

Q/GM Office/ 0057

Date: 16-Apr-2022

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 2021-22 (From 1<sup>st</sup> Jul,21 to 30<sup>th</sup> Sep,21)

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 (1<sup>st</sup> Jul,21 to 30<sup>th</sup> Sep,21) of Financial Year, 2021-22 through e-mail. We are enclosing herewith the general information, performance summary of Electricity Distribution Companies, details of input infrastructure, detail of Division wise losses, details of Input energy (Details of Input energy & Infrastructure) and details of consumer summary of energy.

We would herby 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

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### 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,


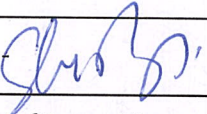
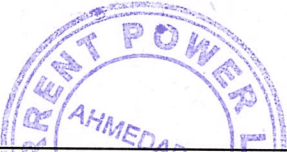
**Gandhinagar:** Plot No. 283-284, Sector 16, GH-4-5, 382016.

**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			
	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. Varun Mehta		
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	Surat		
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	<a href="mailto:bhavikshah@torrentpower.com">bhavikshah@torrentpower.com</a>
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st Jul, 2021 - 30th Sep, 2021		

## Performance Summary of Electricity Distribution Companies

<b>1</b>	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Jul, 2021 - 30th Sep, 2021	
<b>2</b>	<b>Technical Details</b>		
<b>(a)</b>	<b>Energy Input Details</b>		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	2269.49
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	2265.61
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)	Million kwh	2162.16
<b>(b)</b>	Transmission and Distribution (T&D) loss Details	Million kwh	103.45
		%	4.57%
	Collection Efficiency	%	101.13%
<b>(c)</b>	Aggregate Technical & Commercial Loss	%	3.49%
<p>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.</p>			
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	1307				
v	Number of DTs	9000				
vi	Number of consumers	2021253				
2	Parameters	66kV and above	33kV	11/22kV	LT	
a. i.	Number of conventional metered consumers			0	2019749	
ii	Number of consumers with "Smart" meters	0		0	0	
iii	Number of consumers with 'smart prepaid' meters	0		0	0	
iv	Number of consumers with 'AMR' meters	2	13	1489	0	
v	Number of consumers with 'non-smart prepaid' meters	0		0	0	
vi	Number of unmetered consumers	0		0	0	
vii	Number of total consumers	2	13	1489	2019749	
b.i.	Number of conventionally metered Distribution Transformers					
ii	Number of DTs with communicable meters			9000		
iii	Number of unmetered DTs			0		
iv	Number of total Transformers			9000		
c.i.	Number of metered feeders			0		
ii	Number of feeders with communicable meters	54	108	1307		
iii	Number of unmetered feeders			0		
iv	Number of total feeders	54	108	1307		
d.	Line length (ct km)			1.07		
e.	Length of Aerial Bunched Cables			0.5		
f.	Length of Underground Cables			45036		
3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above	Long-Term Conventional	1860.03			
		Medium Conventional				
		Short Term Conventional	122.07			
		Banking				
		Long-Term Renewable energy	280.09			
		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	2,262.19					
ii	33kV	Long-Term Conventional				
		Medium Conventional				
		Short Term Conventional				
		Banking				
		Long-Term Renewable energy				
		Medium and Short-Term				
		Captive, open access input				
		Sale of surplus power				
		Quantum of intra-state transmission loss	0			
		Power procured from intra-state sources	0			
iii		Input in DISCOM wires network	2,262.19			
iv	33 kV	Renewable energy				
		Small capacity conventional/ biomass/ hydro plants Procurement				

		Captive, open access input				
v	11 kV	Renewable Energy Procurement	1.08			
		Small capacity conventional/ biomass/ hydro plants Procurement				
		Sales Migration Input				
vi	LT	Renewable Energy Procurement	2.34			
		Sales Migration Input				
vii		Energy Embedded within DISCOM wires network	3.42			
viii		Total Energy Available/ Input	2,265.61			
4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)	
i	LT level	DISCOM' consumers	1635.29	Board Data		
		Demand from open access, captive	0	Non DISCOM's sales		
		Embedded generation used at LT level	0	Demand from embedded generation at LT level		
		Sale at LT Level	1,635.29			
		Quantum of LT level losses				
		Energy Input at LT level				
ii	11 kV level	DISCOM' consumers	456.79	Board Data & HT Customer Data File		
		Demand from open access, captive	0	Non DISCOM's sales		
		Embedded generation at 11 kV level used	0	Demand from embedded generation at 11 kV level		
		Sale at 11 kV Level	456.79			
		Quantum of Losses at 11 kV level				
		Energy Input at 11 kV level				
iii	33 kV level	DISCOM' consumers	68.25	Board Data & HT Customer Data File		
		Demand from open access, captive	0	Non DISCOM's sales		
		Embedded generation at 33 kV or below level	0	This is DISCOM and OA demand met via energy generated at same voltage level		
		Sale at 33 kV Level	68.25			
		Quantum of Losses at 33 kV				
		Energy input at 33kV Level				
iv	> 33 kV	DISCOM' consumers	1.82	Board Data & HT Customer Data File		
		Demand from open access, captive	0	Non DISCOM's sales		
		Cross border sale of energy	0			
		Sale to other DISCOMs	0			
		Banking	0			
		Energy input at 33kV> Level				
		Sales at 66kV and above (EHV)	1.82			
Total Energy Requirement			2,265.61			
Total Energy Sales			2,162.16			
Energy Accounting Summary						
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	
i	LT	2265.61	1635.29	103.45	4.57%	
ii	11 Kv		456.79			
iii	33 kv		68.25			
iv	> 33 kv		1.82			
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	
i	LT					
ii	11 Kv					
iii	33 kv					
iv	> 33 kv					

Loss Estimation for DISCOM	
T&D loss	103.45
D loss	103.45
T&D loss (%)	4.57%
D loss (%)	4.57%

Form-Input energy(Details of Input energy & Infrastructure)			
A. Summary of energy input & Infrastructure			
S.No	Parameters	Period from 1st Jul, 21 to 30th Sep, 21	Remarks (Source of data)
A.1	Input Energy purchased (MU)	2269.49	
A.2	Transmission loss (%)	0.00%	
A.3	Transmission loss (MU)	0.00	
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)	2265.61	
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	1	
A.13	No of feeders at 33kV voltage level	108	
A.14	No of feeders at 11kV voltage level	1307	
A.15	No of LT feeders level	0	
A.16	Line length (ckt. km) at 66kV voltage level	46.57	
A.17	Line length (ckt. km) at 33kV voltage level	503.37	
A.18	Line length (ckt. km) at 11kV voltage level	6702.22	
A.19	Line length (km) at LT level	0	
A.20	Length of Aerial Bunched Cables	0.50	
A.21	Length of Underground Cables	38406.04	
A.22	HT/LT ratio	0.17	

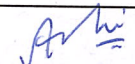
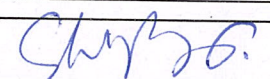
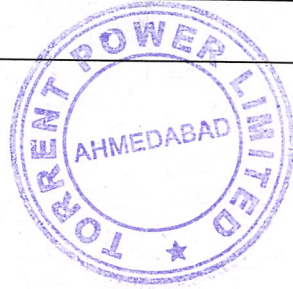
**Details of Division Wise Losses (See note below \*\*)**

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			
													Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy							% of energy consumption	
1	TPL Ahmedabad			Residential	1553246	0	1553246	76.85%	3948	0	3948	44.55%	2265.61	866.20	0	866	40.06%	103.45	4.57%	1819	1839.76	101.13%	3.49%	
				Agricultural	304	0	304	0.02%	6	0	6	0.06%		0.77	0	1	0.04%							
				Commercial / Industrial- LT	459650	0	459650	22.74%	3853	0	3853	43.47%		746.41	0	746	35%							
				Commercial / Industrial- HT	1504	0	1504	0.07%	771	0	771	8.70%		526.87	0	527	24%							
				Others	6549	0	6549	0.32%	285	0	285	3.22%		21.90	0	22	1%							
<b>Sub-total</b>					2021253	0	2021253	100%	8863	0	8863	100%	2265.61	2162.16	0.00	2162	100%	103.45	4.57%	1819.28	1839.76	101.13%		
76	Total			Residential	1553246	0	1553246	76.85%	3948	0	3948	44.55%	2265.61	866	0.00	866	40.06%	103.45	4.57%	1819	1839.76	101.13%	3.49%	
				Agricultural	304	0	304	0.02%	6	0	6	0.06%		1	0.00	1	0.04%							
				Commercial / Industrial- LT	459650	0	459650	22.74%	3853	0	3853	43.47%		746	0.00	746	34.52%							
				Commercial / Industrial- HT	1504	0	1504	0.07%	771	0	771	8.70%		527	0.00	527	24.37%							
				Others	6549	0	6549	0.03240069	285.336	0	285.336	0.032195635		21.90323876	0	21.9032388	0.01013028							
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.**

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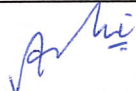

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Authorised Signatory and Seal		Signature	
Name of Discom	Torrent Power Limited, Ahmedabad	Name of Energy Manager :	Sh. Bhavik Shah
Full Address:-	Amarawadi Zonal Office, Near Indlranagar	EA/EM Registration No.	EA-7392
Seal			

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	Feeder Type (Agricultural/Industrial/Mixed)	Status of Communication			Period for 1st Jul, 21 - 30th Sep, 21				Sales	Remarks (Source of data)
										Date of last actual meter reading/communication		% 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)										602.75	0	2162.16	
							SUGEN										1434.07	0		
							UNOSUGEN										561.44	0		
							Bilateral										0.00	0		
							Power Exchange										236.37	0		
							Renewables										395.50	0		
							Sale of surplus power/UI/ Wind Setoff										-40.86	0		
							Transmission Losses										-11.12	0		
							TPL-D (Surat) Requirement										-912.53	0		
B.1001	Total (MU)															2265.61	0	2162.16		
B.1002	Net input energy at DISCOM periphery (MU)															2265.61				

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:-	Amaraiwadi Zonal Office, Near Indiaranagar	EA/EM Registration No.	EA-7392
Seal	