

**PRESENT STATUS OF CEPI ACTION PLAN OF BAIKAMPADY INDUSTRIAL CLUSTER MANGALURU**

<b>Sl. No.</b>	<b>Name of the industry</b>	<b>Action Plan Proposed by major industries</b>	<b>Cost in Lakhs</b>	<b>Time Schedule</b>	<b>Remarks</b>	<b>Status (as on 31.12.15)</b>
1	<b>Mangalore Refineries&amp;Petrochemicals Ltd, Kuthethur</b>	a) ETP with RO Plant	14800	Oct 2011	Reduction in Fresh Water Consumption	Complied
		b) Condensate recovery system – 2 units	61	31.12.2011	Fresh Water conservation	Complied
		c) Installation of continuous ambient air quality monitoring system	75	31.03.2011	-----	Complied
		d) Utilization of natural gas as internal fuel in the refinery	To be estimated	As and when natural gas is made available in Mangalore (expected in 2012-13)	Reduction in SO2 & CO2 Emissions	Not Complied (due to paucity of Natural Gas Supply)
		e) Installation of SulphurPastillation unit for Phase III	7000	31.10.2011	Reduction of Sulphur dust	Complied
		f) Planting of 10,000 saplings	50	2011	Green belt development	Complied
2	<b>BASF India Ltd., Bala village.</b>	a) Installation of diffused aerator system for biological treatment	15	31-1-2011	Improve oxygen transfer efficiency	Complied

		b) Installation of scrubber for monomer storage tanks to control fugitive emissions	15	30-6-2011	Control of Air emission	Complied
		b) Planting of 1000 saplings.	4.5	2011	Green belt development	Complied
3	<b>Mangalore Chemicals &amp; Fertilizers Ltd., Panambur</b>	a) Changeover of fuel from Naphtha and furnace oil to Natural Gas and Re-Liquefied Natural Gas	40000	2013	Reduction in SO2 & CO2 Emissions	Facility put in place. Natural Gas not available.
		c) Planting of 4,000 saplings	6	2011	Green belt development	Complied
4	<b>Sequent Scientific Ltd. Baikampady.</b>	Monitoring of VOCs	5	30-6-2011		Complied
5	<b>Kudremukh Iron Ore Company Ltd., Panambur</b>	a) Up gradation of the existing STP with latest technology	50	30.06.2011	Improve quality of treated water	Complied
		b) Installation of ETP for treatment of effluent generated from De-sulphurisation plant of CPP	65	31.12.2011	Improve quality of treated water	Technology changed. Not required.
		c) Asphaltting of all internal roads	35	31.12.2011	Reduction of fugitive emissions	Being done.
		d) Providing of closed sheds for raw materials storage	30	30.09.2011	Reduction of fugitive emissions	Complied

		e) Plantation of 10,000 saplings	6	31.10.2011	Green belt development	Complied
6	<b>New MangalorePort Trust (NMPT), Panambur</b>	a) Mechanization of Iron Ore Cargo handling	27700	October 2012	Reduction of cargo spills	Now not required.
		b) Concretization of roads to minimize spillage of cargo	30	31.12. 2011	Reduction of cargo spills	Being done.
		c) Green belt development along the highway NH 17 and Beach Road for one KM length, near VTMS building and at Meenakaliya Village road	80	2011	Green belt development	Complied
		d) Providing permanent sprinkling system along the concrete roads 600 M	10	30.04.2011	Dust suppression	Complied
		e) Providing bunds to settling tanks and extension of settling tank	60	30.06.2011	To stop entry of ore into sea	Being done.
		f) Providing acoustic enclosures for two nos of 1000 KVA DG Sets	32	30.03.2011	Reduce the noise	Complied
7	<b>Ruchisoya Industries Ltd., Baikampady Industrial Area</b>	a) Concreting of roads	50	30.06.2011	Dust suppression	Being done.
		b) Planting of 625 saplings	-	2011	Green belt development	Complied

8	<b>Rajashri Packagers Pvt. Ltd., Baikampady Industrial Area</b>	a) Replacement of fuel from rice husk to imported coal	12	Dec 2010	Reduction of ash generation	Complied
		b) Incorporating closed loop ash handling system	35	Dec 2010	Dust suppression	Complied

		(Silo's)				
		c) Facilities for in-house testing of ETP parameters	2.5	Dec 2010	-----	Complied
9	<b>Eshwari Metal Industries, (Unit-I) Baikampady Industrial Area</b>	Installation of Rotary Kiln furnace with Scrubber	40	31.12.2011	To minimize the emissions	Complied

**Additional Action plans proposed and is implementation progress report by the major industries in the Baikampady Industrial Cluster are as given below:**

<b>Sl. No.</b>	<b>Name of the industry</b>	<b>Additional Action Plan Proposed by major industries</b>	<b>Remarks</b>	<b>Status (as on 30.09.15)</b>
1	<b>Mangalore Refineries&amp;Petrochemicals Ltd, Kuthethur</b>	a) Flow meter at the out let of ETP to record quantity of treated effluent discharged in to sea.	record quantity of treated effluent discharged in to sea	Complied
		b) conducting water auditing through competent agency	Fresh Water conservation	Under progress
		c) expedite study on groundwater movement in the area through NGRI, Hyderabad	Status of ground water quality	Complied
2	<b>BASF India Ltd., Bala village.</b>	a) Measurement of VOC around monomer storage tanks	Verify any leakage of monomer or HC	Complied
		b) Installation of filter press in place of existing centrifuge to reduce volume of ETP sludge generated	reduce volume & time of ETP sludge generation &handling	Complied
		c) conducting water auditing through competent agency	Fresh Water conservation	Complied

		d) Plan to recycle treated trade effluent or installation of multiple effect evaporators.	Fresh Water conservation	Yet to submit proposals.
3	<b>Mangalore Chemicals &amp; Fertilizers Ltd., Panambur</b>	a) Installation of CAAQMS & display board at main gate	Develop monitoring data	complied
4	<b>Sequent Scientific Ltd. Baikampady.</b>	a). Monitoring of incinerator stack as per bulk drug industry standard	Verify the quality of stack emissions	Complied
		b). Install Flow meter at out let of ETP	record quantity of treated effluent discharged in to sea	Complied
		c). Install multiple effect evaporator to treat the effluent.	Zero Discharge of effluent	Under progress.
		d). conducting water auditing through competent agency	Fresh Water conservation	Yet to submit proposals.
5	<b>Kudremukh Iron Ore Company Ltd., Panambur</b>	a) Changing the captive power plant fuel from high sulfur content FO to low sulfur content FO.	Stop generation of effluent& installation of ETP.	Complied
6	<b>New MangalorePort Trust (NMPT), Panambur</b>	a). Concreting of service road beside National Highway	Reduce traffic problems on NH	Complied.
		b). maintaining coal pile height below the compound wall.	Reduce fugitive dust emissions	Being done.
		c) Proposal for mechanical coal handling system	Reduce fugitive dust emissions	Yet to submit proposals.
		d) installation of dry fogging system around coal handling areas	Reduce fugitive dust emissions	Yet to submit proposals.

		e) Installation of weighing scales inside NMPT premises to restrict un necessary movement of vehicles to Baikampady industrial area.	Reduce traffic problems at Baikampady Industrial area	Under Progress.
		d). Proposals to install two CAAQMS at NMPT.	Develop monitoring data	Yet to submit proposals.
7	<b>Eshwari Metal Industries, (Unit-I) Baikampady Industrial Area</b>	a) Installation of new Rotary Kiln furnace with Scrubber& Filter	To minimize the emissions	Complied
		b). Installation of mechanical battery dismantling/breaking unit.	To increase segregation efficiency & improve house keeping	Complied
		c). Monitoring lead content in blood sample of workers and detailed regular health study of workers	Develop health status data	Complied
		d). Explore the possibility of utilization of lead slag instead dumping at TSDF.	Waste utilization	submitted proposals.