

File No: F1(4)/CO/TSECL/2021-22 /28159-62

Dated: 18th July, 2022

To

Mr. Milind Deore,
Director, Bureau of Energy Efficiency, GoI, Ministry of Power.
4th Floor, Sewa Bhawan, R k Puram, New Delhi- 110066
Email Id: - mdeore@beeindia.gov.in, suryay@beeindia.gov.in

Sub: Submission of Annual Energy Accounting Report for the FY 2021-2022.

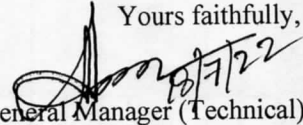
Sir,

The Annual Energy Accounting Report for the FY 2021-2022 (Period from 1st April 2021 to March 2022) of Tripura State Electricity Corporation Ltd. is submitted in the Specified format of BEE.

This is for favour of kind information & necessary action please.

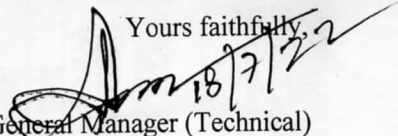
Encl: Annual Energy Accounting Report for the year 2021-2022. (1st April 2021 to 31st March 22)

Encl: Statement (in original)

Yours faithfully,

General Manager (Technical)
TSECL, Bidyut Bhavan, Agartala

Copy to:-

1. P.S to the Managing Director, TSECL for favour of kind information please.
2. P.S to Director Technical, TSECL for favour of kind information.
3. SDA Nodal & DGM Planning (State Designated Agency, Tripura), Tripura State Electricity Corporation Limited (TSECL), Bidyut Bhavan, North Banamalipur, Agartala- 799001, Tripura.
Email Id: - sdatripura.tsecl@gmail.com

Yours faithfully,

General Manager (Technical)
TSECL, Bidyut Bhavan, Agartala

General Information

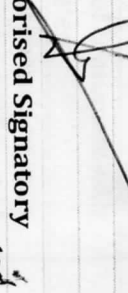
1	Name of the DISCOM	Tripura State Electricity Corporation Limited			
2	i) Year of Establishment	2005			
	ii) Government/Public/Private				
3	DISCOM's Contact details & Address	TSECL Bidyut Bhawan, North Banamalipur			
i	City/Town/Village	West Tripura			
ii	District	Tripura			
iii	State	Pin	799001		
iv	Telephone	Fax			
4	Registered Office	Mr. Debasis Sarkar			
i	Company's Chief Executive Name	Managing Director			
ii	Designation	TSECL Bidyut Bhawan, North Banamalipur			
iii	Address	Agartala	P.O.	Agartala	
iv	City/Town/Village	West Tripura			
v	District	Tripura			
vi	State	Pin	799001		
vii	Telephone	Fax	6033132100		
5	Nodal Officer Details*	Er. Sima Das			
i	Nodal Officer Name (Designated at DISCOM's)	DGM Planning			
ii	Designation	TSECL Bidyut Bhawan, North Banamalipur			
iii	Address	Agartala	P.O.	Agartala	
iv	City/Town/Village	District			
v	District	Tripura			
vi	State	Pin	799001		
vii	Telephone	Fax	6033132085		
6	Energy Manager Details*				
i	Name				
ii	Designation	Whether EA or EM			
iii	EA/EM Registration No.	NA			
iv	Telephone	Fax			
v	Mobile	9436451763	E-mail ID		
7	Period of Information				
	Year of (FY) information including Date and Month (Start & End)	01/04/2021 to 31/03/2022			

Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	01/04/2021 to 31/03/2022	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	3198.45
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	1460.58
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	1099.21
(b)	Transmission and Distribution (T & D) loss Details	Million kwh	361.37
	Collection Efficiency	%	0.25
	Aggregate Technical & Commercial Loss	%	94%
(c)		%	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



Name of Authorised Signatory
Name of the DISCOM, **Managing Director,**
Full Address:- **TSECL, Agartala.**

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

The energy account report prepared by DISCOM, Tripura which is checked & verified

Regards,

Saip Kumar Singh

EA No: 32620

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	9	Not Done		
ii	Number of divisions	23			
iii	Number of sub-divisions	79			
iv	Number of feeders	484			
v	Number of DTs	17324			
vi	Number of consumers	953045			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers				726441
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				953045
b. i.	Number of conventionally metered Distribution Transformers				8186
ii	Number of DTs with communicable meters	0			

iii	Number of unmetered DTs				9138
iv	Number of total Transformers				
c.i.	Number of metered feeders	484			
ii	Number of feeders with communicable meters	0			
iii	Number of unmetered feeders	0			
iv	Number of total feeders	484			
d.	Line length (ct km)	53678			

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	1460.58	1099.21	361.37	24.74
ii	11 kv				
iii	33 kv				
iv	> 33 kv				

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

Division Wise Losses

Period From April 2021 To March 2022

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 metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load metered (MW)	Connected Load (MW)	% of connected load	Input energy (MU)	Billed energy (MU)		% of energy consumption	T&D loss (MU)	T&D loss (%)		Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	
													Unmetered (Nos)	Unmetered (MW)							Total Connected load (MW)
1	EC-1 Agartala	AD-I, EDCC, ED-II	Residential	144625	0	144625	86%	43.90794	0	43.90794	41%	208.9105	0	208.9105	65%	128.9885	126.7131	98.24%			
			Agricultural	822	0	822	0%	2.128	0	2.128	2%	1.757809	0	1.757809	1%	0.961814	0.942644	98.01%			
			Commercial	19451	0	19451	12%	28.7932	0	28.7932	27%	31.59236	0	31.59236	10%	26.05076	25.6715	98.54%			
			Commercial	22	0	22	0%	3.52	0	3.52	3%	2.739873	0	2.739873	1%	2.311419	2.236146	96.74%			
			Others	2815	0	2815	2%	27.77086	0	27.77086	26%	75.02609	0	75.02609	23%	62.62293	61.67378	98.48%			
Sub-total				167735	0	167735	100%	106.12	0	106.12	100%	361.4754	320.0266	100%	41.44876	41.44876	11%	220.9354	217.2372	98.33%	13%
2	EC-2 Agartala	ED-JRN, ED MNP	Residential	78851	0	78851	89%	16.98651	0	16.98651	27%	61.06974	0	61.06974	40%	29.61568	29.17038	98.50%			
			Agricultural	911	0	911	1%	3.0188	0	3.0188	5%	5.176491	0	5.176491	3%	2.296056	2.269643	98.85%			
			Commercial	6691	0	6691	8%	15.0232	0	15.0232	24%	26.86549	0	26.86549	17%	18.42306	18.02265	97.83%			
			Commercial	42	0	42	0%	6.72	0	6.72	11%	11.7657	0	13.2657	9%	9.24589	9.029581	97.66%			
			Others	2007	0	2007	2%	20.03149	0	20.03149	32%	47.89562	0	47.89562	31%	33.44777	32.88933	98.33%			
Sub-total				88502	0	88502	100%	61.78	0	61.78	100%	189.7286	154.273	100%	35.45559	35.45559	19%	93.02845	91.38159	98.23%	20%
3	EC- Khowai	ED-KHW, ED TLM	Residential	80332	0	80332	90%	15.12426	0	15.12426	33%	41.79429	0	41.79429	61%	24.0015	19.28441	80.35%			
			Agricultural	441	0	441	0%	1.9248	0	1.9248	4%	3.585674	0	3.585674	5%	2.549322	2.121153	83.20%			
			Commercial	7027	0	7027	8%	12.1994	0	12.1994	26%	5.181445	0	5.183445	8%	4.565913	3.56767	78.14%			
			Commercial	23	0	23	0%	3.68	0	3.68	8%	0.978553	0	0.978553	1%	0.855149	0.720776	84.29%			
			Others	1408	0	1408	2%	13.20154	0	13.20154	29%	16.93613	0	16.93613	25%	13.62657	11.02411	80.90%			
Sub-total				89231	0	89231	100%	46.13	0	46.13	100%	95.04775	68.47809	100%	26.56966	26.56966	28%	45.59846	36.71812	80.52%	42%
4	EC- Sepahjhal	ED-BSL, ED- JTUL, ED- SNM	Residential	103015	0	103015	89%	19.94994	0	19.94994	29%	57.01236	0	57.01236	60%	31.1597	27.99773	89.85%			
			Agricultural	2272	0	2272	2%	6.1016	0	6.1016	9%	5.711081	0	5.711081	6%	3.918051	3.513786	89.68%			
			Commercial	8765	0	8765	8%	18.7652	0	18.7652	27%	6.265092	0	6.265092	7%	5.302063	4.768872	89.94%			
			Commercial	23	0	23	0%	3.68	0	3.68	5%	1.323389	0	1.323389	1%	1.117508	0.930668	83.28%			
			Others	2270	0	2270	2%	20.94326	0	20.94326	30%	24.08777	0	24.08777	26%	19.40135	17.16963	88.50%			
Sub-total				116345	0	116345	100%	69.44	0	69.44	100%	136.6115	94.3997	100%	42.2118	42.2118	31%	60.89868	54.38069	89.30%	38%
5	EC- Gomati	ED-UDP, ED AMP	Residential	106073	0	106073	90%	19.82169	0	19.82169	36%	62.90162	0	62.90162	59%	35.79831	31.50651	88.01%			
			Agricultural	1085	0	1085	1%	3.9168	0	3.9168	7%	10.18023	0	10.18023	9%	6.923174	5.777295	83.45%			
			Commercial	9663	0	9663	8%	14.8706	0	14.8706	27%	7.139727	0	7.139727	7%	6.119112	5.458351	89.20%			
			Commercial	2	0	2	0%	0.32	0	0.32	1%	0.178953	0	0.178953	0%	0.149732	0.138826	92.72%			
			Others	1655	0	1655	1%	15.72091	0	15.72091	29%	26.77279	0	26.77279	25%	20.49178	17.59014	85.84%			
Sub-total				118478	0	118478	100%	54.65	0	54.65	100%	153.5407	107.1733	100%	46.36743	46.36743	30%	69.48212	60.47112	87.03%	39%

6	EC- Belonia	ED- SNTBZ,ED- BLN,ED- SDM	Residential	97671	0	97671	90%	18,54735	0	18,54735	37%	53,13174	0	53,13174	56%	26,12458	23,77055	90,99%
			Agricultural	1368	0	1368	1%	3,9944	0	3,9944	8%	7,280828	0	7,280828	8%	3,50518	3,227489	92,12%
			Commercial	8479	0	8479	8%	12,9118	0	12,9118	26%	6,418216	0	6,418216	7%	5,027791	4,567797	90,85%
			Commercial	4	0	4	0%	0,64	0	0,64	1%	0,344267	0	0,344267	0%	0,269751	0,242911	90,05%
			Others	1347	0	1347	1%	13,87645	0	13,87645	28%	27,07725	0	27,07725	29%	18,03992	16,46818	91,29%
Sub-total			108869	0	108869	100%	49,97	0	49,97	100%	143,3953	94,2523	0	94,2523	100%	52,96556	48,27693	91,15%
7	EC- Dhaman agar	ED-DMR,ED- PNSGR,ED- KCP	Residential	90688	0	90688	91%	16,62468	0	16,62468	39%	47,63841	0	47,63841	59%	27,30211	25,14683	92,11%
			Agricultural	338	0	338	0%	1,6616	0	1,6616	4%	6,288901	0	6,288901	8%	4,25561	3,892877	91,48%
			Commercial	7128	0	7128	7%	9,8768	0	9,8768	23%	5,355602	0	5,355602	7%	4,492824	4,139477	92,14%
			Commercial	10	0	10	0%	1,6	0	1,6	4%	0,795869	0	0,795869	1%	0,65457	0,616507	94,19%
			Others	1207	0	1207	1%	12,33692	0	12,33692	29%	21,20079	0	21,20079	26%	17,45126	16,09878	92,25%
Sub-total			99371	0	99371	100%	42,1	0	42,1	100%	126,3518	81,27957	0	81,27957	100%	54,15632	49,89448	92,13%
8	EC- Unakoti	ED-KLS,ED- KGT,	Residential	66686	0	66686	91%	13,25556	0	13,25556	41%	47,61998	0	47,61998	56%	18,11938	17,95178	99,08%
			Agricultural	366	0	366	1%	1,634	0	1,634	5%	4,299814	0	4,299814	5%	1,875105	1,854341	98,89%
			Commercial	4896	0	4896	7%	6,4088	0	6,4088	20%	5,919058	0	5,919058	7%	3,282056	3,249598	99,01%
			Commercial	0	0	0	0%	0	0	0	0%	0	0	0	0%	0	0	0,00%
			Others	1073	0	1073	1%	11,21164	0	11,21164	34%	27,15055	0	27,15055	32%	12,10934	12,02162	99,28%
Sub-total			73021	0	73021	100%	32,51	0	32,51	100%	120,1272	84,9894	0	84,9894	100%	35,38588	35,07734	99,13%
9	EC-Dhalai	ED-AMB,ED- KMP,ED- MANU	Residential	83749	0	83749	92%	18,84897	0	18,84897	39%	60,30325	0	60,30325	64%	21,20931	20,11269	94,83%
			Agricultural	268	0	268	0%	1,3104	0	1,3104	3%	3,46967	0	3,46967	4%	1,669323	1,559464	93,42%
			Commercial	5878	0	5878	6%	10,7454	0	10,7454	22%	5,338642	0	5,338642	6%	2,95957	2,799467	94,59%
			Commercial	8	0	8	0%	1,28	0	1,28	3%	0,511212	0	0,511212	1%	0,309973	0,288799	93,17%
			Others	1590	0	1590	2%	16,05523	0	16,05523	33%	24,72009	0	24,72009	26%	12,40643	11,84391	95,47%
Sub-total			91493	0	91493	100%	48,24	0	48,24	100%	134,305	94,34287	0	94,34287	100%	39,9621	36,60434	94,94%

Sl. No.	Category	Residential		Agricultural		Commercial/Industrial/HT		Others		Subsidy %	Subsidy (₹)	Subsidy (₹)	Subsidy %	Subsidy (₹)	Subsidy (₹)	Subsidy %	Subsidy (₹)	Subsidy (₹)	Subsidy %								
		851690	0	851690	0	7871	0	7871	0											134	0	134	0	15372	0	15372	0
76	Total	851690	0	851690	0	7871	0	7871	0	8%	1460.583	100.076	25%	20.13782	0	20.13781508	2%	290.8671	0	290.867081	26%	361.3683	25%	67.00546	630.041776	93.90%	29%
77	At company level	851690	0	851690	0	7871	0	7871	0	89%	183.0669	0	36%	151.1483	0	151.1483	30%	290.8671	0	290.867081	100%	361.3683	25%	67.00546	630.041776	93.90%	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.

Code	Parameter	Value
0	Please enter name of circle	
0	Please enter circle code	
0	Please enter numeric value or 0	
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.

Authorized Signatory and Seal

Signature:-
Name of Energy Manager:
Registration Number:

Name of Authorized Signatory:
Managing Director,
TSECL, Agartala.

Name of the DISCOM:
Full Address:-

Seal

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

A. Summary of energy input & Infrastructure

S.No	Parameters	Period From April2021To march 2022.....	Remarks (Source of data)
A.1	Input Energy purchased (MU)	3198.448	Energy Account Repoi
A.2	Transmission loss (%)	6%	Calculation
A.3	Transmission loss (MU)	181.419169	Energy Account Repoi
A.4	Energy sold outside the periphery(MU)	1556.445	
A.5	Open access sale (MU)	0	
A.6	EHT sale	210.85	Energy Account Repoi
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	1244.57	Calculation
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)		
A.9	Is 100% metering available at 11 kV (Select yes or no from list)		
A.10	% of metering available at DT	47%	C&T Dept.
A.11	% of metering available at consumer end	100%	Transmission Dept.
A.12	No of feeders at 66kV voltage level	11	DGM (C&T)
A.13	No of feeders at 33kV voltage level	47	DGM (C & T)
A.14	No of feeders at 11kV voltage level	426	DGM (C&T)
A.15	No of LT feeders level	932715	DGM (C&T)
A.16	Line length (ckt. km) at 66kV voltage level	408	DGM (C&T)
A.17	Line length (ckt. km) at 33kV voltage level	911	DGM (C&T)
A.18	Line length (ckt. km) at 11kV voltage level	18886	DGM (C&T)
A.19	Line length (km) at LT level	32901	DGM (Dept).
A.20	Length of Aerial Bunched Cables	572	132 KV line
A.21	Length of Underground Cables		
A.22	HT/LT ratio	0.61	Calculation

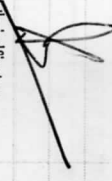
B. Meter reading of input energy at injection points																					
S.No	Zo me	Circle	Voltge Level (KVA)	Divisio n (KVA)	Sub- Division (KVA)	Fee der ID	Feeder Name	Feede r Meter ing Status (Mete red/ umet ered/ AM/IA MIR)	Status of Meter (Funct ional/ Non- functi onal)	Metering actual meter reading/ communicati on	Type (Agri/ Industr ial/Mix ed)	% data recei ved throu gh auto mati cally if Feede r	Status of Numb er of hours when meter was unabl e to comm unicat e in perio d	Total Numb er of hours in the perio d	Meter S.No	CT/PT ratio	Import (MU)	Export (MU)	Sales	Remarks (Source of data)	
B.1			132				Palatana- Surajmani nagar								NP-9561-A	1600	324.59	0.00			
B.2			132				Palatana- Udaipur								NP-9559-A	800	0.00	117.66			DGM (System Op)
B.3			132				R C Nagar- 79 Tilla 1								NP-9081-A	800	280.81	0.00			DGM (System Op)
B.4			132				R C Nagar- 79 Tilla 2								NP-9093-A	800	284.12	0.00			DGM (System Op)
B.5			132				P K Bari - Kumargha t								NP-6875-A	800	0.00	166.19			DGM (System Op)
B.6			132				P K Bari - Silchar 1								NP-9709-A	300	0.00	0.00			DGM (System Op)
B.7			132				P K Bari - Silchar 2								NP-9710-A	300	0.00	0.00			DGM (System Op)
B.8			132				Dharmana gar - Durrilavch erra								NP-6892-B	400	0.00	88.45			DGM (System Op)
B.9			132				Surajmani nagar (Sterilite) - Surajmani nagar (TSECL)								NP-9890-A	800	217.87	0.00			DGM (System Op)
B.10			132				Surajmani nagar (Sterilite) - Budhjung Nagar								NP-9893-A	800	16.03	0.00			DGM (System Op)
B.11			132				P K Bari (Sterilite) - P K Bari (TSECL)								NP-9931-A	800	253.15	0.00			DGM (System Op)
B.12			132				P K Bari (Sterilite) - Ambassa								NP-9930-A	800	18.01	0.00			DGM (System Op)
B.13			132				P K Bari - R C Nagar 1								NP-9933-A	800	111.24	0.00			DGM (System Op)
B.14			132				P K Bari -R C Nagar 2								NP-9932-A	800	111.05	0.00			DGM (System Op)
B.15																					

B.001	Total (M)	165.87	37.20		
B.002	Net input energy at OSCM periphery (M)			124.57	

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 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.

Authorized Signatory and Seal



Name of Authorized Signatory
Managing Director,
TSECL, Agartala.
 Full Address:

Signature:
 Name of Energy Manager:
 Registration Number:

Seal

Details of Input Energy Sources

Period From April 2021 To March 2022

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		Intra-State	14.37	11 KV	Energy Account
2	NHPC					1.6		
3	OTPC	726.6	Gas Fired		Intra-State	37.7	11 KV	Energy Account
4								
5	NTPC (BgTPP)	750	Coal based		Inter-State	10.46	11 KV	Energy Account
6							11 KV	Energy Account
7	Bilateral Sale					20.85		
8	State Transm loss					93.229		
9	Short Term Purchase					3.21		
10					Total	181.42		

