

## Annexure


### Ash Compliance Report (for the period 1<sup>st</sup> April-31<sup>st</sup> March) to be submitted on or before 31<sup>st</sup> May.

Period: 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024

Sl. No.	Details											
1.	Name of Power Plant	Captive Co-generation Power Plant										
2.	Name of the company	Tata Chemicals Limited										
3.	District	Devbhumi Dwarka										
4.	State	Gujarat										
5.	Postal address for communication:	Tata Chemical Ltd, Mithapur, Dist. Devbhumi Dwarka, Pin 361345										
6.	E-mail:	<a href="mailto:onlinecpp@tatachemicals.com">onlinecpp@tatachemicals.com</a>										
7.	Power Plant installed capacity (MW):	125 MW										
8.	Plant Load Factor (PLF):	For captive use only										
9.	No. of units generated (MWh):	505780 MWh										
10.	Total area under power plant (ha):(including area under ash ponds)	captive power plant is located within existing chemicals complex										
11.	Quantity of coal consumption during reporting period (MetricTons per Annum):	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Fuel</td> <td style="text-align: right;">MT/Annum</td> </tr> <tr> <td>Coal</td> <td style="text-align: right;">603772</td> </tr> <tr> <td>Petcoke</td> <td style="text-align: right;">163894</td> </tr> <tr> <td>Biomass</td> <td style="text-align: right;">5232</td> </tr> <tr> <td>HSD/FO</td> <td style="text-align: right;">1704</td> </tr> </table>	Fuel	MT/Annum	Coal	603772	Petcoke	163894	Biomass	5232	HSD/FO	1704
Fuel	MT/Annum											
Coal	603772											
Petcoke	163894											
Biomass	5232											
HSD/FO	1704											
12	Average ash content in percentage (percent):	< 10 %										
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 ash generation: 1,05,696.45 Metric Tons per Annum (including fly ash and bottom ash)										
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	Existing										
15	Details of utilization of current ash generated during reporting period (a) Total quantity of current ash utilized (MTPA) during reporting period: (b) Quantity of fly ash utilized (MTPA): (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels) (ii) Cement manufacturing: (iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate:	(a) 1,05,696.45 Metric Tons per Annum (b) Utilized quantities: (i) 73,493.95 Metric Tons supplied to brick manufacturers (ii) 9,074 Metric Tons Captive Cement plant (vi) 23,128.50 Metric Tons for bund making in Captive Salt Works										

	<ul style="list-style-type: none"> <li>(vi) Construction of roads, road and fly over embankment:</li> <li>(vii) Construction of dams:</li> <li>(viii) Filling up of low lying area:</li> <li>(ix) Filling of mine voids:</li> <li>(x) Use in overburden dumps:</li> <li>(xi) Agriculture:</li> <li>(xii) Construction of shoreline protection structures in coastal districts;</li> <li>(xiii) Export of ash to other countries:</li> <li>(xiv) Others (please specify):</li> </ul> <p>(c) Quantity of bottom ash utilized (MTPA):</p> <ul style="list-style-type: none"> <li>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</li> <li>(ii) Cement manufacturing:</li> <li>(iii) Ready mix concrete:</li> <li>(iv) Ash and Geo-polymer based construction material:</li> <li>(v) Manufacturing of sintered or cold bonded ash aggregate:</li> <li>(vi) Construction of roads, road and flyover embankment:</li> <li>(vii) Construction of dams:</li> <li>(viii) Filling up of low lying area:</li> <li>(ix) Filling of mine voids:</li> <li>(x) Use in overburden dumps:</li> <li>(xi) Agriculture:</li> <li>(xii) Construction of shoreline protection structures in coastal districts:</li> <li>(xiii) Export of ash to other countries:</li> <li>(xiv) Others (please specify):</li> </ul> <p>Total quantity of current ash unutilized (MTPA) during reporting period:</p>	Utilization included in item 15 (a) and (b)
16.	Percentage utilization of current ash generated during reporting period (per cent):	100%
17.	<p>Details of disposal of ash in ash ponds</p> <ul style="list-style-type: none"> <li>(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31<sup>st</sup> March (excluding reporting period):</li> <li>(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):</li> <li>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m<sup>3</sup>):</li> </ul>	Not applicable

	<p>(d) Total number of ash ponds:</p> <ul style="list-style-type: none"> <li>(i) Active:</li> <li>(ii) Exhausted (yet to be reclaimed):</li> <li>(iii) Reclaimed:</li> </ul> <p>(e) total area under ash ponds (ha):</p>	
18.	<p>Individual ash pond details  <i>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</i></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 MMYYYY):</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 (m<sup>3</sup>):</p> <p>(e) quantity of ash disposed as on 31<sup>st</sup> 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> <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 (m<sup>3</sup>):</p> <p>(k) Last date when the dyke stability study was conducted and name of the organization who conducted the study:</p> <p>(l) Last date when the audit was conducted and name of the organization who conducted the audit:</p>	Not Applicable
19.	<p>Quantity of legacy ash utilized (MTPA):</p> <ul style="list-style-type: none"> <li>i. Fly ash based products (bricks or blocks or tiles or</li> </ul>	Not applicable

	fibre cement sheets or pipes or boards or panels): ii. Cement manufacturing: iii. Ready mix concrete: iv. Ash and Geo-polymer based construction material: v. Manufacturing of sintered or cold bonded ash aggregate: vi. Construction of roads, road and flyover embankment: vii. Construction of dams: viii. Filling up of low lying area: ix. Filling of mine voids: x. Use in overburden dumps: xi. Agriculture: xii. Construction of shoreline protection structures in coastal districts; xiii. Export of ash to other countries: Others (please specify):			
	Summary: Quantities in Metric Tons per Annum (MTPA)			
	Details	Quantity generated (MTPA)	Quantity utilized (MTPA) and (percent)	Balance quantity (MTPA)
20.	Current ash during reporting period	1,05,696.45 MTPA	1,05,696.45 MTPA and 100%	Nil
	Legacy ash	Nil	Nil	Nil
	Total	1,05,696.45 MTPA	1,05,696.45 MTPA and 100%	Nil
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	Captive Co-generation Power Plant		
22.	Signature of Authorized Signatory	 27.04.2024 Sanjeev Jain Assistant General Manager- Environment Management System Tata Chemicals, Mithapur (Gujarat)		