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# ARKAH ENERGIES PRIVATE LIMITED



**Fuelling Future Responsibly**

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## SBU Green Energy-CBG

- Ready & Proven Market
- Sustainable, Scalable & Renewable.
- Government support (~1.6 Cr/tonne)
- Zero carbon footprint

## SBU - Oil & Gas

- >10000 boepd opportunity
- Low Entry barrier
- Lower capex
- Discovered fields - Low Risk
- Early Monetization

- Two distinct BU/ P & L show casing the balance between Conventional & Unconventional.
- Faster influx of cashflow to the organization through Green SBU & exponential growth through Oil & Gas.
- Emphasis on clean & un-tapped energy production for better future.
- Investment in low risk discovered/marginal oil & gas field in both National and International arena.
- Strategic partnership in both CBG & Oil & Gas sectors to ensure a strong and successful approach.



## Arunabh Parasher - Founder & CEO

- 23+ Years of Experience in Oil & Gas Sector both national & international.
- Headed Petroleum Engineering Dept in Cairn looking after the largest asset that is Rajasthan.
- Worked as Chief Operating Officer of Selan which is listed in BSE.
- Created Nort East Asset of Cairn & served as Director NE earning a revenue of around 150 Cr in 4 Years.



## Ranjan Trivedi - Founder & COO

- Expert in Start Up of Oil & Gas & CBM Projects.
- 25 years of Industry experience including overseas.
- As Asset Manager Worked in Cairn and discovered and produced multiple fields.
- Risk Management, Budgeting, Project Planning, Execution & Management.



## Balaji Chennakrishnan - Founder & CSO / Director Subsurface

- Expert geologist and AI enthusiast.
- 25 plus years of Industry experience.
- Built a technology firm in the oil and gas industry with 30 plus FTE.

# SBU - Green Energy

# Renewable Natural Gas (RNG) - Own & Operate

## Opportunity

Market Availability, Govt Support, Upcoming Business, Sustainable, scalable & Zero Carbon footprint.

## Approach

Land feasibility, End to End Trunkey Contract for execution of plant and training of personnel

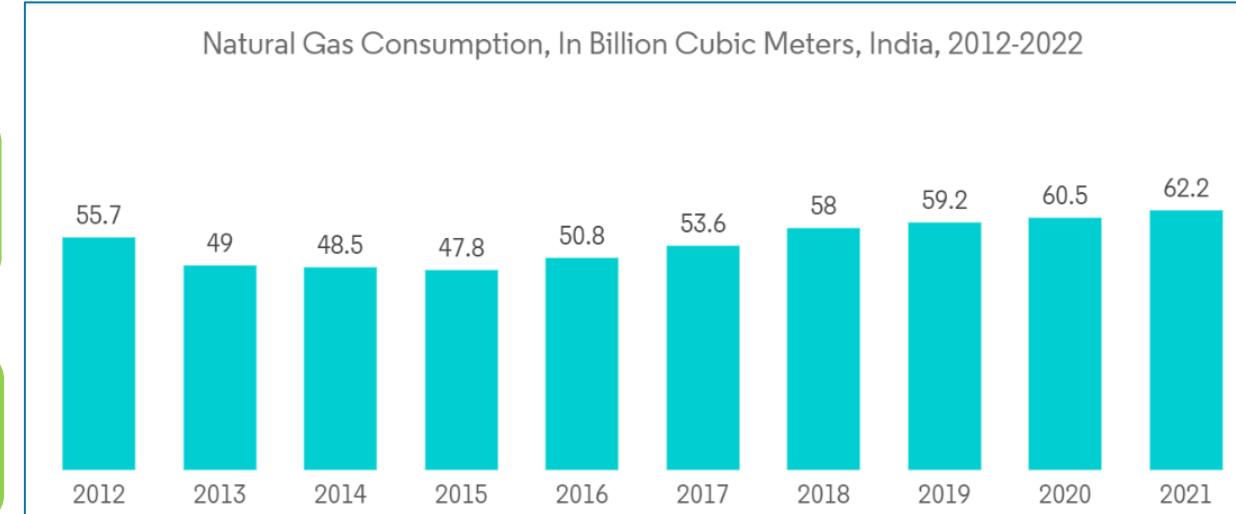
## Challenges

Feedstock availability & Prices. Optimization of Capex cost.

## Reward

Scalable & sustainable business. Creating retail outlet chain/online for both fuel and agri product for value addition.

Natural Gas Consumption, In Billion Cubic Meters, India, 2012-2022



# CBG Project - Status

Milestones	Status
Location	Tilhar Tehsil, Dist Shahjahanpur Uttar Pradesh
Location Advantage	State Govt. Impetus, Raw Material & Market Availability. 5 to 6 km away from both Delhi-Lucknow and Delhi-Kanpur via Bareilly highway and 14 km away from Ganga Express way.
Manpower	Techno Commercial Skill Set Available
Land	Acquired (Approx 7 Acres). Mutation completed.
Land Feasibility Report	Completed
Stakeholder Management	Good Stakeholder Connect in both State and Centre along with local stakeholder management.
EPC Contract	Under Discussion
Lol from OMC	To be Completed
Loan Sanction	To be Completed
Equipment Order Placement	To be done
Civil Work at Site	Preliminary work completed

# Renewable Natural Gas (RNG) Financials - 5 MT Capacity Plant



Parameter	Unit	Value	Remarks / Basis
<b>Project Period (Evaluated)</b>	Years	2025–2030	5 years of operations post investment
<b>Total CAPEX (One-Time Investment)</b>	INR Lacs	<b>2,500</b>	₹ 2,300 L Plant + ₹ 200 L Land
<b>Annual Revenue (CBG + Manure)</b>	INR Lacs / year	<b>1,707</b>	Average FY 2026–2030
<b>Annual Operating Cost (OPEX)</b>	INR Lacs / year	<b>922</b>	Fixed cost during operation
<b>Annual EBITDA</b>	INR Lacs / year	<b>785</b>	Revenue – OPEX
<b>EBITDA Margin</b>	%	<b>46 %</b>	(785 / 1707) × 100
<b>Payback Period</b>	Years	<b>3.7 Years</b>	Achieved between FY 2028–2029
<b>Internal Rate of Return (IRR)</b>	% p.a.	<b>22.5 %</b>	Based on post-tax cashflows
<b>Net Present Value (NPV) @10%</b>	INR Lacs	<b>₹ 819 Lacs</b>	Discounted over 2025–2030
<b>Revenue Escalation (CBG)</b>	% p.a.	<b>5 %</b>	Price escalation factor
<b>Manure Revenue (Constant)</b>	INR Lacs / year	<b>350</b>	No escalation considered
<b>Cumulative Cashflow (End of FY2030)</b>	INR Lacs	<b>+4222</b>	Net cash accumulation after 5 years
<b>CAPEX to EBITDA Ratio</b>	x	<b>3.18x</b>	Indicates 3.2 years payback on EBITDA basis

# SBU - Oil & Gas

# Oil & Gas Fields - Operate/Own & Operate

## Opportunity

Interesting in terms of revenue generation and less competitive

## Approach

PI & Get Marginal Fields. Low Entry Barrier, Low Capex & Opex & Less Risk

## Challenges

Aggregation & Entry.

## Reward

Oil & Gas Operator with 125 MMUSD revenue by 6<sup>th</sup> Year

2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Oil Prod BOEPD	500	1200	1200	3000	5000

Plan to create a Revenue of 122  
MMUSD

Valuation of ~ 1 Billion USD

# Analogues in Oil & Gas Industry

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## Antelopus

**Derisked-** The Company started with the intent of Oil & Gas Operator. Backed by Oak Tree Capital & ICE Canyon Capital  
Current Production: ~1000 BOEPD. Grew by strategic acquisition.

## Sun Petro

**Aggregated with Operatorship-** Backed by Sun Pharma. Prod: ~10K BOEPD. Grew by strategic acquisition

## Invenire

**Aggregated with Active Partnership-** Backed by Ayant Capital. Prod: ~11K. Grew by strategic acquisition.

## DSF HZGN-1

**Marginal Field Potential & Founder Expertise-** Capex: 1.25 MM USD. Opex: 0.73 MM USD/Yr. Revenue: 11 MM USD/Yr. IRR - 66%. The project was done by the proponents of ARKAH.

## India DSF Block

Preparing for DSF Round IV. Identified 2-3 Blocks with the capacity to produce 1000 + BOEPD

## Oversees Block

- Signed LOI for Joint Venture with a company for its field operating in central asia which is under production.
- Review & discussions ongoing for active partnership in block in Timur Leste



# Oil & Gas & RNG - Investment Plan

<b>BASE CASE SCENARIO</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
Block Acquisition Cost	1,000,000	2,000,000	2,500,000	3,000,000	4,000,000
Workover Cost	1,500,000	1,500,000	1,500,000	750,000	750,000
Drilling Cost		4,000,000	8,000,000	8,000,000	12,000,000
<b>RNG Cost</b>	1,753,489	640,465	640,465	640,465	640,465
Total Capital Expenditures MM USD	4	8	13	12	17
Total Capital Expenditures INR Cr	36	69	107	105	148

**Total Capital Expenditures (Cr INR) in 5 Years: INR 466 Cr**

**Annexure-1 for Details**

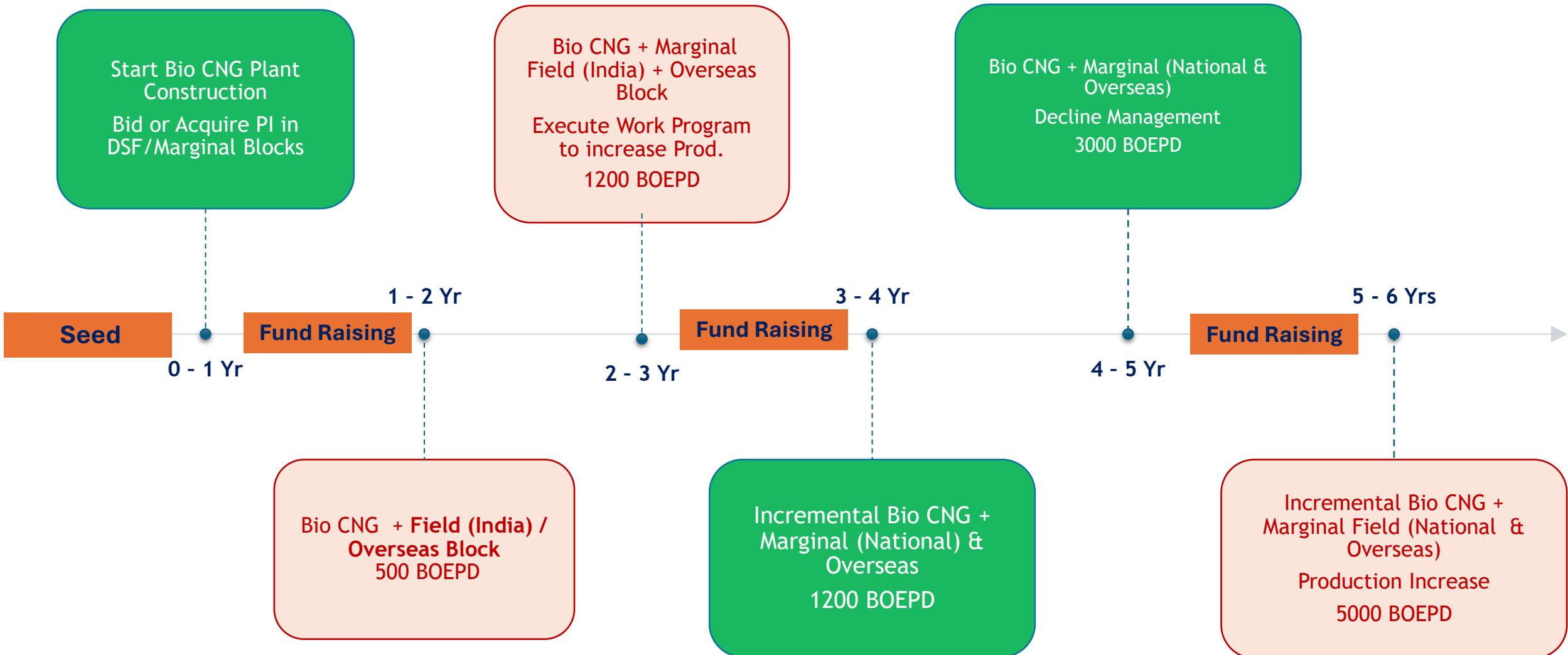
# Oil & Gas & RNG - Revenue Projection

BASE CASE SCENARIO	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Oil & Gas	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
O&OE in thousand bbl		87.50	420.00	420.00	1050.00	1750.00
Sale Price (\$/bbl)		70.00	70.00	70.00	70.00	70.00
Revenue in \$		6125000	29400000	29400000	73500000	122500000
CBG						
Production in MT		1750	3500	3500	3500	3500
Price per 1000*T in US\$		849	874	901	928	955
Revenue in \$		1485465	3060058	3151860	3246416	3343808
Manure						
Production in MT		14525	29050	29050	29050	29050
Price per Ton in US\$		93	96	99	102	105
Revenue in \$		1351163	2783395	2866897	2952904	3041491
Total Revenue MM USD	<b>9</b>	<b>35</b>	<b>35</b>	<b>80</b>	<b>129</b>	
<b>Total Revenue INR Cr</b>	<b>77</b>	<b>303</b>	<b>305</b>	<b>685</b>	<b>1108</b>	

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# ROADMAP

# Roadmap & Business Plan Milestones



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# THANK YOU