

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

		General	Information	n de la					
1	Name of the DISCOM		Tor	rent Power Limited-Sur.	at				
2	i) Year of Establishment								
	ii) Government/Public/Private			Private					
3	DISCOM's Contact details & Address		100	A TO A SHEET HERE					
i	City/Town/Village	Surat							
ii	District			Surat					
iii		Guja		Pin	395003				
	Telephone	0261-24	00240	Fax	•				
	Registered Office		T. N.						
i	Company's Chief Executive Name			Sh. Varun Mehta Executive Director					
ii	Designation								
	Address			l. "Samanvay" 600, Tapo	van, Ambawadi				
iv	City/Town/Village	Ahmed	labad	P.O.					
v	District		•	Ahmedabad					
_	State	Guja		Pin	380013				
	Telephone	079-225	51912	Fax	-				
5	Nodal Officer Details*								
i	Nodal Officer Name (Designated at DISCOM's)								
ii	Designation								
iii	Address		Torren	t House, Station Road, S					
iv	City/Town/Village	Sur	at	P.O.	Mahidharpura post offic				
v	District								
vi	State	Guja	rat	Pin	395003				
vii	Telephone	0261-24	00240	Fax	-				
	Energy Manager Details*								
i	Name			Sh. Hemal Upadhyay					
ii	Designation	Asst. Genera	ll Manager	Whether EA or EM	EA				
iii	EA/EM Registration No.		A word on	EA-2891					
	Telephone	, 2		Fax	•				
	Mobile	9824370053	E-mail ID	hemalupadh	yay@torrentpower.com				
_	Period of Information				y State				
-	Year of (FY) information including Date	AND THE PERSON OF THE PERSON O		O + 0001 + 01 + D = 000	1				
			· let i	Oct,2021 to 31st Dec,202	1				

21.	Performance Summary of Electricity Di	stribution 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		3		
(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		
(5)	Transmission and Distribution (T&D) loss Details	%	3.61%		
	Collection Efficiency	%	105.80%		
(c)	Aggregate Technical & Commercial Loss	%	-1.98%		
upplie hem o	indertake that the information supplied in this Document and Pro-forma is accured is found to be incorrect and such information result into loss to the Central Gorany other person affected, I/we undertake to indemnify such loss.		or any of the authority under		
	of Authorized Circulators Ch. Zoure Codi	R 3	ar opadnydy		
	of Authorised Signatory: Sh. Zaver Goti of the DISCOM: Torrent Power Limited-Surat	Registration Number: EA-2891			
ull Ad	dress:-Torrent House, Station Road, Surat				
	OWEN	.0 . 3			

Manual of Control of				Form-Dotaile	of Innut Infractivistics		
Marie of colors Marie of c	1	Parameters	Total			Remarks	
1. March of Association Control of Assoc		Section 1 Section 1 Section 2		audit	Verified by Auditor in Sample Check		
	ii	Number of divisions					
V. No. Resident of Control Control Machine of Control Machine						CEA Format E4 E2	1111/16-14
Ministry Convenience	ν	Number of DTs	2718				11 kV feeder considered
Mariest of Americans				ana.	St. F. Charles		
March of commerces with	a i	Number of conventional	OBKV and above	33KV			
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Marchae	-"'	'smart prepaid' meters			0	0	· .
Marchard contentions		'AMR' meters			. 260	0	
Notice of contamination				,	0	0	
Nomber of texts (consumery and text (consumery and text)	VI	Number of unmetered	,		0	0	
Notice of the content of the conte	- 1				·		
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Section of the property of t	- ii	Number of DTs with					
No. Number of trials Trendemon		communicable meters Number of unmetered DTs			1/10		
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Number of convenienced feeders 0 1477		Number of feeders with					
Number of total freeders	iii				, , , , , , , , , , , , , , , , , , , ,		
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Notinge level Imput Energy Particulars MU Reference Governor de Stats						0	*
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Medium Conventional 316.47 IEV/PRILADISTANCE	3	Voltage level	Input Energy Particulars	MU			
Short Term Conventional 316.47 IEC/PDILAUIT-SLDC Banking Long-Term Renewable energy For 38 WindsCEP/WF-others/TPL Wind, SchartchTDLE/Solarges/Genou/Others Medium and Short-Term RE Any power wheeled for any purchase other than als to DDCCM. Obes not include insult for franchise. Sale of surplus power Quantum of inter-state transmission loss Power procured from inter-state sources. BMO.07 Based on data from Form 5 Power at state transmission boundary Long-Term Conventional Medium Conventional Medium Conventional Medium Conventional Medium and Short-Term Congletic general costs input Sale of surplus power Quantum of inter-state sources As confirmed by SLDC, RLD Cetc Power procured from inter-state sources Medium and Short-Term Congletic general costs input Sale of surplus power Quantum of inter-state sources As a power procured from inter-state sources As a powe		-			Includes input energy for franchisees	Amgen, Sugen and Unosugen	
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Medium and Short-Term RE Includes power from bilateral/PX/ DEEP Any power wheeled for any purchase other than sale to DISCOM. Does not include inout for franchisee. Captive, open access input Sale of surplus power Cuantum of inter-state transmission loss Power at state transmission boundary 840.07 Based on data from Form 5 Long-Term Conventional Medium Conventional Banking Long-Term Conventional Banking Long-Term Renewable energy Medium and Short-Term Captive, open access input Sale of surplus power Unadium Conventional Sale of surplus power Captive, open access input Sale of surplus power Unadium and Short-Term Captive, open access input Sale of surplus power Unadium of intra-state sources O Power procured from intra-state sources O Some recevable energy N 33 bV Some recevable energy Somal capacity conventional bild bild bild bild bild bild bild bil				320.47	y * 12 W	IEA/PAIL/OI - SLDC	4
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Captive, open access input Sale of surplus power As confirmed by SLDC, RLDC etc Power procured from inter-state sources Power at state transmission boundary 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 boundary BAO 07 III III Sale of surplus power Quantum of intra-state transmission loss Power procured from intra-state sources Quantum of intra-state transmission loss Q Power procured from intra-state sources Quantum of intra-state transmission loss Q Renewable energy Medium and Short Term Quantum of intra-state transmission loss Q Renewable energy As a sale of surplus power Quantum of intra-state transmission loss Q Renewable energy Shale apparty conventional blomas/ hydro plaint procurement V III NV Renewable Energy Procurement Sale Migration Input VI LT Renewable Energy Procurement VIII Seles Migration Input VIII LE Renewable Energy Procurement VIII Seles Migration Input VIII Ceregy Embedded within DISCOM wires 4 30 Renevolve in energy VIII NC Seles Migration Input VIII Ceregy Embedded within DISCOM wires 4 30 Renevolve in energy VIII NC Seles Migration Input VIII Ceregy Embedded within DISCOM wires 4 30		66kV and ahove	Medium and Short-Term RE	1 To 1 To 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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Long-Term Conventional Medium 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 O Power procured from intra-state sources O Iii Input in DISCOM wires network Nord palants Procurement V II IV Renewable Energy Medium and Short-Term Captive, open access input V II IV Renewable Energy Medium Additional Medium A			Power procured from inter-state sources	840.07	Based on data from Form 5	, · · ·	
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Captive, open access input Captive, open access input		33141		1 1		107	<u> </u>
Sale of surplus power Quantum of intra-state transmission loss Power procured from intra-state sources In put in DISCOM wires network In put in DISCOM wires network B40.07 In an in put in DISCOM wires network B40.07 In an in put in DISCOM wires network B40.07 In an in put in DISCOM wires network B40.07 In an in put in DISCOM wires Small capacity conventional/ biomass/ hydro plants Procurement Captive, open access input Value and Captive, open access input A30 Rooftop solar/SMC Solar-Invoices (Within Surat City) Within Surat City) Value and Captive, open access input Value and	"	JORY .					v v
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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 Vi Energy Embedded within DISCOM wires network 4.30					* * * * * * * * * * * * * * * * * * * *		
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Small capacity conventional/ biomass/ hydro plants Procurement Captive, open access input V 11 kV Renewable Energy Procurement 4.30 Roortop 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 VI Energy Embedded within DISCOM wires network 4.30		33 kV	Renewable energy	840.07		7 7	
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 energy Embedded within DISCOM wires network 4.30			Small capacity conventional/ biomass/		, , , , , , , , , , , , , , , , , , ,		,
Small capacity conventional/ biomass/ hydro plants Procurement Sales Migration input				·			
Small capacity conventional/ biomass/ hydro plants Procurement Sales Migration input vi LT Renewable Energy Procurement Sales Migration input energy Embedded within DISCOM wires network 4.30	v	11 kV	Renewable Energy Procurement	4.30		Rooftop solar/SMC Solar-Invoices (Within Surat City)	
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vi LT Renewable Energy Procurement Sales Migration Input vii Energy Embedded within DISCOM wires network 4.30	.*						7.
Sales Migration input Vii Energy Embedded within DISCOM wires network 4.30	vi	LT			y y y		
vii Energy Embedded within DISCOM wires network 4.30				, ,	li i		
network	vii	3	Energy Embedded within DISCOM wires	4.30		19-11	
1 otal Energy Available/ Input 844.3/	_					7 y 1	
	VIII		Total Energy Available/ Input	844.37			

4	Voltage level	Energy Sales Particulars	MU	Reference	Remarks (Source of data)	
946	Designation of the original constraint	DISCOM' consumers	703.87	Include sales to consumers in franchisee areas, unmetered consumers		
	.€	Demand from open access, captive	0	Non DISCOM's sales		V.
ï	LT level	Embedded generation used at LT level	0	Demand from embedded generation at LT level	9	
		Sale at LT Level	703.87			
		Quantum of LT level losses				
		Energy Input at LT level				
	-	DISCOM' consumers	102.55	Include franchisee sales, unmetered consumers		
		Demand from open access, captive	0	Non DISCOM's sales		
11	11 kV level	Embedded generation at 11 kV level used	0	Demand from embedded generation at 11 kV level		V.
		Sale at 11 kV Level	102.55	S		
		Quantum of Losses at 11 kV		_	The second secon	
		Energy Input at 11 kV level				7
		DISCOM' consumers	0	Include sales to franchisee areas,unmetered consumers		
	33 kV level	Demand from open access, captive	0	Non DISCOM's sales	9	
iii		Embedded generation at 33 kV or below	o	This is DISCOM and OA demand met via		
	35 KV IEVEI	Sale at 33 kV Level	0	energy generated at same voltage level		
		Quantum of Losses at 33 kV	0			
		Energy input at 33kV Level	0			
		DISCOM' consumers	0	Include franchisee sales, unmetered consumers		
	ē.	Demand from open access, captive	0	Non DISCOM's sales		
	-	Cross border sale of energy	0		. 10	
iv	> 33 kV	Sale to other DISCOMs	0		=	
		Banking	0 .	-		
		Energy input at 33kV> Level	. 2:	B 10	*	
		Sales at 66kV and above (EHV)	. 0			
	(a)	Total Energy Requirement	836.66	* * * * * * * * * * * * * * * * * * * *	1,	Energy requirement at DISCOM Periphery
		Total Energy Sales	806.42	A single	# T 0	renpitery
_	~					
			Energy	Accounting Summary		1
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	建设设施
i	LT .		703.87		a g	1
ii	11 Kv	836.66	102.55	30.24	3.61%	4
iii	33 kv		0]		
iv	> 33 kv		0			
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	
i	LT					
H	11 Kv	-	9 4	(C) (C)		1
áii	33 kv		10		v	
` iv	> 33 kv	x 10			,	

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 L	osses (See n	ote below**)											
and the second		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							Division W	ise Losses	45.7	7 1 1 1 2 2 2	. Alexander									
	100						MARK PARK	tagging and a	- TANKS 12.07	Period from 1	et Oct,2021 to 31s	t Dec,2021					1.0			ommercial Param	eter	
						Consumer	profile						-	Energy parame Billed energy (MU)	ters			LA ANTONIO	Billed	Collected		AT & C los
S.N Name of o circle	Circle code	Name of Division	Consumer category	No of connection metered (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Load metered (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Input energy (MU)	Metered energy	Unmetered/asse ssment energy	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Amount in Rs. Crore	Amount in Rs. Crore	Collection Efficiency	(%)
The second second	2000000		Residential -	419171	0	419171	66.96%	833.24	0	833.24	38.10%		168.85	0.18	169	20.96%			121.74			
			Agricultural	228	0	228	0.04%	0.73	0	0.73	0.03%	1	0.24	0	0	0.03%			0.07			1
1 TPLD- Surat	-	Surat	Commercial / Industrial- LT	206339	0	206339	32.96%	1221.10	0	1221.10	55.83%	836.66	534.55	0 06	535	66.29%	30.24	3.61%	443.44	690.26	105.80%	-1.98%
			Commercial / Industrial- HT	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%					1	166.
sub-total	Carry 1			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%
			Residential	419171	0	419171	66.96%	833.24	0.00	833.24	38.10%		168.85	0.18	169	20.96%			121.74	690.26	105.80%	
			Agricultural	228	0	228	0.04%	0.73	0.00	0.73	0.03%	an B	0.24	0.00	0	0.03%			0.07	0.00	0.00%	
76 Tot	al		Commercial / Industrial- LT	206339	0	206339	32.96%	1221.10	0.00	1221.10	55.83%	83 <i>0</i> .66	534.55	0.06	535	66.29%	30.24	3.61%	443.44	0.00	0.00%	-1_98%
	La.		Commercial / Industrial- HT	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%	
		E-15	Others	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 compan	ry level	FE		625998		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.

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4	Please enter circle code
0	Please enter numeric value or 0
2	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	July .	Signature:	
Name of Authorised Signatory:	Sh. Zaver Goti		Sh. Hemal Upadhyay
		Registration Number:	EA-2891
Full Address:-	Torrent House, Station Road, Surat	V	
Seal	POWEA SURAT S		
	1021		

Form-Input energy (Details of Input energy & Infrastructure) A. Summary of energy input & Infrastructure									
Parameters	Period from 1st Oct,2021 to 31st Dec,2021	Remarks (Source of data)							
Energy purchased (MU)	844.37								
mission loss (%)	0%								
mission loss (MU)	0%	-							
y sold outside the periphery(MU)	. 0	·							
access sale (MU)	0	·							
ale	0								
put energy (received at DISCOM periphery or at distribution point)-(MU)	836.66								
% metering available at 66/33 kV (Select yes or no from list)	Yes								
% metering available at 11 kV (Select yes or no from list)	Yes	-							
metering available at DT	100%								
metering available at consumer end	100%								
feeders at 66kV voltage level	0								
feeders at 33kV voltage level	0 -								
feeders at 11kV voltage level	437								
LT feeders level	0								
ength (ckt. km) at 66kV voltage level	0								
ength (ckt. km) at 33kV voltage level	0								
ength (ck. km) at 11kV voltage level	1645	Underground Cable							
engin (im) at Li level	0 0								
n of Underground Cables	3308	LT Underground Cable							
ratio	0.50	ET Offder ground Cable							
Tatto .	0.50								

-				-					B. Meter	eading of Input e	nergy at injection	points								
		a second	200			1500			0.0/20	Metering Date			tatus of Communica	ation	Pe	riod from 1s	t Oct,2021 to 31st Dec,	2021		
SNO	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)	Date of last actual meter reading/ communication	Feeder Type (Agricultural/ Industrial/Mixed)	% 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)	Sales	Remarks (Source of data)
B.1	Surat	Surat	220kV				TPL-G (APP)		1300			70000					562.49	0		
B.2	Surat	Surat	220kV				SUGEN			1							727.30	0		
В.3	Surat	Surat	220kV				UNOSUGEN				13002						158.86	0		
B.4	Surat	Surat	220kV				Bilateral										117.04	0	806.42	
B.5	Surat	Surat	220kV				Power Exchange										749.27	0	800.42	
B.6	Surat	Surat	220kV				Renewables										226.61	0		
B.8	Surat	Surat	220kV				Sale of surplus power/UI/ Wir	nd Setoff			and the second						125.95	0	1	
B.9	Surat	Surat	220kV	_			Transmission Losses		- 100								-13.17	0	1	
							TPL-D (Abad) Requirement				建热。 7						-1817.70	0	-	
_		1										100								
B.1001									Total (MU)						-		836.66	0.00	806.42	
B.1002	Net input energy at DISCOM periphery (MU)									100	836.66									

Color			Parameter
4 3			Please enter voltage level or leave blank
	2.5	Section 2	Please enter feeder id and name or leave blank
	S 185.4		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
16 A C		1975	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	Quital.	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	POWED SURAT SURAT		

(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		1										
7	Water Supply	LT	440	1	0.03	LTMD							
8	Public Lighting	LT	440	1324	3.24	PUBLIGH LIGHTING							
9	HT Water Supply	нт	11000	30	16.95	HTMD2							
10	HT Industrial	нт	11000	230	85.60	HTMD1							
11	Industrial (Small)			- 15									
12	Industrial (Medium)	LT LT	440	60603	407.84	Non RGP and LTMD							
13	HT Commercial												
14	Applicable to Government Hospitals & Hospitals					1							
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)				(F)								
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			marker to be a first to the set										
			Total	625998	806.42								
	NOT THE STATE OF T			× 1									