The Director
Bureau of Energy Efficiency
Ministry of Power, Government of India
4th Floor, Sewa Bhawan
RK Puram, New Delhi- 110066
Tel:- +91(11)26179699

PBD/SK/376 /2023
Date: 30 /11/2023

Knd Attn:- Shree Milind Deore Jee

Sub: Submission of Periodic energy accounting report for Tata Steel Utilities and Infrastructure Services Limited License area in Saraikela for the period Q-2 FY24 (i.e., July-2023 to September-2023).

Ref: - Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021.

Dear Sir,

In view of the above-mentioned regulation, we would like to submit the Periodic Energy Audit report for Tata Steel Utilities and Infrastructure Services Limited License area in Saraikela for the period Q-2 FY24 (i.e., July-2023 to September-2023).

Feeder wise losses are not available in our IT system, we are in process to develop the same.

We would like to intimate that Tata Steel Utiilities and Infrastructure Services Limited does not receive any subsidy from government, in view of the same for the period July-2023 to September-2023

Kindly acknowledge the compliance of the directive.

Thanking You.

(Suman Mandal)
Senior Divisional Manager

General Information					
1	**Name of the DISCOM**	TATA STEEL UTILITIES AND INFRASTRUCTURE SERVICES			
2	**i) Year of Establishment**	2004			
	ii) Government/Public/Private	Private			
3	**DISCOM's Contact details & Address**				
i	City/Town/Village	Northern Town, Bistupur, Jamshedpur			
ii	District	East Singhbhum			
iii	State	Jharkhand		Pin	831001
iv	Telephone	0657-6652118		Fax	
4	**Registered Office**				
i	Company's Chief Executive Name	MR. RITURAJ SINHA			
ii	Designation	MANAGING DIRECTOR			
iii	Address	SAKCHI BOULEVARD ROAD, BISTUPUR			
iv	City/Town/Village	JAMSHEDPUR		P.O.	BISTUPUR
v	District	EAST SINGHBHUM			
vi	State	JHARKHAND		Pin	831001
vii	Telephone	0657-6652101		Fax	
5	**Nodal Officer Details***				
i	Nodal Officer Name (Designated at DISCOM's)	MR SUMAN MANDAL			
ii	Designation	SENIOR DIVISIONAL MANAGER			
iii	Address	SAKCHI BOULEVARD ROAD, BISTUPUR			
iv	City/Town/Village	JAMSHEDPUR		P.O.	BISTUPUR
v	District	EAST SINGHBHUM			
vi	State	JHARKHAND		Pin	831001
vii	Telephone	0657-6652333		Fax	
6	**Energy Manager Details***				
i	Name	MR VARUN KUMAR M			
ii	Designation	MANAGER		Whether EA or EM	EM
iii	EA/EM Registration No.	EM-11569/22			
iv	Telephone			Fax	
v	Mobile	9065526794	E-mail ID	mvarun.kumar@tatasteel.com	
7	**Period of Information**				
	Year of (FY) information including Date and Month (Start & End)	1st July, 2023 - 30th September, 2023			

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st July, 2023 - 30th September, 2023	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	282.68
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	282.68
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	277.80
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	4.88
		%	1.73%
	Collection Efficiency	%	100.92%
(c)	Aggregate Technical & Commercial Loss	%	0.82%

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

Authorised Signatory and Seal

Name of Authorised Signatory Suman Mandal
Name of the DISCOM: Tata Steel UISL
Full Address:- Jamshedpur, Jharkhand.

Signature:-
Name of AEA*: M. Varun Kumar
Registration Number: EM - 11569/22

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	1		
ii	Number of divisions	1	1		
iii	Number of sub-divisions	NA	NA		
iv	Number of Sub-stations	10	10		
v	Number of Power Transformers	24	24		
vi	Total capacity of the PTRs in MVA	400	400		
vii	Number of Capacitor banks	0	0		
viii	Total capacity of the Capacitor Banks in MVAr	0	0		
ix	Number of feeders	669	669		
x	Number of DTs	293	293		
xi	Total Capacity of DTs in MVA	59.03	59.03		
xii	Number of consumers	8227	8227		
2	Parameters	66kV and above	33kV	11kV,22kV,20kV,6.6kV,3.3kV	LT
a. i.	Number of conventional metered consumers				7550
ii	Number of consumers with 'smart' meters				
iii	Number of consumers with 'smart prepaid' meters				
iv	Number of consumers with 'AMR' meters		57	316	304
v	Number of consumers with 'non-smart prepaid' meters				
vi	Number of unmetered consumers				
vii	**Number of total consumers**		57	316	7854
b.i.	Number of conventionally metered Distribution Transformers				
ii	Number of DTs with communicable meters		5	286	2
iii	Number of unmetered DTs				
iv	**Number of total Transformers**		5	286	2
c.i.	Number of metered feeders				
ii	Number of feeders with communicable meters		36	66	567
iii	Number of unmetered feeders				
iv	**Number of total feeders**		36	66	567
d.	Line length (ct km)		251.54	419.22	309.89
e.	Length of Aerial Bunched Cables				64.00
f.	Length of Underground Cables		251.54	419.22	245.89

3	Voltage levels	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	243	Includes input energy for franchisees	
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		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	243.43	Based on data from Form 5	
		Power at state transmission boundary	243.43		
ii	33kV	Long-Term Conventional	39		
		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	0.00		
		Power procured from intra-state sources	38.74		
iii		**Input in DISCOM wires network**	282.17		
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	1		
vi	LT	Renewable Energy Procurement			
		Sales Migration Input			
vii		**Energy Embedded within DISCOM wires network**	0.51		
viii		**Total Energy Available/ Input**	282.68		

4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	19	Include sales to consumers in franchisee areas, unmetered 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	18.89		
		Quantum of LT level losses	1.44		Measured loss ~ 7.10% (representation of 80% LT Consumers)
		Energy Input at LT level	20		
ii	11 kV Level	DISCOM' consumers	76	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	75.59		
		Quantum of Losses at 11 kV	1.79		Measured loss ~ 1.83%
		Energy input at 11 kV level	77		
iii	33 kV Level	DISCOM' consumers	183	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	183.32		
		Quantum of Losses at 33 kV	1.65		Measured loss ~ 0.58%
		Energy input at 33kV Level	185		
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)			
		Total Energy Requirement	**282.68**		
		Total Energy Sales	**277.80**		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	20.33	18.89	1.44	7.10%
ii	11 Kv	97.71	95.92	1.79	1.83%
iii	33 kv	282.68	281.03	1.65	0.58%
iv	> 33 kv	0.00		0.00	#DIV/0!
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	0.00		0.00	#DIV/0!
ii	11 Kv	0.00		0.00	#DIV/0!
iii	33 kv	0.00		0.00	#DIV/0!
iv	> 33 kv	0.00		0.00	#DIV/0!

Loss Estimation for DISCOM	
T&D loss	4.88
D loss	4.88
T&D loss (%)	1.73%
D loss (%)	1.73%

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

Division Wise Losses

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

S.No	Name of circle	Circle code	Name of Division	Division Type (Urban/Rural)	Consumer profile: 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	Energy parameters: Input energy (MU)	Billed energy (MU): Metered energy	Billed energy (MU): Unmetered/ assessment energy	Billed energy (MU): Total energy	% of energy consumption	Losses: T&D loss (MU)	Losses: T&D loss (%)	Commercial Parameter: Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency	AT & C loss (%)
1					Residential	6315	0	6315	77%	43.846	0	43.846	16%	282.68	13.49	0	13.4905653	5%	4.87666	2%	5.2349632	5.68	108.50%	
					Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
					Commercial/Industrial-LT	1545	0	1545	19%	24.118	0	24.118	9%		9.25	0	9.25337043	3%			5.6955729	5.98	104.99%	
					Commercial/Industrial-HT	337	0	337	4%	211.378	0	211.378	76%		255.04	0	255.036303	92%			167.37641	168.28	100.54%	
					Others	30	0	30	0%	0.274	0	0.274	0%		0.02	0	0.0185853	0%			0.0236936	0.025	105.51%	
Sub-total						8227	0	8227	100%	279.616	0	279.616	100%	282.675	277.799	0	277.798824	100%	4.87666	2%	178.33064	179.965	100.92%	1%
76	Total				Residential	6315	0	6315	77%	43.846	0	43.846	16%	282.675	13.4906	0	13.4905653	5%	4.87666	2%	5.2349632	5.68	108.50%	
					Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
					Commercial/Industrial-LT	1545	0	1545	19%	24.118	0	24.118	9%		9.25337	0	9.25337043	3%			5.6955729	5.98	104.99%	
					Commercial/Industrial-HT	337	0	337	4%	211.378	0	211.378	76%		255.036	0	255.036303	92%			167.37641	168.28	100.54%	
					Others	30	0	30	0%	0.274	0	0.274	0%		0.01859	0	0.0185853	0%			0.0236936	0.025	105.51%	
77	At company level					8227	0	8227	100%	279.616	0	279.616	100%	282.675	277.799	0	277.798824	100%	4.87666	2%	178.33064	179.965	100.92%	1%

** 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

Color code	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

Name of Authorised Signatory: Suman Mandal

Name of the DISCOM: Tata Steel UISL

Full Address:- Jamshedpur, Jharkhand.

Seal

Signature:-

Name of Energy Manager: M. Varun Kumar

Registration Number: EM - 11569/22

Form-Input energy(Details of Input energy & Infrastructure)			
A. Summary of energy input & Infrastructure			
S.No	Parameters	Period From 01.07.2023	Remarks (Source of data)
A.1	Input Energy purchased (MU)	282.68	Purchase bills
A.2	Transmission loss (%)	0%	
A.3	Transmission loss (MU)	0.00	
A.4	Energy sold outside the periphery(MU)	0.00	
A.5	Open access sale (MU)	0.00	
A.6	EHT sale	0.00	
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	282.68	
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	36	
A.14	No of feeders at 11kV voltage level	66	
A.15	No of LT feeders level	567	
A.16	Line length (ckt. km) at 66kV voltage level	0.00	
A.17	Line length (ckt. km) at 33kV voltage level	251.54	
A.18	Line length (ckt. km) at 11kV voltage level	419.22	
A.19	Line length (km) at LT level	309.89	
A.20	Length of Aerial Bunched Cables	64.00	
A.21	Length of Underground Cables	916.65	
A.22	HT/LT ratio	2.16	

B. Meter reading of input energy at injection points

S.No	Zone	Circle	Voltage Level	Division	Sub-Division	Sub-Station	Feeder ID	Feeder Name	Feeder Metering Status (Metered/ numetered/ AMI/AMR)	Status of Meter (Functional/ Non-functional)	Meterint Date of last actual meter reading/ communication	Feeder Type (Agri/ Industrial/Mixed)	Status of Communication % data received through automatically if feeder AMR/A	Number of hours when meter was unable to communicate in period	Total Number of hours in the period	Period from 01.07.2023 to 30.07.2023 Meter S.No	External CT ratio	Meter CT ratio	External PT ratio	Meter PT ratio	MF	Import (MU)	Export (MU)	Sales(MU)	Remarks (Source of data)
B.1	Saraikela Kharsawan	Saraikela Kharsawan	132	NA	NA		NA	DVC 132 kv Chandil line 1 and line 2	Metered	Functional	30.09.2013	Mixed	100%	0	2208	M1-SMU00541	200	200	1200	1200	1	127.54	0.00	0.00	Purchase bills
B.2	Saraikela Kharsawan	Saraikela Kharsawan	132	NA	NA		NA	TPCL Jojobera TGS Line 4	Metered	Functional	30.09.2023	Mixed	100%	0	2208	JU500025	1000	1000	1200	1200	1	115.89	0.00	0.00	Purchase bills
B.3	Saraikela Kharsawan	Saraikela Kharsawan	33	NA	NA		NA	DVC 33	Metered	Functional	30.09.2023	Mixed	100%	0	2208	M1-DVCM0236	120	120	300	300	1	38.74	0.00	0.00	Purchase bills
B.4	Saraikela Kharsawan	Saraikela Kharsawan	6.6	NA	NA		NA	TSL 6.6 kv	Metered	Functional	30.09.2023	Mixed	100%	0	2208	JSB26653	20	1	60	1	1200	0.51	0.00	0.00	Purchase bills
B.13400																				#DIV/0!					
B.13401	Total (MU)																					282.68	0.00		
B.13402	Net input energy at DISCOM periphery (MU)																					282.68			

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

Name of Authorised Signatory Sumon Mandal
Name of the DISCOM: Tata Steel UISL
Full Address:- Jamshedpur, Jharkhand.

Seal

Signature:-
Name of Energy Manager*: M. Varun Kumar
Registration Number: EM-11569/22

Details of Input Energy Sources

Period From 01/07/2023 To 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)
		Contract Demand						
	DVC 132 kv Chandil line 1 and line 2	68	Others	Long Term	Intra State		132 KV	Purchased at State Boundry
	TPCL Jojobera TGS Line 4	59.5	Others	Long Term	Intra State		132 KV	Purchased at State Boundry
	DVC 33	22.1	Others	Long Term	Intra State		33 KV	Purchased at State Boundry
	TSL 6.6 kv	0.85	Others	Long Term	Intra State		6.6 KV	Purchased at State Boundry

(Details of Consumers)

Summary of Energy

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

S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In kV) 220kV/132kV/ 110kV/66kV/33kV/ 22kv/20kV/11kV/6. 6kV/3kV/00.4kV/0. 23kV	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic	LT Domestic	400 V	6279	9.61	From SAP control Report
2	Commercial	LT	400 V	1241	3.98	From SAP control Report
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					
8	Public Lighting					
9	HT Water Supply					
10	HT Industrial	HT-IS	33 KV	57	183.32	From SAP control Report
11	Industrial (Small)	LTIS	400 V	304	5.27	From SAP control Report
12	Industrial (Medium)	HT-IS	11 KV	280	71.71	From SAP control Report
13	HT Commercial					
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas	DSHT	11KV	36	3.88	From SAP control Report
17	Mixed Load					
18	Government offices and department					
19	Others-1 (if any , specify in remarks)	LT	400 V	30	0.02	From SAP control Report
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	8227	277.80	

Details of DT-wise losses (please add more rows as per requirement)

Sl. No.	Zone Name	Circle name	Division name	Name of the Sub division.	Name of the Substation	Substation Code	Name of the 11 kV Feeder	Feeder Code	Name of the Location where DT situated	DT code	DT Capacity (kVA)	Predominant consumer type of DT (Domestic/Industrial/Agriculture/Mixed)	Type of metering AMR/AMI/ Communicable/Conventional meter/Unmetered.	Status of Meter- whether Functional (Yes/No)	% of data received automatically if AMR/AMI	No of Connected Consumers	Input Energy (MU) (A)	Billed Energy (MU) (B)	Loss (MU) (A-B)	%Loss (A-B)/A
DT FOUND WITH LOSS RANGING FROM 0% to 12%																				
1		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	S TYPE DT 1	S_TYPE01	250	DOM	AMR	Yes	Above 95%	201	0.059925	0.056119	0.0038	6.35%
2		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	ASIANA	ATC_1	630	DOM	AMR	Yes	Above 95%	127	0.053291	0.051724	0.0016	2.94%
3		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	ADITYA GREEN	ADTGREEN	100	DOM	AMR	Yes	Above 95%	26	0.012496	0.012103	0.0004	3.15%
4		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 6	NA	PANCHSHEEL	ANANDV02	100	DOM	AMR	Yes	Above 95%	20	0.006710	0.006218	0.0005	7.33%
5		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 6	NA	PANCHSHEEL	ANANDV02	100	DOM	AMR	Yes	Above 95%	20	0.006710	0.006218	0.0005	7.33%
6		Saraikela	Saraikela	Seraikela	TGS S/S	NA			SUDHAPUR	20171619	100KVA	Domestic	Conventional mete	Yes	0	24	0.005744	0.005698	0.0000	0.80%
7		Saraikela	Saraikela	Saraikela	S-11	NA	OG 5	NA	6.6 KV CPSS AIADA	CPSS01	1000	DOM	AMR	Yes	Above 95%	352	0.181936	0.171428	0.0105	5.78%
8		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	MP NAGINA DT	MPNAGINA	250	DOM	AMR	Yes	Above 95%	54	0.061024	0.060264	0.0008	1.25%
9		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	CITY CLASSIC	CITYCLAC	250	DOM	AMR	Yes	Above 95%	84	0.098926	0.094219	0.0047	4.76%
10		Saraikela	Saraikela	Seraikela	TGS S/S	NA			RAIMARA	20171617	100KVA	Domestic	Conventional mete	Yes	0	21	0.009276	0.009158	0.0001	1.27%
11		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	MA TYPE	MA_TYPE	250	DOM	AMR	Yes	Above 95%	71	0.076268	0.071586	0.0047	6.14%
12		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	SRINATH B-ED COI	SR_BED_C	250	DOM	AMR	Yes	Above 95%	75	0.080106	0.080090	0.0000	0.02%
13		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 3	NA	TISCO SOCIETY	TISCOS	250	DOM	AMR	Yes	Above 95%	103	0.062194	0.059143	0.0031	4.91%
14		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 3	NA	SHREYA APPS	SHREYA	250	DOM	AMR	Yes	Above 95%	54	0.021793	0.020981	0.0008	3.73%
15		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	11 KV CPSS AIADA	CPSS#02	630	DOM	AMR	Yes	Above 95%	58	0.041629	0.038004	0.0036	8.71%
16		Saraikela	Saraikela	Seraikela	TGS S/S	NA			BALIGUMA	606	250 KVA	Mixed	Conventional mete	Yes	0	90	0.116144	0.111133	0.0050	4.31%
17		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 5	NA	BAJRANG LAL GOY	BAJRLG01	250	DOM	AMR	Yes	Above 95%	2	0.012742	0.012442	0.0003	2.35%
18		Saraikela	Saraikela	Seraikela	TGS S/S	NA			MOHANPUR	20180333	250 KVA	Domestic	Conventional mete	Yes	0	87	0.085896	0.082917	0.0030	3.47%
19		Saraikela	Saraikela	Saraikela	PH#1	NA	OG 6	NA	MIG-1	MIG#01	500	DOM	AMR	Yes	Above 95%	116	0.089110	0.089020	0.0001	0.10%
DT FOUND WITH LOSS ABOVE 12% - seems to be error in consumer indexing																				
20		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 3	NA	VINAYAKA GARDE	VINAYAKG	315	DOM	AMR	Yes	Above 95%	101	0.025180	0.021470	0.0037	15%
21		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	CPSS KALPANAPUI	KALAPANA	630	DOM	AMR	Yes	Above 95%	248	0.182592	0.157813	0.0248	14%
22		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 5	NA	BAJRANG TOWER	BAJRAN01	315	DOM	AMR	Yes	Above 95%	49	0.013610	0.010966	0.0026	19%
23		Saraikela	Saraikela	Saraikela	PH#1	NA	OG 5	NA	SAHARA DT-3	SAHARN02	315	DOM	AMR	Yes	Above 95%	212	0.094279	0.079257	0.0150	16%
24		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	ANAC DTR	KALPAN02	250	DOM	AMR	Yes	Above 95%	54	0.058731	0.048781	0.0100	17%
25		Saraikela	Saraikela	Saraikela	0	NA	0	NA	MAHAVIR TRADE (	MTC01	315	DOM	AMR	Yes	Above 95%	16	0.061045	0.043892	0.0172	28%
26		Saraikela	Saraikela	Saraikela	PH#1	NA	OG 5	NA	VIBHA DT	VIBHAH01	315	DOM	AMR	Yes	Above 95%	39	0.017110	0.011927	0.0052	30%
27		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	CPSS KALPANAPUI	KALAPANA	630	DOM	AMR	Yes	Above 95%	248	0.182592	0.157813	0.0248	13.57%

Sl. No.	Zone Name	Circle name	Division name	Name of the Sub division.	Name of the Substation	Substation Code	Name of the 11 kV Feeder	Feeder Code	Name of the Location where DT situated	DT code	DT Capacity (kVA)	Predominant consumer type of DT (Domestic/Industrial/Agriculture/Mixed)	Type of metering AMR/AMI/ Communicable/Conventional meter/Unmetered.	Status of Meter-whether Functional (Yes/No)	% of data received automatically if AMR/AMI	No of Connected Consumers	Input Energy (MU) (A)	Billed Energy (MU) (B)	Loss (MU) (A-B)	%Loss (A-B)/A
DT FOUND WITH LOSS IN NEGATIVE - seems to be error in consumer indexing																				
28		Saraikela	Saraikela	Saraikela	PH#1	NA	OG 6	NA	SAIPATH DT	MIG_SAI	250	DOM	AMR	Yes	Above 95%	123	0.061720	0.081027	-0.0193	-31%
29		Saraikela	Saraikela	Saraikela	PH#7	NA	OG 4	NA	VIVEK VIHAR DT	VIVEK	250	DOM	AMR	Yes	Above 95%	93	0.030127	0.038138	-0.0080	-27%
30		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	AIADA	AIADA#01	250	DOM	AMR	Yes	Above 95%	11	0.005485	0.006757	-0.0013	-23%
31		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	SRINATH DT-1	SRINAT01	250	DOM	AMR	Yes	Above 95%	221	0.108362	0.129301	-0.0209	-19%
32		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 6	NA	ADITYA GARDEN D	ADTGAR02	250	DOM	AMR	Yes	Above 95%	58	0.051027	0.060804	-0.0098	-19%
33		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	M P COMPLEX	MPCOMPLE	250	DOM	AMR	Yes	Above 95%	24	0.031025	0.036617	-0.0056	-18%
34		Saraikela	Saraikela	Saraikela	TGS LS	NA	OG 1	NA	MAMAJI COMPLEX	MAMAJEE	250	DOM	AMR	Yes	Above 95%	15	0.020176	0.023561	-0.0034	-17%
35		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	R-20 DT	R-20	250	DOM	AMR	Yes	Above 95%	162	0.071026	0.081602	-0.0106	-15%
36		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	SHIVA NURSING	SHIV_NUR	250	DOM	AMR	Yes	Above 95%	80	0.051035	0.058261	-0.0072	-14%
37		Saraikela	Saraikela	Seraikela	TGS S/S	NA			BADAMARI	20121322	100KVA	Domestic	Conventional mete	Yes	0	34	0.010696	0.012176	-0.0015	-14%
38		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	SAMBHAV APAR	SAMBHAV	100	DOM	AMR	Yes	Above 95%	16	0.008142	0.009026	-0.0009	-11%
39		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 5	NA	DAYALPRATAP DT	DAYALP01	315	DOM	AMR	Yes	Above 95%	50	0.008026	0.008871	-0.0008	-11%
40		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 3	NA	SAI KALPANA	SAIKAL01	250	DOM	AMR	Yes	Above 95%	84	0.020164	0.021935	-0.0018	-9%
41		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	SANJEEVNI DT	NAGINP01	250	DOM	AMR	Yes	Above 95%	131	0.101845	0.108943	-0.0071	-7%
42		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	TRINETRAM TOWE	TRINET01	100	DOM	AMR	Yes	Above 95%	17	0.004902	0.005178	-0.0003	-6%
43		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	AASTHA ARCADE	ASHARCD	100	DOM	AMR	Yes	Above 95%	16	0.016116	0.016725	-0.0006	-4%
44		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	M P MOTI	MP_MOTI	250	DOM	AMR	Yes	Above 95%	65	0.026100	0.027000	-0.0009	-3%
45		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	ORBIT DT	ORBIT	250	DOM	AMR	Yes	Above 95%	29	0.030178	0.031037	-0.0009	-3%
46		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	SHIVRANJANI	SHIV_C1	250	DOM	AMR	Yes	Above 95%	48	0.061946	0.063702	-0.0018	-3%
47		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	MAHAMAYA	MAHAMAYA	250	DOM	AMR	Yes	Above 95%	60	0.011725	0.012051	-0.0003	-3%
48		Saraikela	Saraikela	Saraikela	PH#1	NA	OG 6	NA	MIG-2	MIG#02	250	DOM	AMR	Yes	Above 95%	155	0.083210	0.085067	-0.0019	-2%
49		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 8	NA	ROAD NO 5 HARI C	HARIOMNA	250	DOM	AMR	Yes	Above 95%	101	0.093278	0.094320	-0.0010	-1%
50		Saraikela	Saraikela	Saraikela	PH#2	NA	OG 5	NA	M5 DT	MIG#05	100	DOM	AMR	Yes	Above 95%	27	0.030071	0.030016	0.0001	-0.37%
51		Saraikela	Saraikela	Saraikela	PH#4	NA	OG 3	NA	RAMESWARAM	RAMESHWA	250	DOM	AMR	Yes	Above 95%	178	0.051047	0.061152	0.0101	-0.21%

Note:

Current level of T&D Loss of Tata Steel UISL is hovering around a level of Technical Loss Limit. Whatever Variation is observed, basically depend on the loading patterns of the consumers which varies time to time depending on the external factor such as weathers, economic performances etc. Previously, we have replied that, full time additional organisation is required to undertake DT wise/feeder wise analysis for all Feeder/DTs. It is planned to build the organisation in FY24 and it will undertake the same thereafter. However, with the existing resources, we have attempted for DT wise loss energy accounting and loss calculated for 51 Nos out of 293. i) Loss of 19 DTs found to be in the range of 0% to 12%, ii) Loss of 8 DTs found to be more than 12% & iii) Loss of 24 DTs found to be in negative range. It seems consumer indexing for DT under category ii) & iii) is not correct. DISCOM is working to correct the same.