

Ref No.: TPLS/BEE/686

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), Dahej 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,



(Chandubhai Patel)

Assistant General Manager

Torrent Power Limited

TORRENT POWER LIMITED

CIN : L31200GJ2004PLC044068




Torrent House, Station Road, Surat - 395 003. Gujarat. India. Phone : +91 261 2400240, 98240 09930 Fax : +91 0261 2413020
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-Dahej	
2	i) Year of Establishment		
	ii) Government/Public/Private	Private	
3	DISCOM's Contact details & Address		
i	City/Town/Village	Dahej	
ii	District	Dahej	
iii	State	Gujarat	Pin 392130
iv	Telephone	9824009930	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. Chandubhai Patel	
ii	Designation	Asst. 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. Dhansukh Gelani	
ii	Designation	Asst. General Manager	Whether EA or EM EA
iii	EA/EM Registration No.	EA-2890	
iv	Telephone		Fax -
v	Mobile	9824174226	E-mail ID dhansukhgelani@torrentpower.com
7	Period of Information		
	Year of (FY) information including Date and Month (Start & End)	1 st Oct,2021 to 31 st 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	0.00
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	171.22
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	170.40
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	0.82
		%	0.48%
	Collection Efficiency	%	95.87%
(c)	Aggregate Technical & Commercial Loss	%	4.59%

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. Dhansukh Gelani
Name of Authorised Signatory: Sh. Chandubhai Patel	Registration Number: EA-2890
Name of the DISCOM: Torrent Power Limited-Dahej	
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	23			
v	Number of DTs	8			
vi	Number of consumers	116			
2	Parameters	66kV and above	33kV	11/22kV	LT
a i	Number of conventional metered consumers				
ii	Number of consumers with "Smart" meters				
iii	Number of consumers with smart prepaid meters				
iv	Number of consumers with AMR meters	1	8	54	53
v	Number of consumers with non-smart prepaid meters				
vi	Number of unmetered consumers				
vii	Number of total consumers	1	8	54	53
b i	Number of conventionally metered Distribution Transformers			0	
ii	Number of DTs with communicable meters			8	
iii	Number of unmetered DTs			0	
iv	Number of total Transformers			8	
c i	Number of metered feeders			0	
ii	Number of feeders with communicable meters			23	
iii	Number of unmetered feeders			0	
iv	Number of total feeders			23	
d	Line length (ct km)			0	HT+LT
e	Length of Aerial Bunched Cables			0	HT+LT
f	Length of Underground Cables			110	HT+LT
3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	0.00	Includes input energy for franchisees	Amgen, Sugan and Unosugen
		Medium Conventional	81.11		
		Short Term Conventional	84.59		IEX/PXIL/UI - SLDC
		Banking	0.00		
		Long-Term Renewable energy	5.51		Wind:CLP/WF-others/TPL Wind, Solar:KINDLE/Solargen/Gensu/Others
		Medium and Short-Term RE	0.00	Includes power from bilateral/PX/ DEEP	
		Captive, open access input	0.00	Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power	0.00		
		Quantum of inter-state transmission loss	0.00	As confirmed by SLDC, RLDC etc	Intra State Transmission Losses GETCO Transmission Loss
		Power procured from inter-state sources	171.22	Based on data from Form 5	
Power at state transmission boundary	171.22				
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	171.22		
iv	33 kV	Renewable energy			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			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	0.00		
viii		Total Energy Available/ Input	171.22		

4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)
i	LT level	DISCOM' consumers	0.32	Include sales to consumers in franchisee areas, unmeted consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation used at LT level		Demand from embedded generation at LT level	
		Sale at LT Level	0.32		
		Quantum of LT level losses			
		Energy Input at LT level			
ii	11 kv level	DISCOM' consumers	81.76	Include franchisee sales, unmeted consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 11 kv level used		Demand from embedded generation at 11 kv level	
		Sale at 11 kv Level	81.76		
		Quantum of Losses at 11 kv			
		Energy Input at 11 kv level			
iii	33 kv level	DISCOM' consumers	25.48	Include sales to franchisee areas, unmeted consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kv or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
		Sale at 33 kv Level	25.48		
		Quantum of Losses at 33 kv			
		Energy input at 33kv Level	0		
iv	> 33 kv	DISCOM' consumers	62.84	Include franchisee sales, unmeted 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)	62.84		
Total Energy Requirement			171.22		Energy requirement at DISCOM Periphery
Total Energy Sales			170.40		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	171.22	0.32	0.82	0.48%
ii	11 kv		81.76		
iii	33 kv		25.48		
iv	> 33 kv		62.84		
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	0.82
D loss	0.82
T&D loss (%)	0.48%
D loss (%)	0.48%




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

Division Wise Losses																							
Period from 1st Oct,2021 to 31st Dec,2021																							
S.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	Input energy (MU)	Metered energy	Unmetered/assess ment 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- Dahej		Dahej	Residential	0	0	0	0.00%	0.00	0	0.00	0.00%	171.22	0.00	0.00	0.00	0.00%	0.82	0.48%	80.60	77.27	95.87%	4.59%
				Agricultural	0	0	0	0.00%	0.00	0	0.00%	0.00		0	0.00	0.00%							
				Commercial / Industrial- LT	34	0	34	29.31%	0.99	0	0.99	0.87%		0.30	0.00	0.30	0.17%						
				Commercial / Industrial- HT	63	0	63	54.31%	112.74	0	112.74	98.94%		170.08	0	170.08	99.81%						
				Others	19	0	19	16.38%	0.22	0	0.22	0.20%		0.02	0	0.02	0.01%						
Sub-total				116	0	116	100%	113.96	0	113.96	100%	171.22	170.40	0.00	170.40	100%	0.82	0.48%	80.60	77.27	95.87%	4.59%	
76	Total			Residential	0	0	0	0.00%	0.00	0.00	0.00%	171.22	0.00	0.00	0.00	0.00%	0.82	0.48%	80.60	77.27	95.87%	4.59%	
				Agricultural	0	0	0	0.00%	0.00	0.00	0.00%		0.00	0.00	0.00	0.00%							
				Commercial / Industrial- LT	34	0	34	29.31%	0.99	0.00	0.99		0.87%	0.30	0.00	0.30							0.17%
				Commercial / Industrial- HT	63	0	63	54.31%	112.74	0.00	112.74		98.94%	170.08	0.00	170.08							99.81%
				Others	19	0	19	16.38%	0.22	0.00	0.22		0.20%	0.02	0	0.02							0.01%
At company level				116	0	116	100%	113.96	0	113.96	100%	171.22	170.40	0.00	170.40	100%	0.82	0.48%	80.60	77.27	95.87%	4.59%	

** 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.

Cal of code	Parameter
	Please enter name of circle
	Please enter circle code
0	Please enter numeric value or 0
	Formula protected

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Authorised Signatory and Seal		Signature:	
Name of Authorised Signatory:	Sh. Chandubhal Patel	Name of Energy Manager:	Sh. Dhansukh Gelani
Name of the DISCOM	Torrent Power Limited-Dahej	Registration Number:	EA-2850
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)	0.00	
A.2	Transmission loss (%)	#DIV/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)	171.22	
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	23	
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	76	Underground Cable
A.19	Line length (km) at LT level	0	Overhead Cable
A.20	Length of Aerial Bunched Cables	0	
A.21	Length of Underground Cables	34	LT Underground Cable
A.22	HT/LT ratio	2.22	

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/ un-metered/ AMI/AMR)	Status of Meter (Functional/Non-functional)	Metering Date	Feeder Type (Agricultural/ Industrial/Mixed)	Status of Communication			Period from 1st Jul, 21 to 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)		
B.1	Dahej	Dahej	220kV			BAY-201	Bilateral/EX															
B.2	Dahej	Dahej	220kV			BAY-202	Renewables										165.20	0				
B.3							Sale of surplus power/II										5.72	0		170.40		
B.4							Transmission Losses										3.38	0				
																	-3.07	0				
B.1001																Total (MU)						
B.1002																Net input energy at DISCOM periphery (MU)			171.22	0.00	170.00	
																	171.22					

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

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Authorised Signatory and Seal		Signature:	
Name of Authorised Signatory:	Sh. Chandubhai Patel	Name of Energy Manager:	Sh. Dhansukh Gelani
Name of the DISCOM	Torrent Power Limited-Dahej	Registration Number:	EA-2890
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					
2	Commercial	LT	440	19	0.03	
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	LT	440	2	0.03	
8	Public Lighting	LT	440	17	0.02	
9	HT Water Supply	HT	11000	1	0.34	
10	HT Industrial	EHT/HT	220000/33000/11000	62	169.74	
11	Industrial (Small)	LT	440	15	0.23	
12	Industrial (Medium)					
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)					
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	116	170.40