

RELIAANCE

Rosa Power Supply  
Company Limited  
CIN: U3110MH1994PLC243148

Administrative Block, Hardoi Road,  
P.O. Rausar Kothi, Tehsil-Sadar,  
District – Shahjahanpur  
Uttar Pradesh 242 406

Tel: +91 05842 306600  
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www.reliancepower.co.in

Ref: RPSCL/ENV/04/2024/07

Date: 29.04.2024

To,  
The Member Secretary,  
Central Pollution Control Board  
Pickup Bhawan,  
Lucknow

**Sub: Annual Implementation /Compliance Report of Fly Ash Utilisation FY 2023-24  
(Stage I & II)**

Dear Sir,

With reference to the Environmental Clearance no J-13011/19/2005-IA (T) issued to us dated 14.03.2006 for Stage I & Environmental Clearance no J-13011/73/2007-IA.II (T) dated 20.07.2009 for Stage II and the Fly Ash Notification, 1999 and as amended thereafter, please find enclosed the updated Annual Implementation/ Compliance report for the Ash Utilisation for Stage I & II for the FY 2023-2024.

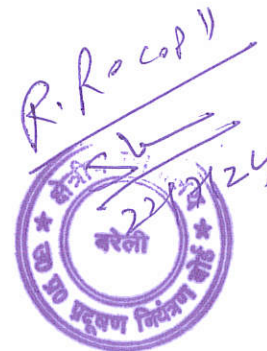
Hope you will find the same in order.

Thanking You,

For Rosa Power Supply Co. Ltd.

  
(Authorized Signatory)

- Cc: (I) Regional Officer, UPPCB Bareilly  
(II) Member Secretary, UPPCB Lucknow  
(III) Regional Officer MoEF, Lucknow  
(IV) Divisional Head- IPC-II, CPCB, Delhi





**Fly Ash Notification S.O. 5481(E), 31st December, 2021 and its amendments**  
**Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May**

Sl. No.	Details	Status
1.	Name of Power Plant	Rosa Thermal Power Plant
2.	Name of the company	Rosa Power Supply Company Limited
3.	District	Shahjahanpur
4.	State	Uttar Pradesh
5.	Postal address for communication:	Administrative Block, Hardoi Road, P.O. Rausar Kothi, Tehsil- Sadar, Shahjahanpur, UP 242 406
6.	E-mail:	<a href="mailto:Manohar.kumar@relianceada.com">Manohar.kumar@relianceada.com</a>
7.	Power Plant installed capacity (MW):	1200 MW (4x300MW)
8.	Plant Load Factor (PLF):	72.2%
9.	No. of units generated (MWh):	76,09,700
10.	Total area under power plant (ha): (including area under ash ponds)	610
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	46,60,705
12.	Average ash content in percentage (per cent):	36.13%
13.	Quantity of current ash generation during reporting period (Metric Tons per Annum): a) Fly ash (Metric Tons per Annum): b) Bottom ash (Metric Tons per Annum):	Total: 16,84,112 a) 13,47,290 b) 3,36,822
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	4x1000
15.	<p>Details of utilization of current ash generated during reporting period</p> <p>(a) Total quantity of current ash utilised (MTPA) during reporting period:</p> <p>(b) Quantity of fly 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 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>(a) 17,32,087</p> <p>(b) 11,88,933</p> <p>(i) 61,984</p> <p>(ii) 11,26,859</p> <p>(iii) 0</p> <p>(iv) 0</p> <p>(v) 0</p> <p>(vi) 0</p> <p>(vii) 0</p> <p>(viii) 0</p> <p>(ix) 0</p> <p>(x) 0</p> <p>(xi) 0</p> <p>(xii) 0</p> <p>(xiii) 0</p> <p>(xiv) 90 (Cenospheres)</p>





Sl. No.	Details	Status
	<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):</p> <p>Total quantity of current ash unutilized (MTPA) during reporting period:</p>	<p>(i) 0</p> <p>(ii) 0</p> <p>(iii) 0</p> <p>(iv) 0</p> <p>(v) 0</p> <p>(vi) 5,43,154</p> <p>(vii) 0</p> <p>(viii) 0</p> <p>(ix) 0</p> <p>(x) 0</p> <p>(xi) 0</p> <p>(xii) 0</p> <p>(xiii) 0</p> <p>(xiv) 0</p> <p>(xv) 0</p> <p>0</p>
16.	Percentage utilization of current ash generated during reporting period (per cent):	100%
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 31<sup>st</sup> March (excluding reporting period):</p> <p>(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):</p> <p>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m<sup>3</sup>):</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>	<p>a) 14,16,220</p> <p>b) 4,95,179</p> <p>c) 20,44,942</p> <p>d)</p> <p>i. 1 Pond with 2 lagoons</p> <p>ii. 0</p> <p>iii. 0</p> <p>e) 92.83</p>
18.	<p>Individual ash pond details:</p> <p><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 MM/YYYY):</p> <p>c) Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY):</p> <p>(Not applicable for active ash ponds)</p>	<p>a) Active (1 Pond with 2 lagoons)</p> <p>b) 12.03.2010</p> <p>c) NA</p>



**Fly Ash Notification S.O. 5481(E), 31st December, 2021 and its amendments**  
**Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May**

Sl. No.	Details	Status
	i. area (hectares): ii. dyke height (m): iii. volume (m <sup>3</sup> ):  d) quantity of ash disposed as on 31st March (Metric Tons):  e) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):  f) expected life of ash pond (number of years and months):  g) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)  h) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining i) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD) j) Ratio of ash: water in slurry mix (1:___):  k) Ashwater recycling system (AWRS) installed and functioning: Yes or No l) Quantity of wastewater from ash pond discharged into land or water body (m3): m) Last date when the dyke stability study was conducted and name of the organization who conducted the study:	i. NA ii. NA iii. NA  d) 19,11,399  e) 17.9% & 11,28,061 MT  f) Approx. 2 Yrs 8 Months  g) 1: 27°46'37" N and 79°56'30" E 2: 27°46'37" N and 79°56'48" E 3: 27°46'07" N and 79°57'14" E 4: 27°45'47" N and 79°56'49" E 5: 27°45'51" N and 79°57'05" E  h) HDPE i) Dry & wet slurry (LCSD) j) 1:5 k) Yes l) Nil m) 08.11.2023, V Engineering Consultants, Pune
19.	Quantity of legacy 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 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	i. 0 ii. 0 iii. 0 iv. 0 v. 0 vi. 0 vii. 0 viii. 0 ix. 0 x. 0 xi. 0 xii. 0





Fly Ash Notification **S.O. 5481(E)**, 31st December, 2021 and its amendments  
Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May

Sl. No.	Details	Status																								
	in coastal districts; xiii. Export of ash to other countries: Others (please specify):	xiii. NA																								
20.	<p>Summary (Quantity is in Metric Ton)</p> <table border="1"> <thead> <tr> <th>Details</th><th>Quantity generated (MT)</th><th>Quantity utilized (MT) and (per cent)</th><th>Balance quantity (MT)</th></tr> </thead> <tbody> <tr> <td>Current ash during reporting period- FY 2023-24</td><td>16,84,112</td><td>16,84,112 (100%)</td><td>0</td></tr> <tr> <td>Unutilized Ash of FY 2022-23</td><td>0</td><td>47,995 (2.85%)</td><td>83,520</td></tr> <tr> <td>Ash as on 31.03.2022 (Stored in operational ash pond)</td><td>0</td><td>0</td><td>12,84,725</td></tr> <tr> <td>Legacy ash</td><td>0</td><td>0</td><td>0</td></tr> <tr> <td><b>Total</b></td><td><b>16,84,112</b></td><td><b>17,32,087 (102.85%)</b></td><td><b>13,68,245</b></td></tr> </tbody> </table>	Details	Quantity generated (MT)	Quantity utilized (MT) and (per cent)	Balance quantity (MT)	Current ash during reporting period- FY 2023-24	16,84,112	16,84,112 (100%)	0	Unutilized Ash of FY 2022-23	0	47,995 (2.85%)	83,520	Ash as on 31.03.2022 (Stored in operational ash pond)	0	0	12,84,725	Legacy ash	0	0	0	<b>Total</b>	<b>16,84,112</b>	<b>17,32,087 (102.85%)</b>	<b>13,68,245</b>	
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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:- <a href="mailto:moefcccoalash@gov.in">moefcccoalash@gov.in</a>	Note for Compliance.																								
22.	<p>Signature of Authorized Signatory</p> <p>Name: Hirday Tomar Designation: Station Director (Rosa Power Supply Co Ltd)</p>	