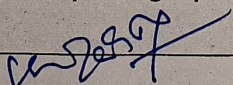
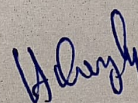


**Ash Compliance Report (for the period 1<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023)**

SN.	Details	
1.	Name of Power Plant	Thermal Power Plant
2.	Name of the company	M/s KSK Mahanadi Power Company Ltd.
3.	District	Janjgir-Champa
4.	State	Chhattisgarh
5.	Postal address for communication:	M/s KSK Mahanadi Power Company Ltd., Village-Nariyara, Tehsil-Akaltara, District- Janjgir,- Champa, Chhattisgarh, Pin-495553
6.	E-mail:	acharyulu.m@ksk.co.in; env.kmpcl@ksk.co.in
7.	Power Plant installed capacity (MW):	3x600 MW
8.	Plant Load Factor (PLF):	66.83 %
9.	No. of units generated (MWh):	10522345 MWh
10.	Total area under power plant (ha): (including area under ash ponds)	828.46 Ha.
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	68,23,056 MT
12.	Average ash content in percentage (per cent):	35.3 %
13.	Quantity of current ash generation during reporting period (Metric Tons per Annum):	24,05,591 MT
	Fly ash (Metric Tons per Annum):	21,65,031 MT
	Bottom ash (Metric Tons per Annum):	2,40,559 MT
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	2x3800 M3
15.	Details of utilisation of current ash generated during reporting period	
	(a) Total quantity of current ash utilised (MTPA) during reporting period:	24,05,591 MT



<b>(b) Quantity of fly ash utilised (MTPA):</b>	<b>21,65,032 MT</b>
(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	20,188 MT
(ii) Cement manufacturing:	13,61,096 MT
(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:	11,275 MT
(vii) Construction of dams:	--
(viii) Filling up of low lying area:	5,84,406 MT
(ix) Filling of mine voids:	1,88,067 MT
(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):	--
<b>(c) Quantity of bottom ash utilised (MTPA):</b>	<b>2,40,559 MT</b>
(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	--

*Ch. S. Rao*

*W. S. Rao*



**KSK MAHANADI POWER COMPANY LIMITED**

	bonded ash aggregate:	
	(vi) Construction of roads, road and fly over embankment:	9,116 MT
	(vii) Construction of dams:	--
	(viii) Filling up of low lying area:	1,97,397 MT
	(ix) Filling of mine voids:	34,046 MT
	(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):	--
	<b>Total quantity of current ash unutilised (MTPA) during reporting period:</b>	<b>0.0 MT</b>
16.	Percentage utilisation of current ash generated during reporting period (per cent):	100 %
17.	<b>Details of disposal of ash in ash ponds</b>	
	(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period) 2022:	3,04,996 MT
	(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	0.0 MT
	(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m3):	58248 m3
	(d) Total number of ash ponds: (i) Active: (ii) Exhausted (yet to be reclaimed):	2 nos. Active

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	(iii) Reclaimed:				
	(e) total area under ash ponds (ha):	66 Ha.			
	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>	Pond-1 (Fly ash storage)		Pond-2 (Bottom ash storage)	
	(a) Status: Under construction or Active or Exhausted or Reclaimed	Active		Active	
	(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	14.08.2013		14.08.2013	
	(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)	Active Not applicable		Active Not applicable	
	(c) area (hectares):	32.5Ha		33.5Ha.	
	(d) dyke height (m):	7.9m		11.3m	
	(d) volume (m3):	13,84000 m3		46,67000 m3	
	(e) quantity of ash disposed as on 31st March 2023 (Metric Tons):	49,227 MT		1,94,986 MT	
	(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	98% 24,50,773 MT		96% 44,75,014 MT	
	(g) expected life of ash pond (number of years and months):	Not Applicable 100% fly ash utilization has been achieved.		Not Applicable 100% bottom ash utilization has been achieved.	
	(e) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	21°57'17"N 82° 24'32"E	21°57'33"N 82°23'52"E	21°57'46"N 82° 24'57"E	21°57'42"N 82°23'22"E
		21°57'12"N 82° 23'13"E	21°57'41"N 82° 24'55"E	21°57'26"N 82° 23'15"E	21°57'42"N 82° 24'56"E

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*1st Deputy*



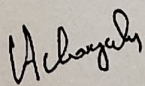
**KSK MAHANADI POWER COMPANY LIMITED**

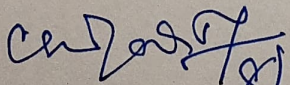
	(f) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	HDPE lining	HDPE lining
	g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	High Concentration Slurry Disposal System	Lean Slurry Disposal System
	(h) Ratio of ash: water in slurry mix (1:___):	1:0.538	1:2.3
	(i) Ash water recycling system (AWRS) installed and functioning: Yes or No	Not available	Available and in-operation
	(j) Quantity of wastewater from ash pond discharged into land or water body (m3):	Nil	Nil
	(k) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	Not conducted as dyke commissioned in 2013	Not conducted as dyke commissioned in 2013
	(l) Last date when the audit was conducted and name of the organisation who conducted the audit:	--	--
18.	Quantity of legacy ash utilised (MTPA):	61,010 MT	
	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:	1,556 MT	<i>A. Choudhary</i>

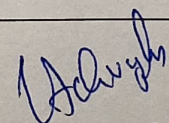
*C. S. S. S.*



**KSK MAHANADI POWER COMPANY LIMITED**

	vii. Construction of dams:		--	
	viii. Filling up of low lying area:		28,024 MT	
	ix. Filling of mine voids:		31,430 MT	
	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):		--	
19.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	24,05,591 MT	24, 05,591 MT (100%)	0.0
	Legacy ash	3,04,996 MT (Balance stocked as on 31 <sup>st</sup> Mar 2022)	61,010 MT (20%)	2,43,986 MT
	Total	27,10,587 MT	24,66,601 MT (102%)	2,43,986 MT
20.	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		Noted.	
21.	Signature of Authorised Signatory			

  
8/7/24  
**Prof. M. Chandra Sekhar**  
Director  
RGUKT-NUZVID  
Eluru District, A.P.-521 202

  
**For KSK Mahanadi Power Company Limited**  
Authorised Signatory