2x600 MW RAJIV GANDHI THERMAL POWER PLANT, KHEDAR (BARWALA), DISTT – HISAR.

Ash Generation & utilization Data Category-wise in compliance to MoEF & CC Notification Dated 25.01.2016.

Ending	Year	Pond Ash available at	Dry Fly Ash available a
Month		Ash ponds of RGTPP	Ash Silo's of RGTPP
		(In MT)	(In MT)
August	2017	45,47,827	33.50
September	2017	45,59,089	900
October	2017	45,85,598	0
November	2017	45,39,716	0
December	2017	45,66,964	700
January	2018	45,66,094	1800
February	2018	46,08,927	1400
March	2018	46,68,367	3200
April	2018	47,50,652	1700
May	2018	48,37,095	1450

XEN/Env.

AEE/Civil

2x600 MW RAJIV GANDHI THERMAL POWER PLANT, KHEDAR (BARWALA), DISTT – HISAR.

Ash Generation & utilization Data Category-wise in compliance to MoEF & CC Notification Dated 25.01.2016.

Ending	Year	Pond Ash available at	Dry Fly Ash available at
Month		Ash ponds of RGTPP	Ash Silo's of RGTPP
		(In MT)	(In MT)
June	2018	4869186	200
July	2018	4878210	200

SE/Civil

XEN/Env.

AEE/Civil

Name o	f the Power	Utility			Nam	e of the Thermal	Power Plar	nt (Capacit	y in MW)
Haryana Power Ge	neration Co	rporation Li	imited			RGTPP Kheda	ar , Hisar (2	2x600 MW)	
		Details	of ash utilization	on during tl	he Month of	August 2018			
Name of Ash Disposal Area	Ash disposal area in Hectare	Design Life of Ash disposal	MT (up to	during th	ne August		sh Utilization in MT during August 2018		Pond Ash Availibility in MT (up to 31.08.2018
	11001410	area	0110112010,	ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash	0110012010
Ash Dyke,RGTPP Khedar	78.4	up to 2021	4878140	12195	3049	12509	0	10875	4870000
	Haryana Power Ge	Name of Ash Disposal Area Ash disposal area in Hectare	Name of Ash Disposal Area Ash disposal area in Hectare Design Life of Ash disposal area area	Haryana Power Generation Corporation Limited Details of ash utilization Ash disposal area in Hectare Design Life of Ash Availibility in MT (up to 31.07.2018)	Haryana Power Generation Corporation Limited Details of ash utilization during to Details of ash utilization during to Details of Ash utilization during to Design Life of Ash Availibility in MT (up to 31.07.2018) ESP Fly Ash	Haryana Power Generation Corporation Limited Details of ash utilization during the Month of Ash Using the Month of Ash Disposal Area Ash disposal Area in Hectare Ash disposal area in Hectare Design Life of Ash Disposal area in Hectare Ash disposal area Ash Generated in MT during the August 2018 ESP Fly Bottom Ash Ash	Haryana Power Generation Corporation Limited Details of ash utilization during the Month of August 2018 Ash disposal area in Hectare Pond Ash Availibility in MT (up to 31.07.2018) Ash Generated in MT during the August 2018 ESP Fly Bottom Dry ESP Fly Ash Ash Ash Ash	Haryana Power Generation Corporation Limited Details of ash utilization during the Month of August 2018 Ash disposal area in Hectare Ash disposal area Ash disposal area Ash disposal area in Hectare Pond Ash Availibility in MT (up to 31.07.2018) ESP Fly Bottom Ash Ash Ash Ash Ash Ash Ash Ash	Haryana Power Generation Corporation Limited Details of ash utilization during the Month of August 2018 Ash disposal area in Hectare Ash disposal area area in Hectare Pond Ash disposal area in Hectare Ash disposal area Pond Ash Availibility in MT (up to 31.07.2018) ESP Fly Bottom Ash

Ash Utilization Details

Sr. No.	Area of Utilization		e month (Augus sh Utilized in M		Comm	ulative for year (FY 1 Ash Utilized in MT	7-18)
Sr. No.	Area or othization	Dry ESP Fly Ash	Bottom Ash	Pond Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash
1	Bricks/Blocks/Tiles Industries						
1 (A)	Dry ESP Fly Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	3117	0	0	52233	0	0
1 (B)	Pond Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	0	0	0	0	0	0
1 (C)	Fly Ash issued for Bricks/Blocks/ Tiles Industries in own plant						
	a) Dry ESP Fly Ash issued	0	0	0	0	0	0
	b) Pond Ash issued	0	0	0	0	0	0
	Sub Total	0	0	0	0	0	0
	Total Ash issued for Bricks/Blocks/Tiles Industries (1A+1B+1C)	3117	0	0	52233	0	0

2	Cement Industries						
2 (A)	Dry ESP Fly Ash issued to Cement Industries (Outside)						
	a) Cement	9199	0	0	193122	0	0
	b) RMC	194	0	0	1594	0	0
	c) Asbestos	0	0	0	0	0	0
	Sub Total	9393	0	0	194716	0	0
2 (B)	Pond Ash issued to Cement Industries	0	0	0	0	0	0
	Total Fly Ash issued to Cement Industries	9393	0	0	194716	0	0
3	Roads, Fly over/Rail Embankment						
3(A)	Dry ESP Fly issued for Road construction (outside)	0	0	0	0	0	0
3(B)	Pond Ash issued for Road construction (outside)	0	0	0	0	0	0
	Total Fly Ash issued for Road Construction (3A+3B)			0			0
4	Total Fly Ash issued for Part replacement of cement in concrete	0	0	0	0	0	0
5	Total Fly Ash supplied to hydro power sector	0	0	0	0	0	0
6	Total Fly ash used for Ash Dyke raising	0	0	0	0	0	0
7	Land fill/Reclaimation of low lying area						

	a) Power Utility Own Land	0	0	0	0	0	0
	b) out side land	0	0	10875	0	0	42975
	Total Fly Ash used for Landfill/Reciaimation of low typing area	0	0	10875	0	0	42975
8	Mine filling		-	-		-	
	a)Open cast more	0	0	0	0	0	0
	b)U.G Mine	0	0	0	0	0	0
	Total Fly Ash used fore mine filling	0	0	0	0	0	0
9(A)	Dry ESP Fly Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
9(B)	Pond Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
	Total Fly Ash issued to Agriculture/wast land Dovelopment(9A+9B)	0	0	0	0	0	0
10	Others						
	a) CLSM	0	0	0	0	0	0
	b) Carioachares	0	0	0	0	0	0
	C)Bottom Ash cover	0	0	0	0	0	0
	d)any Other	0	0	0	0	0	0
	Total Fly Ash issued for other purpose	0	0	0	0	0	0
	Grand Total	12510		10875	246949		42975

XEN / Env & Ash Utlz, RGTPP, HPGCL, Khedar

	Name of	f the Power	Utility			Name	e of the Thermal	Power Plan	nt (Capaci	ty in MW)
	Haryana Power Ger	neration Co	rporation Li	mited			RGTPP Kheda	ar , Hisar (2	2x600 MW))
			Details of	ash utilization	during the	Month of S	eptember 2018			
Sr. No.	Name of Ash Disposal Area	Ash disposal area in Hectare	Design Life of Ash disposal	Pond Ash Availibility in MT (up to 31.08.2018)	durir	rated in MT ng the ber 2018	Ash Utilizati Septe	ion in MT d mber 2018	_	Pond Ash Availibility in MT (up to 30.09.2018
		110010110	area	0110012010,	ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash	00:00:20:10
1	Ash Dyke,RGTPP Khedar	78.4	up to 2021	4870000	45076	11269	24528	0	9875	4891942

Ash Utilization Details

Sr. No.	Area of Utilization		month (Setemb sh Utilized in M	-	Comm	ulative for year (FY 1 Ash Utilized in MT	7-18)
31.140.	Alea of othization	Dry ESP Fly Ash	Bottom Ash	Pond Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash
1	Bricks/Blocks/Tiles						
'	Industries						
	Dry ESP Fly Ash issued to						
1 (A)	Bricks/Blocks/ Tiles Industries	6951	0	0	59184	0	0
	(Outside)						
4 (D)	Pond Ash issued to	0		0		0	0
1 (B)	Bricks/Blocks/ Tiles Industries	0	0	0	0	0	0
	(Outside)						
1 (C)	Fly Ash issued for						
1 (C)	Bricks/Blocks/ Tiles						
	Industries in own plant						
	a) Dry ESP Fly Ash issued	0	0	0	0	0	0
	b) Pond Ash issued	0	0	0	0	0	0
	Sub Total	0	0	0	0	0	0
	Total Ash issued for Bricks/Blocks/Tiles Industries (1A+1B+1C)	6951	0	0	59184	0	0
2	Cement Industries						

2 (A)	Dry ESP Fly Ash issued to Cement Industries (Outside)						
	a) Cement	17324	0	0	210446	0	0
	b) RMC	253	0	0	1847	0	0
	c) Asbestos	0	0	0	0	0	0
	Sub Total	17577	0	0	212293	0	0
2 (B)	Pond Ash issued to Cement Industries	0	0	0	0	0	0
	Total Fly Ash issued to Cement Industries	17577	0	0	212293	0	0
3	Roads, Fly over/Rail Embankment						
3(A)	Dry ESP Fly issued for Road construction (outside)	0	0	0	0	0	0
3(B)	Pond Ash issued for Road construction (outside)	0	0	0	0	0	0
	Total Fly Ash issued for Road Construction (3A+3B)			0			0
4	Total Fly Ash issued for Part replacement of cement in concrete	0	0	0	0	0	0
5	Total Fly Ash supplied to hydro power sector	0	0	0	0	0	0
6	Total Fly ash used for Ash Dyke raising	0	0	0	0	0	0
7	Land fill/Reclaimation of low lying area						
	a) Power Utility Own Land	0	0	0	0	0	0
	b) out side land	0	0	9875	0	0	52850

	Total Fly Ash used for Landfill/Reciaimation of low typing area	0	0	9875	0	0	52850
8	Mine filling						
	a)Open cast more	0	0	0	0	0	0
	b)U.G Mine	0	0	0	0	0	0
	Total Fly Ash used fore mine filling	0	0	0	0	0	0
9(A)	Dry ESP Fly Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
9(B)	Pond Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
	Total Fly Ash issued to Agriculture/wast land Dovelopment(9A+9B)	0	0	0	0	0	0
10	Others						
	a) CLSM	0	0	0	0	0	0
	b) Carioachares	0	0	0	0	0	0
	C)Bottom Ash cover	0	0	0	0	0	0
	d)any Other	0	0	0	0	0	0
•	Total Fly Ash issued for other purpose	0	0	0	0	0	0
	Grand Total	24528		9875	271477		52850

XEN / Env & Ash Utlz, RGTPP, HPGCL, Khedar

,		Name o	f the Power	Utility			Nam	e of the Thermal	Power Plan	nt (Capacit	y in MW)
	9.9	Haryana Power Ge	neration Co	rporation L	imited	y		RGTPP Khed	ar, Hisar (2x600 MW)
				Details	of ash utilizatio	on during tl	ne Month of	October 2018			
	Sr. No.	Name of Ash Disposal Area	Ash disposal area in Hectare	Design Life of Ash disposal	Pond Ash Availibility in MT (up to 31.09.2018)	during th	rated in MT le October 018	Ash Utilization i	2018	* .	Pond Ash Availibility in MT (up to 31.10.2018
				- urou		ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash	, ,
	1	Ash Dyke,RGTPP Khedar	78.4	up to 2021	4891942	152584	38146	83576	0	12875	4986221
	Ash Util	lization Details									
	Sr. No.	Area of Utilization			month (Octobe sh Utilized in N			Comn	nulative for Ash Utilize		8-19)
	Sr. No.	Area of Othization	Dry ESP	Fly Ash	Bottom Ash	Pone	d Ash	Dry ESP Fly Ash	Bottor	m Ash	Pond Ash
	1	Bricks/Blocks/Tiles Industries									
	1 (A)	Dry ESP Fly Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	168	395	0		0	76079	()	0
	1 (B)	Pond Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	()	0		0	0	()	0
	1 (C)	Fly Ash issued for Bricks/Blocks/ Tiles Industries in own plant			. ,			, .			
	-	a) Dry ESP Fly Ash issued	()	0		0	0	()	0
		b) Pond Ash issued	. ()	0		0	0	()	0
		Sub Total	()	0		0	0	()	0
		Total Ash issued for Bricks/Blocks/Tiles Industries (1A+1B+1C)	168	395	0		0	76079	()	0
	2	Cement Industries									

2 (A)	Dry ESP Fly Ash issued to Cement Industries (Outside)						
	a) Cement	65834	0	0	276280	0	0
	b) RMC	847	0	0	2694	0	0
	c) Asbestos	0	0	0	0	0	0
v.	Sub Total	66681	0	0	278974	0	0
2 (B)	Pond Ash issued to Cement Industries	0	0	0	0	0	0
	Total Fly Ash issued to Cement Industries	66681	0	0	278974	0	0
3	Roads, Fly over/Rail Embankment						
3(A)	Dry ESP Fly issued for Road construction (outside)	0	0	0	0	0	0
3(B)	Pond Ash issued for Road construction (outside)	0	0	0	0	0	0
	Total Fly Ash issued for Road Construction (3A+3B)			0			0
4	Total Fly Ash issued for Part replacement of cement in concrete	0	0	0	0	0	0
5	Total Fly Ash supplied to hydro power sector	0	0	0	0	0	0
6	Total Fly ash used for Ash Dyke raising	0	0	0	0	0	0
7	Land fill/Reclaimation of low lying area						
- 1	a) Power Utility Own Land	0	0	0	• 0	0	. 0
	b) out side land	0	0	12875	0	0	65725

L	Grand Total	83576		12875	355053		65725
	Total Fly Ash issued for other purpose	0	0	0	0	0	0
	d)any Other	0	0	0	0	0	0
	C)Bottom Ash cover	0	0	0	0	0	0
	b) Carioachares	0	0	0	0	. 0	0
	a) CLSM	0	0	0	0	0	0
10	Others						
	Total Fly Ash issued to Agriculture/wast land Dovelopment(9A+9B)	0	0	0	0	0	0
9(B)	Pond Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
9(A)	Dry ESP Fly Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
	Total Fly Ash used fore mine filling	0	0	0	0	0	0
	b)U.G Mine	0	0	0	0	0	0
	a)Open cast more	0	0	0	0	0	0
8	Mine filling						
	Total Fly Ash used for Landfill/Reciaimation of low typing area	0	0	12875	0	0	65725

XEN LENV & Ash Utlz, RGTPP, HPGCL, Khedar

	Name	of the Power	Utility		Name of the Thermal Power Plant (Capacity in MW)							
	Haryana Power G	eneration Co					RGTPP Khedar	, Hisar (2x6	(WM 00			
			Details of	ash utilization	during the	Month of No	ovember 2018					
Sr. No.	o. Name of Ash Disposal Area	Ash disposal area in	Design Life of Ash disposal	Pond Ash Availibility in MT (up to 31.10.2018)	Ash General during the 20	November	Ash Utilization in MT during November 2018		ring	Pond Ash Availibility in MT (up to 30.11.2018		
		Hectare	area		ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash	1		
1	Ash Dyke,RGTPP Khedar	78.4	up to 2021	4986292	100027	25007	53044	0	10150	5048130		
Ash Ut	ilization Details						Cun	amulative fo	or year (F	V 18-19\		
			For the month (Novembe <u>r</u> 2018) Ash Utilized in MT					Cummulative for year (FY 18-19) Ash Utilized in MT				
ir. No.	Area of Utilization	Dry ESP Fly Ash				nd Ash	Dry ESP Fly Ash	Bot	tom Ash	Pond As		
1	Bricks/Blocks/Tiles Industries				٠.			-		-		
(A)	Dry ESP Fly Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	76	52	0		0	83731		0	0		
(B)	Pond Ash issued to Bricks/Blocks/ Tiles Industries (Outside)	() .	0		0	. 0		0			
(c)	Fly Ash issued for Bricks/Blocks/ Tiles Industries in own plant							-				
-	a) Dry ESP Fly Ash issued	C)	0		0	0		0			
+	b) Pond Ash issued	C)	0		0	0		0			
\top	Sub Total	0		0		0	0	3.70	0			
	Total Ash issued for Bricks/Blocks/Tiles Industries (1A+1B+1C)	76	52	0		0	837	31	. (0		

2	Cement Industries				-		+	7
2 (A) Dry ESP Fly Ash issued to Cement Industries (Outside)					0	1 0	\dashv
	a) Cement	44986	0	0	321266	0	 	\neg
	b) RMC	406	o	0	3100	0	0	
	c) Asbestos	0	0	0	0	0	0	
	Sub Total	45392	0	0	324366	0		0
2 (B)	Pond Ash issued to Cement Industries	0	0	0	0	0		0
	Total Fly Ash issued to Cement Industries	45392	0	0	324366	0		0
3	Roads, Fly over/Rail Embankment							
(A)	Dry ESP Fly issued for Road construction (outside)	0	0	0	0		0	0
(B)	Pond Ash issued for Road construction (outside)	0	0	0	0		0 /	0
	Total Fly Ash issued for Road Construction (3A+3B)			0	1.00			0
	Total Fly Ash issued for Part replacement of cement in concrete	0	0	0			0	0
T	Total Fly Ash supplied to hydro power sector	0	0	0		0	0	0
	Total Fly ash used for Ash Dyke raising	0	0	0		0	0 .	0
T	Land fill/Reclaimation of low lying area							1 0
\top	a) Power Utility Own Land	0	0	0		0	0	7587
\top	b) out side land	0	0	10150		0	0	1, 1,281
La	Total Fly Ash used for indfill/Reclaimation of low typing area	0	0	10150).	0	0	758

4622016	other purpose Grand Total	53044		10150	408097		7587
	Total Fly Ash issued for	0	0	0	0	0	0
	d)any Other	0	0 .	0	0	0	0
\perp	C)Bottom Ash cover	0	- 0	0	0	0	0
	b) Carioachares	0	0	0	0	0	0
	a) CLSM	0	0	0	0	0	0
10	Others						
i de la companya de l	Total Fly Ash issued to Agriculture/wast land Dovelopment(9A+9B)	0	0	0	0	0	0
9(B)	Pond Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
9(A)	Dry ESP Fly Ash issued for Agriculture/wast land Dovelopment	0	0	0	0	0	0
	filling	0	0	0	0	0	0
This con-	b)U.G Mine Total Fly Ash used fore mine	0	0	0	0	0	0
	a)Open cast more	0	0	0	0	0	0
	Mine filling						

short

XEN / CMD-I, RGTPP, HPGCL, Khedar

	Name of		Name of the Thermal Power Plant (Capacity in MW) RGTPP Khedar , Hisar (2x600 MW)								
	Haryana Power Gen	eration Cor						, Hisar (2x6	l (MW)		
			Details of	ash utilization	during the	Month of De	cember 2018				
Sr. No.	Name of Ash Disposal Area	Ash disposal area in	Design Life of Ash disposal	Life of Availibility in Ash MT (up to		ated in MT December 18	Ash Utilization in MT December 201		iring	Pond Ash Availibility in MT (up to 31.12.2018	\
		Hectare	area	30.11.2018)	ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash	Bottom Ash	Pond Ash	\	7
1	Ash Dyke,RGTPP Khedar	78.4	up to 2021	5048130	107899	26975	64177	0	15000	5103828	\perp
Ash Util	ization Details						Cun	nmulative f	or vear (F	Y 18-19)	\dashv
	>		For the	moṇth (Decen sh Utilized in	nber 2018) MT		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ash Utilized in MT			
Sr. No.	Area of Utilization	Dry ES				nd Ash	Dry ESP Fly Ash	Во	ttom Ash	Pond A	sh
1	Bricks/Blocks/Tiles									_	
1 (A)	Industries Dry ESP Fly Ash issued to Bricks/Blocks/ Tiles Industries	20213		0		0	103944		0		1
1 (B)	(Outside) Pond Ash issued to Bricks/Blocks/ Tiles Industries (Outside)		0	0		0	0	-	0		0
1 (C)	Fly Ash issued for Bricks/Blocks/ Tiles Industries in own plant							_	0		0
-+	a) Dry ESP Fly Ash issued		0	0		0	0	-+			0
-+	b) Pond Ash issued		0	0		0	0		0		
\dashv	Sub Total		0	0		0	(-			
	Total Ash issued for Bricks/Blocks/Tiles Industries (1A+1B+1C)		20213	0		0	103	944		0	

2	Cement Industries						
2 (A)	Dry ESP Fly Ash issued to Cement Industries (Outside)						
	a) Cement	43384	0	0	364650	0	0
	b) RMC	580	0	. 0	3680	0	0
	c) Asbestos	0	0	. 0	0	0.	0
	Sub Total	43964	0	0	368330	0	0
2 (B)	Pond Ash issued to Cement Industries	0	0	0	0	0	0
	Total Fly Ash issued to Cement Industries	43964	0	0	368330	0	0
3	Roads, Fly over/Rail Embankment						
(A)	Dry ESP Fly issued for Road construction (outside)	0	0	0	0	0	0
(B)	Pond Ash issued for Road construction (outside)	0	0	0	0	0	0
	Total Fly Ash issued for Road Construction (3A+3B)			0			0
	Total Fly Ash issued for Part replacement of cement in concrete	0	0	0	0	0	0
To	otal Fly Ash supplied to hydro power sector	0	0	0	0	0	0
New Day	Total Fly ash used for Ash Dyke raising	0	0	0	0	0	0
1	Land fill/Reclaimation of low lying area				1 0	1 0	0
	a) Power Utility Own Land	0	0	0	0	0	90875
	b) out side land	0	0	15000	U .	9	1
La	Total Fly Ash used for andfill/Reciaimation of low typing area	0	0	15000	0	0	9087

20 43 to on 55 to 50 to

8	Mine filling			0	0	0	0
°	a)Open cast more	0	0	0	0	0	0
	b)U.G Mine	0	0	0	0	0	0
	Total Fly Ash used fore mine filling	0	0		0	0	0
9(A)	Dry ESP Fly Ash issued for Agriculture/wast land	0	0	0			1
5(,,)	Dovelopment Pond Ash issued for		0	0 .	0	0	0
9(B)	Agriculture/wast land Dovelopment	. 0	1		0	0	0
	Total Fly Ash issued to Agriculture/wast land Dovelopment(9A+9B)	0	0	0		0	0
10	Others			0	0	1 0	0
	a) CLSM	0	- 0	0	0	1 0	~ 0
	b) Carioachares	0	1 0	0	0	+	1 0
	C)Bottom Ash cover	-1 U		0	\ 0	0	\
	d)any Other	0	0		0	0	0
-+	Total Fly Ash issued for	0	0	0	1	1,000 (0.00	9087
	other purpose Grand Total	64177		15000	472274		

plans

XEN / CMD-I, RGTPP, HPGCL, Khedar