

Implementation & monitoring of Action plans for Asansol area as on September, 2016

Summary of short term action points:

Sl no.	Action points (Including source & mitigation measures)	Responsible stake holders	Status as on September, 2016	Compliance status	Remarks
1.	<p>On-main charging system with high pressure liquor aspiration (HPLA) in Coke oven battery nos. 10</p> <p>Zero leakage door & hydrojet cleaner</p> <p>Screw feeder charging system and water sealed AP Caps</p> <p>Rectification in oven doors, leads in Coke oven Battery no. 8.</p>	M/s. IISCO Steel plant , SAIL., Burnpur	<ul style="list-style-type: none"> • HPLA and on-main charging Implemented alongwith rebuilding of coke oven battery no. 10. • Zero leakage door, hydrojet cleaner, screw feeder, water seal AP installed at coke oven battery no. 10. • Cold repair for Coke Oven battery No. 8 has been completed and initial heating is in progress. • Coke oven battery No. 9 is closed since 31.03.2014. 	<p>Complied</p> <p>Complied</p>	<p>Implemented</p> <p>Implemented</p> <p>Operations of Coke Oven battery No. 9 has been stopped</p>

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2.	Installation of a three stage BOD Plant at Coke Oven (For Battery no. 8,9,10) is completed . Separate BOD plant for Battery no. 11 will be installed and existing BOD plants (8&9) will be phased out.	M/s.IISCO Steel plant ,SAIL.Burnpur	<ul style="list-style-type: none"> BOD Plant commissioned in June, 2010 for treatment of effluent generated from No. 8, 9 & 10 Coke Oven batteries. Old BOD plants for 8 & 9 phased out in June, 2010. Mechanised NaOCl dosing facility installed at the outlet of BOD plant to control cyanide. BOD Plant of Coke Oven battery No.11 is under operation. 	Complied	Implemented
3.	Blast furnace no.5 (Under installation) to have following facilities : Coal dust injection , top pressure recovery turbine , Cast house dedusting facility and on line slag granulation Pulverized coal injection system, oxygen enrichment and BF flue dust granulation to be installed in BF – 2 & 3.	M/s.IISCO Steel plant ,SAIL.Burnpur	<ul style="list-style-type: none"> Blast Furnace No. 5 is under trial operation. CDI & TRT installed alongwith Blast Furnace No. 5. Cast house dedusting facility and online slag granulation has been implemented. BF no. 3 is phased out on 16th March, 2012. 	Complied BF no. 3 phased out	Implemented BF no. 2 has been closed since April , 2015

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4.	Unit to install following facilities at new BOF in modernization plant e.g. Stage wise Ventury scrubber for gas cleaning station, De-dusting facility with ESP for dog house, On line stack monitoring facility. Existing Twin hearth furnaces (2x110 TPD) will be phased out.	M/s.IISCO Steel plant ,SAIL.Burnpur	<ul style="list-style-type: none"> • Out of 3 converter 3 nos have been installed and commissioned with common ESP. BOF shop is under hot trial run with ventury scrubber, gas cleaning plant and dog house, online stack monitoring. • Both the old THF has been phased out since 01.04.2014 	Complied Both the THF phased out.	BOF shop is under hot trial run. Both the THF phased out.
					<p>Apart from that M/s.IISCO Steel plant ,SAIL.Burnpur has installed and commissioned the on line effluent monitoring system at Damra outlet & Dihika outlet.</p> <p>M/s.IISCO Steel plant ,SAIL.Burnpur</p>

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					has also installed and commissioned on line stack monitoring system at the stack of Blast Furnace 5 (stove), Blast Furnace 5(stock house), Blast Furnace 5(cast house 2), Blast Furnace 5(cast house 1),LDCP Kiln 1, LDCP Kiln 4, LDCP Kiln 3, LDCP Kiln 2,BOF,Boiler A ,Boiler 3, Boiler 2,Coke Oven Battery 10 (Battery stack), Coke Oven Battery 11 (Battery stack), Coke Oven Battery 11 (coke drying and cooling stack), Coke

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					Oven Battery 11 (pushing emission control), Sinter Plant 1, Sinter Plant 2, Wire Rod Mill, bar Mill, Universal section mill, Boiler 1 & B
5	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Majumdar Industries	The unit has discontinued the operation of coal fired slag drier.		The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)
6	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Mansarovar Cement	The unit has discontinued the operation of coal fired slag drier.	---	The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)

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7	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Calcutta Cement	Coal fired slag drier equipped with air pollution control system and stack.		The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)
8	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Hanuman Cement	Coal fired slag drier equipped with air pollution control system and stack.		The unit has switched over from cement grinding unit to quartz grinding unit with additional Air Pollution Control Systems.
9	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Omni Cement	Coal fired slag drier equipped with air pollution control system and stack.		The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)

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10	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within essible distance).	M/s Ambey Super Cement	The unit has dismantled the coal fired slag drier.		The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)
11	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Kalika Cement	The unit has dismantled the Slag drier.		The unit is complying with the emission norms. (Direction has been issued for on line stack monitoring)
12	Coal fired slag drier should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s A.T.C International (P) Ltd.	Coal fired slag drier equipped with air pollution control system and stack.		The unit has suspended the activity of the plant Since 20.08.2013

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13	Coal fired boilers should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s United Spirits Ltd.	The unit has dismantled the coal fired Boiler. The industry already implemented necessary upgradation of ETP for meeting effluent standard.		Value of parameters of effluents sampling were found to be within limits.
14	Refractory manufacturing units should switch over to new generation producer gas fired Shuttle kiln, Tunnel Kiln or Push-bat kiln which are much more fuel efficient kiln for environment friendly smoother operation, improvement in quality of the product.	M/s Asansol Ceramics & M/s Burnpur Ceramics	M/s. Burnpur Ceramics is operating chamber Kilns only using petroleum coke procured mainly from Gujarat. Operation of existing down draft kiln suspended.		M/s. Asansol Ceramics has been closed since last two & half years.
15	Coal fired boilers should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Sree Ganesh Silicate & Soda.	Coal fired Boiler has been dismantled.		The unit is closed down permanently.

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Sl no.	Action points (Including source & mitigation measures)	Responsible stake holders	Status as on September, 2016	Compliance status	Remarks
16	Husk fired boilers should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	S.G Pulp & Paper (P) Ltd.	Husk fired boiler equipped with air pollution control system and stack and meeting with the emission norms.		The unit has closed its operation.
17	Coal fired boilers should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Vamshi Chemicals	The unit is presently closed.		The unit remained closed since last 3 years.
18	Coal fired boilers should be converted to Oil/Gas fired drier. (Preferably with CBM which is available within accessible distance).	M/s Vedant Retreads	The unit is using CBM fired boiler for various process.	Complied	Implemented
19	This unit should install producer gas based regenerative furnace which is less polluting and will enhance fuel efficiency.	M/s National Glass Works	Producer gas based regenerative furnace already installed and in operation.	Complied	Implemented

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Long Term Action Points :

Sl no.	Action points (Including source & mitigation measures)	Responsible stake holders	Status as on September, 2016	Compliance status	Remarks
1.	<p>1. Dedicated coal transport corridor to be constructed.</p> <p>2. Enhancement of loading & unloading facility with proper dust suppression facility.</p> <p>3. Use of surface miner as much as possible.</p> <p>4. Trapping of Methane from underground mines prior mining.</p> <p>To be completed by December 2012</p>	<p>1. M/s Bejdih Colliery,</p> <p>2. M/s Dhemomain Colliery, 3. M/s Methani Colliery,</p> <p>4. M/s Narsamuda Colliery,</p> <p>5. M/s Patmohona Colliery under E.C.L</p>	<ul style="list-style-type: none"> • Dedicated coal transport corridor is constructed for coal transportation. The transport road is black top road. • To reduce the pollution impact water sprinkler is used to suppress the dust. • Trucks are covered with tarpaulin cover. • Plantation is done in buffer zone and road side. 20000 saplings are planted in this financial year. The saplings are maintained by third party. • The mines which are mentioned in the table, are underground mine. Use of surface miner is not applicable for UG mines. • The mines are located within Ranigunj coal field area in West Bengal. M/s Great Eastern Energy Corporation Pvt. Ltd. already started activities for extraction of coal bed methane in the Ranigunj Coal Field area. 	Mostly Complied	<p>These Coal mines are identified under Cluster 6 for which TOR has been issued by MoEF, GoI for conducting EIA study. Public Hearing for expansion of these mines has been conducted on 29.11.2013.</p>

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Sl no.	Action points (Including source & mitigation measures)	Responsible stake holders	Status as on September, 2016	Compliance status	Remarks
2.	Area wise common reservoir for storage of mine drainage water, storm water and to provide necessary treatment facility prior discharge.		<ul style="list-style-type: none"> • Two nos. of reservoirs with capacity of 20 lakh gallons are being used for five mines. • This stored water is used for water sprinkling and domestic purpose for residential colony after treatment. 	Complied	Implemented
3.	<p>Backfilling of mine voids with overburden.</p> <p>Utilisation of ash from thermal power plants to be adopted for mine filling.</p> <p>Pond ash to be utilized along with sand for stowing underground mines.</p>		<ul style="list-style-type: none"> • The mines are UG mines, so back filling is not applicable in this case. • Use of flyash for stowing the UG mines is not possible. Technically this practise is not feasible. 		

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4.	To intimate surrounding locality about blasting well in advance and to adopt best practices. Noise generation to be minimized from heavy earth moving machines, drilling etc.		<ul style="list-style-type: none"> • In case of UG mines quantum of explosive used for blasting is very less to cause any damage at surface. Utmost care is taken in blasting design to have less effect at the surface. Best available practices are followed 	Mostly complied	Awareness program conducted in the locality time to time.

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Sl no	Project details	Implementing agency	Status as on September, 2016	Compliance status	Remarks
1.	S.T.P.at Kalipahari	Asansol Municipal Corporation jointly with MH & PE, Gol	<ul style="list-style-type: none"> STP of 12 MLD capacity is constructed under Ganga Action Plan (GAP-II). 	Complied	Implemented
2.	2 Nos. of STPs (21 MLD & 29 MLD with associated Sewage Network)	ADDA jointly with MH & PE, Gol	<ul style="list-style-type: none"> Proposal is prepared and sent for approval. 	Action initiated for compliance	
3.	Municipal Solid waste management for Asansol	ADDA jointly with MH & PE, Gol	<ul style="list-style-type: none"> At Kalipahari area land selection process is going on. Location have been identified for MSW management. At present the site is not being used due to obstruction from the local people nearby. 	Action initiated for compliance	At present, the MSW is being disposed in the existing site in Asansol & Burnpur. The Plant at Raniganj has been non-operation due to legal dispute.
4.	South City Road (From G.T. Road to Proposed Bridge over Damodar River-12.2 K.M.)	ADDA jointly with MH & PE, Gol	<ul style="list-style-type: none"> Action has been initiated for preliminary survey work. The issues also taken up with Railway Authority as some portion of the land belongs o Railways. 	Under consideration	Project dropped.
5.	Road from Jubilee Dhaba to Scope Gate of IISCO-4.604 K.M.	ADDA jointly with MH & PE, Gol	<ul style="list-style-type: none"> Road expansion work is completed. 	Complied	Implemented
6.	Expansion of G.T.Road (Ashram more to Chelidanga)	Asansol Municipal Corporation jointly with MH & PE, Gol	<ul style="list-style-type: none"> ADDA is the nodal agency for this project and it is under active consideration 	Yet to comply	Now PWD is going to take up the construction activity.

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7.	7.4 KM Road from IISCO to NH-2	IISCO	Already constructed	Complied	Implemented
8.	Road Bridge over Damodar from Burnpur to Madhukunda	IISCO	<ul style="list-style-type: none"> The construction of the bridge is linked to the construction of South City road. 	Yet to comply	
9.	S.T.P. at IISCO Township	IISCO	<ul style="list-style-type: none"> The construction work of STP is under progress. 	Under compliance	Expected to be completed by March'2017.
10.	S.T.P.at Shristinagar	Bengal Shristi Infrastructure	<ul style="list-style-type: none"> STP is under construction and yet to be commissioned. 	Not yet Complied	Direction issued by the State Board.