

General Information			
1	Name of the DISCOM	Tripura State Electricity Corporation Limited	
2	i) Year of Establishment	2005	
	ii) Government/Public/Private	PSU	
3	DISCOM's Contact details & Address		
i	City/Town/Village	TSECL Bidyut Bhawan, North Banamalipur	
ii	District	West Tripura	
iii	State	Tripura	Pin 799001
iv	Telephone		Fax
4	Registered Office		
i	Company's Chief Executive Name	Mr. Debasis Sarkar	
ii	Designation	Managing Director	
iii	Address	TSECL Bidyut Bhawan, North Banamalipur	
iv	City/Town/Village	Agartala	P.O. Agartala
v	District	West Tripura	
vi	State	Tripura	Pin 799001
vii	Telephone	6033132100	Fax
5	Nodal Officer Details*		
i	Nodal Officer Name (Designated at DISCOM's)	Mr. Swapan Debbarma	
ii	Designation	GM (Technical)	
iii	Address	TSECL Bidyut Bhawan, North Banamalipur	
iv	City/Town/Village	Agartala	P.O. Agartala
v	District	West Tripura	
vi	State	Tripura	Pin 799001
vii	Telephone	9436127125	Fax
6	Energy Manager Details*		
i	Name	Mr. Siddhartha Bangal	
ii	Designation	Whether EA or EM	EA
iii	EA/EM Registration No.	EA-28037	
iv	Telephone		Fax
v	Mobile	6033132091	E-mail ID sid.energyauditor@gmail.com
7	Period of Information		
	Year of (FY) information including Date and Month (Start & End)	01/07/2023 - 30/09/2023	

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	01/07/2023 - 30/09/2023	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	893.62
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	488.10
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	338.64
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	149.46
		%	0.31
	Collection Efficiency	%	111%
(c)	Aggregate Technical & Commercial Loss	%	23%

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Authorised Signatory and Seal

Name of Authorised Signatory
Name of the DISCOM:
Full Address:-

G.M. (Tech.), 22/11/23
Corporate Office,
TSECI.

Signature:-
Name of Energy Manager*:
Registration Number:

22/11/23
SIDDHARTHA BANGAL
Certified Energy Auditor
EA - 28037
T.S.E.C.L

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	9			
iii	Number of sub-divisions	23			
iv	Number of feeders	79			
v	Number of feeders	484			
v	Number of DTs	18379			
vi	Number of consumers	897491			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers				704242
ii	Number of consumers with 'smart' meters				43081
iii	Number of consumers with 'smart prepaid' meters				
iv	Number of consumers with 'AMR' meters				
v	Number of consumers with 'non-smart prepaid' meters				183523
vi	Number of unmetered consumers	0			
vii	Number of total consumers				
b.i.	Number of conventionally metered Distribution Transformers				930846
ii	Number of DTs with communicable meters	0			8519
iii	Number of unmetered DTs				
iv	Number of total Transformers				9860
c.i.	Number of metered feeders	11	55	484	
ii	Number of feeders with communicable meters	0		0	
iii	Number of unmetered feeders	0			
iv	Number of total feeders				
d.	Line length (ct km)			53678	
e.	Length of Aerial Bunched Cables			1017.02	
f.	Length of Underground Cables			238.67	
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	836		Includes input energy for franchisees
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy	18.4		
		Medium and Short-Term RE	39.6		Includes power from bilateral/ PX/ DEEP
		Captive, open access input			
		Sale of surplus power	41.00%		
		Quantum of inter-state transmission loss	22		As confirmed by SLDC, RLDC etc
		Power procured from Inter-state sources		894	Based on data from Form 5
Power at state transmission boundary		871			
ii	33kV	Long-Term Conventional			
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE			
		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	871		
iv	33 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			
		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		
viii		Total Energy Available/ Input	871		
4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	339	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		Demand from embedded generation at LT level	
		Sale at LT level	339		
		Quantum of LT level losses	149		
ii	11 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	0		
		Quantum of Losses at 11 kV	0		
iii	33 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered 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	
		Sales at 33 kV level	0		
		Quantum of Losses at 33 kV	0		
iv	> 33 kV	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Cross border sale of energy			
		Sale to other DISCOMs			
		Banking			
		Energy input at > 33kV Level			
		Sales at 66kV and above (EHV)	0		
Total Energy Requirement			488		
Total Energy Sales			339		
Energy Accounting Summary					
S	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	488	339	149	30.00%
ii	11 kV				
iii	33 kV	519.261	488	31.157	6.00%
iv	> 33 kV				

6	Open Access, Captive	Input (In MU)	Sale (In MU)	Loss (In MU)
i	LT	NA	NA	
ii	11 Kv			
iii	33 kv			
iv	> 33 kv			

Loss Estimation for DISCOM	
T&D loss	149
D loss	127
T&D loss (%)	0.306233917
D loss (%)	0.260272401


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		Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0.00%			
73	Sub-total	Residential	0	0	0	100%	0	0	0	100%	0	0	0	100%	0	0%	0	0	0.00%	
		Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
74	Sub-total	Residential	0	0	0	100%	0	0	0	100%	0	0	0	100%	0	0%	0	0	0.00%	
		Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
75	Sub-total	Residential	0	0	0	100%	0	0	0	100%	0	0	0	100%	0	0%	0	0	0.00%	
		Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
		Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0	0%	0	0	0.00%	
76	Total	Residential	797218	0	797218	89%	183.0669	0	183.0669	36%	488.1	143.4689	0	143.4689	42%	149.4615	31%	115.71676	126.0824	108.96%
		Agricultural	9632	0	9632	1%	25.6904	0	25.6904	5%		6.700632	0	6.700632	2%			3.087681	2.704188	87.58%
		Commercial/Industrial-LT	73531	0	73531	8%	129.0944	0	129.0944	25%		55.37598	0	55.37598	16%			32.60598	40.14106	123.11%
		Commercial/Industrial-HT	134	0	134	0%	21.44	0	21.44	4%		8.76545	0	8.76545	3%			4.610802	6.066242	131.57%
		Others	16976	0	16976	2%	151.1483	0	151.1483	30%		124.3275	0	124.3275	37%			53.9004	58.36606	108.29%
77	At company level		897491	0	897491	100%	510.44	0	510.44	100%	488.1	338.6385	0	338.638462	100%	149.4615	31%	209.921623	233.35995	111.17%

** 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.

Color 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

Name of Authorised Signatory:

Name of the DISCOM:
Full Address:-

Seal

G.M. (Tech.), 24/11/23
G.M. (Tech.),
Corporate Office,
TSECL

Signature:-
Name of Energy Manager:
Registration Number:

22/11/23

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										Total (MWh)		879.02		974.36		919.26	
										Net Input energy at DISCOM periphery (MWh)							

		Parameter
		Please enter voltage level or leave blank
		Please enter feeder ID and name or leave blank
		Enter meter no or leave blank
		Enter CI/TI rate or leave blank
		Please enter remark, value or 0
		Please select yes or no from list
		Terms protected

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Name of the DISCOM
Full Address

(Signature)
22/11/23
G.M. (Tech.),
Corporate Office,
TSECL

Seal

Signature
Name of Energy Manager
Registration Number

(Signature)
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Period From 01/07/2023 - 30/09/2023

A. Generation at Transmission Periphery (Details)

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based- Solid (Coal ,Lignite)/Liquid/Gas/Renewable (biomass-bagasse)/Others)	Type of Contract (In years/months/days)	Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (At input)	Remarks (Source of data)
1	NEEPCO	135	Gas Based	25 years from COD	Intra-State	6.945	11 KV	
2	NHPC		Hydel	25 years from COD	Inter- State	0.46823	11 KV	
3	OTPC	726.6	Gas Fired	25 years from COD	Intra-State	19.0065	11 KV	
4	NTPC (BgTPP)	749	Coal based	25 years from COD	Inter- State	3.836	11 KV	
5	Short Term Purchase					1.3885		
6	Rokhia GTP	63	Gas Fired	25 years from COD	Intra- State	4.918	11 KV	
7	Baramura GTP	42	Gas Fired	25 years from COD	Intra- State	2.392	11 KV	
8	Gumti HEP	5	Hydel	25 years from COD	Intra- State	0.2322	11 KV	
9	Monarchak	101	Gas Fired	25 years from COD	Intra- State	10.367	11 KV	
10	Solar Power (Monarchak)	5	Solar	25 years from COD	Intra- State	0.07032	11 KV	

(Signature)
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(Details of Consumers)

Summary of Energy

Period From .01/07/2023 - 30/09/2023

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)
1	Domestic	LT	415v/230v	797218	143.4689	DGM (C&T)
2	Commercial	LT	415v/230v	73531	62	DGM (C&T)
3	IP Sets					DGM (C&T)
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)					DGM (C&T)
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)					DGM (C&T)
6	Heating and Motive Power					DGM (C&T)
7	Water Supply		11kv/415 v	5444	38.56	DGM (C&T)
8	Public Lighting		415v/230v	2423	6.7	DGM (C&T)
9	HT Water Supply					DGM (C&T)
10	HT Industrial		33kv / 11 kv	134	17.1	DGM (C&T)
11	Industrial (Small)		415v/230v			DGM (C&T)
12	Industrial (Medium)					DGM (C&T)
13	HT Commercial	HT				DGM (C&T)
14	Applicable to Government Hospitals & Hospitals					DGM (C&T)
15	Lift Irrigation Schemes/Lift Irrigation Societies		415v /230v	4631	13.2	DGM (C&T)
16	HT Res. Apartments Applicable to all areas					DGM (C&T)
17	Mixed Load					DGM (C&T)
18	Government offices and department					DGM (C&T)
19	Others-1 (if any , specify in remarks)	Others	415v/230v	14110	57.60308	DGM (C&T)
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						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
				Total	897491	338.63

(Details of Feeder-wise losses)

Period From 01/07/2023 - 30/09/2023

S. No.	Zone	Received at Circle (in MU)	Received at Division (in MU)	Received at Sub-division (in MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AM/AMR/Other)	Received at Feeder (Final in MU)	Feeder Consumption (in MU)	Final Net Export at Feeder Level (in MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AM)	Remarks
<i>Data not available due to non installation of AMR.</i>																

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