ANDHRA CEMENTS LIMITED DURGA CEMENT WORKS

REGISTERD POST

ACTION/MOEF/2049-18/

Date 01.12.2015

The Additional Principal Chief Conservator of Forest Ministry of Environment Forest and Climate Change Regional Office – South Fastern Zone ⁴⁹ and 2¹⁶ Floor III, PC Bullining 34 Cathedral Carden Road NungembakXam, Chennal-900034

Sub: Six monthly Environment Clearance Compliance report (April 2015 to September 2015) granted by MoEF vice letter No.F No.-J (1011/719/2007- A li (I) dated 20th December 2007.

Dray Sil

With Reference to above, please 1nd enclosed half yearly Environment Clearance compliance report of Durga Cameni Works, a unit of Andhra Comonis Limiten furnitia period of April 2015 to September 2015 for your kind information and record please.

hanking Year

Yours fail-fully For DURGA CEMENT WORKS A unit of Arithma Cement Limited

(Anjah) Sr.CW PSOC

Enci As above Copy to The Mombor sporolary, AP Pellution Control Board Paryoveran Bhovan A (I) IE, Satath Nagar Hyderabac 500018

The Director, Regional Office (South Zone) Mg/51 Govt ull India, Kendriye Sadan h^{ill} Floor, 5&F Wing 2nd Block Kormangala Benge uru-560034

Scientist & Incharge Central Holl Jon Control Board, 1^{er} & 2rd Hoor, Nisarga Bhavan A-Block Thimmaiah Main Road 7th D Cross, Shivonagar Bop Pushpanjali Theatre, Banga tre, Kamalaka

The Environment Engineer Regional office, AP Pollution Control Board 102 Raghava Apartment, Brundsvan garenn GUNTUR-522007, Anonra Pradesh



Regd. Office & : Fectory

ANDHRA CEMENTS LIMITED

Durga Cercent Works, Durgapuram, Srinagar (P.O), Dachepalli - 522 414. Guntur Dt. Andhra Pradesh Ph : +91-8649-257428-29, Fax : +91-8649-257449 Name of the Project: Durga Cement Works. A Unit of Andhra Cements Limited Gamalapadu (V), Dachepalli (M) Guntur District, Andhra Pradesh Pin- 522414

Clearance Letter No.: J-11011/719/2007-IA II (I) dated 20.12.2007.

Period of Compliance Report: April 2015 to September 2015

Specific	Conditions:							
S.No	Conditions	Compliance Statue						
i	Continuous monitoring system to monitor gaseous emissions shall be provided and limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system and data submitted to the Ministry's Regional Office at Bangalore, A.P. Pollution Control Board (APPCB) and CPCB regularly.	 Continuous monitoring system to monitor gased emissions through stacks has been working and online r time monitoring data is being transmitted to APPCE CPCB Server & Display board at factory gate regularly. pollution control equipments like RABH installed in Kiln Raw mill, Bag filter installed in coal mill, ESP installed Cooler. Bag filters installed in cement mills. PM leve maintained below 30 mg/Nm³. Data is being submitted Ministry's Regional Office at Chennai, A.P. Pollut Control Board (APPCB) and CPCB regularly. St monitoring report from April 2015 to September 2015 givelow 					paseous line real 'PCB & arly. Air Y Kiln & talled in level is nitted to Pollution Stack 15 given	
			STA	CK MONITORING	REPORT mg/N			
			KABH	COOLERESP	CUAL MILL	CEMENT MILL-1	LEMENT MILL-2	
		MAX.	20.45	15.27	22.60	20.37	25.43	
		MIN.	10.16	5.13	12.64	10.45	15.16	
		AVG.	14.96	7.84	17.15	14.48	19.60	
		STD DEV.	2.91	2.47	2.34	2.75	3.42	
		COFF. OF VARIATION	0.19	0.32	0.14	0.19	0.17	
		98 PERCENTILE	20.04	14.52	22.14	20.09	24.98	
iii	extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Crusher shall be operated with high efficiency bag filters. All conveyers shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling. Secondary fugitive emissions shall be controlled within the latest permissible limits issued by the Ministry and	 filters) have been installed to control fugitive dust emissions at various transfer points i.e raw mill handling (unloading, conveying, transporting stacking) bagging and packing areas etc. Crusher has been provided with 99.9% high efficiency bag filters. All conveyers are covered. Covered sheds are provided for storage of raw material such as laterite, coal, gypsum. Cement, Clinker and Fly ash are stored in silos. Pneumatic system being used for fly ash handling. The secondary fugitive emission is being controlled by providing dust collectors at transfer points, water spray, covered storage and silo etc as per the guidelines of CPCB and is being regularly monitored. The ambient air monitoring data is being submitted to APPCB, CPCB and MOEF regularly. We are committed for doing digital processing of the entire lease area using remote sensing technique. Consultation with State Mining Department is being done Report will be submitted to Ministry of Environment and Forests and its Regional Office at Bangalore. Regular water sprinkling is being carried out at all pollution 						
iv v	issued by the CPCB shall be followed and data submitted to the Ministry's Regional Office at Bangalore, CPCB and APPCB. Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bangalore. Regular water sprinkling shall be carried out in critical							
	areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	prone areas prescribed by data from Ap	s, confor y the CPC ril 2015 to	ming the B/APPCE Septemb	e air q 3. Averaç ber 2015	juality noi ge AAQ mo is given Be	ms as mitoring low:	

		AMBIENT AIR QUALITY MONITORING REPORT DCW PLANT & MINES						
		LOCATION -1 NEAR MINE PIT-1, (CROSS WIND)						
			PM-2.5 μg/m	PM-10 μg/m	SO ₂ µg/m°	NO ₂ μg/m [°]		
		MAX.	29.76	64.24	8.08	14.79		
		MIN.	16.37	45	4.04	8.56		
		AVG.	24.14	53.69	5.94	11.68		
		STD DEV.	2.99	4.75	1.03	1.43		
		COFF. OF VARIATION	0.12	0.09	0.17	0.12		
		98 PERCENTILE	29.06	62.88	7.85	14.04		
		LOCATION -2 NEAR NAGU	LERU RIVER PUMP HO	USE, (CROSS WIND)	0.70	15.10		
		MAX.	26.21	61.35	8./3	15.16		
		IVIIN.	14./0	40.38	5.84 E 01	8.27		
		AVG.	21.67	50.06	0.91	11.15		
		COEL OF MADIATION	2.09	0.10	0.05	0.15		
		OF VARIATION	25.80	50.22	7.03	15.02		
		IOCATION -3 NEAR COP (T	23.05 OWARDS GAMALAPAT		(UN)	15.05		
		MAX	32.8	66.6	8.08	16.63		
		MIN	18.74	46.8	4.65	8.26		
		AVG	26.81	56.75	6.20	12.20		
		STD DEV.	2.73	4.82	0.86	1.66		
		COFF. OF VARIATION	0.10	0.08	0.14	0.14		
		98 PERCENTILE	31.25	65.44	8.06	15.60		
		LOCATION -4 COLONY ARE	A (TOWARDS SRI NAG	AR VILLAGE),(DOWN	WIND)			
		MAX.	24.45	60.23	7.41	15.54		
		MIN.	13.63	38.16	3.40	6.69		
		AVG.	19.57	46.54	5.45	10.62		
		STD DEV.	2.53	4.21	0.80	1.58		
		COFF. OF VARIATION	0.13	0.09	0.15	0.15		
		98 PERCENTILE	23.51	56.57	7.01	13.65		
vi	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	 Being complied by taking suitable measures for maintenance of Mine's vehicles. The vehicles are not overloaded and are covered with tarpaulin. 						
vii	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions.	Asphalting / concreting of roads all around the plants are carried out as a continuous process. Water spray is regularly done on the roads through water tankers.						
viii	Total ground water requirement for cement plant and mining shall not exceed 420 and 60 m ³ /day (including 56 m ³ /day mine water) respectively. All the treated wastewater shall be recycled and reused in the process and/or for ash quenching, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.	 d Water consumption is maintained as per the APPCB limits. No process waste water is discharged outside the factory premises and 'zero' discharge is maintained. A premission for the drawl of ground water obtained from Andhra Pradesh Ground Water Department Vide Letter no.Lr.No.2 /ACL/HO/2007- Dated 01.09.2007. Water collected in artificial reservoir in the Mine's pit is being used to minimize ground water consumption. Sewage Treatment Plant of capacity 300 KLD has been working for the treatment of sewage water of colony and plant. Quality of treated water is within the norms. Treated water is being used in gardening and dust suppression. Sludge of STP is being used as manure. Bio-degradable and non bio-degradable waste is being treated as directed. 						
ix	'Permission' for the drawl of ground water from SGWB / CGWA shall be obtained. Mined out area shall be developed as artificial reservoir. The water stored in the artificial reservoir made in the mine pit shall be used maximum to reduce ground water consumption.							
x	Sewage treatment plant (STP) shall be installed for the colony. Treated domestic effluent shall be used for green belt development within the plant premises. Domestic waste from colony and STP shall be segregated into bio-degradable and non-biodegradable. Bio-degradable waste shall be composted and non-biodegradable waste shall be land filled at identified sites. ETP should also be provided for workshop and mineral separation plant wastewater.							
xi	The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations.	It is ensured that no natural course of water get obstructed due to any mining operation.						
xii	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used	Systems have been designed and installed for recycling and re-use of the dust collected through pollution control devices. Similarly sludge from domestic sources is being						

	for cement manufacturing. Sludge from domestic sources shall be used as manure for green belt development. Waste oil shall be sold to authorized recyclers / preprocessors only.	used for green belt development. Waste oil being sold to authorized recyclers / pre-processors.
xiii	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	System shall be made to use high calorific hazardous waste in cement kiln.
xiv	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	We are mixing low and high grade Limestone to conserve the natural resources. Fly ash is being used for manufacturing PPC.
XV	Action plan for the mining, management of over burden (removal, storage, disposal etc.), reclamation of the mined out area and mine closure shall be submitted to the Ministry and its Regional Office at Bangalore.	Not applicable, as there is no overburden present in our mine, as limestone is exposed on the surface.
xvi	The top soil and solid waste shall be stacked separately at specified dumping site with proper safeguards. Top soil shall be used for the plantation / green belt development during reclamation and solid waste for backfilling.	Not applicable, as there is no top soil and solid waste in our mine.
xvii	The over burden (OB), inter burden and other waste generated from mines, if any, shall be stacked at the earmarked dump sites only and should not be kept active for long period. Backfilled OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of reclaimed areas shall continue until the vegetation becomes self-sustaining. Regular compliance shall be submitted to the Ministry and its Regional Office at Bangalore on six monthly basis.	There is no overburden, inter burden and other waste generated in our mine.100% limestone being used for cement manufacturing.
xviii	The area for external over burden dump shall be reduced by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28°.	Not applicable, as there is no over burden in our mine.
xix	Garland drains shall be constructed to arrest silt and sediment flows from soil. The water so collected shall be used for watering the mine area, haul roads, green belt development etc. The drains shall be regularly de-silted and maintained properly.	Shall be complied. Rain water is being collected into Mine's pit and used for watering the mine area, haul roads, green belt development etc
XX	Suitable rainwater harvesting and conservation measures to augment groundwater resources in the area on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board in cement plant and mining area to augment ground water resources and use for dust suppression and horticulture.	Being complied. Rain water is being collected into Mine's pit for further use in the plant.
xxi	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and new peizometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board during the mining operation. The ground water monitoring shall be carried out 4 times in a year i.e. pre-monsoon (April-May), monsoon (August), post- monsoon (November) and winter (January) and data thus collected shall be regularly sent to the Ministry, its Regional Office at Bangalore, Central Ground Water Authority and State Ground Water Board, Bangalore.	Ground water level monitoring has been regularly carried out 4 times in a year and water quality analyzed. Abstract of the same is given in below. Peizometer is also being installed.

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					01100	DREMAN	SOON	SEASO	IN IN	-			
						PREMAN	SOON	SEASU			1	0.05.2015	
			1.0	ention		Direction		stance	1 .	lare	Der	ath of	
		3.14	10	cation		Director		from	Wel	I/Open	Wate	ar from	
					-			Plant	1	wen	(M	eter)	
		1.	Pla	ant site		5	-		Bo	re Well	1	2.5	
		2.	(N Sri	lear Security man G inagar Village	iate)	sw	1	.5 Km	Bo	re Well	1	.9.5	
		3.	Ra	amapuram Village		NW	6	5.0 KM	Bo	re Well	2	3.0	
		4.	G	amalapadu Village		58		.0 KM	во	re wen		5.5	1
						MANSO	DON S	EASON					
		1					1.00		Inne		1 00	2.08.2015	1
		5.0		ocation		Direction	fre	m	Well/	Open	Wat	er from	
							PI;	int	well		(N	ld Level leter)	
		1.	PI	lant site	CARLS -	s	-	-	Bo	re Well		12.0	-
		2.	(N Sr	Vear Security man (rinagar Village	Sate)	sw	-	1.5 Km	Bo	re Well		19.0	
		3.	R	amapuram Village	_	NW	-	5.0 KM	Op	en Well		22.5	
		4.	G	amalapadu Village		se		5.0 KM	Bo	re Well	-	6.0	
		L	-						-				с.: Г
		_										_	
				·	VATER TES	A Unit of	T OF DU	IRGA CEI	MENT WO	ORKS			
			Sa	mple received: 19.07.	2015								
			Sa	mple analyzed by: Em	vironment I	Lab JBCP							
		5.N	Parat	meter Location	Sel magar	Gamalanadu	Colooy	0.0	Frishner	000			
					Village	Vilage	-		No increased		Orinkin	g Water	
				Type of Water		Bore			River	Drinking Water	Desirable Limit	Permissible	
		1	the state		7.8	7.5	8.1	7.8	7.6	7.35	6.5 to 8.5	6.5 to 8.5	
		2	Cond (µs)	luctivity	926	873	1013	1036	473	74.8	NA	NA	
		-	Turta	idiry(NTU)	1.4	1.6	1.7	14	15	0.68	5-10	5-10	
		-	(mg/l	nardness I) um Hardness (me/l)	477	548	413	372	182	85	300	600	
		6.	Magn	vesium	36	4/5	435	345	173	67	75	200	
		7.	Hardr TDS (ness (me/l) me/l)	876	951	782	973	0	-	200	100	
		8	T55 (/	ment	-				17		100	100	
		3.	Akalı	inity (mg/l)	157	168	151	167	68	39	200	600	
		30.	Chlori	Ides(mg/0	23	34	37	39	42	21	250	1000	
		11.	Fluori	ides (mg/l)	0.2	0.1	0.7	0.3	0.4	0.8	0.5	1.5	
		12.	Arsen	nic (m@/l)	0.002	0.003	0.001	0.002	0.001	e0.005	0.05	0.05	
		-	-								1.50085		
		_		-		_				-	-		
xxii	The project proponent shall take appropriate mitigative	Not a	ap	plicable,	as r	no wa	ste	wat	er g	gener	ated	in o	Jr
	measures to prevent pollutions of nearby River and	proce	SS	/plant & m	nines.	Zero	disc	harg	e is	adop	ted.		
	other surface water body, if any.	-		-				-		-			
xxiii	Deep hole wet drilling sequential blasting method shall	Wet	dr	illing and	seq	uentia	l bla	astin	g m	ethoc	ls are	e beir	ig
	be adopted and provision for the control air emissions	applie	ed.	The chai	rge p	er hol	e is	also	adji	usted	to m	iinimiz	e
	during blasting using dust collectors/ extractors etc.	groun	d١	vibration a	and to	o contr	ol fl	y roc	ks. V	Ne ai	e mo	nitorin	ıg
	shall be made. Blasting operation shall be carried out	Grour	nd	vibration	and	air bla	ast v	vith	the I	help	of 'Mi	nimat	e'
	during the daytime only and one bench at a time shall	instru	me	ent and k	eepir	ig reco	ords	of t	the s	ame.	The	resul	ts
	be blasted. The mitigative measures for control of	are w	ell	within th	e pe	rmissi	ble	limits	s spe	ecifie	d by	DGM	З.
	ground vibrations and to arrest fly rocks and boulders	The M	/lin	nimate rep	ort is	s giver	n be	low.	We	have	obta	ned n	10
	shall be implemented. 'No objection certificate' from the	objec	tio	n certifica	te fro	om Ch	nief o	conti	roller	of e	xplos	ives,	in
	Chief Controller of Explosives shall be obtained.	form	LE	E-3 for E	xplos	sive P	OSS	essio	on a	nd l	lse. I	_icens	e
		No.E/	ΉC	J/AP/22/9	3(E1	673).							
xxiv	Out of total 141.574 ha., green belt shall be developed	Ceme	ent	plant and	mine	es are	runr	ning	since	e 198	4 and	1	
	in at least 36 ha. (25 %) in and around the cement plant	alread	ју	have 48 h	a of	green	belt.	Tre	e pla	Intatio	on wo	rk in	
	as per the CPCB guidelines to mitigate the effects of air	additi	on	al area ind	cludir	ng Min	es is	s uno	der p	rogre	ss, as	3 per	
	emissions in consultation with local DFO. In mining, out	detail	s g	given belo	W:								
	of 170.22 ha., plantation shall be raised in an area of	1. Na	me	e of Tree p	plante	ed				: Du	ibai F	'lant	
	46.72 ha. By planting the native species around mining	2.Tota	al r	no. of Tree	e plar	nted							
	lease area, over burden dumps, around water body,	(April	-15	5 to Septe	mber	15)				: 25	0 No		
	roads etc. in consultation with the local DFO /	3. Are	a	planted du	uring								
	Agriculture Department. At least, 1,500 trees per year	April-	15	to Sept.2	015					: 0.2	25Ha		
	shall be planted with a tree density of 2,000 trees per	4. Tot	al	area plan	ted u	p to				-			
	na. An action plan shall be submitted in this regard.	Septe	ml	ber 2015						: 8.′	16 Ha	•	
XXV	The void left unfilled shall be converted into water body.	Shall	be	e complie	din	accor	dan	ce v	with	the r	nine	closu	е
1	I ne nigher benches of excavated void/mining pit shall	plan,	att	er comple	tion (ot mini	ng c	pera	ation				

	be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area	
xxvi	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional office within 3 months from the date of issue of this letter.	As per the study made, there is no endangered fauna around the Plant and Mines area. We are in touch with State Forest and Wild life department, vide our letter No. DCW/P&QC/2015/5744 Dated 20.05.2015 in this regard.
xxvii	A final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Agreed. Shall be complied.
xxviii	Mechanized open casting shall be adopted and no change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Agreed. Mechanized open cast mining is adopted and we will take prior approval of MOEF for any change in technology or scope.
xxix	Consent to Operate shall be obtained from APPCB before starting enhanced production from the mine.	Consent to Operate the mining operation for enhanced production has been obtained vide consent order no. APPCB/VJA/GTR/16829/HO/CFO 2014 Date 23.01.2014. Mines CFO validity is up to 30 June 2016.
XXX	'Permission' of the State Forest Department shall be obtained regarding impact of cement plant and mining activities on the surrounding 6 reserve forests viz. Gamalapadu RF (0.1-0.4 km.), Madinapadu RF (1.2-1.8 km.), Daida RF (4.7-4.9 km.), Saidulnam RF (3.8-5.0 km.). Ravipahad RF (5.3-6.6 km.) and Warivabad RF (6.2-6.8 km) and all the recommendations shall be followed.	There is no adverse impact of cement plant operation and mining activities on the surrounding 6 reserve forests. The plant and Mines have been running since 1984. State Forest Department have been requested vide our letter No.DCW/P&QC/2015,5573 Dated 23.04.2015 for NOC.
xxxi	The company shall obtain necessary clearances / approval from the concerned Departments i.e. Indian Bureau of Mines, State Government, MoEF etc. for the linked mining component before undertaking any construction activity at the project site.	Necessary permissions obtained from IBM. Vide letter No. AP /GNR/MP/LST-9/Hyd, Date 23 March 2015.
xxxii	Rehabilitation and Resettlement Plan for the project affected population as per the policy of the State Govt. shall be prepared and implemented.	This is an old plant working since 1984, hence no Rehabilitation and Resettlement involved in this Project.
xxiii	Acoustic enclosures shall be provided to control noise wherever necessary. Mine machine shall be provided with silencers. Noise shall also be controlled from cooler fans, compressor house, cement mill and raw mill, cement plant and drilling machines, excavator, blasting at mine site using appropriate noise control measures.	All Mining machineries provided with silencers. Sharp bits are being used with wet drilling to reduce noise of drilling machine. Drill operators are provided ear plug. Bottom initiation with the help of shock tubes and use of millisecond delay to reduce noise by blasting. Acoustic enclosures in the plant area are used where ever applicable.
xxxiv	All the safety norms stipulated by the Director General, Mine & Safety (DGMS) should be implemented.	We are implementing all the safety norms stipulated by DGMS
B General	Conditions :	
i	The project authority shall adhere to the stipulations made by Andhra Pradesh Pollution Control Board (APPCB) and State Government.	Noted and Agreed.
ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted and Agreed.
iii	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the A.P. Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed APPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the	Being complied. Stack emissions are within the norms and inter locking facility also provided.

	event of the pollution control equipment not working, the	STACK MONITORING REPORT mg/Nm ³						
	respective unit(s) is shut down automatically.		RABH	COOLER ESP	COAL MILL	CEMENT MILL-1	CEMENT MILL-2	
		MAX.	20.45	15.27	22.60	20.37	25.43	-
		MIN.	10.16	5.13	12.64	10.45	15.16	1
		AVG.	14.96	7.84	17.15	14.48	19.60	1
		STD DEV.	2.91	2.47	2.34	2.75	3.42	1
		COFF. OF VARIATION	0.19	0.32	0.14	0.19	0.17	1
		98 PERCENTILE	20.04	14.52	22.14	20.09	24.98	1
								-
iv	One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the APPCB quarterly and to the Ministry's Regional Office at Bangalore half-yearly.	Three (3) nos on line real time CAAQM stations have b installed in upwind, downwind and crosswind directions CAAQM Station is at Mines area, Online real t monitoring data is transmitted to APPCB & CPCB serve display board at factory gate continuously. Four (4) AAQM stations installed at different locations & reg ambient air quality monitoring done. Ambient air, St emission & noise level monitoring data is regul submitted to APPCB, CPCB & MoEF. Monitoring data within the stipulated norms of MoEF, CPCB & APP (Ref. No.ACL/DCW/ MoEF/2015-16/22 date 01.06.2015						
V	The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	All the water from the roof tops, storm water drains lear main drains connecting to the mines water reservoir. Water thus collected is used for sprinkling and green development.						
vi	measures including community welfare measures in the project area.	 bew has measures in 1. Green Belt plant bound 2. Water Co a. Construct Discharge. purposes su b. Installa of convention c. Rain wai 3. Solid W a. Practicil b. All the degrad dispose area is horticul c. All the duthorized d. Maximu manufa 4. SOIL CO Entire of land p residem construction soil A Fuelforted fueled Building of excas 5. SOCIO-E 1. Indirect et 2. Direct etm 3. Growth of (Domestic&l 4. Fulfilling O 5. Preference 6. Rise in livit 	tion of S reated ary and b onservati tion of S reated ich as Plation of S reated ich as Plation of S reated as te Mar ng princip aste Mar aste Mar ng princip aste Mar ng princip aste Mar ng princip aste Mar ng princip aste Mar ng princip aste Mar aste Mar ng princip aste Mar aste Ma	in the second se	Verification of the second sec	Mines ar roads are Zero Wa utilized f pression e er for CP vers e Pits. duce & R on the n accor from towns nanure is sposed th of Fly onstructed in no cas y terrain P& M, matter, w rs onsumabl	rea, color aste Wat for speci- basis of dingly ship & pla s used 1 nrough th on infert forest. F se top fert had be Offices with the he	in it, it is in the set of the se
vii	The overall noise levels in and around the plant area	Noise cor	trol me	asures	includin		tic hoor	de

NOISE LEVEL REPORT OF DCW PLANT APRIL 2015 TO SEPTEMBER 2015 L. Near time office Day Time dBA (6AM-10PM) Night Time dBA (10PM-6AM) Day Time dBA (6AM-10PM) Night Time dBA (6AM-10PM) Day Time dBA (10PM-6AM) Night Time dBA (6AM-10PM) Day Time dBA (10PM-6AM) Night Time dBA (6AM-10PM) Day Time (10PM-6AM) Night Time dBA (6AM-10PM) Day Time (10PM-6AM) Night Time dBA (10PM-6AM) Day Time (11 T 1 .20 (0.02 Night Time dBA (11 T 1 .20 (0.02 Day Time (11 T 1 .20 (0.02 Night Time dBA (10PM-6AM) Day Time (11 T 1 .20 (0.02 Night Time dBA (12 T 1 .20 (0.02 Day Time (11 T 1 .20 (0.02 Night Time dBA (12 T 1 .25 (0 .26 (0 T 2 .25 (1 .12 (1 .25 (1 .63 (1 .09 (0 .02 (0 .01 (0 .02 (0 .02 (0 .01 (0 .02	hall be kept well within the standards (85 dBA) by providing noise control measures including acoustic noods, silencers, enclosures etc. on all sources of noise	ures hav Noise lev	re been pr rel monitori	ovided. Ap ng data giv	oril 2015 t en below :					
APRIL 2015 TO SEPTEMBER 2015 I.Colony area 2. Near time office Day Time dBA (6AM-10PM) Night Time dBA (10PM-6AM) Day Time dBA (6AM-10PM) Night Time dBA (6AM-10PM) Day Time dBA (6AM-10PM) Night Time dBA (6AM-10PM) Max. 44.7 44.2 52.4 48.2 Min. 42.5 41.9 43.50 42.1 Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff.of Variation 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 Max. 72.80 70.60 72.26 71.12 <td< td=""><td>peneration. The ambient noise levels shall conform to NOISE L</td><td colspan="9">NOISE LEVEL REPORT OF DCW PLANT</td></td<>	peneration. The ambient noise levels shall conform to NOISE L	NOISE LEVEL REPORT OF DCW PLANT								
I.Colony area 2. Near time office Day Time dBA (6AM-10PM) Night Time dBA (10PM-6AM) Day Time dBA (6AM-10PM) Night Time dBA (10PM-6AM) Max. 44.7 44.2 52.4 48.2 Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff. of Variation 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 9.2 98 percentile 72.71 70.56 71.84 69.88 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 per	n) Act, 1986 Ruies, 1989 viz. 75 dBA (day APRII	APRIL 2015 TO SEPTEMBER 2015								
Day Time dBA (cAM-10PM) Night Time dBA (10PM-6AM) Day Time dBA (cAM-10PM) Night Time dBA (cAM-10PM) Max. 44.7 44.2 52.4 48.2 Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff. of Variation 0.01 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60	ne).	1.Colo	ony area	2. Near tin	ne office					
Max. 44.7 44.2 52.4 48.2 Min. 42.5 41.9 43.50 42.1 Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff.of Variation 0.01 0.07 0.03 By percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 Max. 73.9 72.4 68.7 65.8 Min. <td< td=""><td>(1</td><td>Day Time dBA 6AM-10PM)</td><td>Night Time dBA (10PM-6AM)</td><td>Day Time dBA (6AM-10PM)</td><td>Night Time dBA (10PM-6AM)</td></td<>	(1	Day Time dBA 6AM-10PM)	Night Time dBA (10PM-6AM)	Day Time dBA (6AM-10PM)	Night Time dBA (10PM-6AM)					
Min. 42.5 41.9 43.50 42.1 Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff. of Variation 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.50 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation	Max.	44.7	44.2	52.4	48.2					
Avg. 43.85 42.87 46.52 43.72 Std.Dev 0.59 0.63 3.13 1.22 Coff.of Variation 0.01 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12	Min.	42.5	41.9	43.50	42.1					
Std.Dev 0.59 0.63 3.13 1.22 Coff.of Variation 0.01 0.01 0.07 0.03 98 percentile 44.66 44.02 52.36 46.70 Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.77 72.27 68.66 65.62	Avg.	43.85	42.87	46.52	43.72					
ort.or variation 0.01 0.01 0.07 0.03 88 percentile 44.66 44.02 52.36 46.70 3.Crusher area 4.Raw mill area Aax. 72.8 70.6 72.10 70.10 vig. 70.37 68.75 69.78 68.27 td.Dev. 1.57 1.22 1.11 1.20 off.of Variation 0.02 0.02 0.02 0.02 8 percentile 72.71 70.56 71.84 69.88 5. Kiln & Cooler area 6.Coal mill area Aax. 72.80 70.60 72.60 71.60 Ain. 68.3 67.3 67.3 65.8 wg. 70.96 69.15 69.45 68.38 td.Dev. 1.34 0.97 1.55 1.33 off.of Variation 0.02 0.01 0.02 0.02 Aax. 73.9 72.4 68.7 65.8 Alm. 69.7 67.3 63.1 <td>td.Dev</td> <td>0.59</td> <td>0.63</td> <td>3.13</td> <td>1.22</td>	td.Dev	0.59	0.63	3.13	1.22					
So percentitie 44.00 52.30 46.70 3. Crusher area 4. Raw mill area Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 Std.Dev. 1.57 1.22 1.11 1.20 Max. 72.80 70.66 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1	Cott.of Variation	0.01	0.01	0.07	0.03					
Actioner area 4.r.aw mini area Max. 72.8 70.6 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Ocoff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02	98 percentile	44.00 2 Cruch	44.02	52.30	40.70					
Min. 72.8 70.5 72.10 70.10 Min. 67.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.76 64.00 Std.Dev.	1 Anu	72.0	70.0	70.40	70.40					
Imm. 07.9 65.7 67.30 65.70 Avg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Vax. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.o	IVIAX.	/2.8	/U.6	/2.10	/0.10					
Pvg. 70.37 68.75 69.78 68.27 Std.Dev. 1.57 1.22 1.11 1.20 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02	iviin.	b/.9	65./	67.30	65.70					
Std. Dev. 1.37 1.22 1.11 1.20 Coff. of Variation 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 <	Avg.	1.57	1.22	09.78	1.20					
Control variation 0.02 0.02 0.02 0.02 0.02 98 percentile 72.71 70.56 71.84 69.88 S. Kiln & Cooler area 6.Coal mill area Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 65.8 68.38 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 9.02 98 percentile 73.77 72.27 68.66 65.62 <td cols<="" td=""><td>Coff of Vorietion</td><td>1.5/</td><td>1.22</td><td>1.11</td><td>1.20</td></td>	<td>Coff of Vorietion</td> <td>1.5/</td> <td>1.22</td> <td>1.11</td> <td>1.20</td>	Coff of Vorietion	1.5/	1.22	1.11	1.20				
Description 72.71 70.50 71.84 69.88 5. Kiln & Cooler area 6.Coal mill area Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 7.Cement mill area 8.Packing plant area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 9.02 98 percentile 73.77 72.27 68.66 65.62 Nolist EVEL REPORT OF DCW MINES <		0.02	70.56	U.UZ	60.00					
S. KIII & COOIET area 6.Coal mill area Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff. of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 7.Cement mill area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff. of Variation 0.02 0.02 0.02 9.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 1.Haulage road 2.Drilling point Max. 68.60	36 percentile	/2./1	70.50	/1.84	09.88					
Max. 72.80 70.60 72.60 71.60 Min. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 7.Cerment mill area 8.Packing plant area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 Max. 68.60 44.60 73.90 43.80 Min. 52.30		5. KIII & CO	ooler area	6.Coal m	iii area					
IMIR. 68.3 67.3 67.3 65.8 Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Vax. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 Molise LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 MBA dBA <	Max.	72.80	70.60	72.60	71.60					
Avg. 70.96 69.15 69.45 68.38 Std.Dev. 1.34 0.97 1.55 1.33 Coff.of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 7.Cement mill area 8.Packing plant area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 1.Haulage road 2.Drilling point Max. 68.60 44.60 73.90 43.80 Min. 52.30 41.60 70.30 40.90 Avg. 62.81	Min.	68.3	67.3	67.3	65.8					
Std. Dev. 1.34 0.97 1.55 1.33 Coff. of Variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 ILIHaulage road 2.Drilling point Max. 68.60 44.60 73.90 43.80 Min. 52.30 41.60 70.30 40.90 Avg. 62.81 43.28 72.37 42.63 Std.Dev 1.20 1.04 1.03 1.04 Ge	Avg.	/0.96	69.15	69.45	68.38					
Control variation 0.02 0.01 0.02 0.02 98 percentile 72.67 70.60 72.25 71.12 Value 7.Cement mill area 8.Packing plant area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 I.Haulage road 2.Drilling point Max. 68.60 44.60 73.90 43.80 Min. 52.30 41.60 70.30 40.90 Avg. 62.81 43.28 72.37 42.63 Std.Dev 1.20 1.04 1.03 1.04 Geff.of Variation <td>Sta.Dev.</td> <td>1.34</td> <td>0.97</td> <td>1.55</td> <td>1.33</td>	Sta.Dev.	1.34	0.97	1.55	1.33					
Propresentine 72.07 70.60 72.25 71.12 7.Cement mill area 8.Packing plant area Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 9.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 I.Haulage road 2.Drilling point Max. 68.60 44.60 73.90 43.80 Min. 52.30 41.60 70.30 40.90 Avg. 62.81 43.28 72.37 42.63 Std.Dev 1.20 1.04 1.03 1.04 Gentile 68.54 44.54 73.84 43.74 Gentinic 6	Corr.or variation	0.02	0.01	0.02	0.02					
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Max. 73.9 72.4 68.7 65.8 Min. 69.7 67.3 63.1 62.3 Avg. 71.95 70.24 65.78 64.00 Std.Dev. 1.20 1.25 1.63 1.09 Coff.of Variation 0.02 0.02 0.02 0.02 98 percentile 73.77 72.27 68.66 65.62 NOISE LEVEL REPORT OF DCW MINES APRIL 2015 TO MARCH 2015 I.Haulage road 2.Drilling point Max. 68.60 44.60 73.90 43.80 Min. 52.30 41.60 70.30 40.90 Avg. 62.81 43.28 72.37 42.63 Std.Dev 1.20 1.04 1.03 1.04 Gef.of Variation 0.02 0.01 0.02 98 percentile 68.54 44.54 73.84 43.74 Gef.of Variation 0.02 0.01 0.02 98 percentile <td< td=""><td></td><td>7.cement</td><td>mili area</td><td>8.Packing p</td><td>lant area</td></td<>		7.cement	mili area	8.Packing p	lant area					
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Subject 1.00 1.07 1.00 1.05 Coff.of Variation 0.02 0.03 0.02 0.02	Max. Min.	63.60 69.70	39.70	43.30	40.30					
UII.UI VallatiUII U.UZ U.U3 U.UZ U.U2	Max. Min. Avg.	63.60 68.79	39.70 42.34	43.30 46.96	40.30					
	Max. Min. Avg. Std.Dev.	63.60 68.79 1.08	39.70 42.34 1.07	43.30 46.96 1.08	40.30 42.33 1.05					

viii.	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for	All applicable recommendations made in the CREP for cement plants are being implemented.
	cement plants shall be implemented.	
ix.	Proper housekeeping shall be taken up. Regular annual medical examination of all the employees shall be carried out from the occupational health point of view and records maintained.	Being complied. Occupational health check up is carried out for all the employees and record is being maintained.
Х.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Environment Management Cell to carry out various environment related activities has been set up under the control of plant head.
xi.	As proposed in EIA/EMP. Rs. 28.00 Crores and Rs. 0.95 Crores earmarked towards the capital cost and recurring cost/annum respectively for environment pollution control measures for the cement plant and Rs. 35.00 Lakhs and Rs. 23.2 Lakhs earmarked towards the capital cost and recurring cost/annum respectively for environment pollution control measures for the mine shall be suitably used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	As on date, about Rs. 52.42 crores already invested on the air pollution equipments which were installed for expansion (ie RABH, ESP, Bag House and nuisance bag filters). Funds provided for the maintenance of the above equipment shall not be diverted for any other purpose.
xii.	The Regional Office of this Ministry at Bangalore / CPCB / APPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical Interpretation shall be submitted to them regularly.	Agreed. Six monthly compliance reports are regularly being submitted. (Ref our letter No.ACL/ DCW/ MoEF/ 2015-16/22 date 01.06.2015)
xiii.	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Already Complied.
xiv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the A. P. Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	Already Complied.