JANUARY '14 TO MAY'14

Half yearly Compliance Report on Environmental Stipulations for Expansion of Cement Plant (from 900 TPD-2600 TPD), along with 10 MW Captive Power Plant at Thangskai, Jantia Hills District by M/s Meghalaya Cements Ltd. – Environmental Clearance Letter No. SEIAA/PROJECT-2/2007/18; Dated 25th March 2009.

25.03 Envir	o. as per letter dated 3.2009 of State conment Impact	Action to be taken	Compliance
	ssment Authority CIFIC CONDITIONS		
(i)	A stack of 100 m height shall be provided with continuous on-line monitoring system in respect of Thermal Power Plant [TPP] The data collected shall be analyzed and submitted regularly to the Meghalaya State Pollution Control Board.	Provision of on-line monitoring	The project has been implemented. The online monitoring system has been installed and the data are being monitored in the system.
(ii)	High efficiency Electrostatic Precipitators [ESPs] of not less than 99.98% efficiency shall be installed in the TPP to limit particulate emission to 50 mg/Nm ³	ESPs being installed are to be certified by a third party for 99.98% efficiency and emission level to be max. 50 mg/Nm ³ .	Complied
(iii)	Sorbent limestone shall be fed (12% of coal by weight) along with coal in the boiler of the TPP to reduce formation of SOx and thus help neutralize the impact of sulphur in coal.	Such limestone will be fed along with coal as per the process of TPP operation.	Complied. We are using limestone for above purpose. as and when required for the process
(iv)	Space provision shall be made for Flue Gas	At the project stage Flue Gas De-sulphurisation	Complied specific location identified&



	De-sulphurisation [FGD] unit of requisite efficiency for removal of SO2 when required at a later stage.	provision to be made	displayed.
(v)	Dust extraction and suppression system along with water sprinklers shall be provided for controlling fugitive dust during transportation, in coal storage area and other vulnerable area of the TPP.	Mist type water sprinklers shall be provided.	Complied. Provisions made for water spray
(vi)	Water requirement for the Thermal Power Plant shall be met from the existing water source. No ground water shall be extracted for the power plant at any stage.	O.K.	No ground water is applicable in our case.
(vii)	Closed Cycle Cooling system with induced draft cooling towers shall be provided in the Thermal Power Plant.	To confirm in the project proposal.	Complied and working.
(viii)	Fire protection system shall be made in coal stock yard and other vulnerable areas of the TPP. Fire protection equipment and machinery should be tested periodically and shall always be kept in operational mode. Mock drills shall be conducted regularly.	Suitable water hydrant systems for fire protection shall be provided. Mock drills shall be conducted regularly.	Complied and regular safety training is being provided. For the next Mock drill demonstration, we have requested to Police Superintendent, Shillong, dated 15.05.2014 and the same likely to be held on 6th June'2014 (Annexure -I).



(:)	(D) - 4 4 - 1 - CC	A	01:-1
(ix)	The treated effluents shall be re-circulated	Arrangements to be made at the project	Complied. We have RO plant
	and reused within	stage.	supplied by ION
	the plant area. There		EXCHANGE LTD. For
	shall be no waste		recycling the water to
	water discharge		boiler. Also a ground
	outside the plant		sump is made for
	boundary.		recycle / Treatment.
	Rain water harvesting	Rain water harvesting	Presently we are having a
(x)	shall be practiced. A	scheme preparation in	rain water harvesting pit
	detailed scheme for	consultation with	and developed the same
	rain water harvesting	Central Ground Water	inside the plant premises.
	to recharge the	Authority/State Ground	We are using this pit for
	ground water aquifer	Water Board.	our plant as well as for
	shall be prepared in		domestic purposes. We
	consultation with		have one again requested
	Central Ground		to the Director of Soil &
	Water		Water Conservation Dept.
	Authority/State		on 3 rd June'2014 seeking
	Ground Water Board		their technical expert(s)
	within six months		guidance to develop the
	of receipt of		existing Rain Water
	Environmental		Harvesting Pit. Copy of the
	Clearance.		same is attached as.
			(Annexure -II).
(xi)	Permission for drawal	Permission for drawal of	Permission for
	of water of the	water.	drawing of water has
	required quantity		been obtained from
	from the streams in		Executive Engineer
	favour of the Cement		(Irrigation), Jaintia
	- Thermal Power		Hills Dist, vide letter
	Plant complex shall		no.AID (J) 223/2007-
	be secured from the		2008, Dated Jowai
	competent Authority		24/03/08.
	within 6 (six) months		
	of receipt of		
	Environmental		
(Clearance.	D	NT-' 1 1
(xii)	Leq of Noise level in	Provision in the	Noise levels are under
	the Thermal Power	equipments for	control Schedule
	Plant premises shall	reducing noise pollution	maintenance is being
	be limited to 75 dBA	to be made and in	carried out as per the
	and regular	operation protective	Manufacturers'
	maintenance of	equipment shall be	manuals and using
	AGUIDMANT CHOILG DA	used.	necessary PPE's.
	equipment should be	asca.	
	undertaken. For personnel working in	uoou.	(Half yearly report is enclosed)



(xiii)	personnel working in high noise areas, personal protection devices like earplugs /ear muffs, etc. should be provided. Workers engaged in noisy areas such as turbine area, air compressors, etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss apart from exercising option of shifting to non noisy/less noisy areas when necessary. Acoustic hoods shall be provided in respect of all equipment that have potential to contribute towards noise pollution and additionally technical improvement measure detailed in para 4.3.2 of the EIA/EMP report of the project proponent shall be adopted in the TPP towards noise attenuation. Dry ash collection system shall be provided in the	While finalizing the machinery acoustic hoods shall also be planned. Dry ash collection and transportation system to be given in the	Complied.
	adopted in the TPP towards noise		
(xiv)	Dry ash collection system shall be	transportation system to be given in the project.	Complied.
(xv)	The stack emission	The regular monitoring	Complied.



	:	L. 1 1 1 1	(0:
	from various sources	to be done by	(Six month's report is
İ	shall not exceed 50	Environment	enclosed)
	mg/Nm3	Department.	
(xvi)	The project	The necessary	We are in dialogue
	proponent shall get	certification of Pollution	with such
	the optimum	Equipment to be done.	institution/Organizati
	functioning of the		on for their
	environmental		certification.
	protection equipment		
	certified by a		
	technical institution		
	of repute.		
	Bag House/Filters	Fugitive emission while	
(xvii)	shall be provided to	loading and unloading	Complied.
, ,	control the fugitive	of raw materials etc.	_
	emission during		
	loading and		
	unloading of raw		
	materials/intermedia		
	te and finished		
	products.		
(xviii)	The project	Suitable sheds if	
ľ ,	proponent shall store	necessary further sheds	Complied.
	all the raw materials	are to be constructed at	_
	except limestone in	the project stage itself.	
	covered sheds to		
	control fugitive		
	emission. The coal		
	storage facility		
	should have water		
	sprinkling facility in		
	order to arrest fire		
	hazard, if any.		
(xix)	The ambient air	The ambient air quality	Complied.
, ,	quality monitoring	monitoring has to be	(Six month's report is
	stations shall be set	done and if necessary	enclosed)
	up as per statutory	additional monitoring	
	requirement in	stations to be	
	consultation with the	purchased.	
	Meghalaya State	_	
	Pollution Control		
	Board (MSPCB) and		
	additional stations		
	shall be installed, in		
	the downwind		
	direction as well as		



where maximum Ground level concentrations are anticipated.	·	
(xx) Quarterly reports on emission levels, surface and ground water quality shall be submitted to Meghalaya State Pollution Control Board, Chromium (VI) level in nearby surface water bodies flowing in the easter site of the Plant, and ground water shall be monitored and reported to the MSPCB. Water in the Common Effluent Pit of the TPP shall be monitored monthly for Chromium (VI) toxicity and ensured that its level dose no rise beyond 0.905 mg/t.	and water quality shall be submitted to MSPCB Quarterly reports on Testing for Chromium (VI) level in nearby surface water bodies monitoring. Monthly monitoring of Chromium (VI).in effluent pit. Provision of effluent treatment plant.	Complied.



			
(xxi)	Total water requirement shall not exceed 2000 cum/day [inclusive of the water requirement of the TPP]. The project proponent shall install sewage treatment plant of minimum 120 m³ /day capacity employing suitable and appropriate technology to treat domestic sewage and treated sewage shall be utilized for green belt development. No waste water shall be discharged outside the premises and zero discharge shall be ensured. No surface runoff from the factory premises shall either reach/contaminate Um-lunar River or any other stream flowing near the industrial location.	Total water requirement shall not exceed 2000 cum/day including TPP and zero discharge shall be ensured.	We are regularly intimating the water consumption reports to the Board. (Half yearly report is enclosed)
(xxii)	The project proponent shall make all out effort to use high calorific value hazardous waste in the kiln towards which necessary provision shall be made.	Utilization of high calorific value hazardous waste – refer MePCB letter dated 14.04.2009 on the subject.	Procurement of materials for use of high calorific value hazardous waste is not available around the plant within 50 kms. radius.
(xxiii)	The project proponent shall transport raw materials and industrial products	Transportation of raw materials by covered means.	Complied.



	through covered means.		
(xxiv)	Thirty three percent of the core project area i.e. 20.143 Ha of land shall be developed as green belt by the project proponent as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission, incurring the expenditure as stated by the project proponent. The program ought to be completed within 5 years from the date of issue of prior Environmental Clearance. Suitable species in respect of the same for the stated area shall be approved by the project proponent from the DFO (Territorial) of Jaintia Hills District.	Development of green belt upto 33% of the project area i.e. 20.143 Ha of land shall be developed as green belt.	Green belt development has been started since 2007 and the work is going on as per the guide lines. Inside the plant area we have 12.75 Ha natural green belts which we are maintaining from the very beginning. While, we have planted 2.0 Ha (approx) area till date. In totality we have covered 14.95 Ha.i.e.73% (approx) of the targeted area. We have already planted 4500 Nos Sapling during last month. DFO (T), Jowai has adviced to Umkiang Range Forest Officer to provide 3500 nos. sapling and we have collected around 700 nos. saplings from Umkiang Nursery and rest from Youth Nursery Lanka, Dist-Hojai, Assam. For balance saplings from Umkiang nursery will be collecting soon to achieve the target during this monsoon season.
(xxv)	The project proponent shall provide a Health Care Center with all emergency medicines and ambulance along with regularly serving doctors complete with emergency unit that would function round	Provision of Health Care Centre.	The Health Care Centre is functioning under one qualified doctor with other supporting staff round the clock. Other infrastructures are Developed.



	the clock. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained in compliance of provisions contained on Chapter III and V of the Factories Act, 1948.		
(xxvi)	The salaries of the Cleaners shall be raised by 30% from the present Rs.2500/- p.m. as assured by the project proponent at p.0.15 of the EIA/EMP report in response to concern raised during the Public Hearing.	The salaries of Cleaners shall be raised.	Annual review is completed increments given to employees and this has reflected in salaries.
(xxvii)	Measures shall be taken to prevent impact of particulate emission/fugitive emission, if any, from the proposed plant on the surrounding private forest areas depicted in their land use study.	To conduct studies for preventing impact of emission on the surrounding private forest areas.	Implemented.
(xxviii)		This is regarding purchase of lime stone.	In practice.



	encouraged in the		
	process.		
(xxix)	-	Protection of biodiversity of the region and provision of green house etc. a scheme with the help of Botanical Survey of India to be made and activity to be shown within one year.	We have requested DFO(T), Jowai for providing us the requisite endangered species for the purpose and also request him to guide us about the matter. In the meantime we are trying to collect these species from other Nurseries. A copy of our request letter is attached as (Annexure —).



	Annonaceae vi) Begonia rubrovenia, Begoniaceae vii) Ceologyne ovalis, Orchidceae A scheme /conceptual plan of raising such threatened species shall be prepared in consultation with a reputed institution such as Botanical Survey of India complete with cost and activity schedule within one year from date of issue of prior Environmental Clearance.		
(xxx)	The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such Hedychium dekianum, [Zingiberaceae], Cymbidium eburneum (Orchidceae), or Dendrobium denonianum (Orchidceae) which would be carried out by an appropriate research or academic institution located in Meghalaya within a year of issue of prior	Research and Development project for conservation of threatened category of species - with the help of Research or Academic Institution of Meghalaya to be done.	We have once again requested to The Head of Department of Environmental Sciences, North Eastern Hills University, Shillong on 3 rd June'2014 to conduct the research and development project at our site. Copy of which is attached as (Annexure).



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	Environmental		
	Clearance. The		
	research project shall		
	be instituted at an		
	expenditure of a		
	minimum of Rs.5		
	lakh per year spread		
	over at least 3 years.		
(xxxi)	A Conservation Plan	Conservation of wild	
(,	for conservation of	fauna – the plan to be	Action has been taken
	wild fauna in	made with the help of	and we are
	consultation with a	Wildlife Institute of	corresponding with
	reputed institution	India, Dehradun and	Wildlife Institute of
İ	such as Wildlife	submit.	India, Dehradun for
	Institute of India,	Subilit.	the same. However
	•		It is stated that We
	Dehradun shall be		
	prepared and		have no endangered
	implemented. Such		wildlife animals in
	conservation plan		and around of the
	drawn in respect of		plant area as per the
	wild life shall be		departmental Studies.
	completed within a		
	maximum of 1 year		
	from the date of issue		
	of prior		
	Environmental		
	Clearance and		
	implemented		
	thereafter by the		
	project proponent.		
	A sum of Rs.2109.52	Capital expenditure and	Complied
(xxxii)	lakh shall be spent	revenue expenditure of	Expenditure details
(22221)	towards capital	the project and	are enclosed
	expenditure as stated	environment.	(Annexure- Y).
	by the project	ciivii oiiiiiciit.	(Allinexare 134).
	proponent towards environment		
	protection and a further sum of		
	Rs.501.60 lakh as		
	recurring cost		
	annually shall be		
	spent by the project		
	proponent towards		
	environmental		
	protection.		
	protection.		

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(xxxiii)	A sum of Rs.50 lakh	Socio-Economic	Implemented,
(XXXIII)	shall be utilized	development.	Expenditure details
	annually by the	An eco-development	are enclosed
	project proponent till	ı	are enclosed
		plan to be prepared and submitted.	
	the project subsists towards socio-	submitted.	
	economic/eco-		
	development		
	activities in the area		
	part of which shall be		
	spent towards		
	distribution of free		
	medicines, malaria		
	eradication program		
	etc. in the nearby		
	villages. A portion of		
	the sum (5%) shall be		
	set apart annually		
	towards creation of		
	employees' welfare		
	fund. Details of		
	expenditure incurred		
	under this Para shall		
	form part of the		
	compliance report to		
	be submitted to the		
	SEIAA/SEAC.		
	Further, a		
	comprehensive long		1
	term eco-		
	development plan		
	shall be prepared by		
	the project proponent		
	within six months of		
	receipt of prior		
	Environment		
	Clearance.		

A. GENERAL CONDITIONS

In respect of the Cement Plant – Thermal Power Plant project the following general conditions shall be adhered to by the project proponent:



(i)	The project proponent shall strictly adhere to the stipulations of the MSPCB/State Government or any other statutory body	Following the stipulation of MSPCB.	Complied.
	as framed/modified from time to time.		
(ii)	At no point of time, either the clinker production or cement production of either PPC or OPC type shall exceed the limit of 2600 tons per day.	Limits of production capacity.	Complied.
(iii)	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment & Forests or their nominated authority as the case may be. In case of deviation or alteration in the project proposal from those submitted to the Committee for clearance, a fresh reference shall be made to the SEAC through SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures	No further expansion or modification without clearance.	Complied.



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(iv)	The gaseous emissions (SO2, NOx) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from to time. At no point of time, the emissions shall exceed the prescribed limits. Interlocking system of equipment shall be chosen such that in the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Interlocking system of machines to control SO2, NOx levels in case of failure.	Complied.
(v)	The project authorities should adhere to the provisions stipulated in the fly ash notification of September, 1999 as amended in August, 2003 with regard to fly ash utilization.	Adhering to the provision in the fly ash notification.	Complied.
(vi)	The industry shall undertake the following waste minimization measures:	Waste minimization measures.	It is an ongoing process and has been implemented.



	• Pause of her		
	 Reuse of byproducts from the process as raw materials or as raw material substitutes in other process. Use of closed pneumatic system for transport of fine material. All venting systems shall be connected with dust or particulate arresting equipments. Dust/particulate matter collected in pollution control equipments shall be reused. 		
(vii)	Fugitive emissions in the work zone environment, product and raw materials storage	Monitoring fugitive emissions.	Complied.
	area shall be regularly monitored. The emissions shall		
	conform to the limits imposed by the State Pollution Control		
	Boards/Central pollution Control Board.		



(viii)	Dust/particulate matter collected in pollution control equipments shall be reused. Spares would be maintained in respect of all pollution control equipment. Maintenance and optimum functioning of the pollution control equipment shall be ensured by the project proponent.	Use of dust collected in pollution control equipments.	Complied.
(ix)	The project proponent shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, as amended from time to time. Authorization from the MSPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Authorization for Hazardous materials.	Authorization letter No. MPCB/TB- (HSM)/ATH-21-2007/ 2010-2011; dated 15 th December 2010 obtained from MSPCB. Valid up to Dec 2015.
(x)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Environmental	Formation of Environmental Management Cell with laboratory and Chromium testing kit.	Complied and dedicated environmental Management Cell functioning.



· · · · · · · · · · · · · · · · · · ·		
Quality Monitoring functions. A state of the art Chromium testing kit shall be maintained in the laboratory.		
All pollution control equipment in STP of the type specified by the project proponent shall be duly installed and manned full time by trained personnel appointed for the purpose.	Sewage Treatment Plant.	The STP project has been commissioned and since 2nd June' 2014 it has been adopted in our system. Flow diagram of the same is attached as Annexure
A six monthly compliance status report shall be submitted to SEIAA/SEAC and Regional Office, Ministry of Environment & Forests, Govt. of India, Shillong apart from posting the same on the website of the Company.	Six monthly report to SEIAA/SEAC and posting in website.	Complied.
Implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional Office, Ministry of Environment & Forests duly assisted by the SPCB. The Regulatory Authority may revoke or suspend the	Meghalaya State concerned Offices	Concerned Authorities particularly MSPCB regularly visited the project area as per their requirements and we have been submitting all the reports accordingly from the very beginning.
	functions. A state of the art Chromium testing kit shall be maintained in the laboratory. All pollution control equipment in STP of the type specified by the project proponent shall be duly installed and manned full time by trained personnel appointed for the purpose. A six monthly compliance status report shall be submitted to SEIAA/SEAC and Regional Office, Ministry of Environment & Forests, Govt. of India, Shillong apart from posting the same on the website of the Company. Implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional Office, Ministry of Environment & Forests duly assisted by the SPCB. The Regulatory Authority may revoke	functions. A state of the art Chromium testing kit shall be maintained in the laboratory. All pollution control equipment in STP of the type specified by the project proponent shall be duly installed and manned full time by trained personnel appointed for the purpose. A six monthly compliance status report shall be submitted to SEIAA/SEAC and Regional Office, Ministry of Environment & Forests, Govt. of India, Shillong apart from posting the same on the website of the Company. Implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional Office, Ministry of Environment & Forests duly assisted by the SPCB. The Regulatory Authority may revoke or suspend the



recommendation of the SEAC, if implementation of any of the above conditions is not satisfactory.

The Regulatory
Authority may on the
recommendation of
SEAC reserve the
right to stipulate
additional
conditions, if found
necessary. The
company in a time
bound manner shall
implement these
conditions too.

The above conditioOns will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment

(Protection) Act, 1986, Hazardous Waste (Management & Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.



Dated 15-05-2014

To,

The Superintendent of Police, Fire & Emergency Service, Meghalaya, Shillong.

Sub: Request to conduct Fire Fighting Mock drill demonstration at Meghalaya Cements Limited,

Dear Sir.

We would like to draw your kind attention to the fact that we are intent to organize a "Fire Fighting Mock Drill Programme" in our Plant premises with your consent and valuable assistance to guide our fire fighting team to face in any difficult situation in case of fire take place in and around the Plant. In this regard, we have requested you earlier also vide our letter dated 06-09-2013 to conduct this program but could not be held.

Therefore, we request to your good self to fix a program to conduct the event as soon as possible and let us know the exact date which is convenient for you to arrange the program at our Site located at Thangskai, P.O. Lumshnong, East Jaintia Hills district, Meghalaya. Meanwhile, we assure you that we shall be able to bear the expenses/fees if any likely to be arises while conducting the said program.

We are sanguine that you will be kind enough to consider our request and will advise concerned department to organize the program in the better interest of our Organization. We will be highly grateful if you could send us a line of confirmation on the proposed program.

Thanking you,

Yours faithfully, For Meghalaya Cements Limited

(R. K. Pareek)

President.





Ref: - MCL/JD/ENV/Soil & Water/2014-15/001

Date: - 29.05.2014

To,
The Director,
Soil and water Conservation Department,
Shillong, Meghalaya

Sub: - Technical guidance for Rain Harvesting Pit.

Ref: our letter No. MCL/ENV/013/2012-13/02 dated 8th February'2014

Dear Sir,

With reference to the above we would like to draw your kind attention on the captioned subject to provide us your technical guidance from your department to develop our existing rain harvesting pit which we have constructed inside our plant area. Presently we are using the water for the purpose of our daily water consumption requirements for domestic as well as plant from the same pit. We have requested your good-office vide our above referred letter to give us your technical expert(s) guidance for the same but so far no pronouncement received from your end. As per the MoEF compliance report it should be approved by the State Water Authority.

Under the circumstances we humbly request your good-self to look into the matter and provide us the experts guidance at the earliest to enable us to comply the environmental stipulations properly.

Thanking you,

Yours faithfully,

For Meghalaya Cements Li

(R.K. Pareek) President

Encl: - copy of our letter dated 8th Feb 2013

Lunder Boll & Water Cons

HELPLINE NO: 18001233666

Kolkata : BE-77, Salt Lake City Sector-1, Kolkata - 700 064 Tel. : 033 2334 0666 / 0004 Fax : 033 2334 0505 Village Thangalosi, P.O. Lumehnong Pin - 793 200, District Jeintin Hills, Maghalaya Tel.: 03655 278324 / 383 / 384 Fax: 03955 278327

Fax: 03655 278327 E-mail: maghalaya@topcam.in



MEGHALAYA CEMENTS LIMITED

TOPCEM

Date: 12.12.2013

To, The Divisional Forest Officer (T) West Jaintia Hills District Jowai, Meghalaya

Sub: - Request to provide 3500 nos saplings of suitable species and also requisite quantity of some endemic species for green belt development and green house for our plant area located at Thangskai village, Meghalaya.

Dear Sir,

We would like to draw your kind attention to the fact in order to develop green belt and to mitigate the fugitive emission and to maintain eco-friendly atmosphere in East Jaintia Hills of Meghalaya, we, MCL, the pioneer of Green Field Project and need to register our requirement of suitable species of Plants from your end.

As a measure protection of rich biodiversity of North East region we need the requisite number of saplings as well as the following endemic species for our Green house project. The list of the endemic species as given by the SEIAA in our Environmental Clearance as an environmental compliance is as follows-

1)	PTRACANTHUS GRIFFTHIANU, (ACANTHACEAE)	- 100 Nos 🦴	
2)	NEPENTHES KHASIANA, (NEPENTHACEAE)	- 100 Nos	
3)	ARGASTEMMA KHASIANA, (RUBIACEAE)	- 100 Nos Spare any	
4)	FIMBRISTYL NIGROBRUNNEA, (CYPERACEAE)	- 100 Nos > of 3 to 4	
5)	TRIVALVARIA KANJILAJI, (ANNONACEAE)	- 100 Nos number spe	cies
6)	BEGONIA RUBROVENIA, (BEGONIACEAE)	- 100 Nos	
7)	CEOLOGYNE OVALIS, (ORCHIDCEAE)	- 100 Nos	

Apart from the above mentioned endemic species also provide us the following saplings: -

1)	GULMAHAR	- 800 Nos
2)	SILVER OAK	- 800 Nos
3)	KADAMBA	- 500 Nos
4)	TITA CHAPA	- 500 Nos
5)	ROYAL PALM	- 400 Nos
6)	GOMARI	- 500 Nos

Further as per the condition of Environmental Clearance thirty three percent of the condition area shall be developed as green belt and suitable species in respect of the same for the stated area shall be approved by the project proponent from the D.F.O. (T) of Jiantia Hills District.



Sales & Municing Office : Maps Pisza, 4th Floor, Catalien Benti G.B. Flood, Gunehall - 751 005 Tel.: 1001 224542/122522, Fox : 1001 2245419 E-mail : gunnhali@ippoors.in

HELPLINE NO: 18001233666

Kelkete: 8E-77, Selt Lake City Sector-1, Kelkete - 700 064 Tel.: USS 2334 UR66 / USD4 Fax: USS 2334 UR66 / USD4 Registered Office: Village Therapital, P.O. Lumehvorg Pin - 793 200, Diabot Jointin Hills, Megheleye T.d.: 10066 27452h 1383 1384 Fee: 10066 27452h Fee: 10066 27452h





in view of the above you are requested to kindly instruct the concerned Nursery to arrange and issue us the above saplings at the earliest and also guide us in respect of conservation plots of the endemic species listed above. We are to inform you the cost of the Plants will be borne by us.

Thanking you,

Yours faithfully,

For M/s Meghalaya Centre Dimited,

(R.K. Pareek) President







Ref: - MCL/JD/ENV/2014-15/001

Dated 29th May,2014.

To, The Head of Department, **Environmental Sciences**, North Eastern Hill University Meghalaya, Shillong - 793022

Sub: - Request to support for a Research and Development project for the conservation of threatened category species for Cement manufacturing unit.

Ref: - our letter No. MCL/ENV/MOEF/2012-13/02 dated 11th February'2013

Dear Sir/Madam,

This is in continuation to our letter dated 11th February'2013 referring on the captioned subject wherin we have requested your valuable technical guidance, support and cooperation of your esteemed university for conducting a research project for our plant, located at Village - Thangskai, PO- Lumshnong, East Jaintia Hills, Meghalaya. In this connection, so far we have not received any communication from your good self to explore the feasibility of conducting the research and development project in our site.

At the same time, we like to bring your kind notice that it is extremely necessary on our part to conduct a research project as asked under the Minstry of Environment and Forest environmental stipulations for the expanded project. Meanwhile we have developed some threatened species saplings in our Company garden and later it may be shifted to green belt areas inside the plant.

As such we again request to your good-self to spare your valuable and convenient time to fulfill our requirements for the detailed project.

Thanking you,

Yours faithfully,

For Meghalaya Cements Li

(R.K. Pareek) President

Feb'2013 Encl: Copy of our letter dated 11

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HELPLINE NO: 18001233666



Amexun -V

Revenue Expenditure on Environment Protection Equipments/Machinery From 01.01.14 to 30.05.14

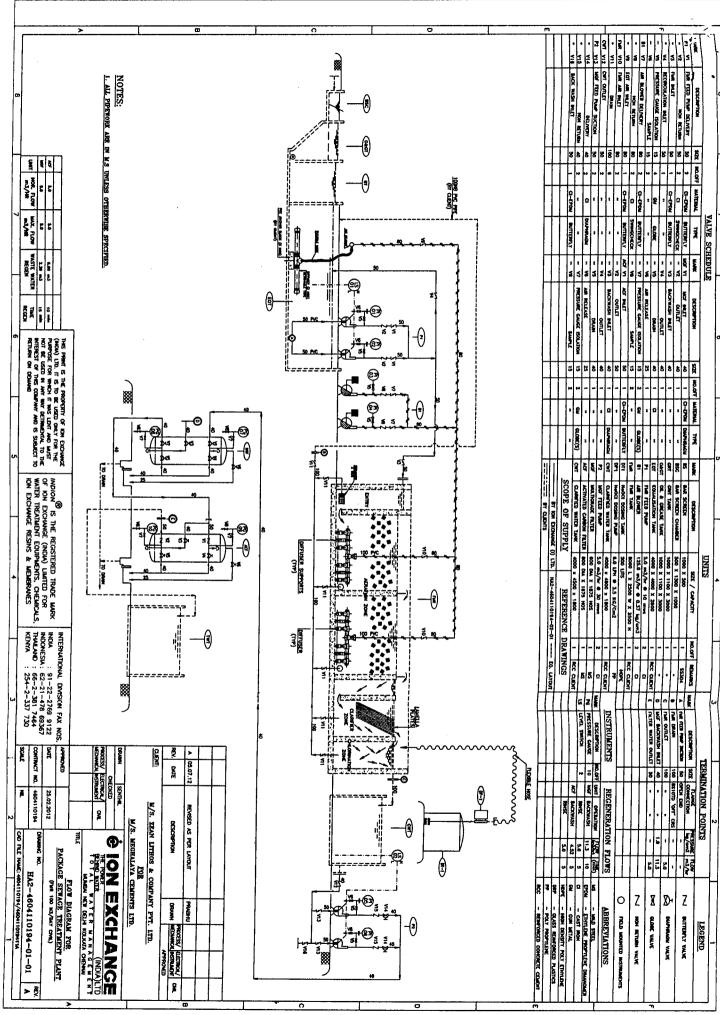
SL NO	PARTICULARS	AMOUNT
1	Electrostatics Precipitators (ESP)	97,093
2	Reveresal Air Bag House (RABH)	34,445
3	Coal Mill	35,744
4	Cement Mill & Packing Plant	21,491
5	Raw Mix Section	10,568
6	Clinkerisation Section	3,210
7	L/S Section	126
	(The Man Power Maintenance in the above mentioned revenue's not included)	
	TOTAL	202,677



Expenditure Incurred for Socio-Economic Development under CSR From 01.01.14 to 30.05.14

SL.NO.	HEADING	AMOUNT
1	Emphasis on Education	228,241
2	Encouraging/Felcitation prog for students	26,000
3	Awarness campaign for personally given	3,000
4	Polio Immunization Camps,Family planing etc.	199,953
5	Infrastructure development of Hospitals/Schools (Ambulance Provision Etc.)	69,839
6	Cement Distribution Programe	2,497,600
7	Plant Distribution Programe	30,394
8	Donation to Churches & Road Repairing etc.	6,800
9	Drinking water supplying schemes	686,117
10	Village Development Funds	83,334
	Total	3,831,278





Anthebure III

Six Monthly Report: Stack Emission and Ambient Air Quality, 2014

	Su	spended Par	ticulate	Matter	(SPM):mg/	Nm ³
Chimney	January	February	March	April	May	Avg.
Primary Crus	her 37.5	44.2	40.2	42.1	44.7	41.7
Secondary Cru	sher 32.8	40.9	46.9	44.9	41.7	41.4
Coal mill :	32.4	39.7	31.5	27.8	33.6	33.0
Coal mill	2	33.2	39.1	35.2	38.5	36.5
RABH 1	21.3	21.3	25.8	30.3	29.5	25.6
RABH 2	34.6	30.2	36.2	30.7	33.9	33.1
ESP 1	28.6	23.4	19.8	23.1	27.0	24.3
ESP 2	43.2	36.2	27.4	24.5	31.2	32.5
Packing Hou	se 33.8	43.7	45.2	46.2	39.6	41.7
Cement Mil	38.5	33.5	42.6	4.5.0	40.5	38.7
		Ambient A	ir Quali	ty (AAQ)	: μg/Nm³	
Location	January	February	March	April	May	Avg.
DG PM	10 85.3	79.8	81.9	62.5	74.9	76.8

	10 10		Ambient Air Quality (AAQ): µg/Nm ³					
Locat	cion	January	February	March	April	May	Avg.	
DG	PM 10	85.3	79.8	81.9	62.5	74.9	76.8	
House	PM 2.5	38.73	22.1	54.8	25.2	32.1	34.6	
Guest	PM 10	62.7	33.2	48.2	52.7	52.9	49.9	
House	PM 2.5	31.1	65.5	13.2	16.9	21.3	29.6	
	PM 10	71.6	79.4	72.2	95.7	82.6	80.3	
Crusher	PM 2.5	28.3	45.2	28.6	40.4	44.2	37.3	

Analyzed & Verified by

THANSSYAL C

Dr.P.C.Mishra

Six Monthly Report: Noise Intensity and Water Consumption, 2014

		Noise Intensity: (Db)							
Location		January	February	March	April	May	Avg.		
DG	Day	66	65	77	76	80	72.8		
House	Night	57	60	74	75	71	67.4		
Guest	Day	57	58	60	59	57	58.2		
House	Night	53	53	52	50	52	52.0		
	Day	65	72	77	72	69	71.0		
Crusher	Night	58	55	55	51	49	53.6		

	Water Consumption: KL							
Location	January	February	March	April	May Till-27 May	Avg.		
Domestic	3640	3141	3503	3076	2617	3195.4		
Industrial	32569	32182	28546	36105	38095	33499.4		

Analyzed & Verified by

Dr.P.C.Mishra

Six Monthly Report (CPP): SPM, AAQ and Water Consumption, 2014

Chimney: CPP		Suspended Particulate Matter (SPM):mg/Nm3							
		January	February	March	April	May	Avg.		
		35.4	42.1	46.5	42.6	45.7	42.5		
			Ambient	Air Quali	ty (AAQ):	μg/Nm ³			
Location: CPP		January	February	March	April	May	Avg.		
	PM 10	53.6	59.0	53.2	53.4	48.3	53.5		
S↔W	PM 2.5	41.5	37.6	42.6	49.3	26.4	39.5		
	PM 10	47.3	51.8	60.1	67.2	58.6	57.0		
S↔E	PM 2.5	35.2	33.2	41.9	45.2	34.3	37.9		
	PM 10	42.2	49.3	39.7	42.3	73.6	49.4		
N↔E	PM 2.5	31.6	35.5	31.5	36.3	45.8	36.2		
						· I 			
		Water Consumption: M ³							
Location: CPP		January	February	March	April	May Till-27 May	Avg.		
		56527	36063.73	43635.02	61121.2	37494	40219		

Analyzed & Verified by

Dr.P.C.Mishra