

Addendum to report of Joint Committee regarding implementation of action plan to achieve 100% fly ash utilisation.

Table: Status of Action Plan submitted by non-compliant Thermal Power Plants to achieve 100% fly ash utilisation

S.N.	Name of TPS	Installed capacity	% Fly ash utilisation		Time frame to achieve 100% fly ash utilisation		Remarks
			2017-18	2018-19	2019-20	2020-21	
1	Bhusawal Thermal Power Station	1210.00	85.5	95.44	100		Refer main report at S.N. 40. Action plan annexed
2	The Durgapur Projects Limited	550.00	94	87	100		Action plan annexed
3	Khaperkheda Power Station, Mahagenco	1340	28.8	14.24	55.89	108	Refer main report at S.N. 80. Action plan annexed
4	Koradi Thermal Power Station, Mahagenco	2400	13.11	29.18	56	100	Refer main report at S.N. 81. Action plan annexed
5	MB Power, Annuppur	1200	48.66	103.6	100		Action plan already submitted in the meeting dated 18.04.2019 of Joint Committee. Correction at S.N. 83 of main report. Action plan annexed
6	Mettur Thermal Power station	840	56	81.7	100		Refer main report at S.N. 96. Action plan annexed
7	North Chennai Thermal Power Station Stage – I	630	39.4	66.3	94.9	100	Refer main report at S.N. 96. Action plan annexed
8	North Chennai Thermal Power Station Stage – II	1200	75.9	97.8	100		Refer main report at S.N. 96. Action plan annexed
9	Rosa Power Supply Co Ltd.	1200	76	116	100		Refer main report at S.N. 43. Action plan annexed

10	TAQA Nayveli Power Company Pvt. Ltd.	250	97	90.9	100		Refer main report at S.N. 20. Action plan annexed
11	Tenughat Thermal Power Station	420	94.9	130	100		Refer main report at S.N. 49. Action plan annexed Action plan annexed
12	TRN Energy Pvt. Ltd.	600	76	92.8	100		Refer main report at S.N. 48. Action plan annexed

Ash Utilization Action Plan

1. Name of the Unit: Bhusawal Thermal Power Station
2. Power Generation Capacity: 1210 MW
3. Fly Ash generation and utilization in previous two years (2017-18 & 2018-19).

FY Year	Ash generation (MT)	Ash utilization (MT)	Ash utilization (%)
2017-18	1737336.42	1486125.43	85.54
2018-19	1755619.00	1675630.03	95.44

4. Fly Ash generation and utilization in 2019-20

S.N.	Description	Unit	Q1	Q2	Q3	Q4 *	Total Fly Ash Utilization in FY 2019-20
A	Ash Generation (Fly Ash + Bed Ash)	MT	468352.79	430859.03	455313.86	405000	1759526
B	Ash Utilization	MT					
i)	Brick Manufacturing (SSI)	MT	38217.40	44168.70	35840.30	30000	148226.40
ii)	Ready Mix Concrete/Cement Industries	MT	228398.52	201020.22	249141.36	220000	898560.10
iii)	Low Lying Area Filling / Area Development	MT	-	-	-		
iv)	Road Construction	MT	-	-	32998	45000	77998
v)	Filling of abandoned stone quarry	MT	-	-	-		
vi)	Mines void filling	MT	-	-	-		
vii)	Agriculture Utilization	MT	7770	8939	4228	4000	24937
viii)	If any Other (Bricks from Pond Ash)	MT	29295	30191	143731	130000	333217
	If any Other (Ash Dyke raising)	MT	141365	135387	-	-	276752
	Total Ash Utilization	MT	445045.92	419705.92	465938.65	429000	1759691
C	Ash Utilization percentage	%	95.02	97.41	102.33	105.92	100.00

* Projections for FY 2019-2020, Q4 as per expected coal consumption.

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Phone no.: 8411956730


 for
 Ex. Engineer (Tech.)
 M.S.P.G.C.L., BT.P.S.,
 Deepnagar-425307

Format for Ash Utilization Action Plan

1. Name Of the unit : The Durgapur Projects Limited
2. Power generation capacity : 550MW
3. Fly ash generation and utilization in previous two years(2017-18 and 2018-19):

Year	Fly ash generation(MT)	Fly ash Utilization(MT)	% utilization
2017-18	604743	567869	94
2018-19	653850	570720.43	87.29

4. Fly ash utilization Action Plan(Quarter wise): All Data are provisional.

S.N	Description	Unit	Q1	Q2	Q3	Q4	Total fly ash utilization in FY(2019-20)
A	Ash Generation(Fly ash+Bed ash)	MT	210368	134890	167919	137600	650777
B	Ash Utilization						
I	Brick manufacturing	MT	13667	6465	22	9000	29154
ii	Ready mix concrete	MT	--	--			
iii	Low lying area filling/Area development	MT	30662	11483	15111	32467	89723
iv	Road construction	MT	--	--	--	--	--
V	Filling of abandoned stone quarry	MT	--	--	--	--	--
Vi	Mines void filling	MT	--	--	--	--	--
Vii	Agriculture utilization	MT	--	--	--	--	--
Viii	If any other area specify- Cement manufacturing industries	MT	143010	112987	130903	145000	531900
	Total ash Utilization	MT	187339	130935	146036	186467	650777
C	Ash utilization percentage	%	89	97	87	135	100

Signature

The DPL is trying to increase ash utilization by taking following steps-

1. The DPL has issued the work orders to different cement manufacturing units for a quantity of 73600 MT/Month for lifting of dry fly ash from our silos but actual collection of dry fly ash at silos are much lower than the order quantity.
2. The DPL has also issued the work orders to different bricks manufacturing units for a quantity of 8000 MT/Month for lifting of fly ash.
3. We have planned for filling up low lying areas of our colony area for land development.
4. A good quantity of ash will be utilized in near future through our own coal mines filling.

Name of authorized Person

: G.C.Naskar

Signature

:



Sr. Manager (Environment)

Email id

: envcelldpl@gmail.com

The Durgapur Projects Limited
Durgapur

Phone No.

: 9434712934



Format for Ash Utilisation Action Plan

1. Name of the unit : Khaperkheda Power Station, Khaperkheda
2. Power Generation Capacity: 4x210 MW and 1x500 MW
3. Fly ash generation and utilisation in previous two years(2017-18 and 2018-19)
Fly ash generation in the year 2017-18 is 2192428.79 MT and YEAR 2018-19 is 2995229.66 MT
Fly Ash utilisation in the year 2017-18 is 632908.77 MT (28.87%) and in year 2018-19, is 383757.97 MT (14.24%)
4. Fly ash utilisation action plan (quarter wise)* 2020-21

S.N.	Description	Unit	Q1	Q2	Q3	Q4	Total
A	Ash Generation (Fly Ash+ Bed Ash)	MT	718950.56	554000	740500	775200	2788650.56
B	Ash Utilisation	MT					
i)	Brick Manufacturing	MT	175700	155700	224150	264760	820310
ii)	Ready Mix Concrete	MT	Nil	Nil	Nil	Nil	Nil
iii)	filling/Area Development	MT	Nil	Nil	Nil	Nil	Nil
iv)	Road Construction	MT	1500	1700	2000	2200	7400
v)	Filling of abandoned stone quarry	MT	Nil	Nil	Nil	Nil	Nil
vi)	Mines void filling	MT	Nil	Nil	Nil	Nil	Nil
vii)	Agriculture Utilisation	MT	Nil	Nil	Nil	Nil	Nil
viii)	If any other area (specify - Bund Ash)	MT	600000	400000	600000	600000	2200000
	Total Ash Utilisation	MT	777200	557400	826150	866960	3027710
C	Ash Utilisation percentage	%	108.10	100.61	111.57	111.84	108.57

Name of Authorised Person
Signature
E-mail id
Phone no
*Note


Chief Engineer, Khaperkheda TPS

cegenkpd@mahagenco.in
(07113)268168

TPP having fly ash utilisation less than 85% will be given two years time period and TPP having utilisation more than 85% will be given one year time period to achieve 100% fly ash utilisation.

Note:

For achieving 100% fly ash utilisation action plan is enclosed.

Format for Ash Utilisation Action Plan

1. Name of the unit : Khaperkheda Power Station, Khaperkheda
2. Power Generation Capacity: 4*210 MW And 1*500 MW
3. Fly ash generation and utilisation in previous two years(2017-18 and 2018-19)
 Fly ash generation in the year 2017-18-2192428.79 MT AND YEAR 2018-19 is 2995229.66 MT
 Fly Ash utilisation in the year 2017-18 is 632908.77 MT (28.87%) And in year 2018-19 is 383757.97 MT (14.24%)
4. Fly ash utilisation action plan (quarter wise)*2019-20

S.N.	Description	Unit	Q1(actual)	Q2(actual)	Q3(actual) upto Nov	Q4	Total
A	Ash Generation (Fly Ash+ Bed Ash)	MT	718950.9	619367.79	276687.42	775200	2390206.11
B	Ash Utilisation	MT					
i)	Brick Manufacturing	MT	86785.01	68548	64390	150000	369723.01
ii)	Ready Mix Concrete	MT	Nil	Nil	Nil	Nil	Nil
iii)	Low Lying area filling/Area	MT	Nil	Nil	Nil	Nil	Nil
iv)	Road Construction	MT	Nil	Nil	200	1500	1700
v)	Filling of abandoned stone quarry	MT	Nil	Nil	Nil	Nil	Nil
vi)	Mines void filling	MT	Nil	Nil	Nil	Nil	Nil
vii)	Agriculture Utilisation	MT	Nil	Nil	Nil	Nil	Nil
viii)	If any other area (specify - Bund Ash)	MT	42447	80713	201300	640000	964460
	Total Ash Utilisation	MT	129232.01	149261	265890	791500	1335883.01
C	Ash Utilisation percentage	%	17.98	24.10	96.10	102.10	55.89

Name of Authorised Person **Chief Engineer, Khaperkheda TPS**

Signature

E-mail id: cegenkpkd@mahagenco.in

Phone no:(07113)268168

*Note

TPP having fly ash utilisation less than 85% will be given two years time period and TPP having utilisation more than 85% will be given one year time period to achieve 100% fly ash utilisation

Note:

For achieving 100% fly ash utilisation action plan is enclosed.

KTPS/CE (O&M)/FAU/Action plan/2019-20/01012019/203055 Date: 02 JAN 2020

To.

1. **Dr. S.K. Paliwal**
Scientist – D
IPC-II,
Central Pollution Control Board,
East Arjun Nagar, Delhi- 110032
Email: sanjeevpaliwal.cpcb@nic.in ,
Kind attn: Nazimuddin, Divisional Head-IPC-II, CPCB, DELHI, email- nazim.cpcb@nic.in

2. **The Chief Engineer,**
Central Electricity Authority,
9th floor, North wing, Sewa Bhavan, R.K. Puram, New Delhi-1100066
Email: tcdcea@nic.in

Sub: - Submission of revised Action Plan to achieve 100% fly ash utilisation by TPP'S-reg.
Ref: - Your email received by this office dtd 01.01.2020

With reference to above subject matter, please find enclosed herewith fly ash utilisation Action Plan for FY 2019-20 & FY 2020-21.


Chief Engineer (O&M)
3x660mw, KTPS, Koradi

Encl: - 1. Format to supply information – As per Annexure-I.

Annexure-I
Ash Utilization Action Plan

1. Name of the unit: Koradi Thermal Power Station
2. Power Generation Capacity: 3x660MW & 2X210MW (Total-2400MW)
3. Fly Ash Generation and utilization in previous two years (2017-18 and 2018-19):

Financial Year	Ash Generation (MT)	Ash Utilization (MT)	Ash Utilization (%)
FY 2017-18	2710709	355327	13.11
FY 2018-19	2651701	775245	29.18

4. Fly Ash Utilization Action Plan for FY 2019-20

Sr. No.	Description	Unit	Q1	Q2	Q3	Q4 *	Total Fly Ash Utilization in FY 2019-20
A	Ash Generation (Fly ash + Bottom Ash)	MT	721304	487453	674461	1099135	2982353
B	Ash Utilization	MT					
i)	Brick Manufacturing	MT	9914	18044	117726	399800	545484
ii)	Ready Mix Concrete	MT	0	0	0	0	0
iii)	Low lying area filing/area development	MT	0	0	0	0	0
iv)	Road Construction	MT	231170	14863	79988	498600	824621
v)	Filling of abandoned stone quarry	MT	0	0	0	0	0
vi)	Mines void filling	MT	0	0	0	0	0
vii)	Agriculture utilization	MT	0	0	0	0	0
viii)	Cement Industries	MT	0	0	0	0	0
ix)	Ash Dyke Construction	MT	0	0	116533	183900	300433
	Total Ash Utilization	MT	241084	32907	314247	1082300	1670538
C	Ash utilization Percentage	%	33.42	6.75	46.59	98.47	56.01

5. Fly Ash Utilization Action Plan for FY 2020-21

Sr. No.	Description	Unit	Q1*	Q2*	Q3*	Q4 *	Total Fly Ash Utilization in FY 2020-21
A	Ash Generation (Fly ash + Bottom Ash)	MT	1104654	1030230	1196131	1159104	4490119
B	Ash Utilization	MT					
i)	Brick Manufacturing	MT	523400	404250	546900	612500	2087050
ii)	Ready Mix Concrete	MT	30000	30000	30000	30000	120000
iii)	Low lying area filing/area development	MT	0	0	0	0	0
iv)	Road Construction	MT	321250	455700	448250	504880	1730080
v)	Filling of abandoned stone quarry	MT	0	0	0	0	0
vi)	Mines void filling	MT	0	0	0	0	0
vii)	Agriculture utilization	MT	0	0	0	0	0
viii)	Cement Industries	MT	0	0	0	0	0
ix)	Ash Dyke Construction	MT	230000	140000	171000	12000	553000
	Total Ash Utilization	MT	1104650	1029950	1196150	1159380	4490130
C	Ash utilization Percentage	%	100.00	99.97	100.00	100.02	100.00

*Projections for FY 2019-20Q4 and FY 2020-21 Q1, Q2, Q3, Q4 as per expected coal consumption
Name of authorized person: Shri Rajesh Patil

Signature: 

Email id - cegenkoradi@mahagenco.in

Phone no. 07109-262141 to 262164

bhola.kushwaha

From: bhola.kushwaha
Sent: Friday, August 30, 2019 4:02 PM
To: 'aditya.narayan@nic.in'
Cc: kishor.bhardwaj
Subject: RE: Urgent : Submission of action plan to achieve 100% fly ash utilization by the TPPs -reg.
Attachments: MoEFCC Ash data MB Power.pdf

Dear Sir

Please find attached herewith desired information with respect to ash disposal plan.

Regards

Dr. B. P. Kushwaha
Manager - Environment
MB Power (Madhya Pradesh) Limited.
Village laharpur, Post Jaithari,
District Anuppur, Madhya Pradesh – 484330
Mob. 7773011351/7898919668

From: aditya.narayan@nic.in on behalf of Aditya Narayan Singh <aditya.narayan@nic.in>

Sent: Tuesday, July 23, 2019 16:20

To: praneshkumar@ntpc.co.in; pradeepkumar06@ntpc.co.in; sanjay.jain@lancogroup.com;
manojkumar.panda@lancogroup.com; cegenchandrapur@mahagenco.in; envcellcstps@mahagenco.in;
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pavan.vemulapalli@sembcorp.com; susobhan.patra@rp-sg.in; avijit.hazra@rp-sg.in; avijit.hazra@rp-sg.in;
debanjan.basak@rp-sg.in; kaushik.chaudhuri@rp-sg.in; avijit.hazra@rp-sg.in; rp.mali@vedanta.co.in;
asp.mishra@vedanta.co.in; sandeep.jain@essar.com; rajmohan.t@essarpower.co.in

Cc: m.gangeya@gov.in

Subject: Urgent : Submission of action plan to achieve 100% fly ash utilization by the TPPs -reg.

Format for Ash Utilisation Action Plan

4700-592

1. Name of the Unit : MB Power (Madhya Pradesh) Limited Anuppur, Madhya Pradesh-484330
2. Power Generation Capacity : 2 x 600
3. Fly ash generation and utilisation in previous two years (2017-18 and 2018-19): Given Below in table

Year	Generation	Utilization	% Utilization
2017-18	1614069.43	785376	48.66
2018-19	1577875.3	1635958	103.68

4. Fly Ash Utilisation Action Plan (quarter wise) * 2019-20 and 2020-21: Given below in table

S.N.	Description	Unit	Q1	Q2	Q3	Q4	Total Fly Ash Utilisation in FY 2019-20
A	Ash Generation (Fly Ash + Bed Ash)	MT	455190.00	455190.00	455190.00	455190.00	1820760.00
B	Ash Utilisation	MT	455190.00	455190.00	455190.00	455190.00	1820760.00
i)	Brick Manufacturing	MT	4551.90	4551.90	4551.90	4551.90	18207.60
ii)	Ready Mix Concrete	MT	2048.36	2048.36	2048.36	2048.36	8193.42
iii)	Low Lying area filling/ Area Development	MT	170559.69	170559.69	170559.69	170559.69	682238.77
iv)	Road Construction	MT	364.15	364.15	364.15	364.15	1456.61
v)	Filling of abandoned stone quarry	MT	0.00	0.00	0.00	0.00	0.00
vi)	Mines void filling	MT	0.00	0.00	0.00	0.00	0.00
vii)	Agriculture Utilisation	MT	0.00	0.00	0.00	0.00	0.00
viii)	Roofsheets making	MT	4551.90	4551.75	4551.75	4551.75	18207.15
ix)	Cement making	MT	273114.00	273114.00	273114.00	273114.00	1092456.00
	Total Ash Utilisation	MT	455190	455190	455190	455190	1820760
C	Ash Utilisation percentage	%	100	100	100	100	100

Name of Authorised Person : B. K. Mishra

Signature



E-mail id

basanta.mishra@hpppl.in

Phon No.

9285505648

Note *

TPPS having fly ash utilization less than 85% will be given two years time and TPPS having utilization more than 85% will be given one year time period to achieve 100% fly ash utilization.



Format for Ash Utilisation Action Plan

S.N. 96

98

1. Name of the Unit : Mettur Thermal Power Station - I

2. Power Generation Capacity: 4 X 210 MW

3. Fly ash Generation and Utilisation in previous two years (2017-18 and 2018-19)

Period	Total Ash Generation in MT	Total Utilisation in MT	% of Utilisation
2017-18	11,11,142.900	6,24,025.920	56.16
2018-19	11,46,975.853	9,37,312.470	81.72

4. Fly ash Utilisation Action Plan (quarter wise)

S. No	Description	Unit	Q1	Q2	Q3	Q4	Total fly ash utilisation in Fy 2019-2020
A	Ash Generation (Fly Ash + Bed Ash)	MT	2,69,676.512	270000	270000	270000	10,79,676.512
B	Ash Utilisation	MT					
i)	Brick manufacturing	MT	70,921.220	1,08,150	1,08,150	1,08,150	3,95,371.220
ii)	Ready mix concrete	MT					
iii)	Low lying Area filling / Area development	MT					
iv)	Road Construction	MT					
v)	Filling of abandoned stone quarry	MT					
vi)	Mines void filling	MT					
vii)	Agriculture Utilisation	MT					
viii)	If any other area i) Cement Company ii) Allottees through e-auction	MT	1,69,937.920	339750	339750	339750	11,89,187.920
	Total Ash Utilisation	MT	2,40,859.140	4,47,900	4,47,900	4,47,900	15,84,559.140
C	Ash Utilisation Percentage	%	89.31	165.8	165.8	165.8	146.8

Name of the Authorized Person: P.RAMACHANDRAN, EE/ O&AHS/ MTPS-I.

Signature:

E-mail id: eeohmtps@tnebn.net.org

Phone No: 9445856773.

FORMAT FOR FLY ASH UTILISATION ACTION PLAN

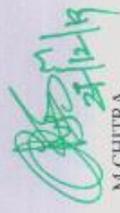
North Chennai Thermal Power Station Stage-I

1 Name of the Units : 3x 210Mw

2 Power Generation Capacity : 3x 210Mw

3 Fly ash generation and utilization in previous two years (2017-18 and 2018-19)

S.No.	Description	Unit	2017-18				2018-19				2019-20		Total Fly Ash Utilization in FY 2020-21
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(upto Nov)	2020-21	
	Ash Generation		1141177	1016863						529260	1145664		
	Ash utilization		453333	672756						497680	1145664		
			2020-21										
A	Ash Generation (Fly Ash + Bed Ash)	MT	286416	286416	286416	286416	286416	286416	286416	286416	286416	1145664	
B	Ash utilization	MT	28416	286416	286416	286416	286416	286416	286416	286416	286416	1145664	
i)	Brick Manufacturing	MT	57283	57283	57283	57283	57283	57283	57283	57283	57283	229132	
ii)	Ready Mix Concrete	MT	57283	57283	57283	57283	57283	57283	57283	57283	57283	229132	
iii)	Low Lying area filling/ Area Development	MT	**	**	**	**	**	**	**	**	**	**	
iv)	Road Construction	MT	85925	85925	85925	85925	85925	85925	85925	85925	85925	343700	
v)	Filling of abandoned stone quarry	MT	**	**	**	**	**	**	**	**	**	**	
vi)	Mines void filling	MT	**	**	**	**	**	**	**	**	**	**	
vii)	Agriculture Utilisation	MT	**	**	**	**	**	**	**	**	**	**	
viii)	If any other are (Cement & A.C. Sheet manufacturing Industries)	MT	85925	85925	85925	85925	85925	85925	85925	85925	85925	343700	
	Total Ash Utilization	MT	286416	286416	286416	286416	286416	286416	286416	286416	286416	1145664	
C	Ash Utilisation percentage	%	100	100	100	100	100	100	100	100	100	100	



M.CHITRA
Chief Engineer/NCTPS-I
Chennai-120

genctps@tnebmct.org
9-44-856633

Note : ** If required

Name of the Authorized Person

email id
Phone

FORMAT FOR FLY ASH UTILISATION ACTION PLAN

- 1 Name of the Units : North Chennai Thermal Power Station Stage-I
 2 Power Generation Capacity : 3x 210Mw
 3 Fly ash generation and utilization in previous two years (2017-18 and 2018-19)

	2017-18	2018-19	2019-20 (upto Nov)
Ash Generation	1141177	1016863	529260
Ash utilization	453333	672756	497680

S.No.	Description	Unit	2019-20				Total Fly Ash Utilization in FY 2019-20
			Q1	Q2	Q3	Q4	
A	Ash Generation (Fly Ash + Bed Ash)	MT	211442	193642	124176	193642	722902
B	Ash utilization	MT	204372	188545	104763	188545	686225
i)	Brick Manufacturing	MT	11826	13395	7359	13395	45975
ii)	Ready Mix Concrete	MT	23099	18301	16780	18301	76481
iii)	Low Lying area filling/ Area Development	MT					0
iv)	Road Construction	MT	108134	110812	53950	110812	383708
v)	Filling of abandoned stone quarry	MT					0
vi)	Mines void filling	MT					0
vii)	Agriculture Utilisation	MT					0
viii)	If any other are (Cement & A.C. Sheet manufacturing Industries)	MT	61313	46037	26674	46037	180061
	Total Ash Utilization	MT	204372	188545	104763	188545	686225
C	Ash Utilisation percentage	%	96.66%	97.37%	84.37%	97.37%	94.93%


 27/10/19

Signature : M.CHITRA
 Name of the Authorized Person : Chief Engineer/NCITPS-I
 Chennai - 120
 email id : cenctps@tnebnnet.org
 Phone : 9445856633

FORMAT FOR FLY ASH UTILISATION ACTION PLAN

1 Name of the Units : North Chennai Thermal Power Station Stage-I
 2 Power Generation Capacity : 3x 210Mw
 3 Fly ash generation and utilization in previous two years (2017-18 and 2018-19)

	2017-18	2018-19
Ash Generation	1141177	1016863
Ash utilization	453333	672756

S.No.	Description	Unit	2018-19				Total Fly Ash Utilization in FY 2018-19
			Q1	Q2	Q3	Q4	
A	Ash Generation (Fly Ash + Bed Ash)	MT	318014	257077	254738	187034	1016863
B	Ash utilization	MT	127900	204426	148921	191509	672756
i)	Brick Manufacturing	MT	9393	14878	12960	12997	50228
ii)	Ready Mix Concrete	MT	14119	22133	17841	28233	82326
iii)	Low Lying area filling/ Area Development	MT					0
iv)	Road Construction	MT	32448	121976	75296	123246	352966
v)	Filling of abandoned stone quarry	MT					0
vi)	Mines void filling	MT					0
vii)	Agriculture Utilisation	MT					0
viii)	If any other are (Cement & A.C. Sheet manufacturing Industries)	MT	71940	45439	42824	27033	187236
	Total Ash Utilization	MT	127900	204426	148921	191509	672756
C	Ash Utilisation percentage	%	40.22%	79.52%	58.46%	102.39%	66.16%



M.CHITRA
 Chief Engineer/NCTPS-I
 Chennai-120
 cenctps@tnebnct.org
 9445856633

Name of the Authorized Person

email id
 Phone

FORMAT FOR FLY ASH UTILISATION ACTION PLAN

- 1 Name of the Units : North Chennai Thermal Power Station Stage-I
 2 Power Generation Capacity : 3x 210MW
 3 Fly ash generation and utilization in previous two years (2017-18 and 2018-19)

	2017-18
Ash Generation	1141177
Ash utilization	453333

S.No.	Description	Unit	2017-18				Total Fly Ash Utilization in FY 2017-18
			Q1	Q2	Q3	Q4	
A	Ash Generation (Fly Ash + Bed Ash)	MT	289325	295960	270388	285504	1141177
B	Ash utilization	MT	162554	94662	73791	122326	453333
i)	Brick Manufacturing	MT	14999	14163	13161	11496	53819
ii)	Ready Mix Concrete	MT	27533	58739	13164	19083	118519
iii)	Low Lying area filling/ Area Development	MT					0
iv)	Road Construction	MT	120022	21760	0	25090	166872
v)	Filling of abandoned stone quarry	MT					0
vi)	Mines void filling	MT					0
vii)	Agriculture Utilisation	MT					0
viii)	If any other are (Cement & A.C. Sheet manufacturing Industries)	MT	0	0	47466	66657	114123
	Total Ash Utilization	MT	162554	94662	73791	122326	453333
C	Ash Utilisation percentage	%	56.18%	31.98%	27.29%	42.85%	39.73%

Name of the Authorized Person

M.CHITRA
 Chief Engineer/NCTPS-I

Chennai-120

emctps@tnebnel.org
 9445856633

email id
 Phone



TANGEDCO LTD

From
Er.S.SRIDHAR. B.E., M.I.E.,
Chief Engineer,
NCTPS - II,
Chennai – 600 120.

To
Thiru.Nazimuddin,
Divisional Head,
CPCB,
Newdelhi.

Lr.No. CE/NCTPS-II/SE/M-II/EE/M/AHP/F.No.FAM /D.No.1071/19, Dt.27 .12.2019.

Sir,

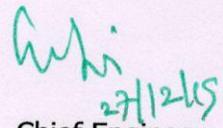
Sub: NCTPS-II-M-II-AHP-Fly Ash Management -TANGEDCO- Actual Utilization of fly ash in NCTPS-II for the years 2017-18, 2018-19, 2019-20 and Action plan for the year 2020-21 Furnished – Reg.

Ref: Mail received from CPCB, dt. 24.12.2019.

This has reference to the above,

The Details of fly ash utilization in NCTPS-II for the years 2017-18, 2018-19 2019-20 and Action plan for the year 2020-21 is furnished herewith for favour of further action please.

Encl: 4 sheets.


Chief Engineer,
NCTPS-II, Chennai-120.

Copy to the Superintending Engineer/M-II/NCTPS-II, Chennai-120 (2Copies).

Format for Ash Utilization Action plan

1. Name of the Unit : North Chennai thermal Power Station-II
 2. Power Generation Capacity (2X600MW) -1200MW

3. Fly Ash generation & utilization in previous two years(2017-18 and 2018-19)

Financial year	Ash Generation(MT)	Ash utilization(MT)	Ash utilization(%)
FY 2017-18	1272557	624838	50.7
FY 2018-19	1432606	1062586	75.91
FY 2019-20(UPTO Nov'19)	668003	654205	97.81

4. Fly Ash Utilization Plan for FY 2020-21

Sl.No	Description	Unit	Q1	Q2	Q3	Q4	Total Fly Ash utilization in FY2020-21
A	Ash Generation (Fly Ash+Bottom ash)	MT	420000	420000	420000	420000	1680000
B	Ash utilization	MT					
I)	Brick manufacturing	MT	72000	72000	72000	72000	288000
ii)	Ready Mix concrete	MT					
iii)	Low lying Area Filling/Area development	MT					
iv)	Road Construction	MT	66000	68000	70000	73000	277000
v)	Filling of Abandoned stone quarry	MT					
vi)	Mines void filling	MT					
vii)	Agriculture utilization	MT					
viii)	Cement industries	MT	280000	280000	275000	280000	1115000
ix)	Ash dyke Construction	MT					
	Total ash utilization	MT	418000	420000	417000	425000	1680000
C	Ash utilization Percentage	%	99.52	100.00	99.29	101.19	100.00

Projector for Fly 2020-21 Q1,Q2,Q3 and Q4 as per Expected coal consumption.

Signature :

Phone No:

Note : TPPs having ash utilization less than 85% will be given two years time period.



SE / M-II / NCTPS-II

ASH LIFTING AND UTILISATION PARTICULARS FOR THE YEAR 2017-18

Sl. No	DESCRIPTION	UNIT	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	TOTAL
1	Coal Consumption	Tons	381688	523013	439085	354660	237381	310578	415188	370577	270456	266126	304057	553021	4425830
2	% of Ash Content	%	33.0%	33.80%	33.70%	40.40%	38.40%	37.60%	40.00%	34.70%	38.00%	40.50%	31.60%	33.90%	36.30%
3	Ash Generated	Tons	125957	176778	147972	143283	91154	116777	166075	128591	102774	107781	96081	187474	1590697
4	Fly ash Generated	Tons	100766	141422	118378	114626	72923	93422	132860	102872	82219	86225	76865	149979	1272557
5	Fly Ash Utilized	Tons	33718	37349	45106	57802	36938	39610	49632	55058	60193	50061	68044	91327	624838
6	Lifting Qty/Major companies	Tons	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
7	Lifting Qty/ No of SSI Companies	Tons	16163-144 Nos	13052-95 Nos	20794-125 Nos	21801-129 Nos	15810-132 Nos	17928-134 Nos	24399-134 Nos	25228-136 Nos	26679-136 Nos	23613-138 Nos	25706-142 Nos	28068-142 Nos	
8	Lifting qty/E-Auction bidders	Tons	17555-29 nos	24297-36 Nos	24312-37 Nos	39001-44 Nos	21128-19 Nos	21682-23 Nos	25233-23 Nos	29830-23Nos	33514-20Nos	26448-25 Nos	42338-26 Nos	63259-28 Nos	
9	% of Fly Ash Utilized	%	33.46%	26.41%	38.10%	50.43%	49%	40.00%	37.30%	53.52%	73.21%	58.06%	88.52%	60.89%	50.70%
10	Wet ash generated	Tons	25191	35356	29594	28657	18231	23355	33215	25719	20555	21556	19216	37495	318140
11	Wet ash disposed through vehicle/(Rs.10/-)	Tons	3173	933	722	3008	2361	657	0	0	0	0	0	0	10854
12	Ash disposed through vehicle	Tons	11821	14941	12973	7314	14145	20700	15125	21458	8751	7228	7734	20486	162676
13	Wet ash Disposed Through Free of Cost	Tons	0	0	0	0	0	0	0	0	0	1833	697	0	2530
14	Wet ash disposed (Inside the dyke) in slurry form	Tons	10197	19482	15899	18335	0	0	0	0	11804	12495	10785	17009	116006
15	Dry Fly Ash Dumped in slurry form dyke.	Tons	67048	104073	73272	56824	35985	53812	83228	47814	22026	36164	8821	58652	647719
16	Opening balance of dry fly ash inside the silo	Tons	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0
17	Opening balance of Bottom ash below the silo	Tons	0.00	0.00	0.00	0.00	1724	1998	18090	4262	0	0	0	0	26074
18	Total ash utilized	Tons	36891	38282	45828	60810	39299	40267	49632	55058	60193.0	51894	68741	91327	638222
19	% of Ash Utilized	%	29%	22%	31%	42%	43%	34%	30%	43%	59%	48%	72%	49%	41.87%
20	Revenue in Fly Ash	Rs.	4388750	4859400	3646800	5863780	3305377	3393100	3793240	4474500	5201890	3507510	4118360	5754860	52307567
21	Revenue in Bottom Ash	Rs.	31730	9330	7220	30080	23610	6570	0	0	0	0	0	0	108540
22	MSTC Charges	Rs.	99461	109546	82215	132612	76083	76493	85348	100676	117043	78919	92663	129484	1180543
23	Revenue to the Board including Bottom Ash (in Rs.)	Rs.	4321019	4759184	3571805	5761248	3252904	3323177	3707892	4373824	5084847	3428591	4025697	5625376	51235564


 SE / M-II / NCTPS-II

ASH LIFTING AND UTILISATION PARTICULARS FOR THE YEAR 2018-19

Sl. No	DESCRIPTION	UNIT	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	TOTAL
1	Coal Consumption	Tons	564816	517388	401398	335956	308639	271232	475757	344695	498601	388289	417925	484106	5008822
2	% of Ash Content	%	32.3%	33.20%	36.10%	40.90%	42.40%	42.50%	41.10%	35.00%	34.50%	32.00%	31.00%	31.50%	36.04%
3	Ash Generated	Tons	182435	171772	144905	137406	130863	115281	195536	120643	172017	124253	129556	163371	1788038
4	Fly ash Generated	Tons	145948	137418	115924	109925	104690	92225	156429	96515	137613	99402	103645	132872	1432606
5	Fly Ash Utilized	Tons	83373	90727	88721	88749	83551	78637	67239	70773	94147	80502	103295	132872	1062586
6	Lifting Qty/Major companies	Tons	Nil	Nil	Nil	1062586									
7	Lifting Qty/ No of SSI Companies	Tons	17688-106 Nos	22035-119 Nos	23517-123 Nos	21315-124 Nos	15116-126 Nos	24337-128 Nos	26284-128 Nos	26016-128 Nos	27122-128 Nos	23126-127 Nos	25077-130nos	26554-130nos	Beneficiaries Details
8	Lifting qty/E-Auction bidders	Tons	65685-30Nos	68692-30 Nos	65204-36 Nos	67434-41 Nos	68435-31 Nos	54300-32Nos	40955-26 Nos	44757-26 Nos	67025-18 Nos	57376-20 Nos	78018-19 Nos	106318-20 Nos	Beneficiaries Details
9	% of Fly Ash Utilized	%	57.13%	66.02%	76.53%	80.74%	80%	85.27%	42.98%	73.33%	68.41%	80.99%	99.66%	100.00%	75.91%
10	Wet ash generated	Tons	36487	34354	28981	27481	26173	23056	39107	24128	34404	24851	25911	30499	355432
11	Wet ash disposed through vehicle(Rs.10/-)	Tons	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Ash disposed through vehicle	Tons	20864	17358	12156	11099	15547	15687	28842	19997	23633	9729	12779	18192	205883
13	Wet ash Disposed Through Free of Cost	Tons	0	3353	1428	4833	281	281	0	0	0	0	0	0	10176
14	Lifted qty of wet ash sent to dyke through NCTPS-(60% of lifted Qty)	Tons	0	0	0	0	0	0	0	0	0	22436	26261	17503	66200
15	Wet ash disposed (Inside the dyke) In slurry form	Tons	15623	13643	15397	11549	10345	7088	10265	4131	10771	15122	13132	12307	139373
16	Dry Fly Ash Dumped in slurry form dyke.	Tons	62575	46691	27203	21176	21139	13588	89190	25742	43466	18900	350	0	370020
17	Opening balance of dry fly ash inside the silo	Tons	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	370020
18	Opening balance of Bottom ash below the silo	Tons	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
19	Total ash utilized	Tons	83373	94080	90149	93882	83832	78918	67239	70773	94147.0	102938	129556	150375	1138962
20	% of Ash Utilized	%	46%	55%	62%	68%	64%	68%	34%	59%	55%	83%	100%	99%	66.05%
21	Revenue in Fly Ash	Rs.	5290950	5431160	6323390	8286490	6081420	9351980	9499670	8128020	9927160	4596480	5528460	7442260	85887440
22	Revenue in Bottom Ash	Rs.	0	0	0	0	0	0	0	0	0	0	0	0	0
23	MSTC Charges	Rs.	119046	122201	142276	186446	136832	210420	213743	182880	223361	103421	2835	167451	1810912
24	Revenue to the Board Including Bottom Ash(In Rs.)	Rs.	5171904	5308959	6181114	8100044	5944588	9141560	9285927	7945140	9703799	4493059	5525625	7274809	84076528

SE / M-II / NCTPS-II

ASH LIFTING AND UTILISATION PARTICULARS FOR THE YEAR 2019-20

Sl. No	DESCRIPTION	UNIT	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	TOTAL
1	Coal Consumption	Tons	420317	428731	325877	305620	194308	270900	339726	353861					2639340
2	% of Ash Content	%	29.9%	29.00%	29.80%	32.00%	31.50%	33.80%	30.20%	28.80%					30.63%
3	Ash Generated	Tons	125675	129557	97111	111287	62173	91564	102597	101912					821876
4	Fly ash Generated + fly ash collected from ESP hoppers of Unit-I & II	Tons	100731	104690	77689	91728	49932	73251	82078	87904					668003
5	Fly Ash Utilized	Tons	100731	104690	74128	91728	49932	69851	75241	87904					654205
6	% of Fly Ash Utilized	%	100.00%	100.00%	95.42%	100.00%	100%	95.35%	91.67%	100.00%					97.81%
7	Wet ash generated	Tons	25135	24866	19422	19559	12241	18313	20519	20382					160437
8	Wet ash disposed through vehicle(Rs.10/-)	Tons	0	0	0	0	0	0	0	0					0
9	Ash disposed through vehicle	Tons	11024	14792	10289	11200	4455	1788	1378	2026					56952
10	Wet ash Disposed Through Free of Cost	Tons	0	0	0	0	0	0	0	0					0
11	Lifted qty of wet ash sent to dyke through NCTPS-I(60% of lifted Qty)	Tons	17706	29618	20982	32916	21559	12030	10093	22277					167181
12	Wet ash disposed (Inside the dyke) in slurry form	Tons	14111	10073	9133	8359	7786	16525	19141	18356					103484
13	Balance Wet ash disposed (Inside the dyke) in slurry form(difference qty =generated wetash-wetash lifted in NCTPS-I)		7429	0	0	0	9318	6283	10426	0					33456
14	Dry Fly Ash Dumped in slurry form dyke.	Tons	0	0	3561	0	0	3400	6837	0					13798
15	Opening balance of dry fly ash inside the silo	Tons	0.00	0.00	0.00	0.00	0.00	0	0	6374					6374
16	Opening balance of Bottom ash below the silo	Tons	0.00	0.00	0.00	0.00	0	0	0	0					0
17	Total ash utilized	Tons	118437	138308	95020	124644	71491	81881	85334	110181					825296
18	% of Ash Utilized	%	94%	108%	98%	112%	115%	89%	83%	108%					100.96%
19	Revenue in Fly Ash	Rs.	5305620	5431098	4613560	5081020	2717470	3659740	3843490	4693150					35343148
20	Revenue in Bottom Ash	Rs.	0	0	0	0	0	0	0	0					0
21	MSTC Charges	Rs.	119331	125012	103805	114323	61143	82344	86479	105596					798033
22	Revenue to the Board Including Bottom Ash(InRs)	Rs.	5184289	5431098	4509755	4966697	2656327	3577396	3757011	4587554					34670127

SE / M-II / NCTPS-II

Format for Ash Utilization Action Plan

1. Name of the Unit: Rosa Power Supply Co Ltd., Shahjhanpur, UP
2. Power Generation Capacity: 4x300 MW
3. Fly Ash generation and utilization in previous two Year (2017-18 and 2018-19)

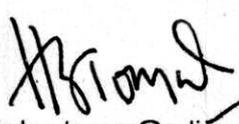
Financial Year	Ash Generation (MT)	Ash Utilization (MT)	ASH Utilization (%)
FY 2017-18	1619497	1223657	76
FY 2018-19	822372	955260	116

4. Fly Ash Utilization Action Plan for FY 2019-20

Sl. No.	Description	Unit	Q1 (Actual)	Q2 (Actual)	Q3*	Q4*	Total Fly Ash Utilization in FY 2019-20
A	Ash Generation (Fly ash+ Bottom ash)	MT	372063	401281	135000	331500	1239844
B	Ash Utilization	MT	286545	259151	150000	545000	1240696
i)	Brick Manufacturing	MT	9928	7627	1200	4500	23255
ii)	Ready Mix Concrete	MT	419	450	400	500	1769
iii)	Low lying area filing/ area development	MT	46651	38069	32800	35000	152520
iv)	Road Construction	MT	0	0	0	155000	155000
v)	Filling of abandoned stone quarry	MT	0	0	0	0	0
vi)	Mines void filling	MT	0	0	0	0	0
vii)	Agriculture utilization	MT	0	0	0	0	0
viii)	Cemen ^t industries	MT	229502	212927	110000	340000	892429
ix)	Ash Dyke construction	MT	0	0	0	0	0
ix)	Others		45	77	5600	10000	15722
	Total Ash Utilization	MT	286545	259151	150000	545000	1240696
C	Ash Utilization Percentage	%	78	66	111	164	100

*Projection for FY 2019-20 Q3 & Q4 as per Expected coal consumption.

Hirday Singh Tomar - Station Director

Signature:- 
 email ID:-hirday.tomar@relianceada.com
 Phone no. 058420306700



*Note:

TPPs having ash utilization less than 85% will be given two years time period.

Format for Ash Utilisation Action Plan

1. Name of the unit : **TAQA Neyveli Power Company Pvt.Ltd.**
2. Power Generation Capacity : **250 MW**
3. Fly ash generation and utilisation in previous two years (2017-18 and 2018-19)

Year	Fly ash generation (Tons)	Fly ash utilisation (%)
2017 -2018	62500	97
2018 -2019	85964	90.9

4. Fly ash Utilisation Action Plan (quarter wise)

S.No	Description	unit	Q1	Q2	Q3	Q4	Total Fly Ash utilisation in FY 2019- 20
A.	Ash Generation (Fly ash + Bed Ash)	MT	29519	10485	22500	25852	88356
B.	Ash Utilisation	MT					
i)	Brick Manufacturing	MT	3151	2769	3900	3820	13640
ii)	Ready Mix Concrete	MT	0	0	0	0	0
iii)	Low Lying area filling / Area Development (From Ash Pond)	MT	0	0	1500	5201	6701
iv)	Road construction	MT	0	0	0	0	0
v)	Filling of abandoned stone quarry	MT	0	0	0	0	0
vi)	Mines void filling	MT	672	84	520	634	1910
vii)	Agriculture Utilisation	MT	0	0	0	0	0
viii)	Cement	MT	18,048	9375	17725	18145	63293
Viii)	If any other area (specify) from ash pond to Construction	MT	1680	610	500	620	3410
ix)	Total ash Utilisation	MT	23551	12838	24145	27001	88954
C.	Ash Utilisation percentage	%	79	122	107	104	100

Projected for 2019-2020 as per Expected lignite quality, quantity, consumption and plant running hours.

Name of the Authorised person: Pravin Kumar .VA

Signature :



Email id : pravin Kumar.va@taqaglobal.com

Phone No: 9842355883



**TENUGHAT THERMAL POWER STATION
TENUGHAT VIDYUT NIGAM LIMITED
LALPANIA – 829149, BOKARO (JHARKHAND)**

Letter No.....133.....

Dated:.....02.01.20.....

To:

**Mr. Nazimuddin,
Divisional Head-IPC-II,
CPCB, Delhi**

Sub : Submission of revised Action Plan by Tenughat Thermal Power Station for fly ash utilization during year 2019-20.

Ref : Your email dated- 9th Dec, 2019 & 27 Dec, 2019

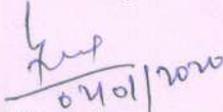
Sir,

Reference to the above, please find enclosed herewith the revised Action Plan for fly ash utilization by Tenughat Thermal Power Station (2x220 MW), Lalpania (Tenughat Vidyut Nigam Limited, Ranchi) during year 2019-20 for your perusal. The data is being sent by E-mail at nazim.cpcb@nic.in , sanjeevpaliwal.cpcb@nic.in & tcdcea@nic.in for your kind information and consideration.

Thanking you.

Encl: As above

Yours faithfully


(G. Kumar)
General Manager

Format for Ash Utilization Action plan

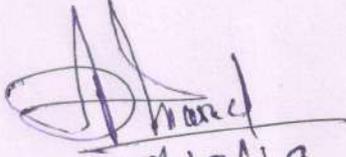
1. Name of the Unit: Tenughat Thermal Power Station, Lalpania
2. Power generation capacity :- 2 x 210MW
3. Fly Ash generation and utilization in previous two years (2017-18 and 2018-19)

Financial year	Ash Generation (MT)	Ash Utilization (MT)	Ash Utilization (%)
FY 2017-18	566083	537300	94.92
FY 2018-19	493063	641930	130.19

4. Fly Ash Utilization Action plan for FY 2019-20

Sl. No.	Description	Unit	Q1	Q2	Q3*	Q4*	Total Fly Ash utilization in FY 2019-20
A	Ash Generation (Fly Ash + Bottom Ash)	MT	164461.5	188991	184551.32	189000	727003.8
B	Ash Utilization	MT					
i)	Brick Manufacturing	MT				100	100
ii)	Ready Mix concrete	MT					
iii)	Low lying area filling/ area development	MT	162065.8	30882.01	192514	260000	645461.8
iv)	Road Construction	MT				20500	20500
v)	Filling of abandoned stone quarry	MT					
vi)	Mines void filling	MT					
vii)	Agriculture Utilization	MT					
viii)	Cement industries	MT			2100	51500	53600
ix)	Ash Dyke Construction	MT				7500	7500
	Total Ash Utilization	MT	162065.8	30882.01	194614	339600	727161.8
C	Ash Utilization Percentage	%	98.54	16.34	105.45	179.68	100.02

*Projection for FY 2019-20 Q3 and Q4 as per Expected coal consumption.


 28/12/19
 HOD (civil)

TRN Energy Private Limited

Registered Office : 18 Vasant Enclave, Rao Tula Ram Marg
New Delhi – 110057

Corporate Office : 7th Floor, Office Tower, Ambience Mall
NH – 8, Gurgaon – 122002 (Haryana)
Ph: 0124–2719000; Fax: 0124–2719185

E-Mail: : trnenergy@acbindia.com&info@trnenergy.com

Ref: TRN/CPCB/FAU/2019-20/06

Date: - 29/12/2019

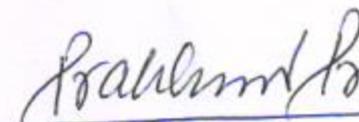
To,
Dr. S. K. Paliwal
Scientist D, IPC-II
Central Pollution Control Board
East Arjun Nagar, Delhi-110032

Sub: - Submission of action plan for utilization of 100% Fly Ash.

Dear Sir,

Please find enclosed herewith action plan(quarter wise) for utilization of 100% Fly Ash for FY 2020-21 of **TRN Energy Private Limited** (2X300 MW TPP), Village – Bhengari, Nawapara (Tenda), Tehsil – Gharghoda , District – Raigarh , Chhattisgarh in the prescribed format.

Thanking You,
For, TRN Energy Private Limited.


Authorized Signatory



Cc: - Regional Office, Chhattisgarh Environmental Conservation Board, Raigarh C.G.

Encl. – Action Plan in the recommended format.

Format for Ash Utilisation Action Plan

1. Name of the Unit: TRN ENERGY PRIVATE LIMITED
2. Power Generation Capacity: 2 * 300 MW Coal Based Thermal Power Plant
3. Fly ash generation and utilisation in previous two years (2017-18 and 2018-19):

Year	2017-18	2018-19
Fly ash generation (MT)	742907	850686
Fly ash utilisation (MT)	566350	789502

4. Fly Ash Utilisation in FY 2019-20*:

S.N.	Description	Unit	Q1	Q2	Q3	Q4	Total Fly Ash Utilisation in FY 2019-20
A	Fly Ash Generation	MT	237831	145523	72454	192000 (Considering 75% PLF)	647808
B	Ash Utilisation	MT					
i)	Fly Ash Brick Manufacturing	MT	5955	2719	2148	7000	17822
ii)	Ready Mix Concrete	MT					
iii)	Low Lying area filling/ Area Development	MT	193181	102967	42960	150000	489108
iv)	Road Construction	MT					
v)	Cement Manufacturing Industries	MT				35000	35000
vi)	Mines backfilling filling or mixing with Overburden / Filling of abandoned stone quarry	MT					
vii)	Agriculture Utilisation	MT					
viii)	If any other area (specify)	MT					
	Total Ash Utilisation	MT	199136	105686	45108	192000	541930
C	Ash Utilisation percentage	%	83.73	72.62	62.26	100.00	83.66



5. Fly Ash Utilisation Action Plan for 2020-21 (quarter wise):

S.N.	Description	Unit	Q1	Q2	Q3	Q4	Proposed 100% Fly Ash Utilisation in FY 2020-21
A	Fly Ash Generation Considering 85% PLF and 45% ash in coal	MT	268056	268056	268056	268056	1072224
B	Ash Utilisation	MT					
i)	Fly Ash Brick Manufacturing	MT (5 %)	13403	13403	13403	13403	53612
ii)	Ready Mix Concrete	MT					
iii)	Low Lying area filling/ Area Development	MT (30 %)	80417	80417	80417	80417	321668
iv)	Road Construction	MT					
v)	Cement Manufacturing Industries	MT (15 %)	40208	40208	40208	40208	160832
vi)	Mines backfilling filling or mixing with Overburden / Filling of abandoned stone quarry	MT (50 %)	134028	134028	134028	134028	536112
vii)	Agriculture Utilisation	MT					
viii)	If any other area (specify)	MT					
	Total Ash Utilisation	MT	268056	268056	268056	268056	1072224
C	Ash Utilisation percentage	%	100.00	100.00	100.00	100.00	100.00

Name of the Authorised Person: **Prahlad Prasad**

Signature: 

E-mail id : **prahlad.prasad@acbindia.com**

Phone no. : **9669200240**

- *Note :**
- 1) - Q4 -FY 2019-20 (Proposed fly ash generation and utilization considering 75% PLF and 45 % ash content in coal)
 - 2) - TRN Energy is exploring all possibility of Fly Ash utilization in SECL abandoned mines/NHAI/Cement industries.

