



# 2G Bio-Ethanol Refinery Project, Bargarh, Odisha

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## Major JVs

BHART OMAN REFINERIES LTD.  
PETRONET LNG LTD.  
INDRAPRASTHA GAS LTD.  
CENTRAL UP GAS LTD.  
MAHARASHTRA NATURAL GAS LTD.  
SABARMATI GAS LTD.  
PETRONET CCK LTD.  
MUMBAI AVIATION FUEL FACILITY LTD.  
DELHI AVIATION FUEL FACILITY PVT LTD.  
MATRIX BHARAT PTE LTD.  
HARIDWAR NATURAL GAS PVT. LTD.  
BHARAT STAR SERVICES PVT. LTD.  
FINO PAYTECH LTD.

**#275 ranking on Fortune  
2019 global list**

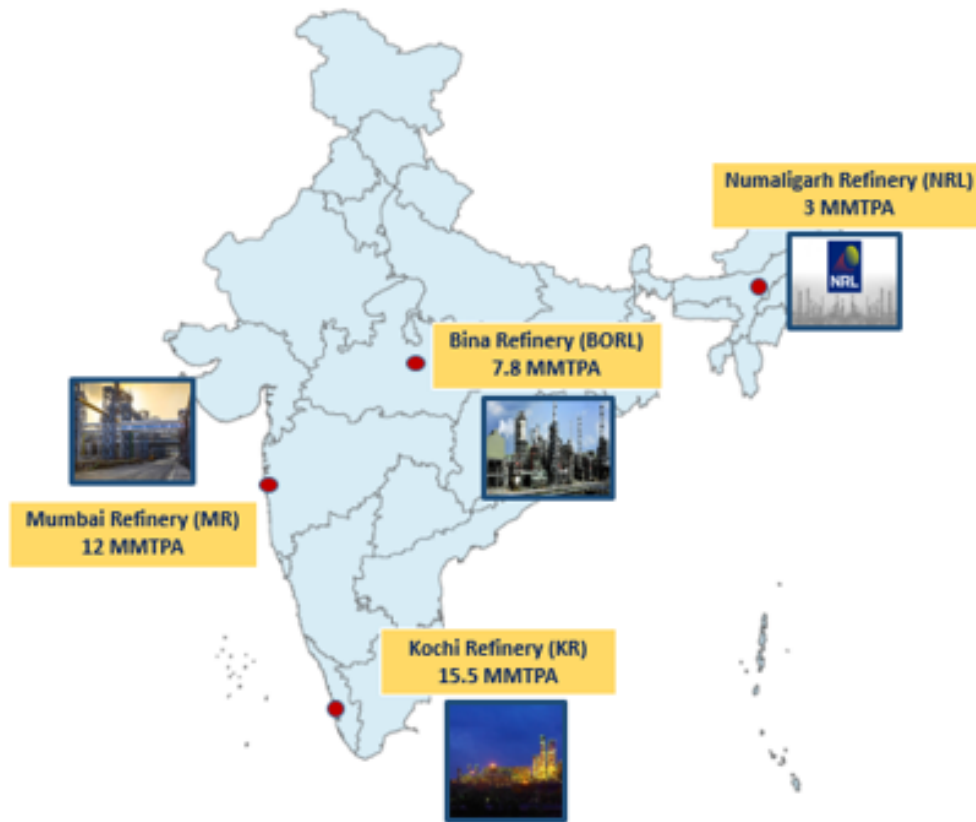
**Turnover  
\$47,020 million**

**15% of the India's refining capacity  
(38.3 MMTPA)**

**Domestic market share of 21%  
during FY2018-19**

**Strong Workforce  
~12000**

# BPCL REFINERIES IN INDIA



- Set up in 1955
- 12 MMTPA



- Set up in 1963
- 15.5 MMTPA



- Set up in 2009
- 7.8 MMTPA
- 50% holding



- Set up in 1999
- 3 MMTPA
- 61.65 % holding



# BPCL'S PROPOSED 2G ETHANOL BIO-REFINERIES



<b>Location</b>	Baulsingha Village, Bargarh District, <b>Odisha</b>	Bina, Sagar District, <b>Madhya Pradesh</b>	<b>Maharashtra</b>
<b>Feedstock</b>	Rice Straw	Soya Stalk/ Wheat Straw	Rice Straw
<b>Project Status</b>	Execution stage	Awaiting Environmental clearance	Location to be finalized
<b>Output</b>	30 million litres 2G Ethanol per annum (100 KLPD)		





# Status: 2G Bio-Ethanol Refinery Project, Bargarh, Odisha



- ❖ Feedstock:
  - ✓ **Rice Straw – 488 Mt/day (12% Moisture)**
- ❖ Capacity:
  - ✓ **Approx. 100 KLPD Ethanol**
- ❖ Technology:
  - ✓ **Enzymatic Hydrolysis**
- ❖ Approved Project Cost:
  - ✓ **INR 1607 Crore (US\$ 226 million)**



- ❖ Location:
  - ✓ Baulsingha Village, Bhatli Tehsil,  
**Bargarh District, Odisha.**



**Licensor**

M/s Praj Industries Limited (PIL)



**PMC**

M/s Toyo Engineering India Pvt. Ltd. (TEIPL)



**LSTK**

M/s TATA Projects Ltd.



# Status: 2G Bio-Ethanol Refinery Project, Bargarh, Odisha



➤ Land Acquisition – <b>Completed</b>	●
➤ Licensor selection- <b>Completed</b>	●
➤ Final Basic Engineering Design Package (BEDP) – <b>Completed</b>	●
➤ Environmental Clearance – <b>Completed</b>	●
➤ Award of PMC contract - <b>Completed</b>	●
➤ Order placement of proprietary items - <b>Completed</b>	●
➤ Award of LSTK package – December 2019 - <b>Completed</b>	●
➤ Expected / Scheduled Date of Mechanical Completion of Project – March 2022	●





# Thank You

