

11th April 2025
AIL/KUT/ENV/2025-26/02

XGN ID : 17766

To,
The Unit Head, Kutch (East),
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10A,
Gandhinagar - 382010.

Sub.: Annual compliance report as per the notification on fly ash utilisation from thermal power plant (captive or co-generating) for the period April 2024 to March 2025

Respected Sir,

With reference to the above subject, we are herewith submitting the annual compliance report as per the fly ash utilisation notification for **Cogeneration Power Plant (4 MW)** for the period April'24 to March'25 in the prescribed Annexure for your reference and record please.

We hope you will find the above in the order.

Thanking you,

For Aarti Industries Limited (Anushakti Division)

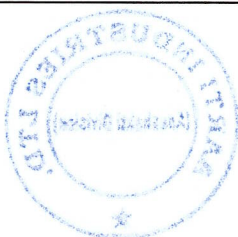

Authorized Signatory

Copy to:

1. The Regional Director, Central Pollution Control Board, Vadodara, Gujarat
Mail - (ec-rdw.cpcb@gov.in)
2. Deputy Director General of Forests (C), MoEF&CC, Regional Office, Gandhinagar, Gujarat.
Mail - (IRO Gandhinagar <iro.gandhingr-mefcc@gov.in>), (moefcc-coalash@gov.in)
3. Central Electricity Authority, Sewa bhawan R. K Puram, Sector 1 New Delhi.
Mail - (chair@nic.in)

Ash Compliance Report (April'24-March'25)

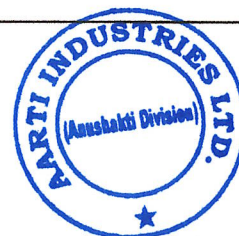
Sr.	Details	
1	Name of Power Plant	Cogeneration Power Plant (CPP)
2	Name of the company	Aarti Industries Limited (Anushakti Division)
3	District	Kutch
4	State	Gujarat
5	Postal address for communication:	Plot No 1430/1, NH 8 A, Bhachau , Kutch, Gujarat - 370140
6	E-mail:	env.anushakti@aarti-industries.com
7	Power Plant installed capacity (MW):	Cogeneration Power Plant : 4 MW
8	Plant Load Factor (PLF):	90.02%
9	No. of units generated (MWh):	1.64 MWh
10	Total area under power plant (ha): (including area under ash ponds)	We have a captive cogeneration power plant facility along with a chemical manufacturing unit. Area of CPP : 0.4 ha Total Plant Area : 9.5 ha The unit does not have any ash ponds, All the fly ash generated is being stored in dedicated fly ash silo i.e. 150 MT capacity.
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	51089.30 MT/Annum for Captive power plant.
12	Average ash content in percentage (per cent):	7.1 %
13	Quantity of current ash generation during reporting period (Metric Tons per Annum): Fly ash (Metric Tons per Annum) & Bottom ash (Metric Tons per Annum):	Total fly ash generation which includes Fly ash and bottom ash from power plant (MT per Annum) = 3643.82 MT
14	Capacity of dry fly ash storage silo(s) (Metric Tons) :	Silo Capacity: 150 MT
15	Details of utilisation of current ash generated during reporting period (a) Total quantity of current ash utilised (MTPA) during reporting period: (b) Quantity of fly ash utilised (MTPA):	 a) 3643.82 MT



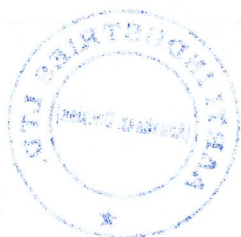
	<p>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)</p> <p>(ii) Cement manufacturing:</p> <p>(iii) Ready mix concrete:</p> <p>(iv) Ash and Geo-polymer based construction material:</p> <p>(v) Manufacturing of sintered or cold bonded ash aggregate:</p> <p>(vi) Construction of roads, road and fly over embankment:</p> <p>(vii) Construction of dams:</p> <p>(viii) Filling up of low lying area:</p> <p>(ix) Filling of mine voids:</p> <p>(x) Use in overburden dumps:</p> <p>(xi) Agriculture:</p> <p>(xii) Construction of shoreline protection structures in coastal districts;</p> <p>(xiii) Export of ash to other countries:</p> <p>(xiv) Others (please specify):</p> <p>(c) Quantity of bottom ash utilised (MTPA):</p> <p>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>(ii) Cement manufacturing:</p> <p>(iii) Ready mix concrete:</p> <p>(iv) Ash and Geo-polymer based construction material:</p> <p>(v) Manufacturing of sintered or cold bonded ash aggregate:</p> <p>(vi) Construction of roads, road and flyover embankment:</p> <p>(vii) Construction of dams:</p> <p>(viii) Filling up of low lying area:</p> <p>(ix) Filling of mine voids:</p> <p>(x) Use in overburden dumps:</p> <p>(xi) Agriculture:</p> <p>(xii) Construction of shoreline protection structures in coastal districts:</p> <p>(xiii) Export of ash to other countries:</p> <p>(xiv) Others (please specify): Total quantity of current ash unutilised (MTPA) during reporting period:</p>	<p>b) (i) 3643.82 MT Fly ash and bottom ash used for: bricks or blocks based manufacturing by end user.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>(c) N.A.</p> <p>Bottom ash is being mixed with fly ash and used for: bricks or blocks based manufacturing by end users.</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p>
16	Percentage utilisation of current ash generated during reporting period (per cent):	100% of ash generated during the reporting period was utilized.
17	<p>Details of disposal of ash in ash ponds</p> <p>(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period):</p> <p>(b) Quantity of ash disposed in ash pond(s) during reporting</p>	Not Applicable

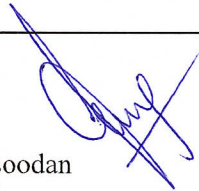


	<p>period (Metric Tons):</p> <p>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m3):</p> <p>(d) Total number of ash ponds:</p> <p>(i) Active:</p> <p>(ii) Exhausted (yet to be reclaimed):</p> <p>(iii) Reclaimed:</p> <p>(e) total area under ash ponds (ha):</p>	
18.	<p>Individual ash pond details Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</p> <p>(a) Status: Under construction or Active or Exhausted or Reclaimed</p> <p>(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MM/YYYY):</p> <p>(c) Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY): (Not applicable for active ash ponds)</p> <p>(c) area (hectares):</p> <p>(d) dyke height (m):</p> <p>(d) volume (m3):</p> <p>(e) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(g) expected life of ash pond (number of years and months):</p> <p>(e) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(f) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p> <p>g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(h) Ratio of ash: water in slurry mix (1: __):</p>	Not Applicable



	<p>(i) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(j) Quantity of wastewater from ash pond discharged into land or water body (m3):</p> <p>(k) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(l) Last date when the audit was conducted and name of the organisation who conducted the audit:</p>																	
19.	<p>Quantity of legacy ash utilised (MTPA):</p> <p>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>ii. Cement manufacturing:</p> <p>iii. Ready mix concrete:</p> <p>iv. Ash and Geo-polymer based construction material:</p> <p>v. Manufacturing of sintered or cold bonded ash Aggregate:</p> <p>vi. Construction of roads, road and flyover embankment:</p> <p>vii. Construction of dams:</p> <p>viii. Filling up of low lying area:</p> <p>ix. Filling of mine voids:</p> <p>x. Use in overburden dumps:</p> <p>xi. Agriculture:</p> <p>xii. Construction of shoreline protection structures in coastal districts;</p> <p>xiii. Export of ash to other countries:</p> <p>xiv. Others (please specify):</p>	Not Applicable																
20.	<p>Summary:</p> <table border="1"> <thead> <tr> <th>Details</th><th>Quantity generated (MTPA)</th><th>Quantity utilised (MTPA) and (per cent)</th><th>Balance quantity (MTPA)</th></tr> </thead> <tbody> <tr> <td>Current ash during reporting period</td><td>3643.82</td><td>3643.82 & (100 %)</td><td>0</td></tr> <tr> <td>Legacy ash</td><td>0</td><td>0</td><td>0</td></tr> <tr> <td>Total</td><td>3643.82</td><td>3643.82 & (100 %)</td><td>0</td></tr> </tbody> </table>	Details	Quantity generated (MTPA)	Quantity utilised (MTPA) and (per cent)	Balance quantity (MTPA)	Current ash during reporting period	3643.82	3643.82 & (100 %)	0	Legacy ash	0	0	0	Total	3643.82	3643.82 & (100 %)	0	
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Legacy ash	0	0	0															
Total	3643.82	3643.82 & (100 %)	0															



21.	Any other information: Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to:- moefcc-coalash@gov.in	The unit does not have any ash pond.
22.	Signature of Authorised Signatory	 K Madhusoodan Unit Head

