



JSW Cement Ltd

P.O. Vidyannagar, Village Toranagallu,
Dist. Bellary - 583275 Karnataka, India
Phone : 08395-241001
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Website : www.jsw.in

CIN - U26957MH2006PLC160839

Date :31.05.2018

JSWCL/ENV/MOEF/2018-19

The
Additional Principal Chief Conservation of Forests (c)
Ministry of Environment, Forest and Climate Change, Regional Office (SZ)
Kendriya Sadan, 4th Floor, E&F Wings,
17th main Road, Koramangala
II Block, Bengalore-560034

Subject: Submission of EC Compliance report of JSW Cement Limited, Vijaynagar

Ref: Environment Clearance F.No. IA-J-11011/540/2017-IA-II(I), Dated 1st February 2018 of JSW Cement Limited Vijaynagar.

Dear Sir,

With reference to above subject, please find enclosed herewith 1st EC Compliance report of JSW Cement Limited, Vijaynagar, Village Toranagallu, P.O Vidyannagar District-Bellary. Karnataka for the period of 1st February 2018 to 31st March 2018 for your information and record please.

Thanking You

Yours Faithfully

JSW Cement Limited, Vijaynagar


Rajkumar Dhemp
Plant Head

Encl:a/a

Copy to:

Member Secretary, Karnataka State Pollution Control Board
Parisara Bhavan " #49, 4th & 5th Floor,
Church Street, Bangalore-560001

Environmental Officer,
Karnataka State Pollution Control Board
Survey No.597, P.Ward No.25, 4th Main,
Near Dr.Vishnuvardhana Park,
Kuvempunagara, Bellary-583104

Sh. S. Suresh (Scientist 'E')
Central Pollution Control Board
1st & 2nd Floors, Nisarga Bhavan, A-Block,
Thimmaiah Main Road, Basaveshwara Nagar,
Bangalore - 560079, 7th D Cross,
Shivanagar, Opp.pushpanjali Theatre (Map)



Part of O.P. Jindal Group

Regd. Office: JSW Center,
Bandra Kurla Complex,
Bandra (East), Mumbai 400051
Phone: 022-42461000
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**ENVIRONMENT CLEARANCE COMPLIANCE REPORT FOR THE
PERIOD OF 1ST FEBRUARY TO 31ST MARCH 2018**

EC letter no. J-11011/540/2017-IA II (I) dated 1st February, 2018.



**JSW CEMENT LIMITED
P.O Vidyanagar, Toranagallu
Dist.Bellary-583275**

JSW CEMENT LIMITED, VIJAYNAGAR

Village – Torangallu, P.O Vidyanagar

District- Bellary Karnataka-583275

Environment Clearance (EC) compliance report for the period of 1st February,2018 to 31st March 2018 for the conditions stipulated in Environment Clearance granted by MoEF&CC Vide letter no. J-11011/540/2017-IA II (I) dated 1st February,2018.

S.N	EC Conditions	Compliance Status
A	Specific Condition	
i	The Project proponent should install 24X7 air and water monitoring device to monitor air emission and effluent discharge, as provided by CPCB and submit report to Ministry and its Regional Office.	We have installed On line continuous stack emission monitoring system at VRM bag house stack, RP mill 1&2, RP 3&4 bag house stack and monitoring data is regularly transmitted to CPCB server. No effluents generated from our cement manufacturing process. Stack emission & AAQM monitoring report is being regularly submitted to KSPCB regional office Bellary on monthly basis. Six monthly stack emission, AAQM & Noise level report attached as Annexure-1 . Environment monitoring reports are also being submitted to CPCB Bengaluru and MoEF&CC every six month as part of EC Compliance report.
ii	All the conditions stipulated by the standing committee of the National Board for wildlife should be effectively implemented.	The EC has been transferred from JSW Steel Limited, the parent company to JSW Cement Limited. Implementation of Wildlife Conservation plan is being undertaken by JSW Steel limited and regular compliance status is being submitted to MoEF&CC by JSW Steel.
iii	The PP shall participate in a Wildlife Conservation Plan for Sloth Bears and other Schedule-I fauna found in the study area and in the Daroji Bear Sanctuary. The Conservation Plan shall be prepared in consultation with the State Wildlife Department. The Plan with various activities including creation of water bodies, elimination of weeds, eco-regeneration plan including regeneration of fruit bearing trees and improvement of ecological habitat and support to the nearby villages to minimize dependency on forest produce for fuel shall contain budgetary support with details of capital and revenue costs for various activities, the details of expenditure made on which shall be regularly submitted as part of the	The EC has been transferred from JSW Steel Limited, the parent company to JSW Cement Limited. Implementation of Wildlife Conservation plan is being undertaken by JSW Steel limited and regular compliance status is being submitted to MoEF&CC by JSW Steel.

	Compliance Report to Regional Office, Bangalore.	
iv	The PP shall obtain assured raw materials (particularly Blast Furnace slag, Clinker and coal) from designated sources for long term supply and shall enter into long-term MOUs with producers/ setters of raw materials used, Washed coal shall be used	We have already done MOU with suppliers for long term supply of raw materials such as blast furnace slag, coal.
v	All the units of the expansion project shall operate using state-of-art energy efficient technologies, environmental pollution prevention and control technologies and energy efficient measures including the 4Rs shall be implemented at every step of the plant operation	JSW Cement all the units of the expansion project is operating using state-of-art energy efficient technologies, environmental pollution prevention and control technologies and energy efficient measures including the 4Rs.
vi	On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz, Electrostatic precipitator (ESP) and bag filters etc. shall be provided to keep the emission levels of particulates below 50 mg/Nm ³ from stacks and also meet level of the 50 µg/ m ³ in work zone	JSW Cement Limited is in the premises of JSW Steel limited. 5 nos. On line continuous ambient air quality monitoring stations installed in JSW Steel complex for the monitoring of ambient air quality and regularly data is transmitted to CPCB. 5 Nos Bag house were provided in VRM & RP mills area to control the emission level below 30 mg/Nm ³ . 70 no bag filters were provided at all material transfer point to control fugitive dust emission. On line continuous stack emission monitoring system were installed at Vertical roller mill bag house stack ,RP-1&2 ,RP-3&4 Bag house stack and regularly data is transmitted to CPCB server.
vii	Air Pollution control measures shall include Pulse Jet Bag Filter & DSS in yards. Vents in storage tanks	5 Nos. Bag house installed at VRM mill & Roller press mill 1&2, & Roller press mill 3&4 to control of air pollution. 70 no. pulse jet bag filters were installed at all transfer points where material movement takes place and to control fugitive dust emission.
viii	In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc	De-dusting Bag filters provided in all transfer points to control of air pollution and all are in good working condition. Regularly water sprinkling at all dust areas to control fugitive dust emission.

ix	Gaseous emission levels including secondary fugitive emissions from all the Sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed	Not applicable. As the GSR 414(E) dated 30 th May 2008 is having permissible limits for Sponge Iron Plant.
x	The plant shall develop rail track for conveying slag from JSW Steel to JSW Cement.	Rail track developed for the transportation of slag from JSW Steel to JSW Cement plant.
xi	Detailed unit-wise Risk Analysis and Assessment and detailed on-site and off-site Emergency Preparedness and Disaster Management Plan (DMP) linked to District- level DMP shall be prepared in consultation with district authorities and mock drills carried out periodically	Unit wise risk analysis and its Assessment details, on-site and off-site plan already prepared and report submitted to Department of factories Bellary. Mock drills were regularly carried out once in Six months.
xii	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/ hazardous waste shall be submitted to the Ministry's Regional Office at Bangalore, SPCB and CPCB.	No Solid waste generated from our cement manufacturing. Slag is transported from stacker & reclaimer and covered belt conveyers up to mills. Hazardous waste returns regularly submitted to KSPCB Bellary.
xiii	BF Slag shall be used for cement making	BF slag is being used for the making of PSC cement & GGBS
xiv	Total water requirement for the facility shall be provided from JSW Steel Ltd, and shall not exceed 565 m3/day. The blow down from the system shall be used for greenbelt development. The effluent from domestic sources shall also be used for green belt development after treatment in septic tank and soaking pits. No effluent shall be discharged outside the factory premises. "Zero Liquid Discharge" shall be followed strictly as proposed	Water facility provided by JSW Steel Limited and water requirement shall not be exceed 565 m3/ Day. Blow down & domestic waste water being used for the greenbelt development after the treatment. Zero liquid discharge is being maintained.
xv	The proponent shall adopt water conservation measures to reduce requirement of make-up water. The wastewater generated from the indirect cooling circuit shall be routed through the cooling tower. The domestic wastewater shall be treated in a Sewage Treatments plant (STP) and used for dust suppression and green belt development	We have implement rooftop rain water harvesting in our plant for the conservation of rain water. We are in the process of construction of 60 KLD STP for the treatment of domestic waste water. Treated water will be used for dust suppression and greenbelt development.
xvi	Efforts shall further be made to use maximum water from the rain water	Reservoir pound already constructed in the premises of JSW Steel Limited

	harvesting sources to reduce intake of water from Almatti and Tungabhadra Dam. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources	for the collection of rain water. We are using the same water to meet our requirement of our industrial purpose as well as domestic and other purpose.
xvii	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluents generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, SPCB and CPC B	No effluents generated from our cement manufacturing process. We are in the process of construction of STP of 60 KLD for the treatment of domestic waste water. Treated water will meet standard of KSPCB & CPCB. Water analysis report shall be submitted to KSPCB and CPCB on regular basis.
xviii	Green belt shall be developed in 33% of plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO	We have done plantation all around in our plant area, both side of the roads and vacant places in our plant area. Tree plantation report and tree plantation photographs attached as Annexure-2
xix	The entire power requirement shall be met from the Captive Power Plant [Existing Gas based (100 MW + 130MW); 2x300 MW (coal based 50% Indian coal and 50% Imported Coal); proposed 660 MW (super critical) of 1490 MW of M/s JSW Steel Limited	The entire Power requirement met from our JSW Energy Limited.
xx	The environment wing of the company and for this Plant as well as of the company shall be strengthened with qualified personnel, state-of-art laboratory, infrastructure, etc and regular records of the environmental data including on-line monitoring-of emissions shall be maintained.	JSW Cement Limited, Vijayanagar has Environment Management Cell and are responsible for pollution monitoring activities. A well-equipped laboratory is in place for carrying emission / effluent /noise monitoring in the plant premises. The Environmental Management cell will also co-ordinate all the related activities such as checking of performance of pollution control equipment installed in plant, Sewage treatment plant, and green belt development.
xxi	Company shall develop an HSE Policy. All the permanent workers shall be covered under ESI Scheme. The company shall have the provision for treatment of its workers at the local sub-committee Nursing Homes & Hospitals in case of emergency. Annual Medical Check-up on some medical parameters like Blood test, Chest X-Ray, Eye test. Audiometry,	JSW Cement Limited having HSE Policy. All permanent works were covered under ESI scheme and mediclaim policy. JSW steel limited, vijaynagar is having multi super speciality hospital for the treatment of employees, worker & nearby villagers. Annual medical check-up records of the employees were maintained.

	Spirometry etc. shall be regularly conducted amongst the employees of the Company and records maintained thereof	
xxii	<p>A CSR Plan shall be prepared and implemented in consultation with the local villages and administration. Issues raised/covered during public hearing and incorporated in the EMP and CSR Plan. During construction phase of the expansion project, an expenditure of about minimum 5% of the capital expenditure shall be earmarked for CSR activity covering the broad areas of education, health, infrastructure, water and power spread over 5 years/period of construction of project. During operation phase of the project, the CSR activity will be funded based on 2% of the profit during operation phase of the project. 70% of the employment shall be made from the local population. The activities shall include skill development, education for the girl child, common infrastructure, alternate livelihood schemes and creation of SHGs, etc. The PP shall as part of the CSR Plan meet the drinking water requirements (pipeline) of neighboring villages from the State authorities. In addition, villages such as Dharmasagara and Bandri, which have a fluoride problem shall also be provided drinking water. All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 05.10.2010 shall be satisfactorily implemented and details of which shall be furnished as part of CSR. A separate budget for implementing the same shall be allocated made. The annual capital and recurring expenditure on CSR -village-wise and activity-wise shall be uploaded on the company website and also included in the Annual Report of the company to the Ministry's Regional Office at Bangalore.</p>	Enterprise Social Responsibility and CSR which have to be undertaken exclusively by JSW Steel, the parent company.
xxiii	<p>The Company shall submit within three months its policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to being into focus a infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of</p>	<p>We have submitted Corporate Environment Responsibility to MoEF &CC regional office Bengaluru vide our letter no. JSWCL/ENV/ MoEF /2017-18 on dated 05.03.2018.</p>

	reporting of noncompliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders	
xxiv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project	All necessary infrastructure / facility provided to construction labour during construction phase of the project and also removed temporary houses after completion of project.
	B. General Conditions	
i	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEFCC).	Noted and will be complied.
ii	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB/CPCB once in six months	Regular ambient air quality monitoring is being carried out by JSW Steel Environment Department. Data of the same regularly submitted to SPCB, CPCB & MoEF every once in six months. Six monthly AAQM and Stack emission report attached as Annexure-1
iii	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose	No industrial wastewater generated from our cement manufacturing process.
iv	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz, 75 dBA (daytime) and 70 dBA (nighttime).	Noise level within the standard norms. Enclosures are provided at plant equipment's; regular maintenance is being carried of plant machineries to reduces the noise level in plant. Regular ambient noise level monitoring around the plant and monitoring results were submitted to KSPCB on monthly basis. Six monthly noise level monitoring report attached as Annexure-3
v	Vehicular transportation of raw materials and finished products shall be kept to minimum. Dust suppression systems shall be in place at transfer points. All internal	All internal roads are paved where raw material and product movement takes place. (Photographs attached as Annexure-4 . Tree plantation also done

	roads shall be black topped. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation using native species shall be developed along the roads.	on both side of the roads. Regular housekeeping is done on the roads. 70 no. bag filters were provided at all transfer points where material movement takes place to control fugitive emission.
vi	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bangalore. The funds so provided shall not be diverted for any other purpose	JSW Cement Limited has invested Capital cost of INR 31.18 crores on pollution control measures up to March 2018. Capital cost & Recurring cost investment on Pollution control measures is attached as Annexure-5
vii	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent	EC receipt intimation was given to all the concern authorities. EC letter was uploaded on our company website. http://www.jswcement.in/wp-content/uploads/EC-Transfer-4.0-MTPA-Cement-Vijayanagar.pdf
viii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Bangalore. The respective Zonal Office of CPCB and the SPCB, The criteria pollutant levels namely; PM10 SO2,NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	EC compliance report is being regularly uploaded on company official website www.jswcement.in along with Environment monitoring report. The Environment monitoring data also regularly submitted to KSPCB, Regional office Bellary. Stack emission monitoring data also displayed at factory main gate.
ix	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by-mail) to the Regional, Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at	Six monthly compliance reports will be submitted to Regional Office MOEFCC, Zonal office CPCB and SPCB in both hard copies as well as by mail.

	Bangalore / CPCB / SPCB shall monitor the stipulated conditions	
x	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Bangalore by e-mail	Last Environment Statement Form –V for the year 2016-2017 submitted to KSPCB vide our letter no. JSWCL/VDNR/KSPCB/ENV on dated 27.09.2017. Environment statement will be uploaded on company website and as well as shared with Regional office MOEFCC at Bangalore by email.
xi	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 SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEFCC) at http://envfor.nic.in . This shall 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 should be forwarded to the Regional office at Bangalore.	We have advertised our Environmental Clearance in local new papers (Kanada Prabha, Deccan Herald) which are widely circulated in the region and copy of the same was submitted to regional office, MOEFCC. Newspaper advertisement is attached as per Annexure-6 .
xii	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.	Date of financial closure:31.03.2018 Date of final approval:07.05.2018 Date of commencement of land development work: Nov.2006
14	M/S JSW Cement limited shall abide by all the commitments and recommendations made in the EIA/EMP report and that during presentation to the EAC; commitments made during the Public hearing held on 30.12.2010 for Integrated Steel Plant	Noted and will be complied
15	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted and Agreed
16	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions	Noted and Agreed

17	The PP shall ensure no change in the pollution load; and no conflict in sharing in common facilities in day to day operations	Noted and Agreed
18	All the liabilities regarding environmental issues of slag grinding unit will be the responsibility of the new company i.e. M/s JSW Cement Limited.	Noted and Agreed
19	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules	Noted and Agreed
20	This Environmental Clearance is transfer of slag grinding and mixing unit (4.0 MTPA) which was part of Environmental Clearance vide J11011/489/2009-I.II(I) dated 1 st October, 2015 read with amendment in the EC vide letter of even no. dated 9 th June, 2016	Noted
21	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

For JSW Cement Limited, Vijaynagar


Rajkumar Dhempe
Plant Head

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JSW CEMENT LIMITED.							
Vidyanagara ,Sandur Taluk Bellary District. Karnataka							
Ambient air quality monitoring report from October 2017 to March 2018							
Vidyanagar Colony						KSPCB Standarad 24 Hours	
1		PM-10 µg/m³	PM-2.5 µg/m³	SO₂ µg/m³	NO_x µg/m³	SO ₂	80 µg/m ³
	Min.	52.0	22.00	5.60	14.83		
	Max.	86.0	43.86	15.0	21.0		
	Avg.	70.6	26.81	11.45	17.02		
Torangallu Village							
2		PM-10 µg/m³	PM-2.5 µg/m³	SO₂ µg/m³	NO_x µg/m³	NO _x	80 µg/m ³
	Min.	58.30	18.50	10.30	9.00		
	Max.	97.00	41.60	19.90	20.50		
	Avg.	86.35	26.68	14.53	15.35		
Sultanpur Village							
3		PM-10 µg/m³	PM-2.5 µg/m³	SO₂ µg/m³	NO_x µg/m³	PM-10	100 µg/m ³
	Min.	67.30	19.00	10.90	6.44	PM-2.5	60 µg/m ³
	Max.	97.00	33.20	20.61	21.00		
	Avg.	84.65	25.72	14.92	14.74		

JSW CEMENT LIMITED.

Vidyanagara ,Sandur Taluk
Bellary District. Karnataka

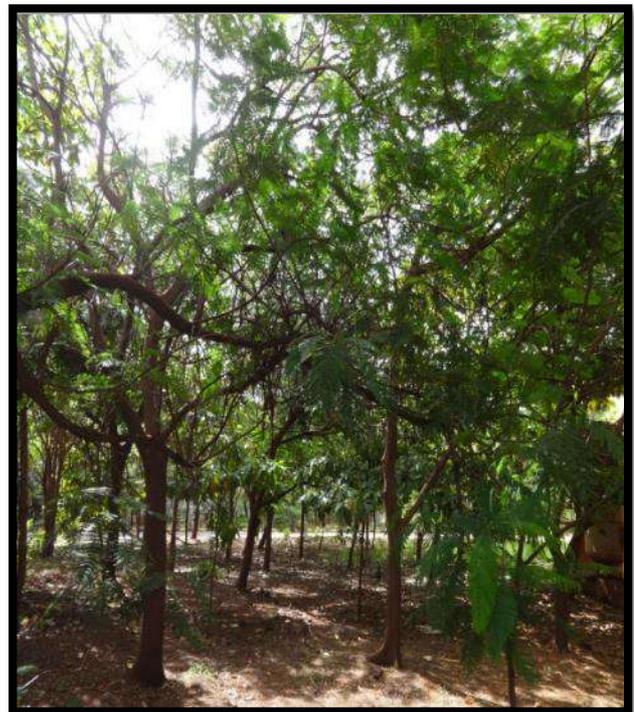
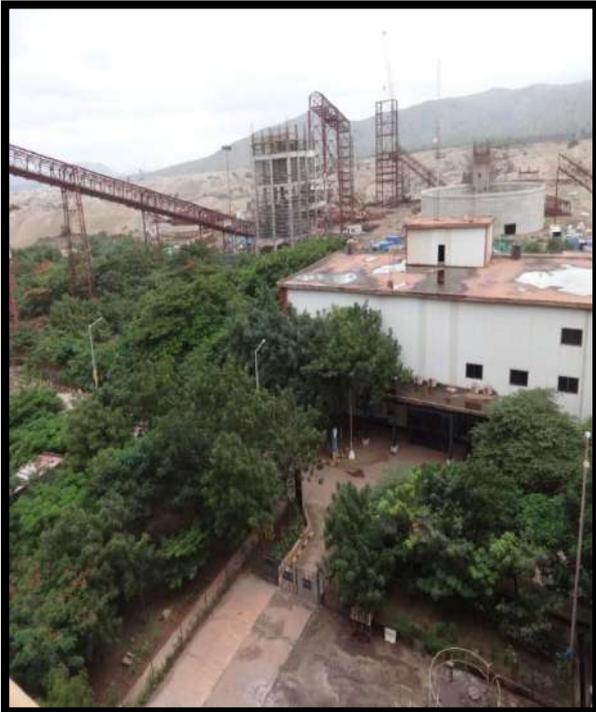
STACK EMISSION MONITORING REPORT FROM OCTOBER 2017 to MARCH 2018

	VRM Bag House Stack	RP-1&2 Bag House Stack	RP-3&4 Bag House Stack	KSPCB Norms
	PM mg/Nm ³	PM mg/Nm ³	PM mg/Nm ³	
Min.	17.4	15.5	12.9	30 mg/Nm³
Max.	26.2	27.2	28.4	
Avg.	22.9	24.3	24.2	

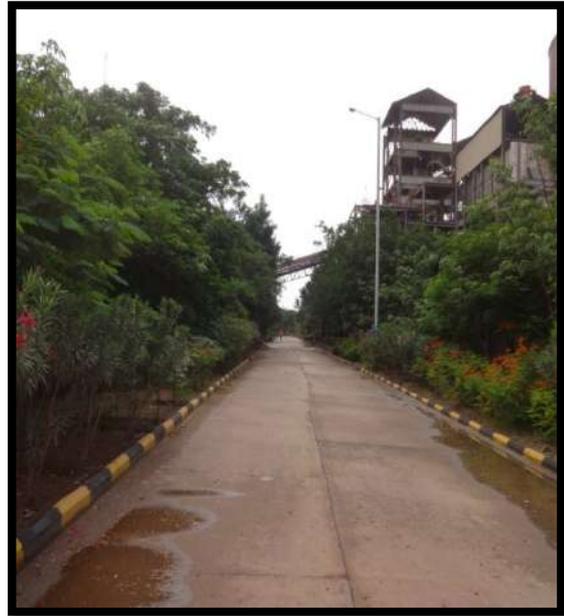
TREE PLANTATION REPORT

S.N	Particulars	Area
1	Total Plant area	150 Acers
2	Total Greenbelt area upto March 2018	32 Acers
3	Greenbelt development from October 2017 to March 2018	2.50 Acers
4	Name of Tree plantation from october 2017 to March 2018	Pheltophorum, ficus regenald, neem, areca plam
5	Name of shurbs plantation upto October 2017 to March 2018:	Tecomogoudichoudi ,Nerium pink oberoy, tabernamopntana single, Cizelpenia, Alstonia, Conocarpus
6	Total Number of trees plantation	450
7	Total no.of shurbs plantation	5000

Trees plantation in plant area



Concreted roads along with tree plantation both sides of the road



Noise Level Monitoring Report

JSW CEMENT LIMITED. VIJAYNAGAR					
Vidyanagara ,Sandur Taluk					
Bellary District. Karnataka					
NOISE LEVEL MONITORING REPORT FROM OCTOBER 2017 TO MARCH 2018					
S.N	Location	Day Time dB(A)	Night Time dB(A)	KSPCB Norms	
				Day Time dB(A)	Night Time dB(A)
1	VRM mill Area	68.4	63.2	75	70
2	RP-1&2 Mill area	67.3	63.6		
3	RP-3&4 Mill area	68.5	65.1		
4	Old packing plant area	65.4	62.2		
5	New packing plant area	63.9	61.6		
6	CCR building	65.3	60.5		
7	CSP Area	62.2	58.8		
8	Main gate	60.5	57.6		
9	Near JSSL	59.6	55.5		
10	Store Area	62.3	59.9		

All internal roads are paved along with both side tree plantation



Annexure-5

Investment on Pollution Control Measures

JSW CEMENT LIMITED, VIJAYNAGAR						
VIDYANAGAR,TORANGALLU.DIST-BELLARY,KARNATAKA						
CAPITAL COST INVESTMENT ON POLLUTION CONTROL MEASURES UP TO 31st March 2018.						
S.N	Descriptions	QTY	UNIT RATE	Total Rs.	Rs. In Crores	
1(a)	Air Pollution control measures in RP mill area					
(a)	Bag House RP mill area	4	19679100	78716400	11.27	
(b)	Bag Filter (KHD)	2	7690400	15380800		
(C)	Bag Filter (Rieco)	1	5200000	5200000		
(d)	Beumer	1	500000	500000		
(e)	Silo extraction & packing plant	1	12012000	12012000		
(f)	On line dust monitor	2	451350	902700		
1(b)	Air Pollution control measures in VRM area					
a	VRM Bag house cost	1	38616440	38616440	4.5	
b	Packing plant bag filters CEMPPBF024	4	1160078	1160078		
c	Reject building bag filter	2	920114	920114		
d	Feed group Bag filter	5	2735902	2735902		
e	Bag filter transfer point	2	547070	547070		
f	On line stack monitoring system	1	1001596	1001596.05		
2	Expenditure on belt covering, material storage sheds (Fugitive emission control measures)					
a	CSP Sheds	265 tones	66000	17490000	9.47	
b	Gypsum Sheds	550 tones	66000	36300000		
c	Belt Conveyor shed	620 tones	66000	40920000		
3	STP (Sewage Treatment Plant)	1	2800000	2800000	0.28	
4	Rain water harvesting	1	500000	500000	0.05	
5	Paving /concreting of internal roads (Fugitive emission control measures)		4100000	41000000	4.10	
6	Environment monitoring equipment's	7	552000	552000	0.06	
7	Green belt development		4500000	450000	0.45	
	Total Capital cost investment on Pollution control measures up to 31st March 2018					30.18

JSW CEMENT LIMITED, VIJAYNAGAR

VIDYANAGAR, TORANGALLU, DIST-BELLARY, KARNATAKA

RECCURING COST INVESTMENT ON POLLUTION CONTROL MEASURES FROM OCTOBER 2017 TO MARCH 2018

S.N	Descriptions	QTY	Total Rs.	Rs. In lakhs
1	Pollution control equipment maintenance cost			
(a)	Bag filter maintenance cost of transfer point RP mill area	6 No.	93200	0.93
(b)	Bag filter maintenance cost of VRM area	6 No.	2116317	21.16
(c)	Bag filter maintenance cost of RP mill area	18 No.	293000	2.92
2	Power consumption on Pollution control equipment's (Bag filter & Bag house 76 No)	Total 5725 KW	113361000	1133.61
3	Environment monitoring & Measurement (Including manpower)	6	423600	4.24
4	Green belt development	All plant area	2207332	22.074
5	House Keeping	4 person	262080	2.62
Total Recurring cost investment on pollution control measures from October 2017 to March 2018				1187.554

Environmental Clearance advertisement in news papers

PUBLIC NOTICE

The Ministry of Environment Forest & Climate change Vide their letter No F.NO.IA- J-11011 /540/2017 –IA-II(I) dt 1.02.2018 have accorded to transfer the Environmental Clearance of 4.0 MTPA Slag Grinding and mixing unit(s) from Environmental Clearance granted to 6.2 MTPA Slag Grinding and Mixing units as a part of Integrated Steel Plant of M/s JSW Steel Limited (parent company) to M/s JSW Cement Limited(new company) (The copy of Environmental clearance letter is available with SPCB and may also be seen at website of the Ministry of Environment Forest & Climate change <http://envfor.nic.in>

**ಸಾರ್ವಜನಿಕ ಪ್ರಕಟಣೆ**

ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯವು ತನ್ನ ಉಲ್ಲೇಖ ಸಂಖ್ಯೆ ನಂ. ಎಫ್. ನಂ. ಐಎ-ಜೆ-11011/540/2017-ಐಎ. II(I) ದಿನಾಂಕ 01.02.2018 4.0 ಎಮ್.ಟಿ.ಪಿ.ಎ. ಸ್ಲಾಗ್ ಗ್ರೈಂಡಿಂಗ್ ಮತ್ತು ಮಿಕ್ಸಿಂಗ್ ಘಟಕ (ಗಳು) 6.2 ಎಮ್.ಟಿ.ಪಿ.ಎ.ಗೆ ವರ್ಗಾಯಿಸಲು ಅನುಮೋದಿಸಿದೆ. ಎಮ್/ಎಸ್. ಜೆ.ಎಸ್. ಡಬ್ಲ್ಯೂ. ಸ್ಪೀಲ್ ಲಿಮಿಟೆಡ್. (ಮೂಲ ಕಂಪನಿ) ಜೆ.ಎಸ್. ಡಬ್ಲ್ಯೂ. ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್. (ಹೊಸ ಕಂಪನಿ). ಎನ್ವಿರಾನ್ಮೆಂಟಲ್ ಕ್ಲಿಯರೆನ್ಸ್ ಪ್ರತಿಯನ್ನು ಎಸ್.ಪಿ.ಸಿ.ಬಿ. ಜೊತೆ ಪತ್ರ ಲಭ್ಯವಿರುತ್ತದೆ. ಹಾಗೂ ಪ್ರತಿಯನ್ನು ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯದ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲೂ ನೋಡಬಹುದು <http://envfor.nic.in>