

ISAR Engineers Private Limited

e/c

IN - U45202OR1993FTC005533
STIN - 21AAACI9042B1Z6

SUPER CLASS CONTRACTOR

ISAR/CC/05

17/06/2024



To

The Commissioner

Rourkela Municipal Corporation

Rourkela-769012

Subject : Completion of commissioning of bio methanation cum electricity generation plant vide LOA: 6710 dt 24.05.2022

Ref: Our letter no: ISAR/CC/04 Dt 28.05.2024

Our letter no: ISAR/CC/03 Dt 15.05.2024

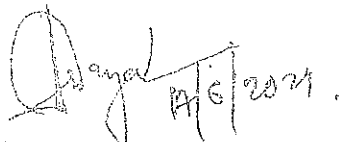
Your letter no: 6433 dt 14.05.2024

Dear Sir,

In continuation to our letter cited above, we are pleased to share that we have successfully completed the re-commissioning as per the direction by your good office vide letter dt 6433 dt 14.04.2024.

We are thankful to the RMC officials for their necessary cooperations.

Thanks and Regards



Asutosh Nayak

CEO Koel Fresh (JV Partner)



R Engineers Private Limited

IC - U45202OR1999PTC005906
TIN - 21AAACI9042B1Z8

(SUPER CLASS CONTRACTOR)

No. ISAR/CC/04

Date: 28/05/2024

To

The Commissioner

Rourkela Municipal Corporation

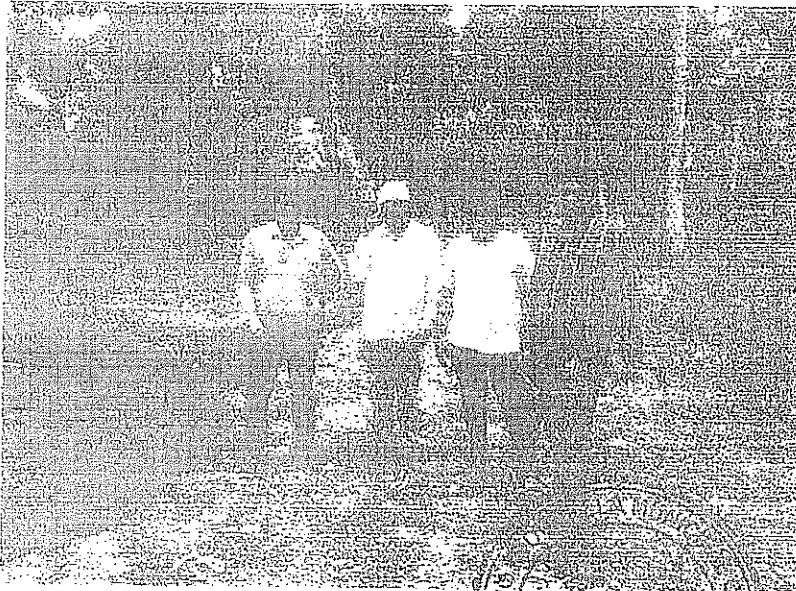
Rourkela - 769012

Subject: Recommissioning of bio-methanation cum electricity generation plant, vide LOA : 6710 dt
24.05.2022

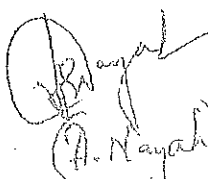
Ref: Our letter no. ISAR/CC/03 Dt 15.05.2024.

Dear Sir,

In continuation to our letter cited above, we are pleased to share that the recommissioning process has started with effective from 28.05.2024 in presence of officials of RMC, ISAR, Koel Fresh and Koshish team. The team will conduct the process for 15 days and submit the report accordingly.



Thanking You


(A. Nayak)
CEO Koel Fresh (partner)



Commissioning Report

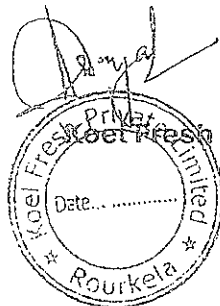
LOA: 6710 Dt 24.05.2022

Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 28/05/2024. Feeding quantity = 5 Tonne.

Facilities	Remarks
Biogas Genset	Systems are working fine.
Food waste crusher	System are working fine.
Digester Agitator	All motors are working fine.
Slurry Separator	System is working fine.
Mixing tank agitator	System is working fine.
Feeding pump	System is working fine.
Slurry pump	system is working fine.
Water recycling pump	System is working fine.
Moisture removal filter	System is working fine.
H2S filter	System is working fine.

ISAR



28.5.24
Rourkela Municipal Corporation

Junior Engineer
Rourkela Municipal Corporation

ISAR Engineers Pvt. Ltd.
Pranveer Kumar Mahapatra
Author Signature

Asst. Executive Engineer
Rourkela Municipal Corporation

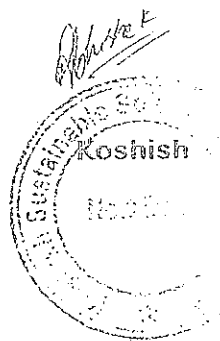
Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 30/05/2024

Feeding quantity: 2.3 Ton

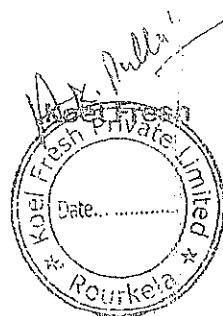
Facilities	Remarks
Biogas Genset	Systems are working fine
Food waste crusher	Systems are working fine.
Digester Agitator	All motors are working fine.
Slurry Separator	Systems are working fine.
Mixing tank agitator	System is working fine
Feeding pump	System is working well
Slurry pump	System is working well
Water recycling pump	System is working well
Moisture removal filter	Systems are working fine
H2S filter	System is working fine

ISAR



ISAR Engineers Pvt. Ltd.

Pranod Kumar Mohanty
Authorised Signatory



Rourkela Municipal Corporation

Junior Engineer
Rourkela Municipal Corporation

30/5/24
Asst. Executive Engineer
Rourkela Municipal Corporation

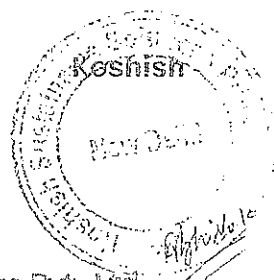
Logbook: Commissioning process of Bio-methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 01/06/2024

feeding quantity = 2.8 To

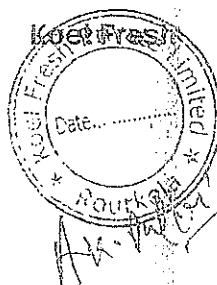
Facilities	Remarks
Biogas Genset	Systems are working fine.
Food waste crusher	Systems are working fine.
Digester Agitator	All motors are working fine.
Slurry Separator	Systems is working fine.
Mixing tank agitator	Systems is working fine.
Feeding pump	Systems is working fine.
Slurry pump	Systems is working fine.
Water recycling pump	Systems is working fine.
Moisture removal filter	System is working fine.
H2S filter	System is working fine.

ISAR



ISAR Engineers Pvt. Ltd.

Pranab Kumar Mohanty.
Authorised Signatory



Asst. Executive Engineer
Rourkela Municipal Corporation

1.6.24
Rourkela Municipal Corporation
Junior Engineer
Rourkela Municipal Corporation

Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date : 04/06/2024

Feeding Quantity : 2.1 Tonne

Facilities	Remarks
Biogas Genset	Systems are working fine.
Food waste crusher	Systems are working fine.
Digester Agitator	Systems are working fine.
Slurry Separator	Systems are working fine.
Mixing tank agitator	Systems are working fine.
Feeding pump	Systems are working fine.
Slurry pump	Systems are working fine.
Water recycling pump	Systems are working fine.
Moisture removal filter	Systems are working fine.
H2S filter	Systems are working fine.

ISAR

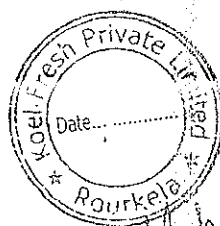


ISAR Engineers Pvt. Ltd.

Pramod Kumar Mohanty.

Authorised Signatory

Koel Fresh



Asst. Executive Engineer
Rourkela Municipal Corporation

Rourkela Municipal Corporation
Junior Engineer
Rourkela Municipal Corporation

Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 06/06/2024

Feeding Quantity - 2.1 Tonne

Facilities	Remarks
Biogas Genset	System is working fine
Food waste crusher	System is working fine
Digester Agitator	All Motors are working well
Slurry Separator	System is working fine
Mixing tank agitator	System is working fine
Feeding pump	System is working fine
Slurry pump	System is working fine
Water recycling pump	System is working fine
Moisture removal filter	System is working fine
H2S filter	System is working fine

ISAR



Koel Fresh



06.06.24

Rourkela Municipal Corporation
Junior Engineer
Rourkela Municipal Corporation

ISAR Engineers Pvt. Ltd.

Pranod Kumar Mohanty

Authorised Signatory

Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 08/06/2024

Feeding Quantity - 2.1 To

Facilities	Remarks
Biogas Genset	System is working fine
Food waste crusher	System is working fine
Digester Agitator	All Motors are working fine
Slurry Separator	System is working fine
Mixing tank agitator	System is working fine
Feeding pump	System is working fine
Slurry pump	System is working fine
Water recycling pump	System is working fine
Moisture removal filter	System is working fine
H ₂ S filter	System is working fine

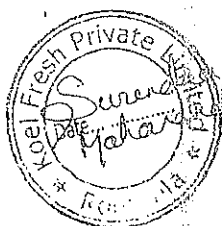
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ISAR Engineers Pvt. Ltd.

Pramod Kumar Mohanty.
Authorised Signatory

Koel Fresh



Amr
8.6.24

Rourkela Municipal Corporation

Junior Engineer
Rourkela Municipal Corporation

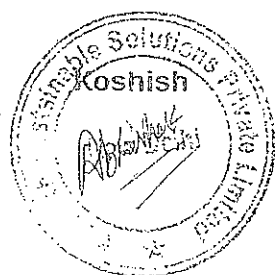
Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 11/06/2024

Feeding Quantity - 2.8 Tonne

Facilities	Remarks
Biogas Genset	System is working fine
Food waste crusher	System is working fine
Digester Agitator	All Motors are working fine
Slurry Separator	System is working fine
Mixing tank agitator	System is working fine
Feeding pump	System is working fine
Slurry pump	System is working fine
Water recycling pump	System is working fine
Moisture removal filter	System is working fine
H2S filter	System is working fine

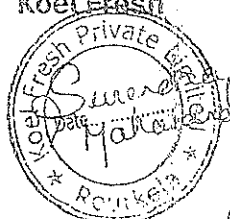
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ISAR Engineers Pvt. Ltd.

Pranod Kumar Mahanti

Koel Fresh



Asst. Executive Engineer
Rourkela Municipal Corporation

11.6.24

Rourkela Municipal Corporation
Junior Engineer
Rourkela Municipal Corporation

Logbook: Commissioning process of Bio methanation cum electricity energy generator plant
vide LOA: 6710 dt 24.05.2022

Date: 13/06/2024

Feeding quantity = 4.1 Tonne

Facilities	Remarks
Biogas Genset	System is working fine
Food waste crusher	System is working fine
Digester Agitator	All Motors are working fine
Slurry Separator	System is working fine
Mixing tank agitator	System is working fine
Feeding pump	System is working fine
Slurry pump	System is working fine
Water recycling pump	System is working fine
Moisture removal filter	System is working fine
H2S filter	System is working fine

ISAR



Koel Fresh



13.6.24
Rourkela Municipal Corporation

Junior Engineer
Rourkela Municipal Corporation

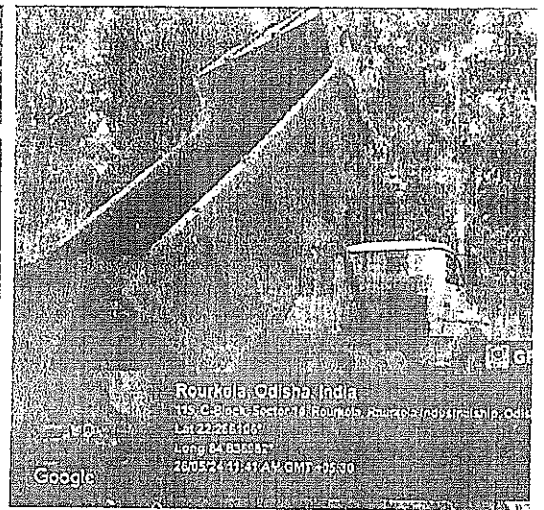
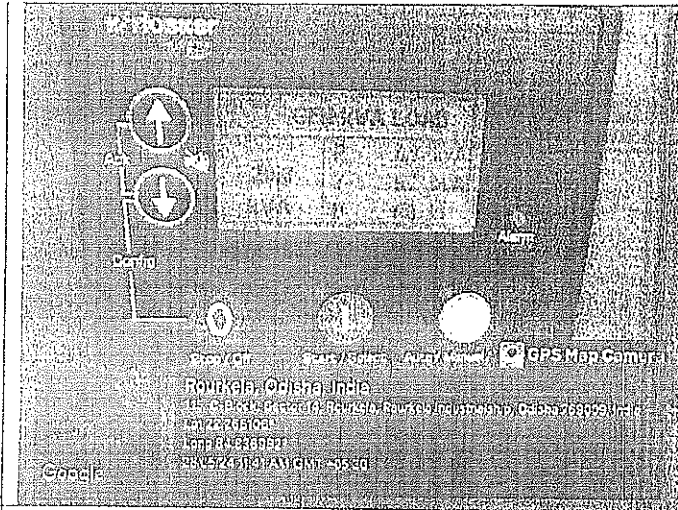
ISAR Engineers Pvt. Ltd.

Pramod Kumar Mohanty
Authorised Signatory

Asst. Executive Engineer
Rourkela Municipal Corporation

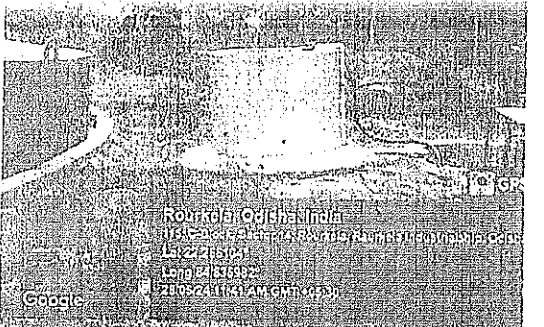
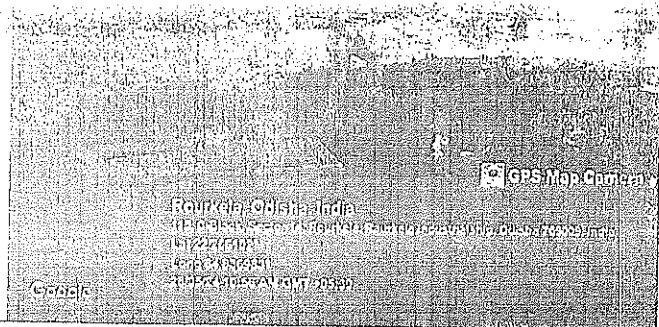
Logbook Images : Commissioning process of Bio methanation cum electricity energy generator plant.
Vide LOA: 6710 dt 24.05.2022

Date: 28.05.2024



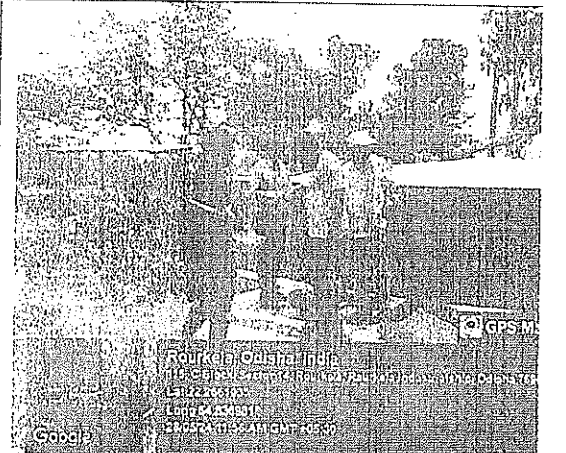
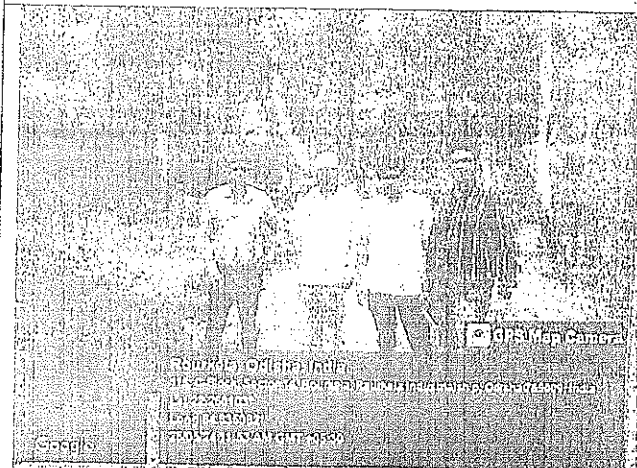
Running Bio Gas Generator : Load 20.3 kVA

Unloading Cow dung – 9 tonne x 2 trip



Cow dung feeding at mixing tank

Feeding Tank - Running - Sewage Submersible Pump - :
1.5kw + Agitator motor 2HP 3PH 1.5kw + Recycle Water
Submersible Pump 2HP 1.5kw 3PH



Reviewed & Verified – Re-Commissioning process start with Mr. J. Panda (AE RMC) & Mr. Karan (JE RMC)

Digester Tank - Running Agitator Motor – 01 & 02 : 11
7.5kw x 2

ISAR

Koshish

ISAR Engineers Pvt. Ltd.

Pranav Kumar Mehan, *Pranav Kumar Mehan*



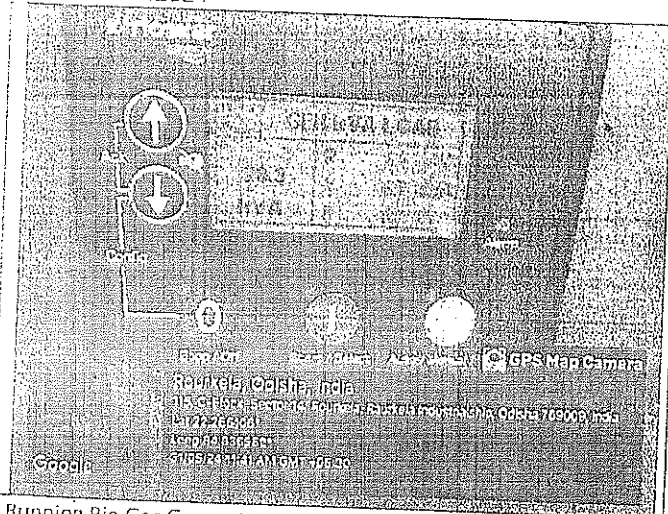
Karan
Rourkela Municipal Corporation

Junior Engineer

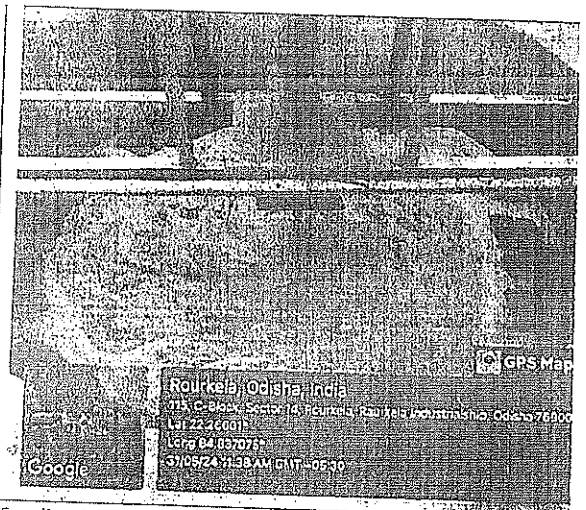
Rourkela Municipal Corporation

Logbook Images : Commissioning process of Bio methanation cum electricity energy generator plant.
 Vide LOA: 6710 dt 24.05.2022

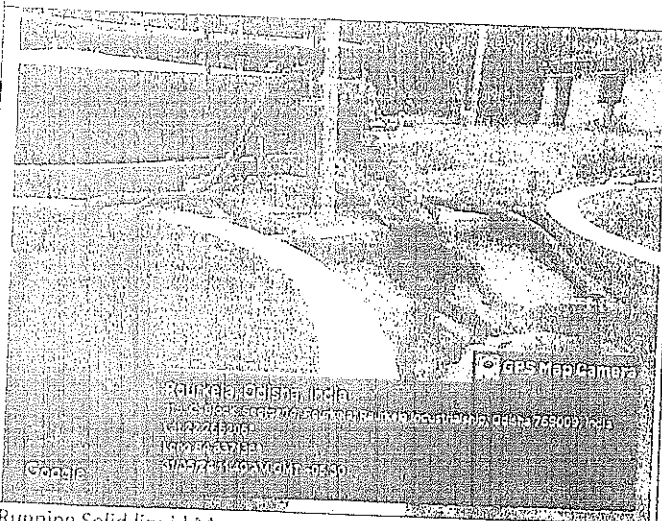
Date: 31.05.2024



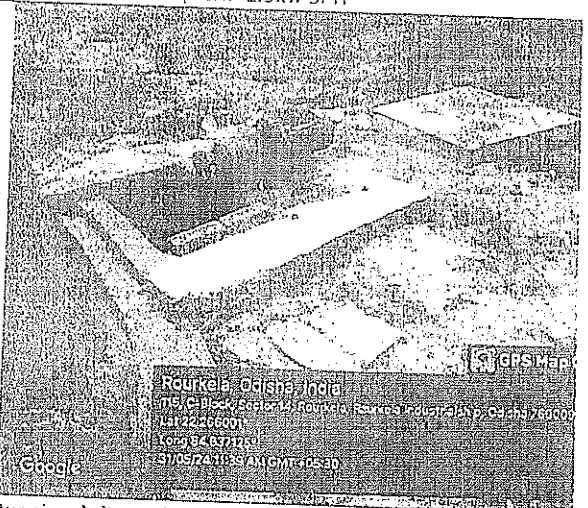
Running Bio Gas Generator : Load 20.3 kVA



Feeding Tank - Running - Sewage Submersible Pump - 2HP 1.5kw + Agitator motor 2HP 3PH 1.5kw + Recycle Water Submersible Pump 2HP 1.5kw 3PH



Running Solid liquid Manure separator machine - 5HP 3PH 1.5kw + Sewage Submersible Pump - 2HP 3PH 1.5kw



Running Agitator Motor - 1 & 2 10HP 3PH 7.5kw x 2

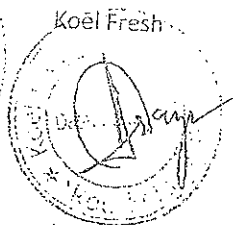
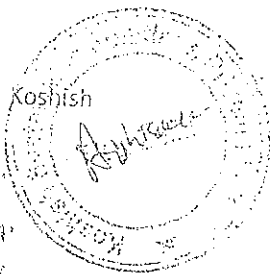
ISAR

Koshish

Koel Fresh

ISAR Engineers Pvt. Ltd.

Pranod Kumar Mohanty
 Authorised Signatory



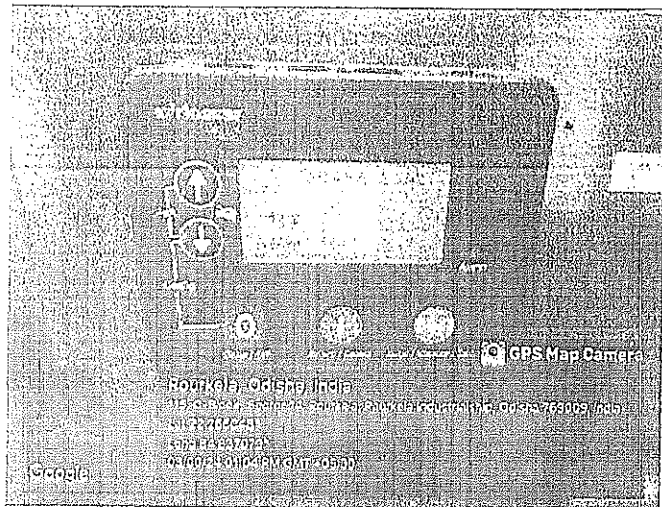
Rourkela Municipal Corporation

Junior Engineer
 Rourkela Municipal Corporation

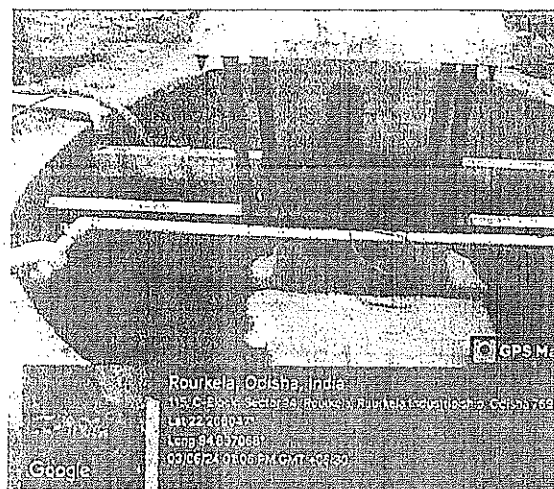
[Signature]

Logbook Images : Commissioning process of Bio methanation cum electricity energy generator plant.
Vide LOA: 6710 dt 24.05.2022

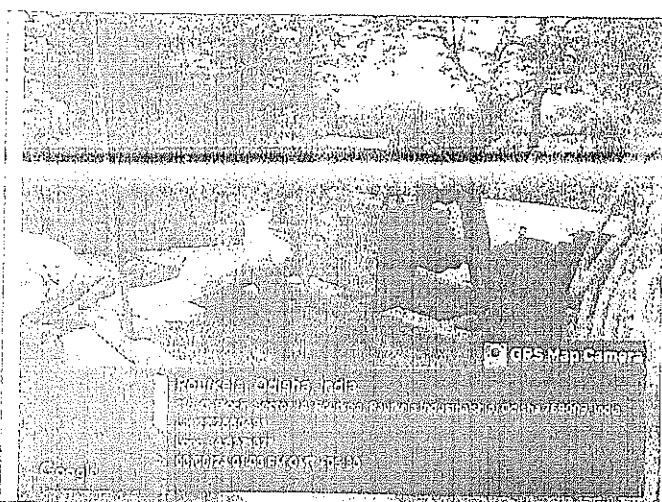
Date: 03.06.2024



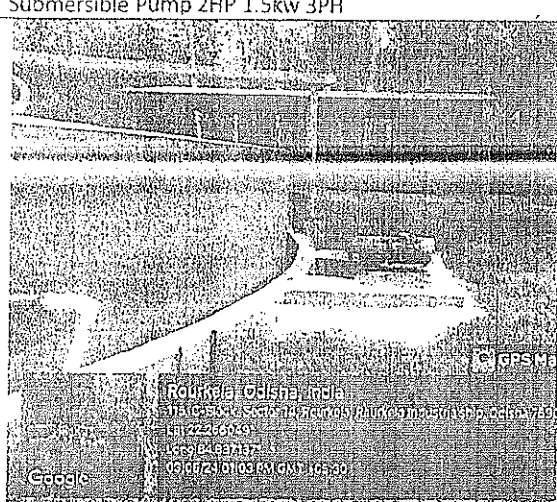
Running Bio Gas Generator : Load 20.3 kVA



Feeding Tank - Running - Sewage Submersible Pump - 2HP 1.5kw + Agitator motor 2HP 3PH 1.5kw + Recycle Water Submersible Pump 2HP 1.5kw 3PH



Running Solid liquid Manure separator machine - 5HP 3PH 1.5kw + Sewage Submersible Pump - 2HP 3PH 1.5kw



Running Agitator Motor - 1 & 2 10HP 3PH 7.5kw x 2

ISAR

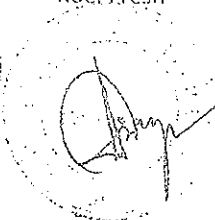
ISAR Engineers Pvt. Ltd.

Pranod Kumar Mohanty
Authorized Signatory

Koshish

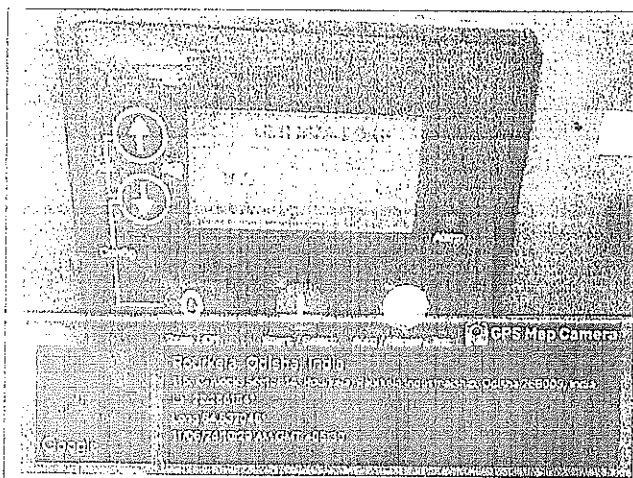


Koel Fresh

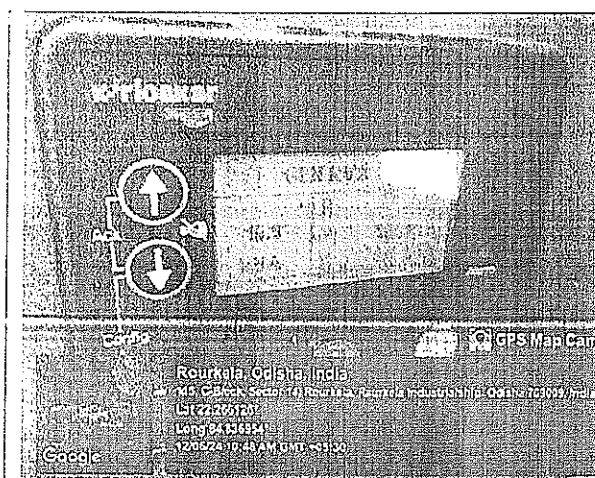


Rourkela Municipal Corporation

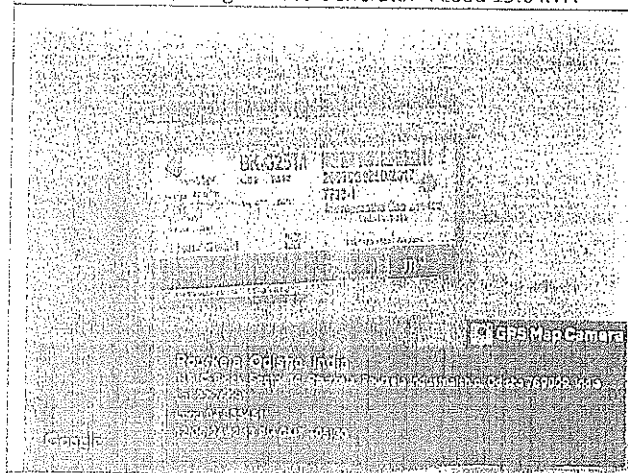
Amr
Junior Engineer
Rourkela Municipal Corporation



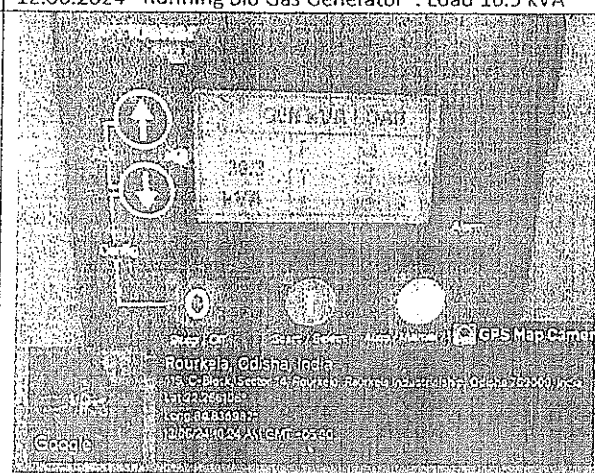
11.06.2024 - Running Bio Gas Generator : Load 15.6 kVA



12.06.2024 - Running Bio Gas Generator : Load 16.9 kVA



12.06.2024 - Running Bio Gas Flow Meter Reading - 00071148



13.06.2024 - Running Bio Gas Generator : Load 20.2 kVA

ISAR

Koshish

Koel Fresh

Rourkela Municipal Corporation
Junior Engineer
Rourkela Municipal Corporation

Engineers Pvt. Ltd.
Pranab Kumar Mohapatra
Authorized Signatory

