

o/c

# PPGCL

PRAYAGRAJ POWER GENERATION COMPANY LTD.

Ref: PPGCL/ENV/FY24/019

Date: 27.04.2023

To,  
Shri Pankaj Agrawal IFS  
Deputy Director General of Forests (C),  
Ministry of Environment, Forest and Climate Change  
Regional Office (CZ),  
Kendriya Bhawan, 5<sup>th</sup> Floor Sector "H", Aliganj  
Lucknow – 226020

**Subject:** Ash Compliance Report for period 1<sup>st</sup> Apr 2022 to 31<sup>st</sup> Mar 2023 for M/s Prayagraj Power Generation Company Limited, Bara, Prayagraj.

Dear Sir,

With reference to the above mentioned subject please find enclosed here with the Ash Compliance Report for M/s Prayagraj Power Generation Company Limited at Bara, Prayagraj.

This is for your kind information and record please.

Sincerely

For Prayagraj Power Generation Company Limited

  
S H Pandey

Chief Operation & Maintenance (Services)

Enclosure: Ash Compliance Report

Cc: i) Regional Director,

CPCB, Zonal Office (North), Lucknow, Uttar Pradesh

ii) Member Secretary

Uttar Pradesh Pollution Control Board, Lucknow, Pradesh

iii) Regional Officer

Uttar Pradesh Pollution Control Board, Prayagraj, Uttar Pradesh

iv) Director, Central Electricity Authority, CE & ET Division,

Sewa Bhawan, R.K.Puram, Sector-1, New Delhi-110 066



Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301  
Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107  
Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

**Ash Compliance Report (for the period 1<sup>st</sup> April 2022 – 31<sup>st</sup> March 2023)**

Sl. No.	Details	
1	Name of Power Plant	Prayagraj Power Generation Company Limited
2	Name of the company	Prayagraj Power Generation company Ltd.
3	District	Prayagraj
4	State	Uttar Pradesh
5	Postal address for communication:	P.O. Lohgara, Tehsil: Bara, Prayagraj (Allahabad), Uttar Pradesh – 212107
6	E-mail:	<a href="mailto:PPGCL@ppgcl.co.in">PPGCL@ppgcl.co.in</a>
7	Power Plant installed capacity (MW):	1980
8	Plant Load Factor (PLF):	72.13 %
9	No. of units generated (MWh):	12509990
10	Total area under power plant (ha): (Including area under ash ponds)	573.17
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	7636066.81
12	Average ash content in percentage (per cent):	34.23 %
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):	 2090877.0 522719.24
14	Capacity of dry fly ash storage silo(s) (Metric Tons):	62000
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): (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: (vi) Construction of roads, road and fly over 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: (xiv) Others (please specify): Ash pond repairing (c) Quantity of bottom ash utilised (MTPA): (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	 2295579.0  1526757.52 255.14 1526502.38 NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA


**Ash Compliance Report (for the period 1<sup>st</sup> April 2022 – 31<sup>st</sup> March 2023)**

	(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: (xiv) Others (please specify): Total quantity of current ash unutilised (MTPA) during reporting period:	NA NA NA NA 76806.08 NA 692015 NA NA NA NA NA NA NA NA NA 318017
16	Percentage utilisation of current ash generated during reporting period (per cent):	87.83 %
17	Details of disposal of ash in ash ponds (a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period): (b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons): (c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m <sup>3</sup> ): (d) Total number of ash ponds: (i) Active: (ii) Exhausted (yet to be reclaimed): (iii) Reclaimed: (e) total area under ash ponds (ha):	2269040 1086838.7 3706109.22 2 Nos. (1A & 1B) 1 Nos. (Ash Pond 2) 76.11
18	Individual ash pond details Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one) (a) Status: Under construction or Active or Exhausted or Reclaimed (b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY): (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) (c) area (hectares): (d) dyke height (m): (d) volume (m <sup>3</sup> ): (e) quantity of ash disposed as on 31st March (Metric Tons): (f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	Ash pond 1A&1B - Active Ash Pond 2- Intimated for stabilisation. 29 Feb 2016 Mar 2022 (Ash Pond 2 declared for stabilisation) 76.11 Total (1A,1B and 2 & Stilling pond) 1A- 5.5 m , 1B- 6 m , 2- 6.5 m 1A- 1254000, 1B- 1584000, 2-1540500 Ash Pond 1A- 717141(stock) Ash Pond 1B- 709895 (stock) Ash Pond 1A- 22.34 %, 206259 Ash Pond 1B- 40.24 %, 478105

**Ash Compliance Report (for the period 1<sup>st</sup> April 2022 – 31<sup>st</sup> March 2023)**

	<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 (g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD) (h) Ratio of ash: water in slurry mix (1:___): (i) Ash water recycling system (AWRS) installed and functioning: Yes or No (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>	<p>Ash Pond 1A &amp; 1B- 25 years</p> <table border="1"> <thead> <tr> <th>Lat.</th> <th>Long.</th> </tr> </thead> <tbody> <tr> <td>25°11'55.28"N</td> <td>81°38'29.15"E</td> </tr> <tr> <td>25°11'27.25"N</td> <td>81°38'17.34"E</td> </tr> <tr> <td>25°11'5.58"N</td> <td>81°38'11.45"E</td> </tr> <tr> <td>25°11'29.33"N</td> <td>81°38'39.82"E</td> </tr> </tbody> </table> <p>Ash Pond-1A &amp; 1B - HDPE Ash Pond-2 - HDPE MCSD</p> <p>1:3.41 Yes NA</p> <p>PPGCL has engaged IIT Kharagpur for ash pond stability study, which is in progress.</p> <p>Ash Compliance audit was done by J S Kamyotra (Former Director and Member Secretary of CPCB). Hence forth, audit will be conducted as per the CPCB OM IPC-II/TPP/CP-11/76/2022/1252 dated 06.03.2023.</p>	Lat.	Long.	25°11'55.28"N	81°38'29.15"E	25°11'27.25"N	81°38'17.34"E	25°11'5.58"N	81°38'11.45"E	25°11'29.33"N	81°38'39.82"E
Lat.	Long.											
25°11'55.28"N	81°38'29.15"E											
25°11'27.25"N	81°38'17.34"E											
25°11'5.58"N	81°38'11.45"E											
25°11'29.33"N	81°38'39.82"E											
<p>19</p>	<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>	<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>11,70,000 MT of ash in ash pond 2, has been declared for stabilisation. Intimation letter submitted to CPCB/UPPCB on 27.03.2023.</p>										

**Ash Compliance Report (for the period 1<sup>st</sup> April 2022 – 31<sup>st</sup> March 2023)**

20	Summary:			
	Details	Quantity Generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	2613596	2295579.08 (87.83%)	318017
	Legacy ash		11,70,000 (has been declared for stabilisation)	1099040
	<b>Total</b>		<b>3465579.08</b>	<b>1417057</b>
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: - moefcccoalash@gov.in		The soft copy of the annual compliance report will be e mailed	
22	Signature of Authorised Signatory		 S H Pandey Chief O&M Services	