

Ref No.: TPLS/BEE/2023-24/Q2/10774

Date: 06-December-2023

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 9th periodic energy accounting report (Jul,2023 to Sep,2023) and the 2nd quarter of Financial Year, 2023-24 of Torrent Power Ltd (Surat).

Ref: The Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021 notified dated 07th October 2021 and amended notification dated 31st October 2022.

Respected Sir,

With reference to the subject matter, Torrent Power Limited (TPL), Surat is hereby submitting this 9th periodic energy accounting report (Jul,2023 to Sep,2023) and the 2nd quarter of Financial Year, 2023-24 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 in that:

- Details of received sources: details of source-wise input energy are already provided which are also the received sources. Thus, details of source-wise input energy would suffice the requirement. Further, TPL-D(Surat) is not having any embedded generation.
- Details on Feeder Levels: Torrent Power Ltd. (Surat) is having Ring main system and hence feeder-wise details are not available.
- Detail of DT level Information: DT wise loss is not feasible because of Load transfer has been carried out through downstream ring main during planned/unplanned shutdown.
- Subsidy Details: Details of subsidy were sought basis the MOP letter which refers to the Revamped Distribution Sector Scheme. In turn, it may please be noted that the private sector is not permitted to participate in the Revamped Distribution Sector Scheme.

However, overall Distribution loss is submitted.

This is in complies to the regulatory requirement please.

Thanking You.

Yours Faithfully,



(Zaver Goti)

General Manager

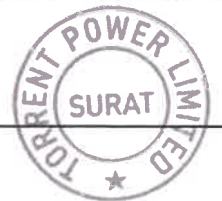
TPL-Surat

TORRENT POWER LIMITED

CIN : L31200GJ2004PLC044068

General Information

1	Name of the DISCOM	Torrent Power Limited-Surat		
2	i) Year of Establishment	1996		
	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. 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. 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. Geneal 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	`1			
	Year of (FY) information including Date and Month (Start & End)	1st Jul,2023 to 30th Sep,2023		



Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st Jul,2023 to 30th Sep,2023	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	1055.71
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	1040.95
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	1020.09
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	20.87
		%	2.00%
	Collection Efficiency	%	96.65%
(c)	Aggregate Technical & Commercial Loss	%	5.29%

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

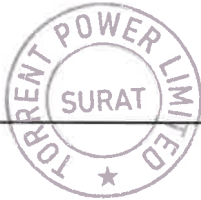
Registration Number: EA-2891

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	1				
ii	Number of divisions	1				
iii	Number of sub- divisions	1				
iv	Number of feeders	462			CEA - Format 51-52	11 kV feeder considered
V	Number of DTs	2850			MIS	
Vi	Number of consumers	634510				
2	Parameters	66kV and above	33kV	11/22kV	LT	
a. i.	Number of conventional metered consumers			0	634220	
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			290	0	
v	Number of consumers with 'non-smart prepaid' meters			0	0	
vi	Number of unmetered consumers			0	0	
vii	Number of total consumers			290	634220	
b.i.	Number of conventionally metered Distribution Transformers			0		
ii	Number of DTs with communicable meters			2850		
iii	Number of unmetered DTs			0		
IV	Number of total Transformers			2850		
c.i.	Number of metered feeders			0		
ii	Number of feeders with communicable meters			462		
iii	Number of unmetered feeders			0		
iv	Number of total feeders			462		
d.	Line length (ct km)			-	-	
e.	Length of Aerial Bunched Cables			-	-	
f.	Length of Underground Cables			1724	3499	HT+LT(Underground Cable)

3	Voltage level	Input Energy Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above	Long-Term Conventional	582.64	Includes input energy for franchisees	Amgen, Sugan and Unosugen	
		Medium Conventional				
		Short Term Conventional	356.59		IEX/PXIL/UI - SLDC	
		Banking				
		Long-Term Renewable energy	113.70		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	1,052.93	Based on data from Form 5		
		Power at state transmission boundary	1,052.93			
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	1,052.93	
iv	33 kV	Renewable energy				
		Small capacity conventional/ biomass/ hydro plants Procurement				
		Captive, open access input				
v	11 kV	Renewable Energy Procurement	2.78			
		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	2.78			
viii		Total Energy Available/ Input	1,055.71			

4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)	
i	LT level	DISCOM' consumers	837.01	Include sales to consumers in franchisee areas, unmetered consumers		Other than HT 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	837.01			
		Quantum of LT level losses				
		Energy Input at LT level				
ii	11 kV level	DISCOM' consumers	183.08	Include franchisee sales, unmetered consumers		HT 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	183.08			
		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			1,040.95			Energy requirement at DISCOM Periphery
Total Energy Sales			1,020.09			

Energy Accounting Summary

5	DISCOM	Input (In MU)	Sale (In MU)	Loss (In MU)	Loss %	
i	LT	1040.95	837.01	20.87	2.00%	
ii	11 Kv		183.08			
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	20.87
D loss	20.87
T&D loss (%)	2.00%
D loss (%)	2.00%

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

Division Wise Losses



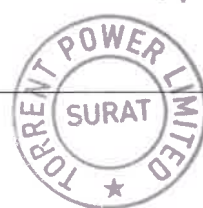
Period from 1st Jul, 2023 to 30th Sep, 2023

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	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/assa essment energy	Total energy							% of energy consumption			
1	TPL Surat	Surat	Surat	Residential	424671	0	424671	67%	870	0	870	37%	1040.95	233.23	0.16	233	29%	20.87	2.00%	205.38	943.25	96.65%	5.29%			
				Agricultural	199	0	199	0%	1	0	1	0%		0.13	0.00	0	0%			0.06						
				Commercial / Industrial- LT	209338	0	209338	33%	1298	0	1298	55%		603.44	0.04	603	59%			591.91				943.25	96.65%	5.29%
				Commercial / Industrial- HT	290	0	290	0.05%	186	0	186	8%		183.08	0.00	183	18%			178.23						
				Others	12	0	12	0%	0.43	0	0	0%		0.01	0.00	0	0%			0.38						
Sub-total				634510	0	634510	100%	2354.52	0	2354.52	100%	1040.95	1019.89	0.20	1020.09	100%	20.87	2.00%	975.96	943.25	96.65%	5.29%				
76	Total			Residential	424671	0	424671	66.93%	870	0	870	36.96%	1040.95	233	0.16	233	22.88%	20.87	2.00%	205	943.25	96.65%	5.29%			
				Agricultural	199	0	199	0.03%	1	0	1	0.03%		0	0.00	0	0.01%			0	0.00	0.00%				
				Commercial / Industrial- LT	209338	0	209338	32.99%	1298	0	1298	55.11%		603	0.04	603	59.16%			592	0.00	0.00%				
				Commercial / Industrial- HT	290	0	290	0.05%	186	0	186	7.89%		183	0.00	183	17.95%			178	0.00	0.00%				
				Others	12	0	12	1.89122E-05	0.4318	0	0.4318	0.000183392		0.010856	0	0.010856	1.06422E-05			0.38038516	0.00	0.00%				
77	At company level			634510	0	634510	100%	2354.52	0	2354.52	100%	1040.95	1019.89	0.20	1020.09	100%	20.87	2.00%	975.96	943.25	96.65%	5.29%				

** 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 of co de	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 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



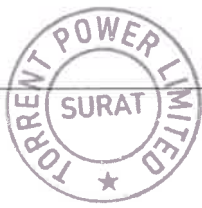
S.No	Parameters	Period from 1st Jul,2023 to 30th Sep,2023	Remarks (Source of data)
A.1	Input Energy purchased (MU)	1055.71	
A.2	Transmission loss (%)	0%	
A.3	Transmission loss (MU)	0	
A.4	Energy sold outside the periphery(MU)	0	
A.5	Open access sale (MU)	0	
A.6	EHT sale	0	
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	1040.95	
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	462	
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	1724	Underground Cable
A.19	Line length (km) at LT level	3499	Underground Cable
A.20	Length of Aerial Bunched Cables	0	
A.21	Length of Underground Cables	5222	HT+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/N on-functional)	Metering Date	Feeder Type (Agricultural/ Industrial/Mixed)	Status of Communication			Period from 1st Jul,2023 to 30th Sep,2023				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																
B.3	Surat	Surat	220kV				UNOSUGEN																
B.4	Surat	Surat	220kV				Bilateral																
B.5	Surat	Surat	220kV				Power Exchange																
B.6	Surat	Surat	220kV				Renewables																
B.8	Surat	Surat	220kV				Sale of surplus power/VI/ Wind Setoff																
B.9	Surat	Surat	220kV				Transmission Losses																
B.10							TPL-D (Abad) Requirement																
B.11																							
B.1001	Total (MU)																						
B.1002	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
	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 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			

(Details of Consumers)

Summary of Energy Sold

Period from 1st Jul,2023 to 30th Sep,2023

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	424671	233.39	RGP
2	Commercial	LT	440	146167	145.25	Non RGP and LTMD
3	IP Sets	LT	440	199	0.13	AGP
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	1333	2.71	PUBLIGH LIGHTING
9	HT Water Supply	HT	11000	31	14.88	HTMD2
10	HT Industrial	HT	11000	259	168.20	HTMD1
11	Industrial (Small)					
12	Industrial (Medium)	LT	440	61189	451.67	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	661	3.86	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	634510	1020.09

**Annexure -1: Proforma for Quarterly Consumer Category-wise Subsidy Billed/Received/Due
for period for 1st Jul,2023 to 30th Sep,2023**

Consumer Category (Separate for each subsidized consumer category)	Billed Energy			Subsidized Billed Energy			Applicable rate of Subsidy as notified by State govt.		Subsidy Due from State Govt.			Subsidy Actually Billed / claimed from State Govt. (As against col.12)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.
	Metered	Un-metered*	Total	Metered (out of col.2)	Un-metered* (out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
	(in kWh)			(in kWh)			(in Rs/kWh)		(in Rs. Cr.)			(in Rs. Cr.)	(in Rs. Cr.)	(in Rs. Cr.)
1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9	12=10+11	13	14	15=13-14
Residential														
Agriculture														
Commercial/Industrial – LT														
Commercial/Industrial - HT														
Other (specify)														
Total	0.00	0.00	0.00											

Private sector is not permitted to participate in the Revamped Distribution Sector Scheme hence Torrent Power Ltd has not claimed subsidy.

***Basis of assessment of energy to be provided in the notes along with relevant Government Orders**

****Provide copy of relevant Government Orders**