

Ref. No. : TPLS/BEE/271

Date: 13-Apr-2022

To,
The Director,
Bureau of Energy Efficiency,
Ministry of Power, Govt. of India
4th Floor, Sewa Bhawan,
R. K. Puram, New Delhi - 110066 (INDIA)

Sub: Submission of periodic energy accounting report for the 2nd quarter of 2021-22 (From 1st Jul,21 to 30th Sep,21)

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

Respected Sir,

With reference to the subject matter, Torrent Power Limited (TPL), Surat is hereby submitting this periodic energy accounting report for the 2nd Quarter (1st Jul,21 to 30th Sep,21) of Financial Year, 2021-22 in the soft copy 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.

Here, we would like to draw your attention that we are operating network in Ring main system, hence unable to provide the feeder wise losses details. However, overall Distribution loss is submitted.

This is in complies to the regulatory requirement please.

Thanking You.

Yours Faithfully,



(Z.M. Goti)

General Manager

TPL-Surat

TORRENT POWER LIMITED

CIN : L31200GJ2004PLC044068

Torrent House, Station Road, Surat - 395 003. Gujarat. India. Phone : +91 261 2400240, 98240 09930 Email : connect.srt@torrentpower.com
Reg. Office : "Samanvay", 600 Tapovan, Ambawadi, Ahmedabad - 380015 India. Phone : 079 - 26628000 www.torrentpower.com

General Information

1	Name of the DISCOM	Torrent Power Limited-Surat		
2	i) Year of Establishment			
	ii) Government/Public/Private	Private		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Surat		
ii	District	Surat		
ii	State	Gujarat	Pin	395003
i	Telephone	0261-2400240	Fax	-
4	Registered Office			
i	Company's Chief Executive Name	Sh. Varun Mehta		
ii	Designation	Executive Director		
ii	Address	Torrent Power Ltd. "Samanvay" 600, Tapovan, Ambawadi		
i	City/Town/Village	Ahmedabad	P.O.	
v	District	Ahmedabad		
v	State	Gujarat	Pin	380013
v	Telephone	079-22551912	Fax	-
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Sh. Zaver Goti		
ii	Designation	General Manager		
ii	Address	Torrent House, Station Road, Surat		
i	City/Town/Village	Surat	P.O.	Mahidharpura post office, Surat
v	District	Surat		
v	State	Gujarat	Pin	395003
v	Telephone	0261-2400240	Fax	-
6	Energy Manager Details*			
i	Name	Sh. Hemal Upadhyay		
ii	Designation	Asst. Geneal Manager	Whether EA or EM	EA
ii	EA/EM Registration No.	EA-2891		
i	Telephone		Fax	-
v	Mobile	9824370053	E-mail ID	hemalupadhyay@torrentpower.com
7	1			
	Year of (FY) information including Date and Month (Start & End)	1st Jul, 2021 to 30th Sep, 2021		

Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Jul, 2021 to 30th Sep, 2021	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	919.78
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	912.53
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	879.59
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	32.94
		%	3.61%
	Collection Efficiency	%	95.79%
(c)	Aggregate Technical & Commercial Loss	%	7.67%

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. Hemal Upadhyay

Name of Authorised Signatory: Sh. Zaver Goti

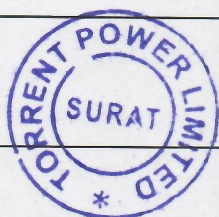
Registration Number: EA-2891

Name of the DISCOM: Torrent Power Limited-Surat

Full Address:-

Torrent House, Station Road, Surat

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	436			CEA - Format 51-52	11 kV feeder considered
v	Number of DTs	2692			MIS	
vi	Number of consumers	624849				
2	Parameters	66kV and above	33kV	11/22kV	LT	
a.i	Number of conventional metered consumers			0	624593	
ii	Number of consumers with "Smart" meters			0	0	
iii	Number of consumers with 'smart prepaid' meters			0	0	
iv	Number of consumers with 'AMR' meters			256	0	
v	Number of consumers with 'non-smart prepaid' meters			0	0	
vi	Number of unmetered consumers			0	0	
vii	Number of total consumers			256	624593	
b.i.	Number of conventionally metered Distribution Transformers			0		
ii	Number of DTs with communicable meters			2692		
iii	Number of unmetered DTs			0		
IV	Number of total Transformers			2692		
c.i.	Number of metered feeders			0		
ii	Number of feeders with communicable meters			436		
iii	Number of unmetered feeders			0		
iv	Number of total feeders			436		
d.	Line length (ct km)			0		HT+LT
e.	Length of Aerial Bunched Cables			0		HT+LT
f.	Length of Underground Cables			4896		HT+LT
3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above	Long-Term Conventional	734.35	Includes input energy for franchisees	Amgen, Sugan and Unosugen	
		Medium Conventional	0.00			
		Short Term Conventional	73.43		IEX/PXIL/UI - SLDC	
		Banking				
		Long-Term Renewable energy	111.00			Wind:CLP/WF-others/TPL Wind, Solar:KINDLE/Solargen/Gensu/Others
		Medium and Short-Term RE			Includes power from bilateral/PX/ DEEP	
		Captive, open access input			Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power				
		Quantum of inter-state transmission loss			As confirmed by SLDC, RLDC etc	
Power procured from inter-state sources	918.78		Based on data from Form 5			
Power at state transmission boundary	918.78					
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	918.78			
iv	33 kV	Renewable energy				
		Small capacity conventional/ biomass/ hydro plants Procurement				
v	11 kV	Captive, open access input				
		Renewable Energy Procurement	1.00			
vi	LT	Small capacity conventional/ biomass/ hydro plants Procurement				
		Sales Migration Input				
vii		Renewable Energy Procurement				
		Sales Migration Input				
viii		Energy Embedded within DISCOM wires network	1.00			
		Total Energy Available/ Input	919.78			

4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)
i	LT level	DISCOM' consumers	778.82	Include sales to consumers in franchisee areas, unmetered consumers	
		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	778.82		
		Quantum of LT level losses			
		Energy Input at LT level			
ii	11 kV level	DISCOM' consumers	100.78	Include franchisee sales, unmetered consumers	
		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	100.78		
		Quantum of Losses at 11 kV			
		Energy Input at 11 kV level			
iii	33 kV level	DISCOM' consumers	0	Include sales to franchisee areas, unmetered consumers	
		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	0		
		Quantum of Losses at 33 kV	0		
		Energy input at 33kV Level	0		
iv	> 33 kV	DISCOM' consumers	0	Include franchisee sales, unmetered consumers	
		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)	0		
		Total Energy Requirement	912.53		
Total Energy Sales	879.59				

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	912.53	778.82	32.94	3.61%
ii	11 Kv		100.78		
iii	33 kv		0		
iv	> 33 kv		0		
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	32.94
D loss	32.94
T&D loss (%)	3.61%
D loss (%)	3.61%

Details of Division Wise Losses (see note below)**

Division Wise Losses


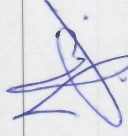
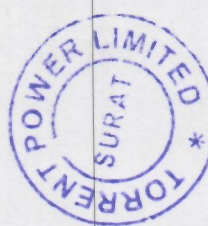
Period from 1st Jul, 2021 to 30th Sep, 2021

S.N.	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	Input energy (MU)	Metered energy	Unmetered/assessament energy	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)		Billed Amount in Rs. Crore	Collected Amount in Rs. Crore
1	TPL Surat		Surat	Residential	418506	0	418506	67%	829	0	829	38%	218	0.16	218	25%						
				Agricultural	229	0	229	0%	1	0	1	0%	0.21	0	0	0%						
				Commercial / Industrial- LT	205858	0	205858	33%	1213	0	1213	56%	912.53	0.03	561	64%	32.94	3.61%	706.18	676.46	95.79%	7.67%
				Commercial / Industrial- HT	256	0	256	0.04%	126	0	126	6%	101	0	101	11%						
				Others	0	0	0	0%	0	0	0	0%	0	0	0	0%						
Sub total				624849	0	624849	100%	2168.26	0	2168.26	100%	912.53	0.18	879.59	100%	32.94	3.61%	706.18	676.46	95.79%	7.67%	
76	Total		Residential	418506	0	418506	66.98%	829	0	829	38.22%	218	0.16	218	24.79%			706	676.46	95.79%		
			Agricultural	229	0	229	0.04%	1	0	1	0.03%	0	0.00	0	0.02%			0	0.00	0.00%		
			Commercial / Industrial- LT	205858	0	205858	32.95%	1213	0	1213	55.93%	912.53	0.03	561	63.73%	32.94	3.61%	0	0.00	0.00%	7.67%	
			Commercial / Industrial- HT	256	0	256	0.04%	126	0	126	5.81%	101	0.00	101	11.46%			0	0.00	0.00%		
			Others	0	0	0	0%	0	0	0	0%	0	0	0	0			0	0.00	0.00%		
At company level				624849	0	624849	100%	2168.26	0	2168.26	100%	912.53	0.18	879.59	100%	32.94	3.61%	706.18	676.46	95.79%	7.67%	

** 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.

Col or code	Parameter
0	Please enter name of circle
0	Please enter circle code
0	Please enter numeric value or 0
	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 the DISCOM	Torrent Power Limited-Surat	Name of Energy Manager:	Sh. Hemal Upadhyay
Full Address:-	Torrent House, Station Road, Surat	Registration Number:	EA-2891
Seal			

Form-Input energy(Details of Input energy & Infrastructure)

A. Summary of energy input & Infrastructure

S.No	Parameters	Period from 1st Jul, 2021 to 30th Sep, 2021	Remarks (Source of data)
A.1	Input Energy purchased (MU)	919.78	
A.2	Transmission loss (%)	0%	
A.3	Transmission loss (MU)	0%	
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)	912.53	
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	0	
A.13	No of feeders at 33kV voltage level	0	
A.14	No of feeders at 11kV voltage level	436	
A.15	No of LT feeders level	0	
A.16	Line length (ckt. km) at 66kV voltage level	0	
A.17	Line length (ckt. km) at 33kV voltage level	0	
A.18	Line length (ckt. km) at 11kV voltage level	1619	Underground Cable
A.19	Line length (km) at LT level	0	
A.20	Length of Aerial Bunched Cables	0	
A.21	Length of Underground Cables	3276	LT Underground Cable
A.22	HT/LT ratio	0.49	

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			Period from 1st Jul, 21 to 30th Sep, 21				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)	
B.1	Surat	Surat	220kV			TPL-G (APP)									602.75	0			
B.2	Surat	Surat	220kV			SUGEN									1434.07	0			
B.3	Surat	Surat	220kV			UNOSUGEN									561.44	0			
B.4	Surat	Surat	220kV			Bilateral									0.00	0			879.59
B.5	Surat	Surat	220kV			Power Exchange									236.37	0			
B.6	Surat	Surat	220kV			Renewables									395.50	0			
B.8	Surat	Surat	220kV			Sale of surplus power/UI/ Wind Setoff									-40.86	0			
B.9	Surat	Surat	220kV			Transmission Losses									-11.12	0			
						TPL-D (Abad) Requirement									-2265.61	0			
B.1001															912.53	0.00			879.59
B.1002															912.53				

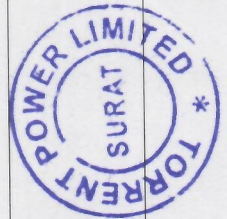
Total (MU)

Net input energy at DISCOM periphery (MU)

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
0	Enter CT/PT ratio or leave blank
	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 the DISCOM	Name of Energy Manager:	Sh. Hemal Upadhyay
Full Address:-	Registration Number:	EA-2891
Seal		



(Details of Consumers)**Summary of Energy Sold**

Period from 1st Jul, 2021 to 30th Sep, 2021

S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No. of Consumers	Total Consumption (In MU)	Remarks (Source of data)
i	Domestic	LT	440	418506	218.02	
2	Commercial	LT	440	143424	121.24	
3	IP Sets	LT	440	229	0.21	
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)					
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)					
6	Heating and Motive Power					
7	Water Supply	LT	440	1	0.03	
8	Public Lighting	LT	440	1324	2.77	
9	HT Water Supply	HT	11000	30	11.60	
10	HT Industrial	HT	11000	226	89.18	
11	Industrial (Small)					
12	Industrial (Medium)	LT	440	60560	434.19	
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	549	2.37	
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)					
24						
42						
			Total	624849	879.59	