

Ref No.: TPLS/BEE/684

Date: 28-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 3rd quarter of Financial Year, 2021-22
(From 1st Oct,21 to 31st Dec,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 3rd quarter of Financial Year, 2021-22 (From 1st Oct,21 to 31st Dec,21) 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,



(Zaver Goti)

General Manager



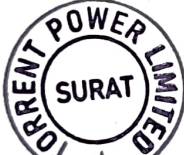
TPL-Surat

TORRENT POWER LIMITED

CIN : L31200GJ2004PLC044068

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	
iii	State	Gujarat	Pin 395003
iv	Telephone	0261-2400240	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. Zaver Goti	
ii	Designation	General Manager	
iii	Address	Torrent House, Station Road, Surat	
iv	City/Town/Village	Surat	P.O. Mahidharpura post office, Surat
v	District	Surat	
vi	State	Gujarat	Pin 395003
vii	Telephone	0261-2400240	Fax -
6	Energy Manager Details*		
i	Name	Sh. Hemal Upadhyay	
ii	Designation	Asst. General Manager	Whether EA or EM EA
iii	EA/EM Registration No.	EA-2891	
iv	Telephone		Fax -
v	Mobile	9824370053	E-mail ID hemalupadhyay@torrentpower.com
7	Period of Information		
	Year of (FY) information including Date and Month (Start & End)	1st Oct,2021 to 31st Dec,2021	

Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Oct,2021 to 31st Dec,2021	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	844.37
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	836.66
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	806.42
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	30.24
		%	3.61%
	Collection Efficiency	%	105.80%
(c)	Aggregate Technical & Commercial Loss	%	-1.98%
<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. 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	437			CEA - Format 51-52	11 kV feeder considered
v	Number of DTs	2718			MIS	
vi	Number of consumers	625998				
2	Parameters	66kV and above	33kV	11/22kV	LT	
a.i.	Number of conventional metered consumers			0	625738	
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			260	0	
v	Number of consumers with 'non-smart prepaid' meters			0	0	
vi	Number of unmetered consumers			0	0	
vii	Number of total consumers			260	625738	
b.i.	Number of conventionally metered Distribution Transformers			0		
ii	Number of DTs with communicable meters			2718		
iii	Number of unmetered DTs			0		
iv	Number of total Transformers			2718		
c.i.	Number of metered feeders			0		
ii	Number of feeders with communicable meters			437		
iii	Number of unmetered feeders			0		
iv	Number of total feeders			437		
d.	Line length (ct km)			0		HT+LT
e.	Length of Aerial Bunched Cables			0		HT+LT
f.	Length of Underground Cables			4952		HT+LT
3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above	Long-Term Conventional	456.22	Includes input energy for franchisees	Amgen, Sugan and Unosugen	
		Medium Conventional	0.00			
		Short Term Conventional	316.47		IEX/PXIL/UI - SLDC	
		Banking				
		Long-Term Renewable energy	67.38		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	840.07		Based on data from Form 5	
Power at state transmission boundary	840.07					
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	840.07			
iv	33 kV	Renewable energy				
		Small capacity conventional/ biomass/ hydro plants Procurement				
		Captive, open access input				
v	11 kV	Renewable Energy Procurement	4.30		Rooftop solar/SMC Solar-Invoices (Within Surat City)	
		Small capacity conventional/ biomass/ hydro plants Procurement				
		Sales Migration input				
vi	LT	Renewable Energy Procurement				
		Sales Migration Input				
vii		Energy Embedded within DISCOM wires network	4.30			
viii		Total Energy Available/ Input	844.37			

4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)
i	LT level	DISCOM' consumers	703.87	Include sales to consumers in franchisee areas, un-metered 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	703.87		
		Quantum of LT level losses			
		Energy Input at LT level			
ii	11 kv level	DISCOM' consumers	102.55	Include franchisee sales, un-metered 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	102.55		
		Quantum of Losses at 11 kv			
		Energy Input at 11 kv level			
iii	33 kv level	DISCOM' consumers	0	Include sales to franchisee areas, un-metered 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, un-metered 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			836.66		Energy requirement at DISCOM Periphery
Total Energy Sales			806.42		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	836.66	703.87	30.24	3.61%
ii	11 Kv		102.55		
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	30.24
D loss	30.24
T&D loss (%)	3.61%
D loss (%)	3.61%




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

Division Wise Losses																									
Period from 1st Oct, 2021 to 31st Dec, 2021																									
S.N o	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/assessment energy	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount In Rs. Crore		Collected Amount In Rs. Crore	Collection Efficiency		
1	TPLD-Surat		Surat	Residential	419171	0	419171	66.96%	833.24	0	833.24	38.10%	836.66	168.85	0.18	169	20.96%	30.24	3.61%	121.74	690.26	105.80%	-1.98%		
				Agricultural	228	0	228	0.04%	0.73	0	0.73	0.03%		0.24	0	0	0.03%			0.07					
				Commercial / Industrial- LT	206339	0	206339	32.96%	1221.10	0	1221.10	55.83%		534.55	0.06	535	66.29%			443.44					
				Commercial / Industrial- MT	260	0	260	0.04%	132.10	0	132.10	6.04%		102.55	0	103	12.72%			87.15					
				Others	0	0	0	0.00%	0.00	0	0.00	0.00%		0.00	0	0	0.00%			0.00					
Sub-total					625998	0	625998	100%	2187.17	0	2187.17	100%	836.66	806.19	0.23	806.42	100%	30.24	3.61%	652.40	690.26	105.80%	-1.98%		
76	Total			Residential	419171	0	419171	66.96%	833.24	0.00	833.24	38.10%	836.66	168.85	0.18	169	20.96%	30.24	3.61%	121.74	690.26	105.80%	-1.98%		
				Agricultural	228	0	228	0.04%	0.73	0.00	0.73	0.03%		0.24	0.00	0	0.03%			0.07				0.00	0.00%
				Commercial / Industrial- LT	206339	0	206339	32.96%	1221.10	0.00	1221.10	55.83%		534.55	0.06	535	66.29%			443.44				0.00	0.00%
				Commercial / Industrial- MT	260	0	260	0.04%	132.10	0.00	132.10	6.04%		102.55	0.00	103	12.72%			87.15				0.00	0.00%
				Others	0	0	0	0.00%	0.00	0.00	0.00	0.00%		0.00	0	0	0			0.00				0.00	0.00%
77	At company level			625998	0	625998	100%	2187.17	0	2187.17	100%	836.66	806.19	0.23	806.42	100%	30.24	3.61%	652.40	690.26	105.80%	-1.98%			

** 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
	Please enter name of circle
	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 Authorised Signatory:	Sh. Zaver Goli	Name of Energy Manager:	Sh. Hemal Upadhyay
Name of the DISCOM	Torrent Power Limited-Surat	Registration Number:	EA-2891
Full Address:-	Torrent House, Station Road, Surat		
Seal			

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

A. Summary of energy Input & Infrastructure




S.No	Parameters	Period from 1st Oct,2021 to 31st Dec,2021	Remarks (Source of data)
A.1	Input Energy purchased (MU)	944.37	
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)	836.66	
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	437	
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	1645	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	3308	LT Underground Cable
A.22	HT/LT ratio	0.50	

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 from 1st Oct,2021 to 31st Dec,2021				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)										
B.1	Surat	Surat	220kV				TPL -G (APP)																						
B.2	Surat	Surat	220kV				SUGEN											562.49	0										
B.3	Surat	Surat	220kV				UNOSUGEN											727.30	0										
B.4	Surat	Surat	220kV				Bilateral											158.86	0										
B.5	Surat	Surat	220kV				Power Exchange											117.04	0			806.42							
B.6	Surat	Surat	220kV				Renewables											749.27	0										
B.8	Surat	Surat	220kV				Sale of surplus power/UI/ Wind Setoff											226.61	0										
B.9	Surat	Surat	220kV				Transmission Losses											125.95	0										
							TPL-D (Abad) Requirement											-13.17	0										
																		-1817.70	0										
B.1001	Total (MU)																												
B.1002	Net input energy at DISCOM periphery (MU)																												
																		836.66	0.00			806.42							
																		836.66											

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 Authorised Signatory:	Sh. Zaver Goti	Name of Energy Manager:	Sh. Hemal Upadhyay
Name of the DISCOM	Torrent Power Limited-Surat	Registration Number:	EA-2891
Full Address:-	Torrent House, Station Road, Surat		
Seal			

(Details of Consumers)

Summary of Energy Sold

Period from 1st Oct,2021 to 31st Dec,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	419171	169.03	RGP
2	Commercial	LT	440	143855	120.88	Non RGP and LTMD
3	IP Sets	LT	440	228	0.24	AGP
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	LTMD
8	Public Lighting	LT	440	1324	3.24	PUBLIGH LIGHTING
9	HT Water Supply	HT	11000	30	16.95	HTMD2
10	HT Industrial	HT	11000	230	85.60	HTMD1
11	Industrial (Small)					
12	Industrial (Medium)	LT	440	60603	407.84	Non RGP and LTMD
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	440	556	2.62	GLP
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	625998	806.42