



**MAHATMA PHULE RENEWABLE ENERGY &
INFRASTRUCTURE TECHNOLOGY LIMITED**
Subsidiary of MPBCDC (Gov. of MH Undertaking)

MAHAPREIT's environment solutions



Kalam Patil, IAS

Director



Agenda

- MAHAPREIT profile in brief
- NGT orders and its compliance
- MSW and our solutions
- STP and Water plus policy
- Our end to end solutions
- Proposed projects





MAHAPREIT

| | |
|---------------------------------------|--|
| Public Sector Unit | It is a 100% subsidiary of MPBCDC Ltd |
| Green Project Development Company | Development of green project through social inclusion of SC beneficiaries |
| Green Verticals | It is developing green projects across its 10 verticals where SC beneficiaries would be engaged in directly or indirectly |
| Its Commitment for the Green Projects | Securing land, raw material supply guarantee as well as selection of right technology for the assured performance. Better project execution through involvement of TA & PMC. |
| Support for financial closure | The assurances for MAHAPREIT like comfort letter for operating performance or feed stock could help in achieving the financial closure of the project |
| Inclusive support | Its parent organisation will be funding the SHGs/ FPOs/ Coop of SC beneficiaries through NSFDC or NSKFDC |
| Project Execution | It appoints PMC and EPC contractor for the project execution. |

Centre for Management of Environment and Climate Change (CMEC)



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- CMEC is self sustainable Growth Centre under MAHAPREIT
- Revenue Generation projects to be identified based on industry requirements and compliance of MOEF/ CPCB/ MPCB
- Empanelment, engagement and collaborating with stakeholders through partnerships and MoUs on revenue sharing model
- **Scope and work profile:** environment audit, study and system improvement work for MPCB and other statutory bodies
- System studies and audit works will be supported by MSKC (MAHAPREIT Start-up Knowledge Centre) and system improvement through start-ups and entrepreneurs
- ENCORE Committee: Expert Nominee's Committee on Climate Obligations and Regenerative Environment

MAHAPREIT Task Force for Environment and Climate



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Task Force leadership

- Shri. A K Jain, IAS -Chairman
- (Retd) Govt of Maharashtra as Chairman
- Dr Ajay Deshpande- Member
- member of Compliance review panel, ADB-Manila
- Dr Prasad Modak-Member
- Environment Management Centre, Mumbai
- Shri SC Collur- Member Convenor
- CGM-MAHAPREIT

Project Identified

- Mangrove protection and preservation for MCGM-proposal finalised
- Coastal Infrastructure vulnerability Assessment Report for Maharashtra through MPCB
- Environment Status Report for Chandrapur, Amaravati and Nashik proposed
- Waste to energy projects planned at Ambarnath, Nagpur, Aurangabad and Beed
- Capacity building program for local bodies on municipal solid waste

Urban Problems and our Solutions



*Managing municipal solid waste and
water*



NGT Directions our Solution

NGT Directions

- Managing 100% solid waste and removal of toxic waste
- 100% treatment of sewage water along with common effluent treatment plants
- Reuse of sewage treatment plant water policy for recharging water bodies and urban use
- Get the STP water certified as water plus

MAHAPREIT's Solutions

- End to end solution for municipal solid waste from assessment to RFP process to execution of CBG and Bio-fertilizer units for the Municipal bodies
- End to end solution for the sewage treatment plant from formation of the policy at the state level and its implementation through RFP and managing such STPs

Municipal Solid Waste Solutions



*Managing municipal solid waste and
water*



Municipal Solid Waste solutions

- We can help municipal body on the rising menace of the solid waste on long term basis
- We can help the municipal body from the assessment to formation of the policy and then implement the complete waste management through our own RFP process
- We can also set up the bio-gas/ power units as well as bio-fertilizer units and sell them across our agriculture value chain
- We do provide consultancy as well as operational assistance to the body for future projects



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Municipal Garden Waste to Pellets

- We can help municipal body on the management of the garden and other agriculture waste
- We can help the municipal body from the assessment to float the RFP process for a pellets units
- We can also set up the pellets to power units or sell such pellets to nearby power plants as per the National Bio-fuels policy compliance
- We do provide consultancy as well as operational assistance to the local body for future projects



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Municipal Waste Water Solutions



*Managing municipal water and water
plus solutions*



Municipal STP to Water Plus

- Indore is declared as the first water plus city in India through its water plus policy
- MAHAPREIT is taking the lead in designing the STP and Water reuse policy at the state level
- We can also certify the municipal bodies in water plus certification of its STPs and water reuse for the industry on BOOT basis
- We do provide consultancy as well as operational assistance to the local body for future projects as end to end solution



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"Journey from Waste to Energy and
then to Wealth goes through the right
policy and execution"

*Shri Bipin Shrimali, IAS
CMD, MAHAPREIT*

Summary

WE at MAHAPREIT propose to work with municipal bodies for the waste to energy, agriculture inputs and water plus projects through our project planning to execution services so that these bodies become fully compliant with NGT directions.





Thank you



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