

MAHARASHTRA POLLUTION CONTROL BOARD



Minutes of 13th Consent Appraisal Committee Meeting of 2013-2014 held on 3.10.2013 at 03.00 pm at Conference Hall, MPC Board, Kalpataru Point, 4th Floor, Sion Circle, Sion (E), Mumbai 22.

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The Consent Appraisal Committee meeting of the Board was held on 3.10.2013. Following members of the Consent Appraisal Committee were present:

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| 1. | Shri. J. S. Sahni,
Chairman, MPC Board, Mumbai. | Chairman |
| 2. | Shri. Rajeev Kumar Mital,
Member Secretary, MPC Board, Mumbai | Member Secretary |
| 3. | Shri.P.P.Nandusekar
Technical Advisor(Env), MIDC, Mumbai | Member |
| 4. | Shri. Rakesh Kumar,
Scientist & Head, NEERI, Mumbai | Special Invitee |

The Secretary, Home (Transport) Dept., Mantralaya, Mumbai, Member could not attend the meeting. Leave of absence was granted to him.

Chairman of the committee welcomed the members of the committee and allowed proceeding of the meeting to start. The minutes of the 12th Consent Appraisal Committee (CAC) meeting of 2013-2014 (book-let no. 14 & 15) held on 12.9.2013 circulated under Board's letter No. MPCB/CAC cell/minutes/B-4314 dated 30.09.2013 were confirmed.

The meeting thereafter deliberated on the agenda items (book-let no.17) placed before the committee and following decisions were taken.

Sr. No.	Name of Industry/ Topic	Remarks/Discussion (1)
1	Compliance of Specific conditions for Textile Industries with BG & Time Bound Programme and Status of Individual Textile Units	<p>The revised BG regime for textile units was reviewed and following instructions were given to CAC cell.</p> <ol style="list-style-type: none"> 1. The BG regime for consents (as condition) and compliance matrix should be kept separate. Hence, break-up of BG for internal compliance as a part of compliance matrix shall not be shown in the BG regime finalized for sectors. This is for all sectoral reviews. 2. This policy for BG regime is valid upto 2014 so as to enable effective implementation of Sectoral Approach and also to set annual compliance targets to achieve desired environmental outcomes. 3. The compliance condition at TWM1 shall be replaced with "To provide online continuous flow meter and pH meter with data logging system at the outlet of treated effluent plant". 4. The issue of TOC online monitoring was raised during the meeting, which will be considered in next phase of sectoral approach for this type of industries i.e. from 2014 onwards. 5. Primary aim of the compliance condition at TWC3 is to control waste water generation by 50 % recycle & reuse of treated effluent. CAC deliberated on this issue and it was decided that all waste water streams (except dyeing, printing operation effluent streams) of textile industry will require 50% recycling and the streams from dyeing & printing operation will be treated in MEE so as to achieve zero discharge from these unit operations. The data for water audit in respect of dyeing & printing operations to be obtained from industries within 30 days, i.e. 30.10.2013 by imposing BG of Rs. 25,000 and this information will be audited by a third party within 30 days i.e. 31.11.2013. Thereafter data validation will be carried out & accordingly condition shall be incorporated in consent. During the validation if data is found to mismatch then site visit is necessary. 6. Conditions based on approved BG regime to be incorporated in consent will be presented before CAC for each sector. <p>This BG regime after modifications suggested during meeting is finalized and copy of final BG regime is enclosed at Annexure-I (i & ii) and the copy of finalized flowchart is</p>

		enclosed at Annexure-IA (i & ii).
2	Compliance of Specific conditions for Cement Industries with BG & Time Bound Programme and Status of Individual Cement Units	<p>The revised BG regime for cement units was reviewed and following instructions were given to CAC cell.</p> <ol style="list-style-type: none"> 1. For Code CeAC3 & CeAO1, CAC clarified that these are not condition for internal compliance matrix and hence separate BGs are applicable to the subpoints CeAC3a, b, c & CeAO1a & b. Hence accordingly asterisk sign must be removed from these points. 2. Correlation model for fugitive emission and NAAQMS to be presented by Mr. Ankit, IIT. 3. Whether the port hole is provided in scientific manner at adequate ht. to stack – this condition to be included in BG regime. <p>This BG regime is finalized and copy of final BG regime is enclosed at Annexure-II (i & ii) and the copy of finalized flowchart is enclosed at Annexure-IIA (i & ii).</p>
3	Compliance of Specific conditions for Thermal Power Plants with BG & Time Bound Programme	<p>The revised BG regime for Thermal Power Plants was reviewed and following instructions were given to CAC cell:</p> <ol style="list-style-type: none"> 1. As the standard for particulate matter is different for existing units and new/expansion/modernized units, separate BG regime to be introduced for existing units & new units. 2. After due deliberations regarding measurement of adequacy of ESP based on design, it was decided that compliance condition at no. 1A shall be modified as Industry shall provide ESP to control TPM as per prescribed standards. 3. The checks required for monitoring of ESP for eg. How many field are provided, how many are operating etc. shall be prepared. 4. Separate compliance matrix/BG regime to be prepared for C to E/O/R for all the sectors. 5. BG provision for handling and disposal of flyash shall be made in the BG regime as below <ol style="list-style-type: none"> a. To switch over 100% dry fly ash collection and storage with BG of Rs. 5 lakh & compliance period upto 30.10.2015. b. Utilisation of flyash as per flyash notification 1999 with BG of Rs. 1 lakh & compliance period as continuous.

		<p>c. Mitigation of seepages from wet flyash conveying system with BG of Rs. 1 lakh & compliance period as continuous.</p> <p>d. Scientific operation of ash pond i.e. uniform distribution of wet slurry in the pond so as to have minimum depth of water with BG of Rs. 1 lakh & compliance period as continuous.</p> <p>e. Providing arrangement for reuse of 100% seepage water, arising from ash pond, for ash slurry making with BG of Rs. 1 lakh & compliance period as continuous.</p> <p>f. Scientific closure of abandoned ash pond with soil cover and plantation over it with BG of Rs. 5 lakh & compliance period upto 30.10.2015.</p> <p>Modified BG regime will be placed before next CAC meeting for final approval.</p>
4	Compliance of Specific conditions for Pulp & Paper Units with BG & Time Bound Programme	Due to shortage of time the remaining sectors could not be discussed and the same will be discussed in the meeting to be held on 10 th October.
5	Compliance of Specific conditions for Steel Units with BG & Time Bound Programme	

The meeting ended with vote of thanks to the Chair.

General points:

1. The issue of signing the consents of Sugar, Co-gen, Distillery approved in previous meetings was discussed and CAC decided that as the cases are already approved by CAC the consents shall be issued by the respective field officers of CAC cell with his/her sign. The same will be applicable for other sectors too. An Office order in this regard to be issued accordingly immediately.

Bank Guarantee Regime for the Textile Industry (Internal)

Code	Compliance	Bank Guarantee (In Rs)	Time for Compliance	Compliance report with remarks by SRO
TWC1	Providing Closed pipeline for carrying effluent from various units to ETP	2,00,000/-	31.12.2013	15.01.2014
TWC2	Upgrade your ----- undersize / oversized units of the Effluent Treatment Plant to adequate capacity.	600,000/- (a+b)	31.03.2014	15.04.2014
TWC2a	Placing the order for upgradation.	3,00,000/-	31.12.2013	15.01.2014
TWC2b	Completion and commissioning of upgraded ETP.	3,00,000/-	31.03.2014	15.04.2014
TWC3	Providing Arrangement for treated effluent recycle and reuse atleast 50% along with Multiple Effect Evaporator (MEE).	5,00,000/-	31.05.2014	15.06.2014
TWC4	Providing adequate Land available for disposal of the treated effluent (@ 20 M ³ /Acre) , only in case the industry proposes to use the treated effluent for irrigation and gardening.	5,00,000/-	31.05.2014	15.06.2014
TWM1	To provide flow meter and pH meter at the outlet of treated effluent plant.	25000 /-	31.03.2014	15.04.2014
TAC1	Upgrade your exiting ----- Air Pollution Control System by	5,00,000/- (a+b+c)	31.03.2014	15.04.2014
TAC1a	Placing the order for upgradation.	1,00,000/-	31.12.2013	15.01.2014
TAC1b	Completion and commissioning of upgraded APC system.	2,00,000 /-	31.03.2014	15.04.2014
TAC2	Providing adequate stack height	2,00,000 /-	31.03.2014	15.04.2014
TNC1	Providing Ash Collection and Disposal arrangements	10000/-	28.02.2014	10.03.2014
HC1	Hazardous Waste as per the HW (M, H & TM) Rules, 2008.	2,25,000/-	Continuous	Monthly

THC1a	Storage (Proper cover, leachate collection system, connection to ET, Not exceeding 90 days storage etc)	1,00,000 /-		
THC1b	Mode of Disposal (CHWTSDf, recycle, incineration etc)	1,00,000/-		
THM1c	Maintaining Records	25,000 /-		
TWO1	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	10,00,000/-	Continuous	Monthly
TAO1	Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards.	5,00,000/-	Continuous	Monthly

T = Textile, W= Water, A= Air, H=Hazardous Waste, N= Non-Hazardous waste ,C=Control, M=Monitoring, O= Operation & Maintenance

	Control	Monitoring	Operation & Maintenance
Water	TWC1,TWC2,TWC2a,TWC2b,TWC3, TWC4	TWM1	TWO1
Air	TAC1, TAC1a, TAC1b, TAC2		TAO1
Hazardous Waste	THC1, THC1a, THC1b	THM1c	
Non-Hazardous waste	TNC1		

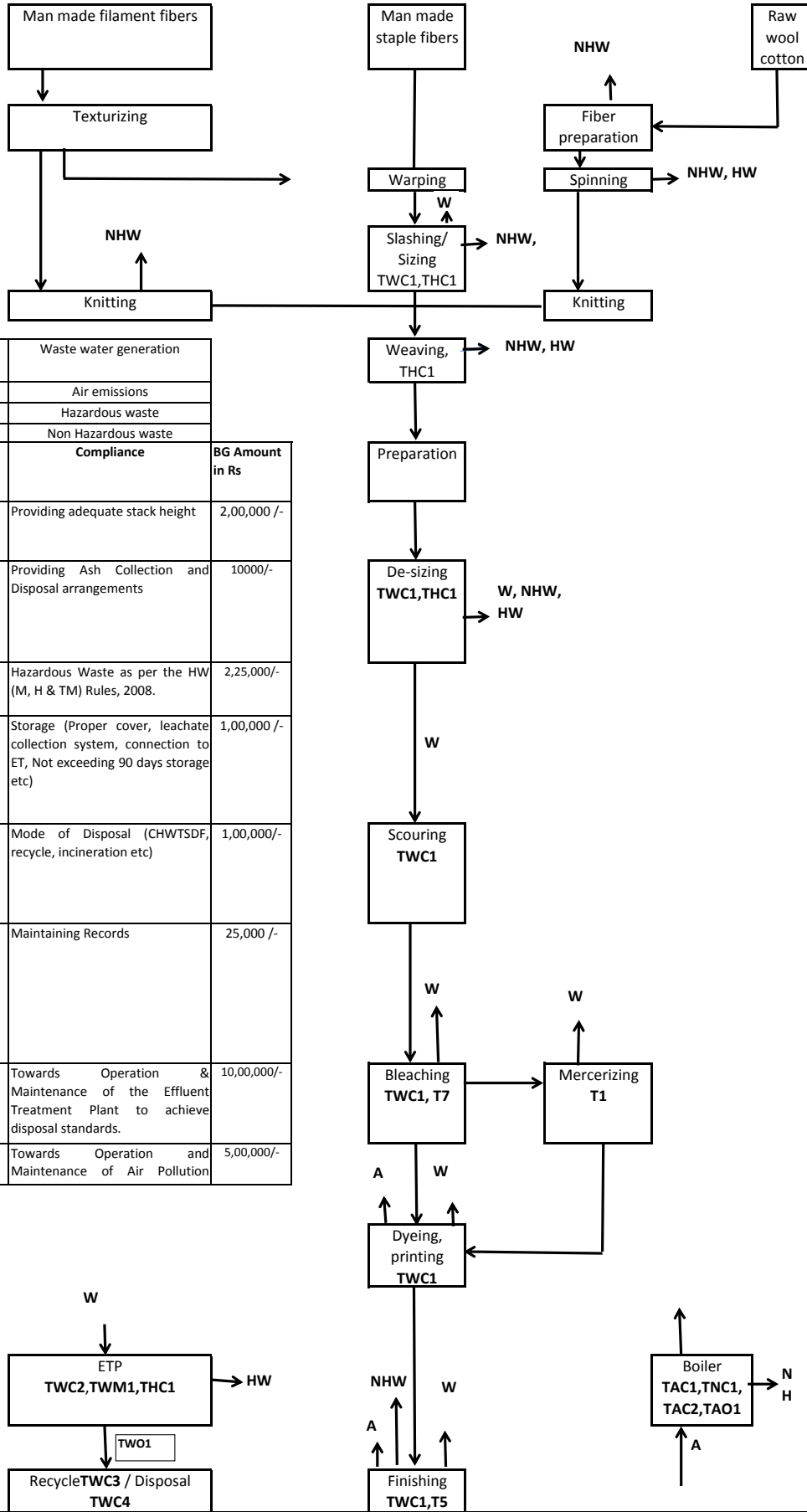
Bank Guarantee Regime for the Textile Industry (External)

Code	Compliance	Bank Guarantee (In Rs)	Time for Compliance	Compliance report with remarks by SRO
TWC1	Providing Closed pipeline for carrying effluent from various units to ETP	2,00,000/-	31.12.2013	15.01.2014
TWC2	Upgrade your ----- undersize / oversized units of the Effluent Treatment Plant to adequate capacity.	600,000/-	31.03.2014	15.04.2014
TWC3	Providing Arrangement for treated effluent recycle and reuse atleast 50% along with Multiple Effect Evaporator (MEE).	5,00,000/-	31.05.2014	15.06.2014
TWC4	Providing adequate Land available for disposal of the treated effluent (@ 20 M ³ /Acre) , only in case the industry proposes to use the treated effluent for irrigation and gardening.	5,00,000/-	31.05.2014	15.06.2014
TWM1	To provide flow meter and pH meter at the outlet of treated effluent plant.	25000 /-	31.03.2014	15.04.2014
TAC1	Upgrade your exiting ----- Air Pollution Control System by	5,00,000/-	31.03.2014	15.04.2014
TAC2	Providing adequate stack height	2,00,000 /-	31.03.2014	15.04.2014
TNC1	Providing Ash Collection and Disposal arrangements	10000/-	28.02.2014	10.03.2014
THC1	Hazardous Waste as per the HW (M, H & TM) Rules, 2008.	2,25,000/-	Continuous	Monthly
TWO1	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	10,00,000/-	Continuous	Monthly
TAO1	Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards.	5,00,000/-	Continuous	Monthly

T = Textile, W= Water, A= Air, H=Hazardous Waste, N= Non-Hazardous waste , C=Control, M=Monitoring, O= Operation & Maintenance

	Control	Monitoring	Operation & Maintenance
Water	TWC1,TWC2, TWC3, TWC4	TWM1	TWO1
Air	TAC1, TAC2		TAO1
Hazardous Waste	THC1,		
Non-Hazardous waste	TNC1		

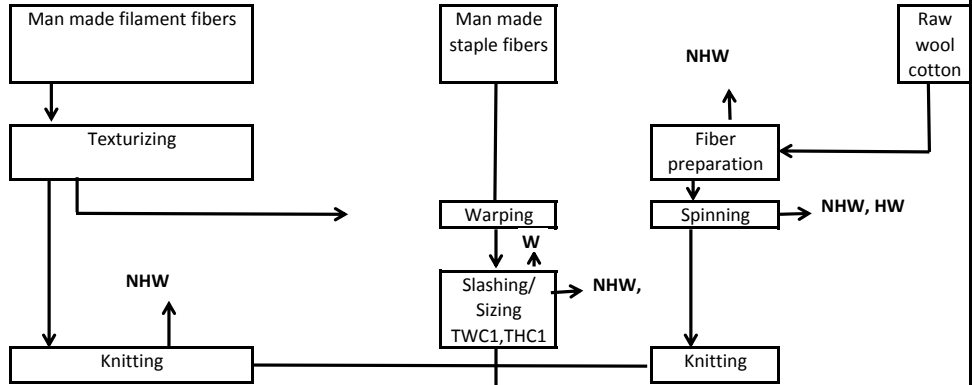
Flow Diagram for steps involved in processing in Textile industries (Internal)



Code	Compliance	BG Amount (in Rs)	Code	Compliance	BG Amount in Rs
TWC1	Providing Closed pipeline for carrying effluent from various units to ETP	2,00,000/-	TAC2	Providing adequate stack height	2,00,000 /-
TWC2	Upgrade your ----- undersize / oversized units of the Effluent Treatment Plant to adequate capacity.	600,000/-	TNC1	Providing Ash Collection and Disposal arrangements	10000/-
TWC2a	Placing the order for upgradation.	3,00,000/-	THC1	Hazardous Waste as per the HW (M, H & TM) Rules, 2008.	2,25,000/-
TWC2b	Completion and commissioning of upgraded ETP.	3,00,000/-	THC1a	Storage (Proper cover, leachate collection system, connection to ET, Not exceeding 90 days storage etc)	1,00,000 /-
TWC3	Providing Arrangement for treated effluent recycle and reuse atleast 50% along with Multiple Effect Evaporator (MEE).	5,00,000/-	THC1b	Mode of Disposal (CHWTSDF, recycle, incineration etc)	1,00,000/-
TWC4	Providing adequate Land available for disposal of the treated effluent (@ 20 M3/Acre) , only in case the industry proposes to use the treated effluent for irrigation and gardening.	5,00,000/-	THM1c	Maintaining Records	25,000 /-
TWM1	To provide flow meter and pH meter at the outlet of treated effluent plant.	25000/-	TWO1	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	10,00,000/-
TAC1	Upgrade your exiting ----- Air Pollution Control System by	5,00,000/-	TAO1	Towards Operation and Maintenance of Air Pollution	5,00,000/-
TAC1a	Placing the order for upgradation.	1,00,000/-			
TAC1b	Completion and commissioning of upgraded APC system.	2,00,000 /-			

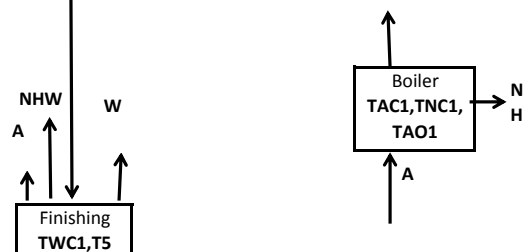
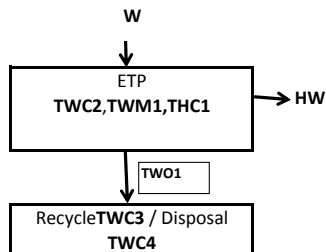
W	Waste water generation
A	Air emissions
HW	Hazardous waste
NHW	Non Hazardous waste

Flow Diagram for steps involved in processing in Textile industries (External)



W	Waste water generation
A	Air emissions
HW	Hazardous waste
NHW	Non Hazardous waste

Code	Compliance	BG Amount (in Rs)	Code	Compliance	BG Amount in Rs
TWC1	Providing Closed pipeline for carrying effluent from various units to ETP	2,00,000/-	TAC2	Providing adequate stack height	2,00,000 /-
TWC2	Upgrade your --- undersize / oversized units of the Effluent Treatment Plant to adequate capacity.	600,000/-	TNC1	Providing Ash Collection and Disposal arrangements	10000/-
TWC3	Providing Arrangement for treated effluent recycle and reuse atleast 50% along with Multiple Effect Evaporator (MEE).	5,00,000/-	THC1	Hazardous Waste as per the HW (M, H & TM) Rules, 2008.	2,25,000/-
TWC4	Providing adequate Land available for disposal of the treated effluent (@ 20 M3/Acre) , only in case the industry proposes to use the treated effluent for irrigation and gardening.	5,00,000/-	TWO1	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	10,00,000/-
TWM1	To provide flow meter and pH meter at the outlet of treated effluent plant.	25000/-	TAO1	Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards.	5,00,000/-
TAC1	Upgrade your exiting ---- Air Pollution Control System by	5,00,000/-			



Bank Guarantee Regime for the Cement plant (Internal)

Code	Consent conditions	BG amount (in Rs)	Time for compliance	Compliance report with remarks by SRO
CeAC1	Industry shall provide adequate ESP/bag filter/GBH to source emission i.e., Raw Mill, Coal Mill, Kiln, Cement Mill etc., (Per APC system)	5,00,000/- (a+b)	30/06/2014	15/07/2014
CeAC1a	Placing of order for APC system (Per APC system)	1,00,000/-	30/10/2013	15/11/2013
CeAC1b	Completion of work of APC system (Per APC system)	4,00,000/-	30/06/2014	15/07/2014
CeAC2	Providing Adequate Stack Height (per Stack)	1,00,000/-	30/06/2014	15/07/2014
CeAC2a	Providing Port hole in scientific manner at adequate height to stack.(Per stack)	25,000/-	31/12/2013	31/01/2014
	Industry to provide adequate APC systems to control fugitive emissions as below			
CeAC3a	Input areas: Raw material handling plants, raw material storage, conveyor systems/transfer points, internal roads etc APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points, concrete road with mist type sprinklers etc	5,00,000 /-	31/03/2014	15/04/2014
CeAC3b	Intermediate areas: Pulveriser/conveyor systems/transfer point/clinker gantry etc APC systems like Closed hood and Bag Filter etc	2,00,000/-	31/03/2014	15/04/2014

CeAC3c	Output areas: Product house/packaging plant, storage area, conveyor systems/transfer points bagging area etc APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points,	5,00,000 /-	31/03/2014	15/04/2014
CeWC1	Industry shall provide adequate STP for treatment of domestic effluent to achieve the prescribed standards (applicable only if Domestic Effluent generation more than 20 CMD)	5,00,000/-	31/07/2014	15/08/2014
CeAM1	Industry shall provide CAAQMS for ambient air quality monitoring	5,00,000/- #	31/12/2013	15/01/2014
CeAM2	Industry shall provide continuous emission monitoring system to stack (BG for per stack).	1,00,000/-	31/12/2013	15/01/2014
	Operation & maintenance of pollution control system			
CeAO1a	From Source emission (so as to achieve the standards)	20,00,000/-	Monthly	Monthly
CeAO1b	Fugitive emission	5,00,000/-	Monthly	Monthly
CeAC4	Industry to submit plans for NOx reduction in six months	1,00,000/-	31/03/2014	15/04/2014
CeHC1	Industry to dispose Fly ash as per fly ash Notification	10000/-	Monthly	Monthly

- Subject to general policy decision of the Board.

Ce = Cement, W= Water, A= Air, H=Hazardous Waste, C=Control, M=Monitoring, O= Operation & Maintenance

	Control	Monitoring	O& M
Water	CeWC1		
Air	CeAC1,CeAC1a,CeAC1b,CeAC2, CeAC3a, CeAC3b, CeAC3c, CeAC4	CeAM1. CeAM2, CeAC2a	CeAO1a CeAO1b
Hazardous Waste	CeHC1		

Bank Guarantee Regime for the Cement plant (External)

Code	Consent conditions	BG amount (in Rs)	Time for compliance	Compliance report with remarks by SRO
CeAC1	Industry shall provide adequate ESP/bag filter/GBH to source emission i.e., Raw Mill, Coal Mill, Kiln, Cement Mill etc., (Per APC system)	5,00,000/-	30/06/2014	15/07/2014
CeAC2	Providing Adequate Stack Height (per Stack)	1,00,000/-	30/06/2014	15/07/2014
CeAC2a	Providing Port hole in scientific manner at adequate height to stack.(Per stack)	25,000/-	31/12/2013	31/01/2014
	Industry to provide adequate APC systems to control fugitive emissions as below			
CeAC3a	Input areas: Raw material handling plants, raw material storage, conveyor systems/transfer points, internal roads etc APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points, concrete road with mist type sprinklers etc	5,00,000 /-	31/03/2014	15/04/2014
CeAC3b	Intermediate areas: Pulveriser/conveyor systems/transfer point/clinker gantry etc APC systems like Closed hood and Bag Filter etc	2,00,000/-	31/03/2014	15/04/2014
CeAC3c	Output areas: Product house/packaging plant, storage area, conveyor systems/transfer points bagging area etc APC systems like closed shed, closed conveyor system, closed hood	5,00,000 /-	31/03/2014	15/04/2014

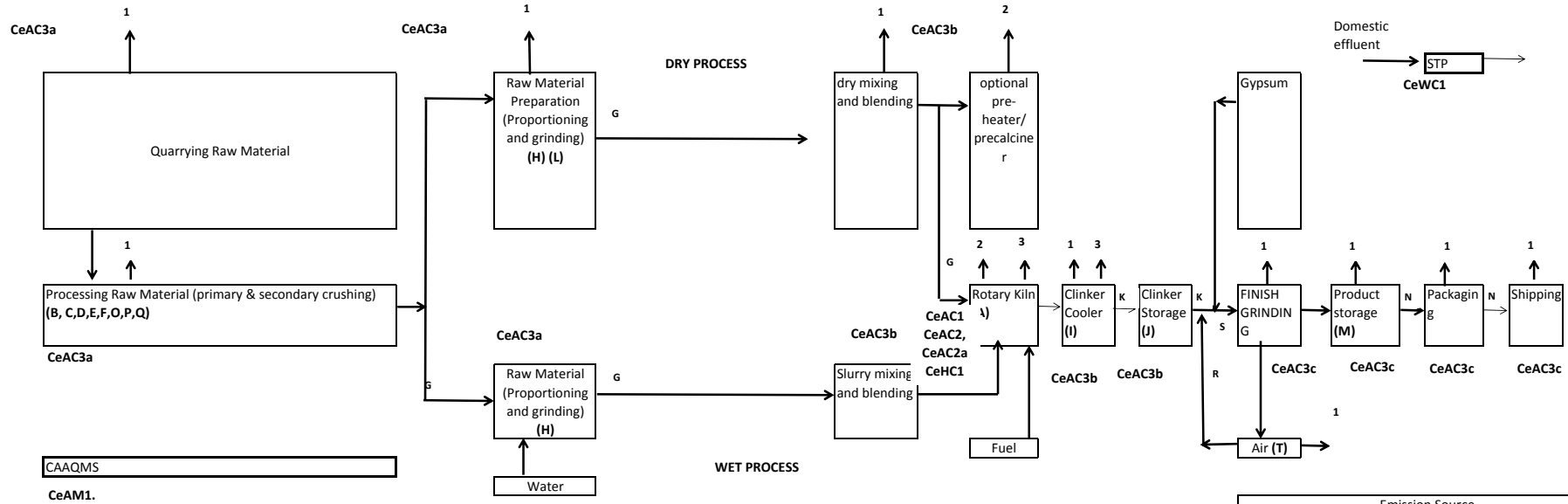
	and bag filter for transfer points,			
CeWC1	Industry shall provide adequate STP for treatment of domestic effluent to achieve the prescribed standards (applicable only if Domestic Effluent generation more than 20 CMD)	5,00,000/-	31/07/2014	15/08/2014
CeAM1	Industry shall provide CAAQMS for ambient air quality monitoring	5,00,000/- #	31/12/2013	15/01/2014
CeAM2	Industry shall provide continuous emission monitoring system to stack (BG for per stack).	1,00,000/-	31/12/2013	15/01/2014
	Operation & maintenance of pollution control system			
CeAO1a	From Source emission (so as to achieve the standards)	20,00,000/-	Monthly	Monthly
CeAO1b	Fugitive emission	5,00,000/-	Monthly	Monthly
CeAC4	Industry to submit plans for NOx reduction in six months	1,00,000/-	31/03/2014	15/04/2014
CeHC1	Industry to dispose Fly ash as per fly ash Notification	10000/-	Monthly	Monthly

- Subject to general policy decision of the Board.

Ce = Cement, W= Water, A= Air, H=Hazardous Waste, C=Control, M=Monitoring, O= Operation & Maintenance

	Control	Monitoring	O& M
Water	CeWC1		
Air	CeAC1,CeAC1a,CeAC1b,CeAC2,CeAC3a, CeAC3b, CeAC3c, CeAC4	CeAM1. CeAM2, CeAC2a	CeAO1a CeAO1b
Hazardous Waste	CeHC1		

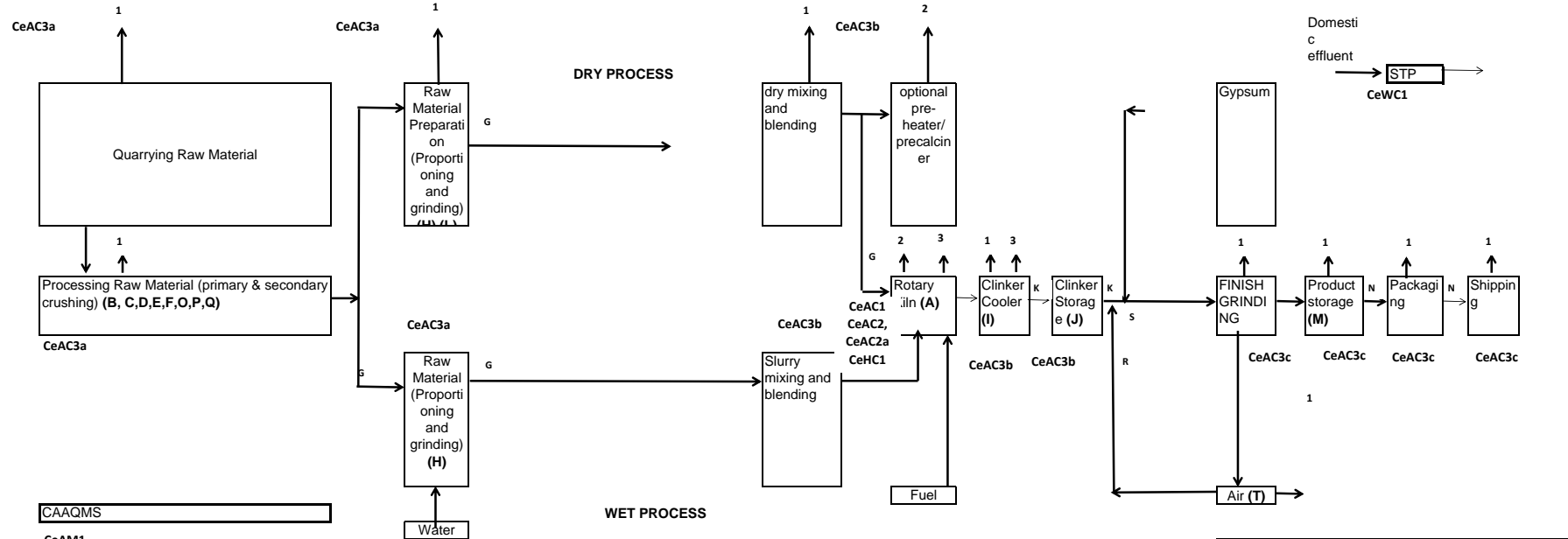
Flow Diagram for steps involved in processing in Cement industries (Internal)



Code	Consent conditions	BG Amount in Rs	Code	Consent conditions	BG Amount in Rs
CeAC1	Industry shall provide adequate ESP/bag filter/GBH to source emission	5,00,000/-	CeAM1.	Industry shall provide CAAQMS for ambient air quality monitoring	5,00,000/-
CeAC1a	Placing of order for APC system (Per APC system)	1,00,000/-	CeAM2	Industry shall provide continuous emission monitoring system to stack (BG for per stack).	1,00,000/-
CeAC1b	Completion of work of APC system (Per APC system)	4,00,000/-		Operation & maintenance of pollution control system so as to achieve the standards	
CeAC2	Providing Adequate Stack Height (per Stack)	1,00,000/-	CeAO1a	From Source emission (so as to achieve the standards)	20,00,000/-
CeAC2a	Providing Port hole in scientific manner at adequate height to stack.	1,00,000/-	CeAO1b	Fugitive emission	5,00,000/-
	Industry to provide adequate APC systems to control fugitive emissions as below		CeAC4	Industry to submit plans for NOx reduction	1,00,000
CeAC3a	Input areas: Raw material handling plants, raw material storage, conveyor systems/transfer points, internal roads etc.APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points, concrete road with mist type sprinklers etc	5,00,000 /-	CeHC1	Industry to dispose Fly ash as per fly ash Notification	10,000/-
CeAC3b	Intermediate areas: Pulveriser/conveyor systems/transfer point/clinker gantry etc APC systems like Closed hood and Bag Filter etc	2,00,000/-			
CeAC3b	Output areas: Product house/packaging plant, storage area, conveyor systems/transfer points bagging area etc	5,00,000 /-			
CeWC1	Industry shall provide adequate STP for treatment of domestic effluent to achieve the prescribed standards (applicable only if Domestic Effluent generation more than 20 CMD)	5,00,000/-			

		Emission Source			
		A	Kiln	K	Clinker transfer
(1)-	PM emission	B	Raw Material unloading	L	Clinker grinding
(2)-	PM Emission	C	Raw Material Piles	M	cement Silos
(3)-	Gaseous Emission	D	Primary Crushing	N	cement load out
		E	Secondary Crushing	O	raw mill feed belt
		F	Screening	P	raw mill weigh hopper
		G	Raw Material Transfer	Q	raw mill air separator
		H	Raw Material Grinding /Drying	R	finish grinding mill feed belt
		I	Clinker Cooler	S	finish grinding mill weigh hopper
		J	Cliker Piles	T	finish grinding mill air separator

Flow Diagram for steps involved in processing in Cement industries (External)



CAAQMS
CeAM1.

Code	Consent conditions	BG Amount in Rs	Code	Consent conditions	BG Amount in Rs
CeAC1	Industry shall provide adequate ESP/bag filter/GBH to source emission	5,00,000/-	CeAM1.	Industry shall provide CAAQMS for ambient air quality monitoring	5,00,000/-
CeAC2	Providing Adequate Stack Height (per Stack)	1,00,000/-	CeAM2	Industry shall provide continuous emission monitoring system to stack (BG for per stack).	1,00,000/-
CeAC2a	Providing Port hole in scientific manner at adequate height to stack.(Per stack)	25000/-		Operation & maintenance of pollution control system so as to achieve the standards	
	Industry to provide adequate APC systems to control fugitive emissions as below		CeAO1a	From Source emission (so as to achieve the standards)	20,00,000/-
CeAC3a	Input areas: Raw material handling plants, raw material storage, conveyor systems/transfer points, internal roads etc APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points, concrete road with mist type sprinklers etc	5,00,000 /-	CeAO1b	Fugitive emission	5,00,000/-
CeAC3b	Intermediate areas: Pulveriser/conveyor systems/transfer point/clinker gantry etc APC systems like Closed hood and Bag Filter etc	2,00,000/-	CeAC4	Industry to submit plans for NOx reduction	1,00,000
CeAC3b	Output areas: Product house/packaging plant, storage area, conveyor systems/transfer points bagging area etc .APC systems like closed shed, closed conveyor system, closed hood and bag filter for transfer points,	5,00,000 /-	CeHC1	Industry to dispose Fly ash as per fly ash Notification	10,000/-
CeWC1	Industry shall provide adequate STP for treatment of domestic effluent to achieve the prescribed standards (applicable only if Domestic Effluent generation more than 20 CMD)	5,00,000/-			

		Emission Source			
		A	Kiln	K	Clinker transfer
(1)-	PM emission Fugitive	B	Raw Material unloading	L	Clinker grinding
(2)-	PM Emission Stack	C	Raw Material Piles	M	cement Silos
(3)-	Gaseous Emission	D	Primary Crushing	N	cement load out
		E	Secondary Crushing	O	raw mill feed belt
		F	Screening	P	raw mill weigh hopper
		G	Raw Material Transfer	Q	raw mill air separator
		H	Raw Material Grinding /Drying	R	finish grinding mill feed belt
		I	Clinker Cooler	S	finish grinding mill weigh hopper
		J	Cliker Piles	T	finish grinding mill air separator