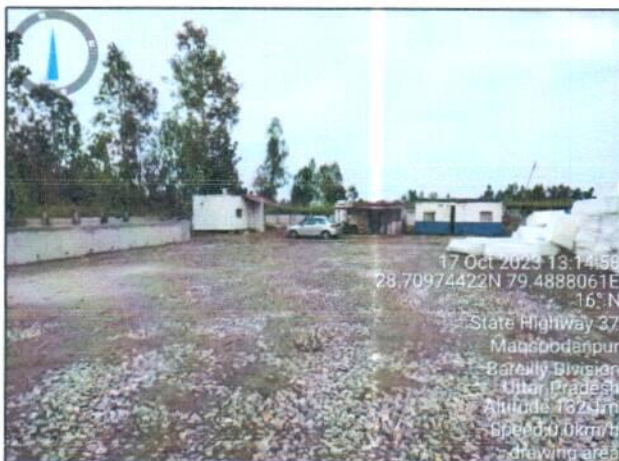
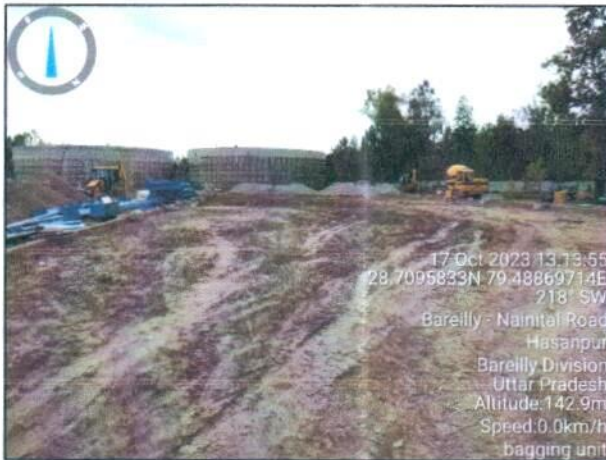
Machines



(Circular Stamp: R.K. Associates Valuers & Techno Engineering Consultants Pvt. Ltd.)
(Signature)



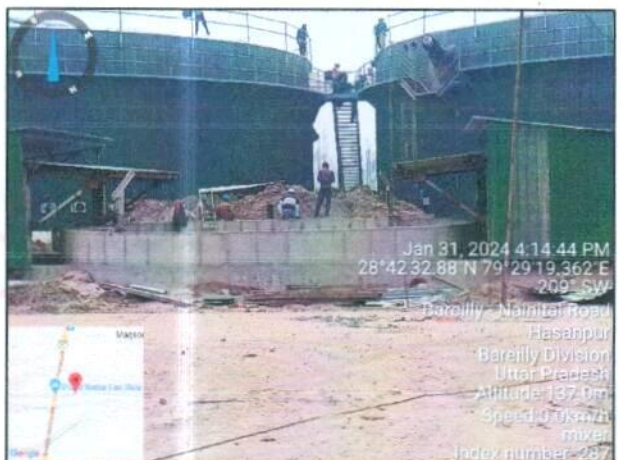
Baggage Unit & Sun Drying Area



Hot water Treatment Plant



Mixer



Other

