

O/o CE (EITC)
 Receipt No. 8210
 Date: 18 MAR 2019
 DCR (R) / SE / CPDCL
 EE...Billing
 Section

CHHATTISGARH STATE POWER DISTRIBUTION CO.LTD.
 (A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)
 CIN:U40108CT2003SGC015822
OFFICE OF CHIEF ENGINEER (RA&PM),
 Ph: (0771) 2574441 (Fax) 2574442, website: www.cspdcl.co.in Email: cecomcseb@rediff.com

18/3

No.02-02/ACE-IVCA/ 3115

Raipur, Dt: 15.03.19

To,
 The Executive Director (EITC),
 CS Power Distribution Co. Ltd.,
 Raipur.

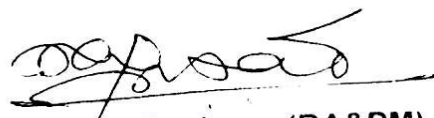
Sub:- Levy of VCA charge from the consumers.

Ref:- i) Chhattisgarh State Electricity Regulatory Commission's order dated 30.06.2012 under Suo- Motu Petition No 26/2012 and order dated 29.06.2015 under Suo- Motu Petition No 37/2015(M).

Chhattisgarh State Electricity Regulatory Commission vide order dated 30.06.2012 under Suo Motu petition no. 26 of 2012 amended vide order dated 29.06.2015 under Suo Motu Petition no 37 of 2015 (M) has approved to levy of VCA charge from all category of consumers. Rate of VCA charge for 5th bimonthly period of FY 2018-19 i.e. 01.12.18 to 31.01.19 calculated in accordance to above orders is tabulated below for levy from all category of consumers:-

1.	DLF consumers upto 40 units	@ 08 Paise per unit
2.	DLF consumers 41 to 200 units	@ 08 Paise per unit
3.	DLF consumers above 200 units	@ 08 Paise per unit
4.	Agriculture consumers	@ 08 Paise per unit
5.	Rest all category of consumers	@ 08 Paise per unit

Such slab wise capping will not be telescopic. The above charge is recoverable from consumers for the consumption in the months of **March'19 to April'19** payable in the months of **April'19 to May'19**. It is therefore requested to kindly arrange to made suitable programme in SAP to implement recovery of above VCA charges from the consumers. Further information regarding levy of VCA charge may be uploaded in website.


 Addl. Chief Engineer (RA&PM)
 CSPDCL: Raipur

Copy to:-

1. The Executive Director (O&M) CSPDCL, Raipur.
2. The Executive Director (Rev.) CSPDCL, Raipur.
3. The Executive Director (DR)/(BR)/(RR)/(CR)/ (RJN-R)/Chief Engineer(AR)/(JR)/ CSPDCL, Durg/Bilaspur/Raipur/Ambikapur/Jagdalpur/Rajnandgaon/Raigarh.
4. The Superintending Engineer (O&M)/(City Circle) CSPDCL, Raipur I/II, Mahasamund/Balodabazar/Durg/Bilaspur/Raigarh/Janjgir-Champa/Korba/Jagdalpur/ Kanker/ Rajnandgaon/Ambikapur.
5. The Executive Engineer (AMR CELL) CSPDCL, Raipur.
6. The Sr. Accounts Officer I/II, CSPDCL, Raipur /Bilaspur / Durg/ Ambikapur/ Jagdalpur/ Rajnandgaon/ Champa.

Computation of VCA Charges (5th bi-monthly period 2018-19)

(A) CHFC :-

Month	KTPS	HTPS	DSPM TPS	Korba(W)Extn.	Total Amt. In Rs
Dec-18	25653870	41633160	12544283	33631975	113463288
Jan-19	57923434	8749692	-537653	4968655	71104128
Total	83577304	50382852	12006630	38600630	184567416

(B) CHPP :-

(i)	Total units purchased from NTPC and NSPCL	: 126,61,37,987 KWh
(ii)	Amount paid against units purchased	: Rs. 409,14,12,615
	Rate per unit	: Rs. 3.23 /KWh
(iii)	Average rate approved by CSERC for purchase of power from Central generating stations	: Rs. 3.12 /KWh
(iv)	Diff. in rate (ii-iii)	: Rs.0.11 /KWh
(v)	CHPP (in Rs.) (i)x(iv)	: Rs. 13,92,75,179 ✓
C.	Gross VCA (A+B) in Rs	: Rs.32,38,42,595 ✓
D.	Total quantum of power purchased during the period	: 480,84,52,659 Kwh
E.	Quantum of power purchased for sale to retail consumers of the State	: 399,87,84,309 KWh
F.	Allowable VCA (in Rs.)[C*(E/D)]	: Rs. 26,93,12,558
G.	Normative transmission & distribution losses as specified in Tariff order	: 16.54%
H.	Allowable VCA Charges(Rs./Kwh) (F/E*(1-G))	: Rs. 0.08/KWh

VCA Charge to be recoverable from monthly energy bills of various categories of consumers:

1	DLF consumers up to 40 units	Rs. 0.08 per unit
2	DLF consumers 41 to 200 units	Rs. 0.08 per unit
3	DLF consumers above 200 units	Rs. 0.08 per unit
4	Agriculture Consumers	Rs. 0.08 per unit
5	Rest all categories	Rs. 0.08 per unit

To be recovered for the consumption in the months of March'19 and April'19 payable in the months of April'19 and May '19

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Computation of CHPP

Sno.	Particulars	MU	
1	Scheduled energy purchased from CGs during Fifth bi-monthly period		1266137987
2	Amount paid against units purchased	Rs.	4091412615
	Average rate of power purchase	Rs/Kwh	3.23
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.12
4	Difference in the average rate of PP	Rs/Kwh	0.11
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	139275179

Computation of VCA

Sno.	Particulars		
1	CHFC	Rs	184567416
2	CHPP	Rs	139275179
3	Gross VCA(sub total in Rs.)	Rs	323842595
4	Allowable VCA(in Rs.)	Rs	269312558
5	Allowable VCA(in Rs/Kwh)	Rs/Kwh	0.08

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CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

(A Govt. of C.G. Undertaking)

Office of the Executive Director (C&RA)

NO. 03-09/ Bills-15/159

Raipur Dtd.

28-Feb-2019

To,

✓ The Chief Engineer (RA&PM)
4th Floor Vidyut Seva Bhawan
CSPDCL, Raipur

C.E. (RA & PM) CSPDCL Raipur	
Letter Receipt	
No.	8452
Date	01.3.19

Sub: Fuel Cost Adjustment calculation for the 5th Bi-Monthly period of FY 2018-19.

Ref: 1) CSERC MYT Regulations 2015.
2) CSERC tariff order dtd. 31/03/2017

In compliance to the CSERC vide order referred above, please find enclosed FCA Calculation amounting to Rs. **442,076,682** /- for the 5th Bi-Monthly period of FY 2018-19 (Dec-18 & Jan- 19). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Apr-19**

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01/03/19

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Executive Director (C&RA)
CSPGCL: Raipur

Copy to :-

- 1 The Secretary, Chhattisgarh State Electricity Regulatory Commission, New Shanti Nagar Raipur. In compliance to directives given in tariff order dtd. 23/05/2015.
- 2 The E.D. (Fin) CSPGCL, Raipur
- 3 The E.D. (O&M:Gen) CSPGCL, Raipur
- 4 The C.E.(EITC)CSPDCL, Raipur. Kindly upload the same in Company web site (cspc.co.in/cspgcl) under the link Fuel Cost Adjustment- 5th Bi Monthly of FY 2018-19 (Dec -2018 to Jan- 2019)
- 5 The S.O. to M.D. CSPGCL, Raipur
- 6 The S.O. to M.D. CSPDCL, Raipur
- 7 The Manager (B&CM) CSPGCL, Raipur

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Fuel Cost Adjustment calculation for the 5th Bi-Monthly period of FY 2018-19.

All Figures in Rs.

Name of Plant	Dec-18	Jan-19	Total
KTPS	25653870	57,923,434	83,577,304
HTPS	41633160	8,749,692	50,382,852
DSPM TPS	12544283	-537,653	12,006,630
KW Extn	33631975	4,968,655	38,600,630
MTTPS	182033145	75,476,121	257,509,266
Total	295,496,433	146,580,249	442,076,682

RUPEES FORTY FOUR CRORES TWENTY LAKHS SEVENTY SIX THOUSAND SIX HUNDRED EIGHTY TWO ONLY

As per CSERC order the above amount of FCA shall be claimed as mentioned below:-

All Figures in Rs.

Month	KTPS	HTPS	DSPM TPS	KW Extn	MTTPS	Total
Apr-19	41,788,652	25,191,426	6,003,315	19,300,315	128,754,633	221,038,341
May-19	41,788,652	25,191,426	6,003,315	19,300,315	128,754,633	221,038,341
Total	83,577,304	50,382,852	12,006,630	38,600,630	257,509,266	442,076,682

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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Korba (East) Thermal Power Station - KTPS

	Description	Unit	Considered in Tariff order	For Month of Dec-18	For Month of Jan-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.065702350	0.10610075	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.066702350	0.106100750	
d	Normative Transit & Handling Losses	%	1.15%	1.15%	1.15%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000767077	0.001220159	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.065935273	0.104880591	
g	Amount charged by the Coal / Lignite Company	(Rs.)		111,194,190.70	176,905,035.85	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			18,795,828.92	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		111,194,190.70	195,700,864.77	
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1686.41	1865.94	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT		1686.41	1865.94	
m	Transportation Charge per Ton	Rs/MT	177.98	177.98	177.98	
n	Landed Price of Coal per MT (l+m)	Rs /MT	1,641.03	1864.39	2043.92	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,080.85	2,930	2,863	
p	Normative SHR	Kcal/ KWh	3,110	3,110	3,110	
q	Normative Specific Oil Consumption	ml/ KWh	2.00	2.00	2.00	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	11.25	11.25	11.25	
t	ECR for the Period= $((p-(qxr))/(0)*(n/1000))/(1-s)$	Rs/ KWh		2.215	2.486	
u	ECR as considered in Tariff order	Rs/ KWh	1.855	1.855	1.855	
v	Change in ECR (t-u)	Rs/ KWh		0.360	0.631	
w	Scheduled Generation during the Period	KWh		71,260,750	91,796,250	
aa	FCA Claim for the Period (vXw)	Rs		25,653,870	57923433.75	83,577,304

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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Korba (West) Thermal Power Station - HTPS

	Description	Unit	Considered in Tariff order	For Month of Dec 18	For Month of Jan-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.342370	0.394295	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.342370	0.394295	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000684740	0.000788590	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.341685260	0.393506410	
g	Amount charged by the Coal / Lignite Company	(Rs.)		608051927.49	700271153.28	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			-3320394.84	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		608051927.49	696,950,758.44	
j	Rate of Coal for the period Charged by Coal Company = (i/(f*10^6))	Rs/MT		1779.57	1771.13	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal company (j+k)	Rs/MT	1,609.77	1779.57	1771.13	
m	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,690.52	1,860.32	1,851.88	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.33	3,462	3,678	
p	Normative SHR	Kcal/ KWh	2,650.00	2,650	2,650	
q	Normative Specific Oil Consumption	ml/ KWh	0.80	0.80	0.80	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	9.70	9.70	9.70	
t	ECR for the Period = ((p-(qxr))/(o)*(n/1000))/(1-s)	Rs/ KWh		1.572	1.473	
u	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
v	Change in ECR (t-u)	Rs/ KWh		0.120	0.021	
w	Net Generation during the Period	KWh		346,943,000	416,652,000	
x	FCA Claim for the Period (vXw)	Rs		41633160	8749692	50,382,85

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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Dr. Shyama Prasad Mukharjee Thermal Power Station - DSPM TPS

	Description	Unit	Considered in Tariff order	For Month of Dec-18	For Month of Jan-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.14843697	0.17376241	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.14843697	0.17376241	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000296874	0.000347525	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.148140096	0.173414885	
g	Amount charged by the Coal / Lignite Company	(Rs.)		268492419.96	311,105,899.96	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		6,605,892.25	13,645,596.06	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		275,098,312.21	324,751,496.02	
j	Rate of Coal for the period Charged by Coal Company = $(i/(f \times 10^6))$	Rs/MT		1857.01454	1872.685243	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal company (j+k)	Rs/MT		1857.01454	1872.685243	
m	Transportation Cost Paid to railways	Rs		36794382.00	46679671	
n	Transportation Charge rate paid to Railways $(m/(f \times 10^6))$	Rs/MT		248.38	269.18	
o	Other Charges (per Ton) towards transportation	Rs/MT				
p	Total per ton Transportation Charges (n+o)			248.38	269.18	
q	Landed Price of Coal per MT ((l+p)	Rs./MT	1,921.22	2105.39	2141.87	
r	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.20	3681.00	3852.44	
s	Normative SHR	Kcal/ KWh	2,500	2,500	2,500	
t	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
u	GCV of Secondary Fuel (Oil)	Kcal/ml	10.00	10.00	10.00	
v	Normative Auxiliary Consumption	%	9.00	9.00	9.00	
w	ECR for the Period= $((s-(txu))/(r*(q/1000))/(1-v))$	Rs/ KWh		1.568	1.524	
x	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
y	Change in ECR (w-x)	Rs/ KWh		0.041	-0.003	
z	Scheduled Generation during the Period	Kwh		305,958,120	179,217,500	
aa	FCA Claim for the Period (yX z)	Rs		12544282.92	-537,653	12,006,630

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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : - 1x500 MW KW Extn

	Description	Unit	Considered in Tariff order	For Month of Dec-18	For Month of Jan-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.168630	0.194205	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.168630	0.194205	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000337260	0.000388410	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.168292740	0.193816590	
g	Amount charged by the Coal / Lignite Company	(Rs.)		299,488,262.85	344,909,672.42	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			-1635418.31	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		299488262.85	343,274,254.11	
j	Rate of Coal for the period Charged by Coal Company = (i/(f*10^6))	Rs/MT		1779.57	1771.13	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal company (j+k)	Rs/MT	1,609.77	1779.57	1771.13	
m	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,690.52	1,860.32	1,851.88	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,400.59	3,466	3,678	
p	Normative SHR	Kcal/ KWh	2,375	2,375	2,375	
q	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
t	ECR for the Period= ((p-(qxr))/(o)*(n/1000))/(1-s)	Rs/ KWh		1.343	1.259	
u	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
v	Change in ECR (t-u)	Rs/ KWh		0.1	0.016	
w	Scheduled Generation during the Period	KWh		336,319,750	310,540,940	
x	FCA Claim for the Period (vXw)	Rs		33631975	4,968,655	38,600,634

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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Marwa Thermal Power Plant - MTPP

	Month	Unit	Considered in Tariff order	For Month of Dec-18	For Month of Jan-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.32497003	0.31730023	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0.00003856		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.32500859	0.31730023	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002600069	0.002538402	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.322408521	0.314761828	
g	Amount charged by the Coal / Lignite Company	(Rs.)		713290326.75	702586336.16	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		4,035,951.88	-6,013,464.13	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		717326278.63	696572872.03	
j	Rate of Coal for the period Charged by Coal Company = (i/(fX10^6))	Rs/MT		2224.90	2213.02	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal company (j+k)	Rs/MT		2224.9	2213.02	
m	Transportation Cost Paid to railways	Rs		79865631.00	78837989.00	
n	Transportation Charge rate paid to Railways (m/(fX10^6))	Rs/MT		247.72	250.47	
o	Other Charges (per Ton) towards transportation	Rs/MT				
p	Total per ton Transportation Charges (n+o)			247.72	250.47	
q	Landed Price of Coal per MT ((l+p)	Rs./MT	1,535	2,472.62	2,463	
r	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29	3,598	3,701	
s	Normative SHR	Kcal/ KWh	2,378	2,378	2,378	
t	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
u	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
v	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
w	ECR for the Period= ((s-(txu))/(r)*(q/1000))/(1-v)	Rs/ KWh		1.721	1.667	
x	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
y	Change in ECR (w-x)	Rs/ KWh		0.348	0.294	
z	Scheduled Generation during the Period	Kwh		523,083,750	256,721,500	
aa	FCA Claim for the Period (yX z)	Rs		182033145	75476121	257,509,266

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Computation of Qpp and Qrs

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	2838493560	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango) ✓	Q_2	10380734	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydle Station of CSPGCL + CoGen Kawardha)	Q_3	2404720 ✓	KwH
4	Quantum of scheduled power purchased from CGs at state periphery (CSPTrdCL+NTPC+NSPCL+NPCIL+OHPCL+NHPCL+Bundle Power+SECI)	Q_4	1638134793	KwH
5	PGCIL actual losses for the bi-monthly period	L_1	2.86%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L_1)$	1591284138 ✓	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	208538350 ✓	KwH
8	Quantum of actual short term and long term power purchased from State IPPs and CGPs	Q_7	0	KwH
9	Quantum of scheduled short term purchased through inter-state route (IEX)	Q_8	124886200 ✓	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9=Q_8(1-L_1)$	121314455 ✓	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	Q_{10}	36036702 ✓	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	4808452659 ✓	KwH
13	Normative transmission and distribution losses as specified inth Tariff order	L	16.54%	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	Q_{PT}	809668350 ✓	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	3998784309 ✓	KwH

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