

Date: 30-Nov-2023

Ref. No: Q/GM Office/1941

To,

The Director,

Bureau of Energy Efficiency,

Ministry of Power, Govt. of India

4<sup>th</sup> Floor, Sewa Bhawan,

R. K. Puram, New Delhi - 110066 (INDIA)

Sub: Submission of periodic energy accounting report for the 2<sup>nd</sup> quarter of 2023-24 (From 1<sup>st</sup> July 23 to 30<sup>th</sup> Sep 23)

Ref: The Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021 notification dated 07-Oct-2021.

Respected Sir,

With reference to the subject matter, Torrent Power Limited (TPL), Ahmedabad is hereby submitting soft copy of periodic energy accounting report for the 2<sup>nd</sup> quarter of 2023-24 (From 1<sup>st</sup> July 23 to 30<sup>th</sup> Sep 23) of Financial Year, 2023-24 through e-mail. We are enclosing herewith the general information, performance summary of Electricity Distribution Companies, details of input infrastructure, details of Division wise losses, details of Input energy (Details of Input energy & Infrastructure) and details of consumer summary of energy.

We would hereby like to draw your attention to the fact that we are operating our power network in Ring main system, hence we are not in position to provide the feeder wise losses details. However, overall Distribution loss is submitted.

This is in compliance to the regulatory requirement please.

Thanking You.

Yours Faithfully,



(Abhijit Joshi)

General Manager

TPL-Ahmedabad

#### TORRENT POWER LIMITED

**Registered Office:** "Samanvay", 600, Tapovan, Ambawadi, Ahmedabad-380015, India. [www.torrentpower.com](http://www.torrentpower.com) **CIN :** L31200GJ2004PLC044068

**Ahmedabad Zonal Offices:** **Naranpura:** Sola Road, 380013. **Shahpur:** Opp. Jubilee House, 380001. **Amraiwadi:** Nr. Indira Nagar,

Amraiwadi Road, 380026. **Shrinandnagar:** Beside Shrinandnagar – IV, Vejalpur, 380055. **Naroda:** Memco Cross Road, 382421,

**Gandhinagar:** Plot No. 8-9, SECTOR-11, CHH-3, 392010.

**Phone Nos:** 079-25502881-88 / 27492222 / 22772020 / 7096032001-20 – **Fax No. :** 079-27492222-Ext. - 5810

General Information			
1	Name of the DISCOM	Torrent Power Limited-Ahmedabad	
2	i)Year of Establishment	2004	
	ii)Government/Public/Private	Private	
3	DISCOM's Contact details & Address		
i	City/Town/Village	Ahmedabad	
ii	District	Ahmedabad	
iii	State	Gujarat	Pin 380013
iv	Telephone	079-27492222	Fax -
4	Registered Office		
i	Company's Chief Executive Name	Sh. Sudhir Prasad	
ii	Designation	Executive Director	
iii	Address	Torrent Power Ltd. "Samanvay" 600, Tapovan, Ambawadi	
iv	City/Town/Village	Ahmedabad	P.O.
v	District	Ahmedabad	
vi	State	Gujarat	Pin 380013
vii	Telephone	079-22551912	Fax -
5	Nodal Officer Details*		
i	Nodal Officer Name (Designated at DISCOM's)	Sh. Abhijit Joshi	
ii	Designation	General Manager	
iii	Address	Amaraiwadi Zonal Office, Near Indiaranagar	
iv	City/Town/Village	Ahmedabad	P.O.
v	District	Ahmedabad	
vi	State	Gujarat	Pin 380026
vii	Telephone	7069008390	Fax -
6	Energy Manager Details*		
i	Name	Sh. Bhavik Shah	
ii	Designation	Asst. General Manager	Whether EA or EM EM
iii	EA/EM Registration No.	EA-7392	
iv	Telephone		Fax -
v	Mobile	+91-9227758405	E-mail ID bhavikshah@torrentpower.com
7	Period of Information		
	Year of (FY) information including Date and Month (Start & End)	1st July, 2023 - 30th September, 2023	

**Performance Summary of Electricity Distribution Companies**

<b>1</b>	Period of Information Year of (FY) information including Date and Month (Start & End)	1st July, 2023 - 30th September, 2023	
<b>2</b>	<b>Technical Details</b>		
<b>(a)</b>	<b>Energy Input Details</b>		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	2439.27
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	2429.70
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)	Million kwh	2352.45
<b>(b)</b>	Transmission and Distribution (T&D) loss Details	Million kwh	77.25
		%	3.18%
	Collection Efficiency	%	102.50%
<b>(c)</b>	Aggregate Technical & Commercial Loss	%	0.76%

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal



Signature:-



Name of Energy Manager:  
Sh. Bhavik Shah

Name of Authorised Signatory: Sh. Abhijit Joshi

Registration Number: EA-7392

Name of the DISCOM: Torrent Power Limited-Ahmedabad

Full Address:- Amaraiwadi Zonal Office, Near Indiaranagar

Seal



**Form-Details of Input Infrastructure**

1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	-			
ii	Number of divisions	-			
iii	Number of sub- divisions	-			
iv	Number of feeders	1616			Total feeders at 66kV and above = 59 33kV = 122 11/22kV = 1435
V	Number of DTs	9418			
VI	Number of consumers	2084960			
2	Parameters	66kV and above	33kV	11/22kV	LT
a.i.	Number of conventional metered consumers				2083312
ii	Number of consumers with "Smart" meters				
iii	Number of consumers with 'smart prepaid' meters				
iv	Number of consumers with 'AMR' meters	3	9	1636	0
V	Number of consumers with 'non-smart prepaid' meters				
VI	Number of unmetered consumers				
vii	Number of total consumers	3	9	1636	2083312
b.i.	Number of conventionally metered Distribution Transformers				
ii	Number of DTs with communicable meters			9418	
iii	Number of unmetered DTs			0	
IV	Number of total Transformers			9418	
c.i.	Number of metered feeders			0	
ii	Number of feeders with communicable meters	59	122	1435	
iii	Number of unmetered feeders			0	
iv	Number of total feeders	59	122	1435	
d.	Line length (ct km)			50623.28	UG + OH cable length from 400 kV, 220kV, 132 kV, 66kV, 11kV, LT
e.	Length of Aerial Bunched Cables			0.50	
f.	Length of Underground Cables			50346.91	UG cable length for 220 kV, 132 kV, 66 kV, 11 kV and LT
3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	1332.61		
		Medium Conventional			
		Short Term Conventional	827.12		
		Banking			
		Long-Term Renewable energy	262.75		
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of inter-state transmission loss			
		Power procured from inter-state sources	0.00		
		Power at state transmission boundary	2,422.47		
ii	33kV	Long-Term Conventional			
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss			
		Power procured from intra-state sources			
		Input in DISCOM wires network	2,422.47		
iii					
iv	33 kV	Renewable energy			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement	1.15		

		Small capacity conventional/ biomass/ hydro plants Procurement			
		Sales Migration Input			
vi	LT	Renewable Energy Procurement	6.08		
		Sales Migration Input			
vii		Energy Embedded within DISCOM wires network	7.23		
viii		Total Energy Available/ Input	2429.70		
4	<b>Voltage level</b>	<b>Energy Sales Particulars</b>	<b>MU</b>	<b>Reference</b>	<b>Remarks (Source of data)</b>
i	LT level	DISCOM' consumers	1773.51		
		Demand from open access, captive			
		Embedded generation used at LT level			
		Sale at LT Level	1773.51		
		Quantum of LT level losses			
		Energy Input at LT level			
ii	11 kV level	DISCOM' consumers	525.22		
		Demand from open access, captive			
		Embedded generation at 11 kV level used			
		Sale at 11 kV Level	525.22		
		Quantum of Losses at 11 kV			
		Energy Input at 11 kV level			
iii	33 kV level	DISCOM' consumers	41.68		
		Demand from open access, captive			
		Embedded generation at 33 kV or below level			
		Sale at 33 kV Level	41.6791		
		Quantum of Losses at 33 kV			
		Energy input at 33kV level			
iv	> 33 kV	DISCOM' consumers	12.0380		
		Demand from open access, captive			
		Cross border sale of energy			
		Sale to other DISCOMs			
		Banking			
		Energy input at 33kV> level			
		Sales at 66kV and above (EHV)	12.038		
		<b>Total Energy Requirement</b>	2,429.70		
		<b>Total Energy Sales</b>	2352.451		

**Energy Accounting Summary**

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	2429.70	1773.514	77.25	3.18%
ii	11 Kv		525.220		
iii	33 kv		41.679		
iv	> 33 kv		12.038		
6	<b>Open Access, Captive</b>	<b>Input (in MU)</b>	<b>Sale (in MU)</b>	<b>Loss (in MU)</b>	<b>Loss %</b>
i	LT				
ii	11 Kv				
iii	33 kv				
iv	> 33 kv				

**Loss Estimation for DISCOM**

T&D loss	77.25
D loss	77.25
T&D loss (%)	3.18%
D loss (%)	3.18%



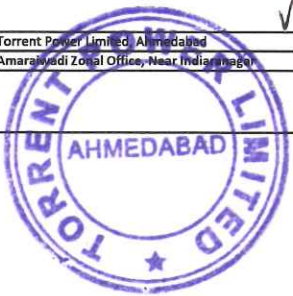
Details of Division Wise Losses (See note below \*\*)

Division Wise Losses																							
Sr No	Name of circle	Circle code	Name of Division	Consumer profile								Energy parameters					Losses		Commercial Parameter			AT & C loss (%)	
				Consumer category	No of connection metered (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load metered (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Billed energy (MU)					T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore		Collection Efficiency
1	TPL Ahmedabad			Residential	1592492	0	1592492	76.38%	4126.79	0	4126.79	42.96%	2429.70	924.43	0	924.43	39.30%	77.25	3.18%	2359	2418.23	102.50%	0.76%
				Agricultural	281	0	281	0.01%	4.80	0	4.80	0.05%		0.78	0	0.78	0.03%						
				Commercial / Industrial- LT *(Non-RGP, LTMD-1&2)	484454	0	484454	23.24%	4474.28	0	4474.28	46.58%		823.68	0	823.68	35%						
				Commercial / Industrial-/*pumping- HT	1648	0	1648	0.08%	925.83	0	925.83	9.64%		578.94	0	578.94	25%						
				Others	6085	0	6085	0.29%	74.23	0	74.23	0.77%		24.62	0	24.62	1%						
Sub-total				2084960	0	2084960	100%	9605.92	0	9606	100%	2429.70	2352.45	0.00	2352	100%	77.25	3.18%	2359.30	2418.23	102.50%		
76	Total			Residential	1592492	0	1592492	76.38%	4126.79	0	4126.79	42.96%	2429.70	924.43	0.00	924.43	39.30%	77.25	3.18%	2359	2418.23	102.50%	0.76%
				Agricultural	281	0	281	0.01%	4.80	0	4.80	0.05%		0.78	0.00	0.78	0.03%						
				Commercial / Industrial- LT	484454	0	484454	23.24%	4474.28	0	4474.28	46.58%		823.68	0.00	823.68	35.01%						
				Commercial / Industrial- HT	1648	0	1648	0.08%	925.83	0	925.83	9.64%		578.94	0.00	578.94	24.61%						
				Others	6085	0	6085	0.002918521	74.23	0	74.23	0.00772729		24.62	0	24.62	0.0104658						
77	At company level			0	0	0	100%	0	0	0	100%	0	0	0	100%						0.00%		

\*\* Note - It shall be mandatory to record the energy supplied separately for each category of consumers which is being provided a separate rate of subsidy in the tariff, by the state government, so that the subsidy due for the electricity distribution company is quarterly calculated by multiplying the energy supplied to each of such category of consumers by the applicable rate of subsidy notified by the state government.

Color code	Parameter
	Please enter name of circle
	Please enter circle code
0	Please enter numeric value or 0
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I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affecte I/we undertake to indemnify such loss.

Authorised Signatory and Seal		Signature	
Name of Discom	Torrent Power Limited, Ahmedabad	Name of Energy Manager :	Sh. Bhavik Shah
Full Address:-	Amaravadi Zonal Office, Near Indira Nagar	EA/EM Registration No.	EA-7392
Seal			

**Form-Input energy(Details of Input energy & Infrastructure)**  
**A. Summary of energy input & Infrastructure**

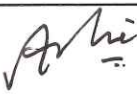
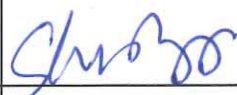
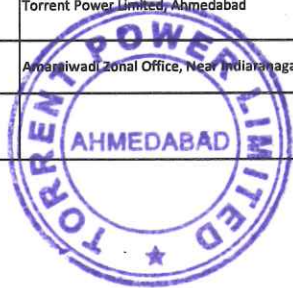
S.No	Parameters	1st July, 2023 - 30th September, 2023	Remarks (Source of data)
A.1	Input Energy purchased (MU)	2439.27	
A.2	Transmission loss (%)	0.39%	
A.3	Transmission loss (MU)	9.57	
A.4	Energy sold outside the periphery(MU)	0	
A.5	Open access sale (MU)	0	
A.6	EHT sale	0	
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	2429.70	
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	Yes	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	Yes	
A.10	% of metering available at DT	100%	
A.11	% of metering available at consumer end	100%	
A.12	No of feeders at 66kV voltage level	59	No of feeders at 66kV voltage level=1 No of feeders at greater than 66kV voltage level=58
A.13	No of feeders at 33kV voltage level	122	
A.14	No of feeders at 11kV voltage level	1435	
A.15	No of LT feeders level	0	
A.16	Line length (ckt. km) at 66kV voltage level	458.35	OH line and UG cable length for 66 kV,132 kV, 220 kV, 400 kV
A.17	Line length (ckt. km) at 33kV voltage level	574.47	
A.18	Line length (ckt. km) at 11kV voltage level	7093.80	
A.19	Line length (km) at LT level	42496.66	
A.20	Length of Aerial Bunched Cables	0.50	
A.21	Length of Underground Cables	50346.91	UG cable length for 220 kV, 132 kV, 66 kV,33kV, 11 kV and LT
A.22	HT/LT ratio	0.19	

B. Meter reading of Input energy at injection points

S NO	Zone	Circle	Voltage Level (KVA)	Division (KVA)	Sub-Division (KVA)	Feeder ID	Feeder Name	Feeder Metering Status (Metered/unmetered/AMI/AMR)	Status of Meter (Functional/Non-functional)	Metering Date	Date of last actual meter reading/communication	Feeder Type (Agricultural/Industrial/Mixed)	Status of Communication			1st July, 2023 - 30th September, 2023				Sales	Remarks (Source of data)	
													% data received automatically if feeder AMR/AMI	Number of hours when meter was unable to communicate in period	Total Number of hours in the period	Meter S.No	CT/PT ratio	Import (MU)	Export (MU)			
							TPL -G (APP)															
							SUGEN															
							UNOSUGEN															
							Bilateral															
							Power Exchange															
							Renewables															
							Sale of surplus power/UI/ Wind Setoff															
							Transmission Losses															
							TPL-D (Surat) Requirement															
B.1001	Total (MU)															2429.70		2352.45				
B.1002	Net input energy at DISCOM periphery (MU)															2429.70						

Color code	Parameter
	Please enter voltage level or leave blank
	Please enter feeder id and name or leave blank
	Enter meter no or leave blank
	Enter CT/PT ratio or leave blank
0	Please enter numeric value or 0
	Please select yes or no from list
	Formula protected

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal		Signature	
Name of Discom	Torrent Power Limited, Ahmedabad	Name of Energy Manager :	Sh. Bhavik Shah
Full Address:-	Avganjiwadi Zonal Office, Near Indiana Nagar	EA/EM Registration No.	EA-7392
Seal			



**(Details of Consumers)****Summary of energy sold****1st July, 2023 - 30th September, 2023**

S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No. of Consumers	Total Consumption (In MU)
i	Domestic	LT	440	1592492	924.43
2	Commercial / *Industrial (Non-RGP)	LT	440	444745	315.72
3	IP Sets				
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)				
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)				
6	Heating and Motive Power				
7	Water Supply				
8	Public Lighting	LT	440	4531	11.83
9	HT Water Supply	HT	11000	250	35.06
10	HT Industrial /*Commercial	HT/EHT	11000/33000/132000	1398	543.88
11	Industrial (Small)				
12	Industrial (Medium)/*Commercial(Medium) LTMD-1&2	LT	440	39709	507.96
13	HT Commercial				
14	Applicable to Government Hospitals & Hospitals				
15	Lift Irrigation Schemes/Lift Irrigation Societies				
16	HT Res. Apartments Applicable to all areas				
17	Mixed Load				
18	Government offices and department				
19	Others-1 (if any , specify in remarks)	LT	0.4	1835	13.57
20	Others-2 (if any , specify in remarks)				
21	Others-3 (if any , specify in remarks)				
22	Others-4 (if any , specify in remarks)				
23	Others-5 (if any , specify in remarks)				
			<b>Total</b>	<b>2084960</b>	<b>2352.45</b>