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CEMENTS

y – Combining the all Boilers
mmon WHR System (Mangrol)

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Initially a 10 MW WHR System with two kilns Capacity 2200TPD a
running which was combined with an additional new kiln installe
of 7500 TPD.

Instead of installing a separate Turbine Generator for the new
Turbine Generator (26.5 MW) was installed by clubbing the
WHR for more power generation.

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- Minimize the CAPEX.
- Generate maximum power with available steam.
- Minimize the hookup time.
- Minimize power generation loss during hook up.
- Maximum re-use of existing equipment.
- Complete the work with quality and safely with in the minimu

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To install one common TG set for all boilers by club equipment.

2nd

To install new WHR system for new kiln and run the exi separately.

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- Installed 26.5 MW Turbine Generator for all boilers by clubbin
  system, thus **2.5 MW additional power generate** as compare t
  system.
- ACC and WTP along with Instrumentation re-used with comm
  in order to reduce overall CAPEX.
- To reduce the hook up time, planned to work round the clock
  simultaneously specially when kilns were under shutdown.
- Completed all the hook up activity when Kiln-2 stopped result
  power generation loss.

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- Due to low SSC, resulting in more power generation.
- High capacity turbine tends to lower auxiliary power consum
- More WHR generation and low auxiliary resulted in less gree emission from CPP.
- Plant's operating cost is reduced due to reduction in cost per generation.
- Reduced air pollution due to less hot flue gases from CPP.
- Carbon footprint reduction **approx. 25000 MT per annum du 2.5 MWH power.**

THANK YOU.