

National
Conference on
Regulatory
Interface (NCRI)

Technical Session:

Leadership and
Management for Safety

- Fostering culture for Safety & Quality

**Industry
perspective**



29th Nov'17

enterprise

Vission: A global engineering providing solutions for a better tomorrow

Mission: Providing sustainable business solutions in the field of Energy, Industry Infrastructure

&

Power

Industry

Transmission

Transportation

Defence

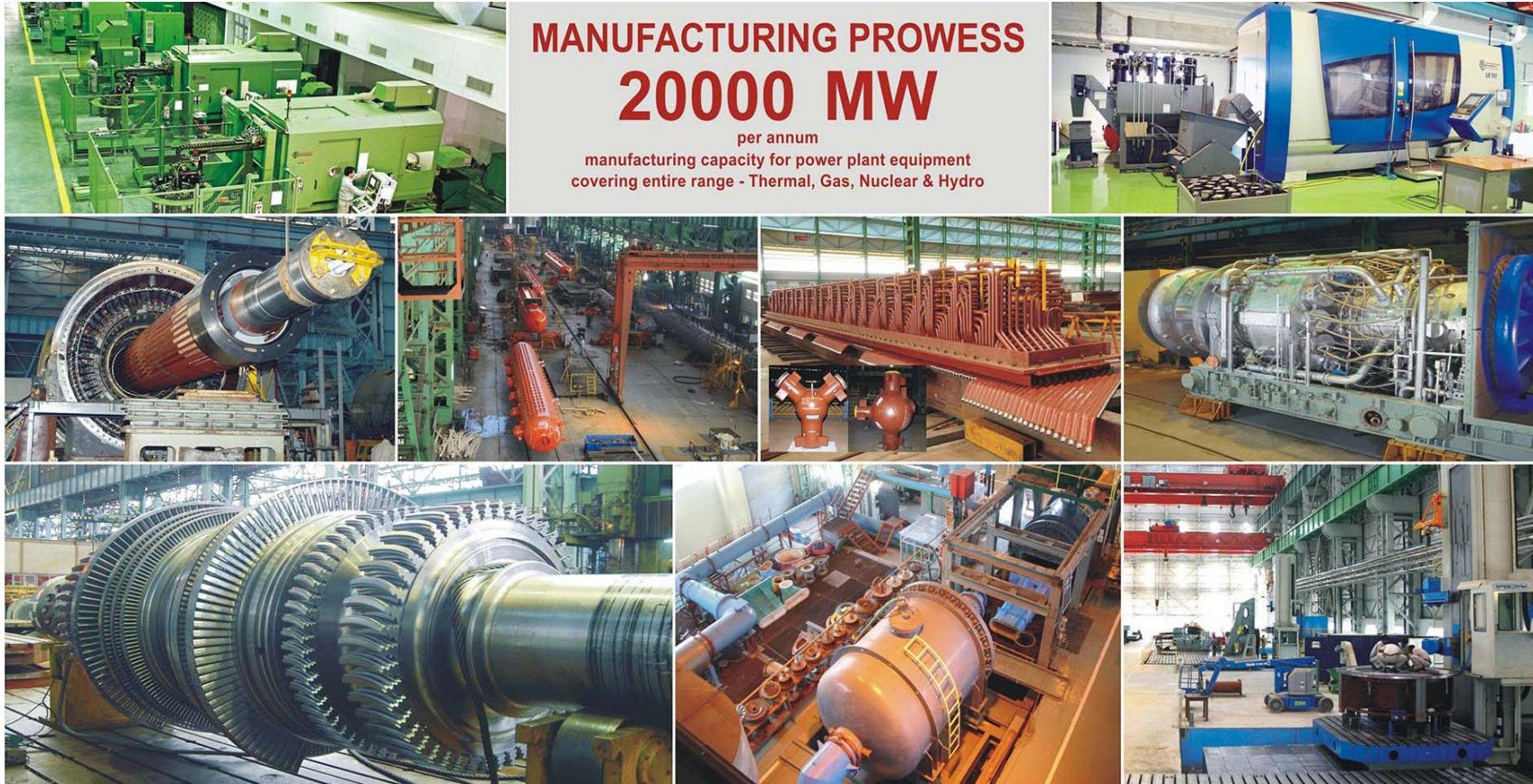
Industrial Products

Oil & GAS

Renewable Energy



- Amongst world's few who have the capability to manufacture the entire type / range of power equipment- be it Thermal, Gas, Nuclear, Hydro or Solar



- 17 manufacturing units + 8 service centers

- Have proven **turnkey capabilities** for executing power projects from concept-to-commissioning for a wide range of unit sizes up-to 1000 MW and for wide variety of fuels.
 - Our 'EPC model' is based on **maximum in-house manufacturing** strength
 - **Single largest EPC order** for 4,000 MW TPP (5 x 800 MW units) currently under execution
- **Over 180 GW** capacity installed globally
- BHEL supplied sets have exhibited world class performance

Power



Industry



Transmission



Transportation



Defence



Industrial Products



Oil & GAS



Renewable Energy



- Adopted and perfected **multiple technologies**
- **Over 50 years of rich experience**
- Have strong presence in domestic market and references in over **80 countries**
- Have **Integrated Management System approach** in ensuring that Health, Safety, Quality and Economic requirements are not considered separately
- We have **Knowledgeable commitment** in all our business segments
- **Valuing people:** Participative Management culture, 4+ days of training per employee per year

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Renewable Energy



BHEL in Nuclear

- A most reliable partner in all the 3 stages of Country's Nuclear Power program

Primary side

An established Supplier for

- **Steam Generators** (36 nos. already in service)
- **Reactor Headers**
- **End Shields**
- **CCIP**

Secondary side

- **12 out of 22 operating Reactors** in the Country are equipped with BHEL supplied power Generating Units

- RAPP 3 & 4 (220 MWe each),
- MAPP 1 & 2 (220 MWe each),
- NAPP 1 & 2 (220 MWe each),
- KAPP 1 & 2 (220 MWe each),
- Kaiga 1 & 2 (220 MWe each),
- Tarapur 3 & 4 (540 MWe each)

BHEL today accounts for **48%** of the total installed Nuclear Power capacity in the Country (3.28 GW out of 6.78 GW)

BHEL in Nuclear

- A most reliable partner in all the 3 stages of Country's Nuclear Power program

- 2nd stage (**PFBR**)
 - 500 MWe Steam Turbine Generator set- awaiting Nuclear Steam for last 4 years
- 3rd Stage (**AHWR**)
 - Successfully developed Steam cycle for 300 MWe AHWR in close association with BARC

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Renewable Energy



- **Issues & Challenges**

- Continuity in flow of orders has not been there
- Nuclear Power segment has so far been viewed more as a **Strategic segment** than a segment of assured business

- **Industry expectations**

- Standardisation
- **Bulk ordering** on most dependable long standing national companies

Power



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Transportation



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Thank You

