

## **Ambuja Cement**

REGD. A/D

ACL/EMD/F-16/2019/ 2048

25.11.2019

✓ Director,  
Ministry of Environment & Forest (MoEF),  
Regional Office, Western Region,  
"Kendriya Paryavaran Bhavan"  
Link Road No.3, Ravi Shankar Nagar,  
Bhopal - 462016 (M.P.)

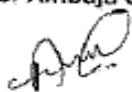
**Sub.:** Half Yearly Compliance Status Report of Environmental Clearance of TPP.

**Ref.:** Environmental Clearance Order No. J-13012/20/2004.I (A)-II (T) dated 15<sup>th</sup> March 2005 & amendment on 03<sup>rd</sup> June 2009 and 03<sup>rd</sup> December 2009.

Sir,  
We are pleased to submit herewith half yearly compliance status report (i.e. for the period of **April'19 to Sep'19** of Environmental Clearance Order No. 13012/20/2004.I(A)-II (T) granted by MoEF to 90 MW **Thermal Power Plant** of Ambuja Cements Ltd., located at Ambujanagar, Taluka - Kodinar, District - Gir Somnath (Gujarat). We are also enclosing here with CD containing soft copy of the same.

Thanking you,

Yours Faithfully,  
For **Ambuja Cements Ltd.**

  
**Anand Prakash**  
Head Environment

Encl.: As above.

Copy to:

- 1.) Central Pollution Control Board (CPCB) Privesh Bhavan, Atmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390023 (Gujarat)
- 2.) Member Secretary, Gujarat Pollution Control Board (GPCB), Paryavaran Bhavan, Sector-10-A, Gandhinagar-382010
3. Regional Officer, Gujarat Pollution Control Board (GPCB), Opp. Saint Anne's Church Station Road, Junagadh.

Regd. Office :  
PO : Ambujanagar - 362 715, Tal : Kodinar,  
Dist. : Gir Somnath (Gujarat)  
Phone : (02795) 221137, 232009,  
Fax : (02795) 220328, 232032

**Ambuja Cements Limited**  
(Unit : Ambujanagar)  
CIN No. : L26942GJ1981PLC004717  
www.ambujacement.com

Corporate Office :  
Elegant Business Park,  
MIDC Cross Road 'B'  
Off Andheri - Kurla Road, Andheri (E)  
Mumbai - 400 059. Phone : (022) 4086700

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS**

Ministry of Environment & Forests, Regional Office (W), Bhopal

Monitoring Report Part-I

**DATA SHEET**

Date: 25.11.2019

01	Project type	:	Thermal Power Plant
02	Name of the project	:	Captive Thermal Power Plant (90 MW) for Cement Plant (5.7 MTPA capacity), Taulka Kodinar, Dist Gir Somnath & Bulk Cement Terminal, Village Muldwarka, Dist Gir Somnath
03	Clearance letter(s) / OM no. and date	:	Letter No. J – 13012/20/2004. IA –II (T) dated 15 <sup>th</sup> March and 18 <sup>th</sup> March, 2005, amended on 03 <sup>rd</sup> June 2009 & 3 <sup>rd</sup> December 2009.
04	Location	:	
	a) District(s)	:	Gir Somnath
	b) State(s)	:	Gujarat
	c) Latitude	:	21° 00' N
	d) Longitude	:	70° 30' E
05	Address for correspondence	:	
	a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers).	:	Shri S Ramarao MCH ( W&S) Ambuja Cements Ltd. PO Ambujanagar-362715 Taluka- Kodinar District- Gir Somnath (Gujarat) Tel: 02795-221136/237200Fax: 02795-220328/222032
	b) Address of Executive Project Engineer / Manager (with pincode / fax numbers.	:	Shri Rajesh Vadher (Head -TPP) Ambuja Cements Ltd. PO Ambujanagar-362715 Taluka- Kodinar District- Gir Somnath (Gujarat) Tel: 02795-221136/237230 Fax: 02795 220328/222032
06	Salient features		
	a) of the project		<ul style="list-style-type: none"> <li>- This is a CPP</li> <li>- Fuels are Indigenous Coal, Imported Coal, Petcoke, Lignite in Blend</li> <li>- 3 nos. of CFBC Boilers each having capacity of 135 TPH, 87 kg/cm<sup>2</sup> temperature 515°c</li> <li>- Air cooled Condenser (ACC)</li> </ul>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
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<p>b) of the environmental management plans</p>	<p>: a) <b>Construction Phase</b></p> <p>Proper disposal construction waste</p> <p>Adequate erosion control plan to minimize soil erosion. Minimize noise by using acoustic enclosure for boiler, Low noise generation equipments viz boiler and compressor area. Ear muffs &amp; ear plugs are provided to workers engaged at high noise area. Visuals for working in high noise are displayed at various location.</p> <p>Spraying suppression at regular intervals</p> <p><b>b) Operation Phase</b></p> <ul style="list-style-type: none"> <li>➤ Separate Environment Management Division (EMD) with suitable qualified staff has been set up as per company's policy with adequate monitoring instrument and other infrastructure for implementation of the stipulated environmental safeguards.</li> <li>➤ Continuous online monitoring systems for measurements of particulate matter, SO<sub>2</sub> &amp; NO<sub>x</sub> have been installed at boiler stack and data is continuously uploading to CPCB website &amp; GPCB website.</li> <li>➤ Ambient Air Quality Monitoring is being regularly carried out at three locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> and the monitoring report is being regularly submitted to SPCB &amp; MoEF.</li> <li>➤ Occupational Exposure Monitoring – Worker's exposure to coal dust, fly ash &amp; noise is being regularly carried out in plant area.</li> <li>➤ <b>Meteorology</b> - Wind speed, wind direction, temperature, relative humidity &amp; rainfall is being regularly monitored and record maintained on daily basis.</li> <li>➤ <b>Water Quality Monitoring</b> – Waste water quality monitoring of RO plant is ensured. Waste water from RO plant is being stored in closed Water tank and used for cooling process in cement plant after neutralization.</li> </ul>
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			<ul style="list-style-type: none"> <li>➤ <b>Fly Ash Utilization Plan</b> – Imported coal is being used as fuel in Power plant with low sulphur content. Fly ash generated from TPP is being stored in closed silos and 100% utilization in cement manufacturing in Cement plant in environment friendly manner.</li> <li>➤ Adequate air pollution control equipments like ESP's and Bag filters have been installed for effective air pollution control.</li> </ul>
07	Break up of the project area.		
	a) Submergence area (forest & non-forest)	:	Not applicable
	b) Others	:	4.8 ha (excluding cement plant).
08	Breakup of the project affected population with enumeration of those losing houses / dwelling unit's only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.	:	Not applicable
	a) SC, ST / Adivasis	:	---
	b) Others	:	---
09	Financial details	:	
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	Rs. 300 Crore, Year 2005 Rs. 226.90 Crore for Steam Turbine Generator 1 &2 in 2007 and 106.21 Crore for Steam Turbine Generator 3 in 2010
	b) Allocation made for environmental management plans with item wise and year wise breakup	:	Rs. 12.79 Crore were allocated for Environment Management Plan and it included in Project cost
	c) Benefit cost ratio / Internal rate of return and the year of assessment.	:	Approx. 8% in 2015-16
	d) Whether (c) includes the cost of environmental management as shown in the above.	:	Yes
	e) Actual expenditure incurred on the project so far.	:	Rs. 336.11 Crore
	f) Actual expenditure incurred on the environmental management plans so far.	:	Rs. 13.41 Crore

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

10	Forest land requirement	:	Not applicable.
	a) The status of approval for diversion of forest land for non-	:	
	b) The status of clearing felling	:	No clearing felling
	c) The status of compensatory afforestation, if any	:	Not Applicable
	d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.	:	Not Applicable
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	:	No Clearing felling
12	Status of construction.	:	
	a) Date of commencement (Actual and / or planned)	:	
	b) Date of completion (Actual and / or planned).	:	60 MW commissioned in November 2007 30 MW commissioned in January 2010
13	Reasons for the delay if the project is yet to start.	:	Not applicable.
14	Dates of site visits	:	
	a) The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	17.8.2016 (by Dr. B.B. Burman Regional Office, Bhopal),
	b) Date of site visit for this monitoring report	:	17.08.2016
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	:	Half yearly compliance status report is being regularly submitted and last submission was on <b>30.05.2019</b> vide <b>letter no. ACL/EMD/F-16/2019/1057</b>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

S No.	Condition	Compliance Status
3 (i)	All the conditions stipulated by Gujarat Pollution Control Board letter No. PC/NOC/CCA-49/11712 dated 15.04.2004 & PC/CCA –JNG-49/32287 dated 11.10.2004 should be strictly implemented.	<ul style="list-style-type: none"> <li>Gujarat Pollution Control Board vide their letter no. PC/NOC/CCA-49/11712 dated 15.04.2004 stipulated seventeen conditions &amp; PC/CCA –JNG-49/32287 dated 11.10.2004 stipulated two conditions. All this conditions are complied with and strictly implemented.</li> </ul> <p><b>Hence condition complied.</b></p>
3 (ii)	DG set shall be discontinued after commissioning of captive power plant	<ul style="list-style-type: none"> <li>28 MW DG sets (3 DG sets of 6 MW &amp; 1 DG set of 10 MW) have been discontinued. 30 MW DG sets has been retained and shall be utilized for emergency purposes during preventive maintenance of 2x30 MW &amp; 1x30 MW captive thermal power plant.</li> <li>MoEF has granted permission for retention of 30 MW DG set (3 x 10 MW). A Copy of the approval letter has already been submitted to MoEF vide our letter no. ACL/EMD/F-16/2010/55928 dated 25.12.2010</li> <li>Copy of the same is enclosed as under</li> </ul> <p><b>Hence, Condition complied.</b></p>

J-13012/20/2004- IA. II (T)  
Government of India  
Ministry of Environment & Forests

Telephone: 011-2436 7257  
e-mail: w.bharat@nic.in  
Paryavaran Bhawan, C.G.O. Complex,  
Lodi Road, New Delhi - 110003  
Dated: August 04, 2010.

**OFFICE ORDER**

**Sub: Retention of 30 MW DG Set installed at Cement Plant at village Vadnagar, in Junagarh Distt., in Gujarat - reg.**

Sir,

The undersigned is directed to refer to your letter dated 22.03.2010 requesting for allowing retention of 30 MW DG Set installed within the premises of Cement and Captive Power Plants at village Vadnagar, in Junagarh Distt., in Gujarat.

2. In this regard it is to inform you that the request has been considered and permission is hereby granted for retaining 30 MW DG Set out of the total installed capacity of 58 MW subject to strict compliance of the following:

i) The 30 MW DG Set retained shall be used only for emergency purpose during preventive maintenance of any one of the 3x30 MW Lignite/Coal/Petroleum Based Captive TPP.

ii) Sulphur content in fuel for 30 MW DG Set shall not exceed the permissible limits as prescribed under this Ministry's notification issued vide GSR 489 (E), dated 09.07.2002.

3. It is accordingly informed that in the Ministry's letter of even no. dated 15.03.2005, the condition no. (ii) under para no. 3 shall be now substituted as under:


*"30 MW DG Set only shall be retained strictly as stand-by arrangement for power requirement during preventive maintenance of any one of the 3x30 MW Captive TPP."*

Contd.....

-2-

4. All other conditions earlier prescribed vide this Ministry letters of even no. dated 15.03.2005 and 03.05.2009 and 13.01.2009 respectively shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,  
  
(W. Bharat Singh)  
Deputy Director

M/s Gujarat Ambuja Cements Ltd.  
P.O Ambuja Nagar - 362715  
Taluk: Kodinar, Distt: Junagarh  
Gujarat.

Copy to:

- The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110 001.
- The Secretary, Deptt. Of Forests & Environment, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382010.
- The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi - 110 066.
- The Chairman, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhi Nagar - 382010.
- The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
- The Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (WZ), Kendriya Paryavaran Bhawan, E-5 Arera Colony, Ravishankar Nagar, Bhopal - 462016.
- Director (EI), MoEF
- Guard file.
- Monitoring file.

(W. Bharat Singh)  
Deputy Director

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

3 (iii)	Coal requirement is estimated at 1180 TPD (Indian/Imported Coal) of 25 – 35% / 15% ash content and 0.9% / 0.5% Sulphur content.	<ul style="list-style-type: none"> <li>Total Coal requirement is <b>901.03</b> TPD (Indian/Imported Coal) quality is being complied for Indian/Imported coal.</li> <li><b>Hence, Condition complied.</b></li> </ul>
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**CPP Fuel Consumption (MT)**

Apr-19	24577.23
May-19	25359.99
Jun-19	11375.34
Jul-19	12156.41
Aug-19	9413.12
Sep-19	11241.84
<b>Total</b>	<b>94123.93</b>

3 (iv)	Any change in fuel shall be referred to the committee.	<ul style="list-style-type: none"> <li>MoEF has amended EC vide letter dated 03.06.2009 &amp; 03.12.2009 in respect of fuel change. Copy of letter has already been submitted to MoEF vide our letter no.ACL/EMD/F-16/2010/55928 dated 25.12.2010.</li> <li><b>Hence condition is complied.</b></li> </ul>
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No.J-13012/20 /2004-IA.II(T)  
Government of India  
Ministry of Environment & Forests

By Speed Post

Paryavaran Bhawan,  
CGO Complex, Lodi Road,  
New Delhi- 110003.

Dated : 3<sup>rd</sup> June, 2009

To

M/s Gujarat Ambuja Cements Ltd  
P.O.Ambujanagar- 362 715  
Taluka –Kodinar, Distt. Junagarh  
Gujarat

Subject: Change in fuel in 3x30 MW CPP at vill. Vadnagar, Distt. Junagarh, Gujarat by M/s Gujarat Ambuja Cements Ltd – Environmental clearance regarding.

Sir,

Reference is invited to your letter no. Nil dated 24<sup>th</sup> March, 2009 regarding change in fuel in respect of the above mentioned project.

2. It is noted that the environmental clearance for the above mentioned power project was accorded vide letter dated 15.3.2005. M/s Gujarat Ambuja Cements Ltd has now proposed for change in fuel from imported/indigenous coal to Pet coke blended with imported coal.

3. The proposal has been considered and in accordance with the recommendation of the EAC, the Ministry of Environment & Forests has no objection for change in fuel from imported/indigenous coal to Pet coke blended with imported coal subject to strict implementation of all the conditions contained in the environment clearance letter of even no. dated 15th March, 2005 and additional conditions stipulated as follows:

- The Pet coke shall be blended with imported coal and the blended fuel shall be used instead of imported / indigenous coal.
- Sulphur content in the blended fuel ( mixture of Pet coke and Imported coal) should not exceed 3.5 %.Quenching of sulphur through limestone dosing should be at least 90 %.



J-13012/20/2004- IA. II (T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhawan, C.G.O. Complex,  
Lodi Road, New Delhi -110003.  
Dated: December 03, 2009.

13

**OFFICE ORDER**

Sub: 90 MW Captive Power Plant at Ambuja Nagar, in Gujarat -reg.

Sir,

The undersigned is directed to refer to your letters dated 18.09.2009 requesting for allowing domestic coal and lignite along with pet coke blended with imported coal.

2. In this regard it is to inform you that the matter has been examined in consultation with the Expert Appraisal Committee (Thermal). It is to inform that this Ministry has no objection in permitting lignite and domestic coal in addition to petcoke and imported coal blended as fuel subject to strict compliance of the following:

- CFBC Boiler shall be installed along with air cooled condenser and ESP having atleast 99.8% efficiency.
  - Sulphur content in blended fuel shall not exceed 3.5 % and 90% SO<sub>2</sub> removal shall be achieved by lime dosing or any other suitable mechanism.
  - 100 % Fly Ash utilization shall be achieved from the date of commissioning of the plants of total capacity.
3. All other conditions earlier prescribed vide this Ministry letters of even no. dated 15.03.2005 and 03.05.2009 respectively shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,

(W. Bharat Singh)  
Deputy Director

M/s Gujarat Ambuja Cements Ltd.  
P.O Ambuja Nagar – 362715  
Taluk: Kodinar, Distt: Junagarh  
Gujarat.

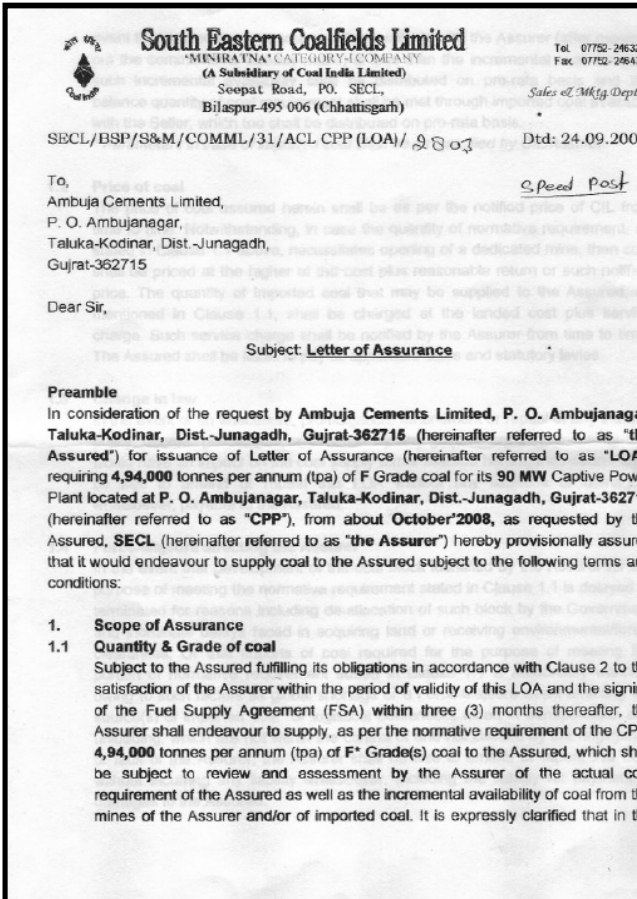
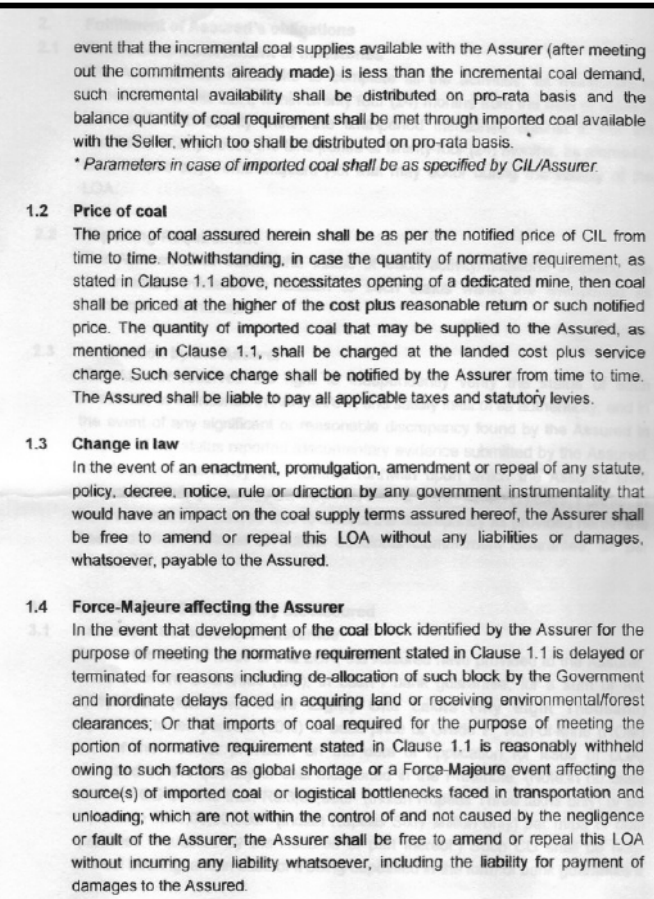
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- The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi – 110 001.
- The Secretary, Deptt. Of Forests & Environment, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar – 382010.
- The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi – 110 066.



**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

3 (v)	Copy of coal linkage duly approved by SLC Ministry of coal should be submitted before starting commissioning at the site.	<ul style="list-style-type: none"> <li>• First phase (CFBC boilers 1 &amp;2) of TPP commissioned in 2007</li> <li>• 2<sup>nd</sup> Phase (CFBC boiler 03) of TPP commissioned in 2010.</li> <li>• Coal linkage has been approved by SLC, Ministry of Coal and CIL have issued letter of assurance dated 24.09.2008 for 90 MW captive thermal power plant. Copy of LoA has already been submitted to MoEF vide our letter no.ACL/EMD/F-16/2010/55928 dated 25.12.2010.</li> <li>• Copy of the same is enclosed as below :</li> <li>• Hence condition is complied.</li> </ul>
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3 (vi)	Water requirement shall not exceed 1460 m3/day. No discharge of waste water should be done outside the plant boundary / natural drain and all the waste water should be recycled and reused in the plant.	<ul style="list-style-type: none"> <li>• Average Industrial Water consumption is 335 m3/day and average domestic water consumption is 53 m3/day. Total Average water consumption is 388 m3/day which is within the permissible quantity 1460 m3/day.</li> <li>• Our Thermal power plant is Zero Liquid Discharge unit, waste water (RO reject water) generated from thermal power plant is being re-used for cooling at cement plant. <b>Hence Condition is compiled.</b></li> </ul>



**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

3 (vii)	Ground water will not be extracted/purchased for any purpose / use in captive power plant. Only recycled water and / or stored water in Mine pit reservoirs shall be used.	<ul style="list-style-type: none"> <li>No ground water is being extracted or purchased for power plant.</li> <li>Harvested rain water stored in our mined out pits/reservoirs are being used for captive power plant operation. <b>Hence condition is complied.</b></li> </ul>
3 (viii)	A regular auditing of ground water availability and use by an independent agency should be put in place.	<ul style="list-style-type: none"> <li>The ground water is not being used for TPP. Only harvested rain water is being used in operation of TPP.</li> <li>CSR arm i.e. Ambuja Cement Foundation of Ambuja Cements Limited has constructed various rain water harvesting structures around the area in association with Ministry of Water Resources (Govt. of Gujarat). As a result of this, Salinity of the area is reduced and ground water level is augmented.</li> <li>However preliminary scientific Study on ground water potential in 1 km radius zone of captive power plant was carried out in Aug-2004 jointly by Ground Water &amp; Mineral Investigation Consultancy Centre (P) Ltd. Jaipur, Rajasthan. <b>Hence condition is complied.</b></li> </ul>
3 (ix)	Rain water harvesting should be adopted. Central Ground Water Authority / Board shall be consulted for finalization of appropriate water harvesting technology within a period of three months from the date of clearance.	<ul style="list-style-type: none"> <li>The company has constructed various rain water harvesting structures around the area in association with Ministry of Water Resources (Govt. of Gujarat). As a result of this Salinity of these area is reduced and ground water level is augmented</li> <li>The company has also well qualified and experienced in-house hydrogeologist. These in house experts are competent to design &amp; develop rainwater harvesting structure. However, as directed, we have consulted CGWA/CGWB for finalization of appropriate water harvesting technology. Officials from – Central Ground Water Board, Ahmedabad has visited our site.</li> <li>Water conservation measures to augment ground water resources in the area are being done by our CSR arm “Ambuja Cement Foundation” (ACF). A brief about ACF &amp; community development work done by ACF in surrounding areas is enclosed as under and rain water harvesting measures are <b>as below :</b> <ul style="list-style-type: none"> <li><b>Hence Condition is complied</b></li> </ul> </li> </ul>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

	<table><tr><th colspan="8">Ambuja Cement Foundation - Ambujanagar</th></tr><tr><th colspan="8">Details for programme wise expenditure for the year April 2019 to Sept. 2019</th></tr><tr><th>Sr.No</th><th>Programme</th><th>ACF - ACL</th><th>*Funds received through Government</th><th>** Funds from other Donors / Donor Agencies</th><th>***People's Contribution</th><th>****Direct Funding to Communities</th><th>Total Exp. (Rs. In lakhs)</th></tr><tr><td></td><td>GUJARAT - Kodinar</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="4">1</td><td>Water Resource Mangement &amp; Drinking Water Projects</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>a. Water Resource Development</td><td>23.09</td><td>--</td><td>--</td><td>--</td><td>--</td><td>23.09</td></tr><tr><td>B .Drinking Water Programme</td><td>18.70</td><td>--</td><td>--</td><td>2.40</td><td>--</td><td>21.10</td></tr><tr><td>C. Salinity Prevention (KVY III)</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>0.00</td></tr><tr><td>2</td><td>Agriculture Development( Farm Forestry &amp;Afforesation)</td><td>21.31</td><td>--</td><td>5.09</td><td>54.35</td><td>70.66</td><td>151.41</td></tr><tr><td>3</td><td>BCI</td><td>3.78</td><td>--</td><td>76.91</td><td>7.03</td><td>8.33</td><td>96.05</td></tr><tr><td>4</td><td>Krishi Vigyan Kendra (KVK) - Agriculture</td><td>2.36</td><td>53.22</td><td>--</td><td>--</td><td>--</td><td>55.58</td></tr><tr><td>5</td><td>Health &amp; Sanitation</td><td>11.17</td><td>--</td><td>--</td><td>8.12</td><td>13.92</td><td>33.21</td></tr><tr><td>6</td><td>Women / Youth Development</td><td>6.15</td><td>--</td><td>--</td><td>--</td><td>--</td><td>6.15</td></tr><tr><td>7</td><td>Skill and Enterprunership Development Programme</td><td>12.24</td><td>--</td><td>81.00</td><td>7.13</td><td>--</td><td>100.37</td></tr><tr><td>8</td><td>Integrated Community Development Programme</td><td>50.02</td><td>--</td><td>--</td><td>--</td><td>--</td><td>50.02</td></tr><tr><td>9</td><td>Co-ordination &amp; Administration Expenses</td><td>8.93</td><td>--</td><td>--</td><td>--</td><td>--</td><td>8.93</td></tr><tr><td>10</td><td>Non Plan</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>0.00</td></tr><tr><td></td><td>TOTAL</td><td>157.75</td><td>53.22</td><td>163.00</td><td>79.03</td><td>92.91</td><td>545.91</td></tr></table>	Ambuja Cement Foundation - Ambujanagar								Details for programme wise expenditure for the year April 2019 to Sept. 2019								Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)		GUJARAT - Kodinar							1	Water Resource Mangement & Drinking Water Projects							a. Water Resource Development	23.09	--	--	--	--	23.09	B .Drinking Water Programme	18.70	--	--	2.40	--	21.10	C. Salinity Prevention (KVY III)	--	--	--	--	--	0.00	2	Agriculture Development( Farm Forestry &Afforesation)	21.31	--	5.09	54.35	70.66	151.41	3	BCI	3.78	--	76.91	7.03	8.33	96.05	4	Krishi Vigyan Kendra (KVK) - Agriculture	2.36	53.22	--	--	--	55.58	5	Health & Sanitation	11.17	--	--	8.12	13.92	33.21	6	Women / Youth Development	6.15	--	--	--	--	6.15	7	Skill and Enterprunership Development Programme	12.24	--	81.00	7.13	--	100.37	8	Integrated Community Development Programme	50.02	--	--	--	--	50.02	9	Co-ordination & Administration Expenses	8.93	--	--	--	--	8.93	10	Non Plan	--	--	--	--	--	0.00		TOTAL	157.75	53.22	163.00	79.03	92.91	545.91
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3 (x)	Two stacks of 94 m height each shall be provided with continuous online monitoring system with exit velocity of 20-25m/sec should be maintained.	<ul style="list-style-type: none"><li>Two stacks are provided with height 95 m each.</li><li>Continuous online emission monitoring systems for particulate matter, SO<sub>2</sub> and NO<sub>x</sub> have been installed at both stack.</li></ul> <p>Hence Condition is complied</p>																																																																																																																																												
3 (xi)	High efficiency Electrostatic Precipitator (ESP) having efficiency of 99.8% should be installed to limit outlet SPM emission at 100 mg/Nm <sub>3</sub>	<ul style="list-style-type: none"><li>03 ESP's have been Installed and designed to restrict the PM emission below 50 mg/Nm<sup>3</sup>.</li><li>Average concentration of PM is found to be 16.8 mg/Nm<sub>3</sub> against specified limit of 50 mg/Nm<sup>3</sup>.</li><li>Stack monitoring results for the period April '19 to Sep'19 is enclosed as under:</li></ul> <p>Hence Condition is complied</p>																																																																																																																																												
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3 (xii)	The downwind AAQM station is 5 Km to the East. A station in the SE sector at a distance of 1 Km able to capture the impact of the existing & proposed stacks should be set up.	<ul style="list-style-type: none"> <li>We have already setup AAQM stations in 5 Km to the E and 1 Km in SE direction as suggested.</li> <li>Ambient air quality monitoring reports for the period <b>April '19 to Sep'19</b> are enclosed as under : Hence Condition is complied</li> </ul>
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<b>Ambient Air Quality Monitoring Results</b>												
<b>(April 2019 - Sep 19)</b>												
Month	<b>Average Ambient Air Quality Monitoring Results (µg/m3)</b>											
	<b>Inside TPP</b>				<b>Navapara</b>				<b>Devalpara</b>			
	<b>PM2.5</b>	<b>PM10</b>	<b>SO2</b>	<b>NOx</b>	<b>PM2.5</b>	<b>PM10</b>	<b>SO2</b>	<b>NOx</b>	<b>PM2.5</b>	<b>PM10</b>	<b>SO2</b>	<b>NOx</b>
Apr-19	33.4	58.5	11.9	15.0	24.5	48.1	11.9	15.0	25.0	49.1	12.1	15.0
May-19	65.4	56.2	12.3	15.2	26.1	47.4	11.8	15.0	23.7	45.6	12.0	15.2
Jun-19	27.3	49.7	12.6	15.6	24.1	51.2	12.9	16.0	22.2	49.2	11.7	14.9
Jul-19	24.3	45.8	11.8	14.7	22.8	46.7	12.1	14.7	20.9	45.5	11.7	14.6
Aug-19	22.6	44.2	10.9	13.8	22.1	42.4	11.9	15.0	20.8	42.9	11.3	14.2
Sep-19	22.5	43.7	11.2	13.1	22.0	42.7	11.3	14.2	20.6	42.4	11.7	13.7
<b>Minimum</b>	<b>22.5</b>	<b>43.7</b>	<b>10.9</b>	<b>13.1</b>	<b>22.0</b>	<b>42.4</b>	<b>11.3</b>	<b>14.2</b>	<b>20.6</b>	<b>42.4</b>	<b>11.3</b>	<b>13.7</b>
<b>Maximum</b>	<b>65.4</b>	<b>58.5</b>	<b>12.6</b>	<b>15.6</b>	<b>26.1</b>	<b>51.2</b>	<b>12.9</b>	<b>16.0</b>	<b>25.0</b>	<b>49.2</b>	<b>12.1</b>	<b>15.2</b>
<b>Average</b>	<b>32.6</b>	<b>49.7</b>	<b>11.8</b>	<b>14.6</b>	<b>23.6</b>	<b>46.4</b>	<b>12.0</b>	<b>15.0</b>	<b>22.2</b>	<b>45.8</b>	<b>11.8</b>	<b>14.6</b>

3 (xiii)	Space for FGD installation shall be kept in the plant premises.	<ul style="list-style-type: none"> <li>Space for FGD installation has been kept in the plant premises itself. <b>Hence Condition is complied</b></li> </ul>
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3 (xiv)	Ash generation will be 630 TPD. 100% of the fly ash and bottom ash generated shall be utilized in cement manufacturing. Fly ash will be stored in silos only and there shall be no open storage pond.	<ul style="list-style-type: none"> <li>Total average ash generation including bottom ash is 150.46 TPD which is well 630 TPD.</li> <li>Fly ash is stored in Silo and bottom ash directly (100%) utilized in cement manufacturing along with fly ash at our own cement plant.</li> <li>There is no open storage pond as Fly ash is stored in silo.</li> <li>Total quantity of fly Ash generation at 3*30 TPP for the period <b>April'19 to Sep '19</b> as under : <b>Hence Condition is complied.</b></li> </ul>
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<b>Fly Ash Generation (MT)</b>	
<b>Apr-19</b>	<b>4991</b>
<b>May-19</b>	<b>5015</b>
<b>Jun-19</b>	<b>3812</b>
<b>Jul-19</b>	<b>3951</b>
<b>Aug-19</b>	<b>3403</b>
<b>Sep-19</b>	<b>3375</b>
<b>Total</b>	<b>24547</b>

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3 (xv)	Regular monitoring of water quality including heavy metals should be undertaken around ash dyke and the project area to ascertain the change in water quality, if any, due to leaching of contaminants from ash disposal area.	<ul style="list-style-type: none"> <li>Not applicable as there is no ash ponds. Fly ash generated is being stored at fly ash silo.</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>
3 (xvi)	Noise level should be limited to 75 dB (A) and regular maintenance of equipment will be undertaken. For people working in the area of generator and other high noise area, earplug should be provided.	<ul style="list-style-type: none"> <li>Monitoring of Ambient noise level is done on regular basis and the noise level around thermal power plant is maintained well below 75 dB (A).</li> <li>People working in the area of generator and other high noise areas are provided with necessary PPE's like earplugs and ear muffs.</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>
3 (xvii)	Greenbelt of 20-25 m along the plant boundary should be developed covering an area of 0.5 ha.	<ul style="list-style-type: none"> <li>Greenbelt of 20-25 m has been established around the plant boundary wherever open space is available. However the company has done plantation where space is available inside the plant area. The company has already developed 2.10 hectares of greenbelt, more than the requirement.</li> <li>Photographs of the same are enclosed as under:</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>





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3 (xviii)	Regular monitoring of the air quality should be carried out in and around the power plant and records should be maintained. Periodic six monthly reports should be submitted to this Ministry.	<ul style="list-style-type: none"> <li>Ambient air quality is being regularly monitored at identified AAQM stations and report is being regularly submitted to SPCB on monthly basis and to MoEF on six monthly basis.</li> <li>Ambient air quality monitoring report for the period <b>April'19 to Sep '19</b> enclosed as under:</li> <li><b>Hence condition is complied.</b></li> </ul>
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<u>Ambient Air Quality Monitoring Results</u>												
<u>(April 2019 - Sep 19)</u>												
Month	Average Ambient Air Quality Monitoring Results (µg/m3)											
	Inside TPP				Navapara				Devalpara			
	PM2.5	PM10	SO2	NOx	PM2.5	PM10	SO2	NOx	PM2.5	PM10	SO2	NOx
Apr-19	33.4	58.5	11.9	15.0	24.5	48.1	11.9	15.0	25.0	49.1	12.1	15.0
May-19	65.4	56.2	12.3	15.2	26.1	47.4	11.8	15.0	23.7	45.6	12.0	15.2
Jun-19	27.3	49.7	12.6	15.6	24.1	51.2	12.9	16.0	22.2	49.2	11.7	14.9
Jul-19	24.3	45.8	11.8	14.7	22.8	46.7	12.1	14.7	20.9	45.5	11.7	14.6
Aug-19	22.6	44.2	10.9	13.8	22.1	42.4	11.9	15.0	20.8	42.9	11.3	14.2
Sep-19	22.5	43.7	11.2	13.1	22.0	42.7	11.3	14.2	20.6	42.4	11.7	13.7
Minimum	22.5	43.7	10.9	13.1	22.0	42.4	11.3	14.2	20.6	42.4	11.3	13.7
Maximum	65.4	58.5	12.6	15.6	26.1	51.2	12.9	16.0	25.0	49.2	12.1	15.2
Average	32.6	49.7	11.8	14.6	23.6	46.4	12.0	15.0	22.2	45.8	11.8	14.6

3 (xix)	For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant should be ensured.	<ul style="list-style-type: none"> <li>Various measures are being taken to control fugitive emission like construction of RCC roads inside plant premises, closed conveying system for fly-ash handling. Transport roads and internal plant roads are being regularly cleaned using mechanized vacuum sweeping machines.</li> <li>Actions are being implemented in a time bound manner for controlling the fugitive dust emissions from all the sources. Regular monitoring of fugitive dust emission is carried out at the prescribed intervals.</li> <li>Photographs of fugitive dust control measures are enclosed as under . <b>Hence Condition is complied.</b></li> </ul>
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Concrete roads throughout the plant



Dust Sweeping Machine

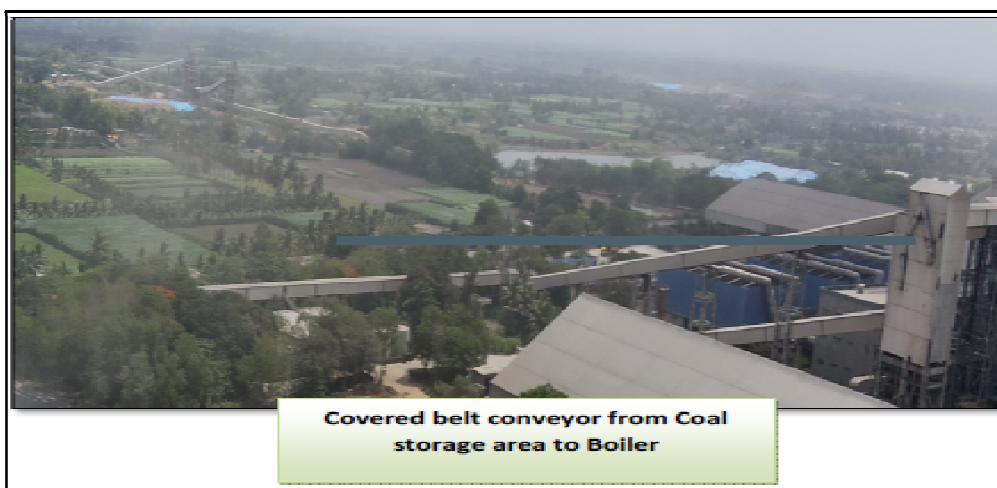
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ESP to control Dust emission at source



Properly covered Fly ash storage silo



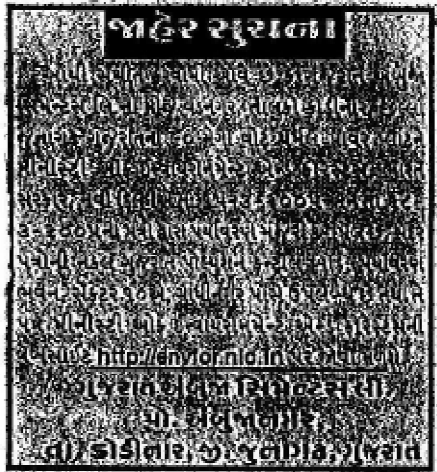
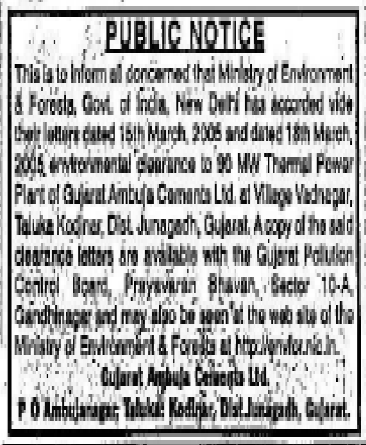
Covered belt conveyor from Coal storage area to Boiler

3 (xx)

All other mitigative measures shall be taken as enumerated in Chapter 5 of the REIA report.

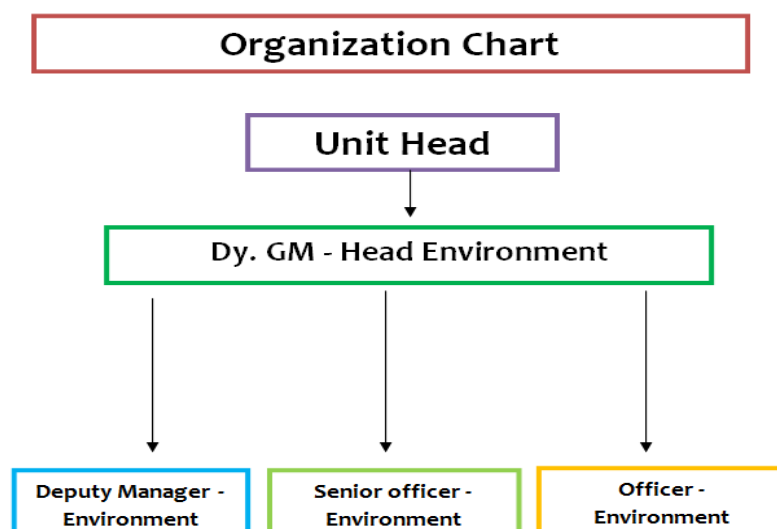
- The main mitigation measures suggested in REIA chapter -5 are as follows.
  - Recycle and reuse of treated effluent for green belt development,
  - No adverse impact on flora -fauna
  - Land use pattern of area to be remain unchanged.
  - Upliftment of socio economic condition of surrounding area
  - Solid waste management by proper storage facilities.
- All of the above recommendation are being followed and detail Compliance status has already been submitted to MoEF vide our letter no. ACL/EMD/F-16/2010/55928 dated 25.12.2010.  
**Hence condition is complied.**

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

3 (xxi)	<p>The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of Ministry of Environment and Forests in the <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p>	<ul style="list-style-type: none"> <li>Advertisement has been published in local newspapers “Jai Hind” and “Indian Express” dated 24.03.2005. Copy of advertisement has already been submitted to MoEF vide our letter no.ACL/EMD/F-16/2010/55928 dated 25.12.2010.</li> <li>Copy of the same is enclosed as under:</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>
	<p align="center"><u>“JAI HIND” DATED-24-03-2005</u></p> 	<p align="center"><u>“INDIAN EXPRESS” DATED 24-03-05</u></p> 
3 (xxii)	<p>A separate environmental monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.</p>	<ul style="list-style-type: none"> <li>A well established Environmental Management Division (EMD) with suitable qualified personnel is in place.</li> <li>Head of environmental management cell directly report to the Unit Head of the organization in order to oversee effective implementation of environment protection measures and to monitor the routine environmental performance within the premises. EMD organization chart is enclosed as under</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>



**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
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3 (xxiii)	Half yearly report on the status of implementation of the conditions stipulated and environmental safeguards should be submitted to this Ministry / Regional office / CPCB / SPCB.	<ul style="list-style-type: none"> <li>Half yearly compliance status report along with the monitored data are regularly submitted to MoEF/CPCB/SPCB in hard and soft copies, our last submission was on 30.05.2019 vide Letter No . ACL/EMD/F-16/2019/1057</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>
3 (xxiv)	Regional office of the Ministry of Environment and Forests located at Bhopal will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Management Plan should be forwarded to the Regional Office for their use during monitoring.	<ul style="list-style-type: none"> <li>EIA report and management plan have been submitted vide our letter no. GACL/EMD/44/2005/30623 dated 09/04/2005.</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>
3 (xxv)	Separate funds should be allocated for implementation of environmental protection measures along with item wise break-up. These cost should be included as part of the project cost. The funds remarked for the environment protection measures should not be diverted for other purposes and year –wise expenditure should be reported to the Ministry.	<ul style="list-style-type: none"> <li>Capital investment for environment monitoring Rs 57.08 Lakhs.</li> <li>Details of capital and recurring expenditure for environmental protection measures are enclosed as under:</li> </ul> <p align="center"><b>Hence condition is complied.</b></p>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

Expenditure incurred in Environment Management Plan - CAPTIVE POWER PLANT		
A. Capital Cost		
S.No	Particulars	Cost
1	Monitoring Equipments	37.08
2	Environment Laboratory	10
3	Others (Monitoring Van, DG Sets etc.	10
Total (In Lacs INR)		57.08
B. Recurring Cost ( April'19 to Sep'19)		
S.No	Particulars	Cost
1	Green belt development & Dust suppression	1.54
2	Manpower Cost *	28.51
3	House Keeping	10.87
4	Maintenance of Pollution Control Equipments	15.86
5	Other Env. Protection (Environmental Monitoring)	4.26
6	Environment Awareness *	1.25
Total (In Lacs INR)		62.29
* Common for All Plant & Mines		

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April 2019 to Sept. 2019							
Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)
GUJARAT - Kodinar							
1	Water Resource Mangement & Drinking Water Projects						
	a.Water Resource Development	23.09	--	--	--	--	23.09
	B .Drinking Water Programme	18.70	--	--	2.40	--	21.10
	C. Salinity Prevention (KVV III)	--	--	--	--	--	0.00
2	Agriculture Development( Farm Forestry &Afforestation)	21.31	--	5.09	54.35	70.66	151.41
3	BCI	3.78	--	76.91	7.03	8.33	96.05
4	Krishi Vigyan Kendra (KVK) - Agriculture	2.36	53.22	--	--	--	55.58
5	Health & Sanitation	11.17	--	--	8.12	13.92	33.21
6	Women / Youth Development	6.15	--	--	--	--	6.15
7	Skill and Enterprunership Development Programme	12.24	--	81.00	7.13	--	100.37
8	Integrated Community Development Programme	50.02	--	--	--	--	50.02
9	Co-ordination & Administration Expenses	8.93	--	--	--	--	8.93
10	Non Plan	--	--	--	--	--	0.00
TOTAL		157.75	53.22	163.00	79.03	92.91	545.91

3 (xxvi)	Full cooperation should be extended to the Scientist/officer from the Ministry / Regional Office of the Ministry at Bhopal / the CPCB/The SPCB who would be monitoring the compliance of environmental stipulations and measures.	<ul style="list-style-type: none"><li>Full support and co-operation is being extended during the visit of officer from Ministry of Environment &amp; Forest, CPCB as well as GPCB. Project was monitored by Director (Regional Office, Bhopal) during 12.10.10 to 13.10.10.&amp; 17.08.2016</li></ul> <p><b>Hence condition is complied.</b></p>
4	The ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the ministry.	<ul style="list-style-type: none"><li>Agreed.</li></ul>
5	The environmental clearance accorded shall be valid for a period of 5 years for construction/operation of the power plant. In case ,if the project authorities fails to do so within this stipulated period , this environmental clearance shall stand lapsed automatically.	<ul style="list-style-type: none"><li>The environment clearance was issued on Nov-2005 and first phase of project was commissioned in 2007 and second phase of project was commissioned in 2010.</li></ul> <p><b>Hence condition is complied.</b></p>
6	In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition (s) imposed and to add additional environmental protection measures required, if any.	<ul style="list-style-type: none"><li>The company has applied for type of fuel change to MOEF for amendment of EC condition and same has been amended as per MOEF letter dated 03.06.2009 &amp; 03.12.2009.</li></ul> <p><b>Hence condition is complied.</b></p>
7	The above stipulations would be enforced among others under the Water (Prevention and Control of pollution)Act, 1974, the Air (Prevention and control of Pollution) Act	<ul style="list-style-type: none"><li>All stipulations under Water (Prevention and Control of pollution)Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment Protection Act</li></ul>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

	1981, the Environment Protection Act , 1986 and rules there under, Hazardous Waste (Management & Handling) Rules, 1989 and its amendments, the Environment Impact assessment Notification of January, 1994 and its amendments.	1986, Hazardous waste Rules, 1989 amendment 2003, 2008 2016 and EIA Notification 1994 are being complied.  <b>Hence condition is complied.</b>
<b>Compliance Status of Environmental Clearance No. J-13012/20/2004- IA. II (T) dated 03.06.2009 issued to Thermal Power Plant [EC 1st amendment]</b>		
(i)	The Pet coke shall be blended with imported coal and the blended fuel shall be used instead of imported/indigenous coal.	<ul style="list-style-type: none"> <li>As per further amendment in CPP EC dated 03.12.2009 we are blending lignite and domestic coal in addition to petcoke and imported coal and using as fuel details as under:</li> </ul> <b>Hence condition is complied.</b>
(ii)	Sulphur content in the blended fuel (mixture of Pet coke and Imported coal) should not exceed 3.5%. Quenching of sulphur through limestone dosing should be at least 90 %.	<ul style="list-style-type: none"> <li>Blending of fuels is done in a manner to restrict Sulphur percentage below 3.5% in blended fuel. Limestone dosing is done along with coal, in order to limit Sulphur dioxide emission. <b>Hence condition is complied.</b></li> </ul>
(iii)	All the waste generated from sulphur quenching shall be used in a cement plant.	<ul style="list-style-type: none"> <li>All the waste generated from sulphur quenching is being used in cement plant. <b>Hence condition is complied.</b></li> </ul>
(iv)	First aid and sanitation arrangement shall be made for the drivers and the contract workers during construction phase.	<ul style="list-style-type: none"> <li>All required facilities such as first aid, drinking water and sanitation arrangements were made for the drivers and the contract workmen during the construction phase.</li> <li>All these facilities are also available for workmen presently working in thermal power plant. A multispecialty hospital of 60 beds is established in 2015 at Ambujanagar. <b>Hence condition is complied.</b></li> </ul>
(v)	Regular monitoring of ground level concentration of SO <sub>2</sub> , NO <sub>x</sub> , Hg, SPM and RSPM shall be carried out in the impact zone and records should be maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be submitted to the regional office of the ministry. The data shall also be put on the website of the company.	<ul style="list-style-type: none"> <li>Ambient air quality is being regularly monitored at identified AAQM stations and report is being regularly submitted to SPCB on monthly basis and to MoEF on six monthly basis. Ambient air quality monitoring report for the period October'18 to March'19 enclosed as under:</li> </ul> <b>Hence condition is complied.</b>

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
(EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)**

Ambient Air Quality Monitoring Results												
(April 2019 - Sep 19)												
Month	Average Ambient Air Quality Monitoring Results (µg/m3)											
	Inside TPP				Navapara				Devalpara			
	PM2.5	PM10	SO2	NOx	PM2.5	PM10	SO2	NOx	PM2.5	PM10	SO2	NOx
Apr-19	33.4	58.5	11.9	15.0	24.5	48.1	11.9	15.0	25.0	49.1	12.1	15.0
May-19	65.4	56.2	12.3	15.2	26.1	47.4	11.8	15.0	23.7	45.6	12.0	15.2
Jun-19	27.3	49.7	12.6	15.6	24.1	51.2	12.9	16.0	22.2	49.2	11.7	14.9
Jul-19	24.3	45.8	11.8	14.7	22.8	46.7	12.1	14.7	20.9	45.5	11.7	14.6
Aug-19	22.6	44.2	10.9	13.8	22.1	42.4	11.9	15.0	20.8	42.9	11.3	14.2
Sep-19	22.5	43.7	11.2	13.1	22.0	42.7	11.3	14.2	20.6	42.4	11.7	13.7
Minimum	22.5	43.7	10.9	13.1	22.0	42.4	11.3	14.2	20.6	42.4	11.3	13.7
Maximum	65.4	58.5	12.6	15.6	26.1	51.2	12.9	16.0	25.0	49.2	12.1	15.2
Average	32.6	49.7	11.8	14.6	23.6	46.4	12.0	15.0	22.2	45.8	11.8	14.6

(vi)	Provision shall be made for the housing of construction labor 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 structure to be removed after the completion of the project.	<ul style="list-style-type: none"> <li>• Project has already completed and plant is under operational stage.</li> <li>• Presently, all our management staff and wage board employees are residing in company provided residential colony.</li> </ul> <p style="text-align: center;"><b>Hence Condition is complied.</b></p>
(vii)	The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutants levels namely: SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<ul style="list-style-type: none"> <li>• Compliance status reports of the stipulated conditions, including results of monitoring data are being regularly uploaded on company website.</li> <li>• Half yearly compliance status report including results of monitored data are being regularly submitted to MoEF/CPCB/SPCB, our last submission was on <b>30.05.2019 vide letter no. ACL/EMD/F-16/2019/1057</b>. Pollutants level is being uploaded on website and also being displayed on board at main gate of the power plant.</li> </ul> <p style="text-align: center;"><b>Hence Condition is complied.</b></p>
(viii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of	

**Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant  
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	CPCB and the SPCB.	
(ix)	Project proponent will up-load the compliance status on their website and up-date the same from time to time at least on six monthly basis. Criteria pollutants level (Stack & ambient level of NOx) will be displayed at the main gate of the power plant.	<ul style="list-style-type: none"> <li>Six monthly compliance status report and pollutants level (Stack &amp; ambient) is being uploaded on website: <a href="http://www.ambujacement.com">www.ambujacement.com</a> and also being displayed at main gate of the power plant.</li> </ul> <p align="center"><b>Hence, Condition is complied</b></p>
<b>Compliance Status of Environmental Clearance No. J-13012/20/2004- IA. II (T) dated 03.12.2009 issued to Thermal Power Plant [EC 2nd amendment]</b>		
2	Ministry has no objection in permitting lignite and domestic coal in addition to petcoke and imported coal blended as fuel subject to strict compliance of the following.	<ul style="list-style-type: none"> <li>Agreed</li> </ul>
(i)	CFBC Boiler shall be installed along with air cooled condenser and ESP having at least 99.8% efficiency.	<ul style="list-style-type: none"> <li>CFBC Boilers are installed along with air cooled condensers and highly efficient ESP's to control emission.</li> </ul> <p align="center"><b>Hence Condition is complied.</b></p>
(ii)	Sulphur content in blending fuel shall not exceed 3.5% and 90% SO <sub>2</sub> removal shall be achieved by lime dosing or any other suitable mechanism.	<ul style="list-style-type: none"> <li>Blending of fuels is done in a manner to restrict % Sulphur below 3.5% in blended fuel. Limestone dosing is done along with coal, in order to limit sulphur dioxide emission.</li> </ul> <p align="center"><b>Hence Condition is complied.</b></p>
(iii)	100% Fly Ash utilization shall be achieved from the date of commissioning of the plants of total capacity.	<ul style="list-style-type: none"> <li>All the generated fly ash (including bottom ash) is being stored in Silo and being fully (100%) utilized in cement manufacturing at our own cement plant.</li> </ul> <p align="center"><b>Hence Condition is complied.</b></p>
3	All other conditions earlier prescribed vide this Ministry letters of even no. dated 15.03.2005 and 03.05.2009 respectively shall remain the same.	<ul style="list-style-type: none"> <li>Complied as all above condition.</li> </ul>

# Compliance Status of Environmental Clearance issued to 90 MW Captive Thermal Power Plant (EC vide MoEF letter No. J – 13012/20/2004. IA –II (T) dated 15th March and 18th March, 2005)

**Ambuja Cement Foundation ( Unit: Ambujanagar, Kodinar, Gujarat)**

## Key Performance Indicators up to Sept. 2019

Sr. No	Details of Work/activities	Unit	Cummulative up to 2018-19	Achievements during 2019-20 (Sept. 19)	Cummulative up to 2019-20 (Sept. 19)
<b>1A</b>	<b>Water Resources Management and Drinking Water Projects</b>				
	a. Checkdam construction / Renovation	No	222	3	225
	c. Well Recharging / Percolation well	No	1268	0	1268
	d. Ponds Construction / Renovation	No	119	0	119
	e. Link Channels / Canals construction	Km	67.29	0	67.29
	f. Water Storage Tank / Farm Ponds	No	734	0	734
	g. Total surface water harvested	MCM	38.24	0.49	38.73
<b>B</b>	<b>Drinking Water Projects</b>				
	a. RRWHS Construction	No	3909	20	3929
	b. Drinking water wells / Bore wells / Renovation of Saline Wells	No	119	0	119
	c. Overhead / Cistern Tank construction/underground sump	No	25	0	25
	d. Community Based Drinking Water Project	No	58	0	58
<b>C</b>	<b>Soil and Water Conservation</b>				
	a. Area Treated ( Gully Control / Gabion / loose boulder structure / weir crates / Khadine	Ha	11876	0	11876
<b>2A</b>	<b>Agriculture Development</b>				
	a. Micro Irrigation system, Drip and Sprinklers	Acre	11848.66	303.02	12151.68
	No. of farmers covered	No	2580	88	2668
	No of units	No	326	0	326
	No of families		299	0	299
	d. Training & Exposure visits	No	5900	469	6369
	Farmers trained	No	177463	43623	221086
	e. Vermi / NADEP Composting	No	158	0	158
	g. Aquaculture	No	120	0	120
	i. Seed Production programme	Acre	1166	0	1166
	j. Better Cotton Initiative - Area covered	Acre	34677	111698	146375
	- Farmers covered	No	26222	8504	34726
	k. Farmer producer organization	No	1	0	1
	l. No of members	No	1811	0	1811
<b>B</b>	<b>Farm Forestry and Afforestation</b>				
	a. Horticulture Plantation	Acre	12215.075	409.27	12624.345
	No of plants	nos	904112	22086	926198
	b. Agro-Farm Forestry	Acre	5391.01	0	5391.01
	c Afforestation	Acre	17.77	0	17.77
	d. Avenue plantation / Roadside plantation	Km	8.68	0	8.68
<b>3</b>	<b>Animal Husbandry Programme</b>				
	a. Cattle Health Camps	No	223	0	223
	Cattles Treated	No	174541	0	174541
	Cattle Immunised	No	26066	0	26066
	b. Fodder Demonstrations	Acre	2571.1	0	2571.1
	c. Artificial Insemination	No	49123	0	49123
	d. Integrated cattle feeding system	No	1394	0	1394
	e. Dairy co-operatives formed	No	1	0	1
	g. No of families benefited by AH programme		10463	0	10463
<b>4</b>	<b>Non Conventional Energy</b>				
	a. Biogas Plants	No	526	0	526
	b. Smokeless Chullahs	No	4671	0	4671
<b>5</b>	<b>Education Development</b>				
	b. School / Anganwadi (Balwadi )Support Programme	No	19	0	19
	h. Village / School Library	No	3	0	3
	i. Village Knowledge Centre / Computer education	No	3	0	3
	j. Adolescent Education Programme	No	4	0	4
	l. Students training / exposure visits	No	157	0	157
	n. Schools benefited	No	52	0	52
	o.No of students benefited under Education Development		8482	0	8482

<b>7</b>	<b>Health and sanitation Programme</b>				
	a. No of camps organised (include all general and speciality health camps)	No	334	10	344
	Patients benefited	No	58669	1915	60584
	b. Villages benefited under mobile & weekly dispensary	No	22	0	22
	Patients treated	No	350102	0	350102
	c. Sakhis (Village Health Functionaries)	No	19	0	19
	d. Villages covered by Sakhis / Patients treated by Sakhis	No	14	0	14
	No of Patients treaded		32828	1324	34152
	e. Khelwadi sessions conducted by Sakhis	No	3611	0	3611
	f. Health intervention trainings done (include trainings of Sakhis / Govt. health fuctionaries)	No	36	7	43
	Participants in trainings	No	1089	197	1286
	g. Construction of Toilet Blocks / Sulabh Sauchalaya / Soak Pits	No	10900	123	11023
	h. Villages where Total Sanitation Campaign initiated	No	208	13	221
	i. No of Village Health Sanitation Committees activated	No	73	0	73
<b>8A</b>	<b>HIV/AIDS Awareness Programme ( Community )</b>				
	h. No of people benefited	No	138828	0	138828
<b>B</b>	<b>Workplace Programme</b>				
	a. Awareness session for Staff / Families / contract staff / laboures / Truckers / Students / Rural community	No	10818	0	10818
	b. Master Trainers / peer educators		64	0	64
<b>9</b>	<b>Skill and Entrepreneurship Development Programme - Ambujanagar &amp; Rajula</b>				
	a. No of institute	No	2	0	2
	b. No of batches / courses	No	221	25	246
	c. Entrepreneurs trained under SEDI / ITI	No	4348	476	4824
	d. No of trainees placed	No	3554	309	3863
	e. No of trainees persuing (Continuation)			601	601
<b>10</b>	<b>Women and Youth Development</b>				
	a. No of SHG formed	No	600	40	640
	No of members	No	7413	437	7850
	b. Training & Exposure (women)	No	1058	62	1120
	No of participants	No	35888	1822	37710
	c. Training & Exposure (Youth)		81	0	81
	No of participants	No	4823	0	4823
	d. No of Federations Formed	No	1	0	1
<b>11</b>	<b>Rural Infrastructure Development Programme</b>				
	a. Construction of Common Pathways / Village Roads	No / Mtrs	81387.4	1670	83057.4
	b. Street Light installation	No	97	130	227
	c. Drainage construction	Mtrs	1075	0	1075
	d. Crematorium / Ghats construction/ Drinking water facilities	No	31	0	31
	e. Community Centre construction / School classroom	No	119	5	124
	f. Support for Social and Cultural Events	No	300	8	308
	g. House repairing	No	0	0	0
	h. Construction of culverts / bridge	No	9	2	11
	j. Construction of new School / school repairing	No	3	0	3
	k. No of villages covered	No	69	0	69
	l.const.of compoundwall for common area	Rmt	920	140	1060
<b>12</b>	<b>Gir Forest Conservation project</b>				
	a. Construction of Parapet wall around wells to protect wild animals	No	1702	0	1702
<b>13</b>	<b>Krishi Vigyan Kendra - Kodinar</b>				
	a. No of villages covered	No	310	0	310
	b. No of farmers trained	No	120974	2607	123581
	c. No of technology transferred (FLD)	No	229	19	248
	d. No of technology tested (OFT)	No	83	5	88
<b>14</b>	<b>Over all coverage</b>				
	a.No of villages	No	409	101	510
	a.Approx No of People benefited	No	875088	167907	1042995
<b>15</b>	<b>KVY III programmes</b>				
	a. IPM,INM&IDM practice adopted	Acre	67757	0	67757
	b.Soil testing	Farmers	3389	0	3389
	c.Village information centre	Villages	36	0	36
	d. SMS base agri. information system 3 SMS/month	Farmers	31645	0	31645
<b>16</b>	<b>Community safety awarness programmes</b>				
	Community Safety	No	826	51	877
	Total participant in community safety	No	22365	3232	25597