



Flexpert Simulator Training

660 MW Simulator Training on Flexible Operation of TPS

to upskill Operation engineers as “Flexperts” for Smooth Operation of Coal Based Generating Units Under Flexible Regime.

Activities	Experts / Trainers
Day 1 – Fore noon (10 – 13 Hrs)	
✓ Welcome and Introduction	Mr SK Mehta (Head-Training, STEAG India)
✓ Expectations Mapping	Mr KK Mundhada (Ex GM NTPC), Mr. Mukesh K Gupta (Simulator Trainer)
✓ Session on Need for Flexibilization in India, CEA notifications	Mr KK Mundhada,
✓ Session on Achieving Flexible Operation in Indian coal based plants: Key learning from case studies and solutions implemented in flexible simulator	Mr KK Mundhada,
✓ Session on Experiences from Germany (online mode)	Dr Claudia Weise (Project Director of International Affairs, vgbe)
Day 1 – After noon (14 – 17:00 Hrs)	
✓ Achieving Flexible Operation in Indian coal-based plants: Financial implications of Flexibilization, expected regulatory intervention with Flexibilization regime and Road map & way forward to achieve flexible operation	Mr KK Mundhada,
Day 2 – Fore noon (10 – 13 Hrs) – Instructor led Interactive Simulator training	
✓ Unit ramp down from 100% to 70%, 55% and 40% load @ 3%, 2% and 1% ramp rates respectively in manual mode and Unit Stabilization at 40% load without oil support ✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
✓ Unit ramp up from 40% to 55%, 70% and 100% load @ 1%, 2% and 3% ramp rates respectively in manual mode ✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
Day 2 – After noon (14 – 17 Hrs) – Practice session	
✓ Unit ramp down from 100% to 70%, 55% and 40% load @ 3%, 2% and 1% ramp rates respectively in manual mode and Unit Stabilization at 40% load without oil support (existing system) ✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
✓ Unit ramp up from 40% to 55%, 70% and 100% load @ 1%, 2% and 3% ramp rates respectively in manual mode (existing system) ✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
✓ Recap, discussions and doubt clearing	Mr KK Mundhada, Mr SK Mehta & Mr Mukesh Gupta

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Activities	Experts / Trainers
Day 3 – Fore noon (10 – 13 Hrs) - Instructor led Interactive training	
<ul style="list-style-type: none">✓ Unit ramp down from 100% to 70%, 55% and 40% load @ 3%, 2% and 1% ramp rates respectively in Auto mode and Unit Stabilization at 40% load without oil support in Flexible simulator✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
<ul style="list-style-type: none">✓ Unit ramp up from 40% to 55%, 70% and 100% load @ 1%, 2% and 3% ramp rates respectively in Auto mode in Flexible simulator✓ Noting down parameters in the Template and analysis	Mr Mukesh Gupta
<ul style="list-style-type: none">✓ Demonstration of Flexible scenarios like Condensate Throttling technique	Mr Mukesh Gupta
Day 3 – After noon (14 – 17 Hrs) – Practice session	
<ul style="list-style-type: none">✓ Auto mode Ramp down from 100% to 70%, 55% and 40% Unit load @ 3%, 2% and 1% ramp rates respectively in Flexible simulator✓ Demonstration of Auto Unit ramp up from 40% to 55% , 70% and 100% load @ 1%, 2% and 3% ramp rates respectively in Flexible simulator✓ Unit stabilization at 40% and Noting down parameters in the Template and analysis	Mr Mukesh Gupta
<ul style="list-style-type: none">✓ Practice on Flexible scenarios	Mr Mukesh Gupta
<ul style="list-style-type: none">✓ Online Assessment	Mr SK Mehta,
<ul style="list-style-type: none">✓ Wrapping up and Feedback session	Mr Mukesh Gupta

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