

Energy Accounting Report for Quarter - 1

General Information

1	Name of the DISCOM	India Power Corporation Limited		
2	i) Year of Establishment	1919		
	ii) Government/Public/Private	Private Limited		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
ii	District	North 24 Parganas		
iii	State	West Bengal	Pin	700091
iv	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
4	Registered Office			
i	Company's Chief Executive Name	Raghav Raj Kanoria		
ii	Designation	Managing Director (Distribution)		
iii	Address	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
iv	City/Town/Village	Salt Lake City	P.O.	Bidhan Nagar
v	District	North 24 Parganas		
vi	State	West Bengal	Pin	700091
vii	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Amit Prakash		
ii	Designation	Vice President		
iii	Address	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
iv	City/Town/Village	Salt Lake City	P.O.	Bidhan Nagar
v	District	North 24 Parganas		
vi	State	West Bengal	Pin	700091
vii	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
6	Energy Manager Details*			
i	Name	Samrat Kundu		
ii	Designation	Energy Manager	Whether EA or EM	EM
iii	EA/EM Registration No.	EA 23270		
iv	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
v	Mobile	9754950535	E-mail ID	samrat.kundu@indiapower.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st April, 2023 - 30th June , 2023		



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Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st April, 2023 - 30th June , 2023
2	Technical Details	
(a)	Energy Input Details	
(i)	Input Energy Purchase (From Generation Source)	Million kwh 265.24
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh 265.24
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh 257.89
(b)	Transmission and Distribution (T&D) loss Details	Million kwh 7.34
	Collection Efficiency	2.77%
(c)	Aggregate Technical & Commercial Loss	97.55%
		5.15%

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

Amal Prasad

Name of Authorised Signatory :

Name of the DISCOM: M/s India Power Corporation Limited

Full Address:- Plot No.X1-2 & 3, Block – EP, Sector -V, Salt Lake City,Kolkata - 700091

Amal Prasad

Signature:-

Name of AEA*: Samrat Kundu

Registration Number: EA 23270



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				
iii	Number of sub-divisions				
iv	Number of feeders	393			
v	Number of DTs	536			
vi	Number of consumers	8929			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers			16	1208
ii	Number of consumers with 'smart' meters				328
iii	Number of consumers with 'smart prepaid' meters				1634
iv	Number of consumers with 'AMR' meters	2	15	300	308
v	Number of consumers with 'non-smart prepaid' meters				5118
vi	Number of unmetered consumers				0
vii	Number of total consumers	2	15	316	8596
b.i.	Number of conventionally metered Distribution Transformers			162	
ii	Number of DTs with communicable meters			374	
iii	Number of unmetered DTs			536	0
iv	Number of total Transformers	0	0	536	
c.i.	Number of metered feeders				223
ii	Number of feeders with communicable meters	2	35	133	
iii	Number of unmetered feeders				
iv	Number of total feeders	2	35	133	223
d.	Line length (ct km)	43.80	260.72	806.34	141.16
e.	Length of Aerial Bunched Cables			5.46	21.18
f.	Length of Underground Cables		27.32	101	89
	Total Line Length	43.80	288.04	912.45	251.17
3	Voltage levels	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional		Includes input energy for franchisees	Contract, Bills
		Medium Conventional			
		Short Term Conventional	47.79		Exchange Bills
		Banking			Contract, SLDC Bills
		Long-Term Renewable energy	100.10		PSA, Bills
		Medium and Short-Term RE		Includes power from bilateral/ PX/ DEEP	Bills
		Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	Physical Visit, Bills
		Sale of surplus power			
		Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources		Based on data from Form 5	
		147.89			
ii	33kV	Long-Term Conventional	100.59		Contract, Bills
		Medium Conventional			
		Short Term Conventional			Exchange Bills
		Banking			Contract, SLDC Bills
		Long-Term Renewable energy			PSA, Bills
		Medium and Short-Term RE			Bills
		Captive, open access input			Physical Visit, Bills
		Sale of surplus power			
		Quantum of intra-state transmission loss			
		Power procured from Intra-state sources			
iii		Input in DISCOM wires network	100.59		
iv	33 kV	Renewable Energy Procurement			Contract, Bills
		Small capacity conventional/ biomass/ hydro plants Procurement			
v	11 kV	Captive, open access input	16.68		Exchange Bills
		Renewable Energy Procurement	0.08		Contract, SLDC Bills
		Small capacity conventional/ biomass/ hydro plants Procurement			PSA, Bills
vi	LT	Sales Migration Input			Bills
		Renewable Energy Procurement			Physical Visit, Bills
vii		Sales Migration Input			
		Energy Embedded within DISCOM wires network	16.759		
viii		Total Energy Available/ Input	265.24		



4	Voltage level	Energy Sales Particulars	MU	Reference
i	LT Level	DISCOM' consumers	26.04	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	26.04	
		Quantum of LT level losses	2.47	
ii	11 kV Level	DISCOM' consumers	79.265	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	79.27	
		Quantum of Losses at 11 kV	2	
iii	33 kV Level	DISCOM' consumers	86.275	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	86.28	
		Quantum of Losses at 33 kV	1	
iv	> 33 kV	DISCOM' consumers	66.308	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	67.397	
		Sales at 66kV and above (EHV)	66.31	
Total Energy Requirement			265.23	
Total Energy Sales			257.89	Majority of energy flows from upstream to downstream network, after sale and losses at the respective level. In case we give input at every level, this value will not be correct. Loss figure below will be wrong.

Energy Accounting Summary					
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	28.519	26.044	2.475	8.68%
ii	11 Kv	81.744	79.265	2.479	3.03%
iii	33 kv	87.574	86.275	1.299	1.48%
iv	> 33 kv	67.397	66.308	1.089	1.62%
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	7.34
D loss	7.34
T&D loss (%)	2.77%
D loss (%)	2.77%

 Signature:-
Name of Authorised Signatory: Amit Prakash
Name of Energy Manager*: Samrat Kundu



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

1st April, 2023 - 30th June, 2023

S.No	Name of Circle	Circle code	Name of Division	Consumer category	Consumer profile				Energy parameters				Losses			Commercial Parameter			AT & C loss (%)	
					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	Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy consumption	T&D loss (MU)	T&D loss (%)		Billed Amount in Rs. Crore
1	Asansol	ASN	ASN	Residential	7087	0	7087	79%	24	0	24.00	8%	6.33	0	6.33	2%	4.57	4.50	98.48%	
				Agricultural	0	0	0	0%	0	0	0.00	0%	0.00	0%	0.00	0	0.00	0.00	0.00	0.00%
				Commercial/Industrial-LT	1461	0	1461	16%	9	0	9.00	3%	265.24	3%	6.64	0	6.64	5.26	5.26	100.12%
				Commercial/Industrial-HT	298	0	298	3%	11	0	11.00	3%	225.52	8%	225.52	0	225.52	157.37	155.19	98.62%
			Others	83	0	83	1%	271	0	271.00	86%	19.40	0	19.40	12.53	10.38	82.81%			
			Sub-total	8929	0	8929	100%	315	0	265.24	100%	257.89	0	257.89	100%	179.73	175.34	97.55%		
			Residential	7087	0	7087	79%	24	0	24	8%	6.33	0	6.33	2%	4.57	4.50	98.48%		
76	Total			Agricultural	0	0	0	0%	0	0	0	0%	0.00	0	0.00	0%	0.00	0.00	0.00%	
				Commercial/Industrial-LT	1461	0	1461	16%	9	0	9	3%	265.2354	3%	6.64	0	6.64	5.26	5.26	100.12%
				Commercial/Industrial-HT	298	0	298	3%	11	0	11	3%	225.52	8%	225.52	0	225.52	157.37	155.19	98.62%
				Others	83	0	83	1%	271	0	271	86%	19.40	0	19.40	0	19.40	12.53	10.38	82.81%
77	At company level				8929	0	8929	100%	315	0	315	100%	257.89	0	257.89	100%	179.73	175.34	97.55%	

** 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

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0	Please enter numeric value or 0
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Authorised Signatory and Seal

Amit Prakash
Amit Prakash

Signature:-

Name of Energy Manager:
Registration Number:

Samrat Kundu
Samrat Kundu
EA 23270

Name of Authorised Signatory:

Name of the DISCOM:
Full Address:

M/s India Power Corporation Ltd
Plot No.X1-2 & 3, Block - EP, Sector -V, Salt Lake City,Kolkata - 700091



Seal

Form-Input energy (Details of input energy & Infrastructure)			Period Period From		Remarks (Source of data)	
S.No	Parameters	1st April, 2023 - 30th June, 2023	265.24	0%	From DVC, WBSEDCCL, IEX / BI - lateral short term and WBSEDCCL of DPS 12 MW	
A.1	Input Energy purchased (MU)				There is no transmission line within the purview of IPCL. Further to it, IPCL's 132 kv electrical network is embedded in the distribution system. IPCL's distribution loss includes loss of 132 kv line and 220 kv substations	
A.2	Transmission loss (%)					
A.3	Transmission loss (MU)					
A.4	Energy sold outside the periphery (MU)					
A.5	Open access sale (MU)					
A.6	EHT sale					
A.7	Net input energy (received at DISCOM periphery or at distribution point) - (MU)					
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					
A.11	% of metering available at consumer end					
A.12	No of feeders at 66kv voltage level					
A.13	No of feeders at 33kv voltage level					
A.14	No of feeders at 11kv voltage level					
A.15	No of LT feeders level					
A.16	Line length (ckt. km) above 66kv voltage level					
A.17	Line length (ckt. km) at 33kv voltage level					
A.18	Line length (ckt. km) at 11kv voltage level					
A.19	Line length (km) at LT level					
A.20	Length of Aerial Bunched Cables					
A.21	Length of Underground Cables					
A.22	HT/LT ratio					

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 Status (Metered/ un-metered/ AMT/AMR)	Status of Meter (Functional/Non-functional)	Metering Date (Date of last actual meter reading/ communication)	Feeder Type (Agr/ Industrial/Mixed)	Period from...			Remarks (Source of data)	
												Meter S.No	CT/PT ratio	Import (MU)		Export (MU)
B.1	IPCL	IPCL	33 kv			DVC Point	LRS (DVC)	Metered			Agri/	M1 - SMU00548	37.96	0.00		Purchase Point wise data
B.2	IPCL	IPCL	33 kv			DVC Point	SRS (DVC)	Metered			Industrial/Mixed	M1 - SMU00230	11.61	0.00		Same as above.
B.3	IPCL	IPCL	33 kv			DVC Point	JKRS (DVC)	Metered			Industrial/Mixed	M1 - SMU00540	6.19	0.00		Same as above.
B.4	IPCL	IPCL	33 kv			DVC Point	DRS (DVC)	Metered			Industrial/Mixed	M1 - SMU01036	21.58	0.00		Same as above.
B.5	IPCL	IPCL	33 kv			WBSEDCCL	BKRS (WBSEDCCL) - Pandaveswar	Metered			Industrial/Mixed	WBBB2441	0.04	0.00		Same as above.
B.6	IPCL	IPCL	33 kv			WBSEDCCL	BKRS (WBSEDCCL) - DPL	Metered			Industrial/Mixed	SHS90457	0.74	0.00		Same as above.
B.7	IPCL	IPCL	33 kv			WBSEDCCL	Gopalpur	Metered			Industrial/Mixed	WHLD0058	11.58	0.00		Same as above.
B.8	IPCL	IPCL	33 kv			WBSEDCCL	Asansol	Metered			Industrial/Mixed	WEB18624	10.89	0.00		Same as above.
B.9	IPCL	IPCL	220 kv			JKRS 220 kv	JKRS 220 kv	Metered			Industrial/Mixed	IPCL0001, IPCL0002	147.89	0.00		Same as above.
B.10	IPCL	IPCL	11 kv			WBSEDCCL	Solar Power	Metered			Industrial/Mixed	APSS2606/APM659	0.08	0.00		Same as above.
B.11	IPCL	IPCL	11			DPS 12 MW	Net Generation of DPS 12 MW	Metered			Industrial/Mixed	921	16.68	0.00		Same as above.
B.13401																
B.13402																
Total (MU)												265.24	0.00	265.24		
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
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I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and Pro-format is accurate to the best of my knowledge 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 : Amit Prakash
M/s India Power Corporation Limited
Full Address: Plot No.XI-2 & 3, Block - EP, Sector -Y, Salt Lake City, Kolkata - 700091

Signature: 
Name of Energy Manager: Samrat Kundu
Registration Number: EA 23270

INDIA POWER CORPORATION LIMITED
Sector-V
Salt Lake City
Kolkata-700091
Plot No.-XI-2&3-Block-EP

Details of Input Energy Sources

Period Period From 1st April, 2023 - 30th June , 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	Station	12 MW	Solid (Coal)	NA	Self	NA	11kV	Data
2	DVC	Radial	Mixed	PPA	Radial	AS per CERC	33kV	Bills
3	WBSEDCL	Radial	Mixed	PPA	Radial	AS per WBERC	33kV/220kV	Bills
4	SECI	100 MW	Solar - W Hydrid	PPA	Grid	Waived	220kV	Bills
5	Power Exchange	Open	Mixed	Contract	Grid	AS par CERC	220kV	Bills

Authorised Signatory and Seal

Amit Prakash

Name of Authorised Signatory : Amit Prakash

Name of the DISCOM: M/s India Power Corporation Limited

Full Address:- Plot No.X1-2 & 3, Block - EP, Sector -V, Salt Lake City,Kolkata - 700091

Seal

Signature:-

Name of EM*: Samrat Kundu

Registration Number EA 23270



Consumer Category-wise Subsidy Billed/Received/Due for 2022-23 (1st April, 2023 - 30th June, 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.13)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.		
	Metered	Un-metered	Metered (out of col.2)	Un-metered (out of col.3)	Metered Energy	Un-metered Energy	Metered Energy	Un-metered Energy					
	(in Million kWh)		(in Million kWh)		(in Rs/kwh)		(in Rs. Cr.)		(in Rs. Cr.)	(in Rs. Cr.)	(in Rs. Cr.)		
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		0			#VALUE!	#VALUE!		0.00		0.00			
Agriculture		0			0	#DIV/0!		0.00		0.00			
Commercial/Industrial - LT		0			0	#DIV/0!		0.00		0.00			
Commercial/Industrial - HT		0			0	#DIV/0!		0.00		0.00			
Other (specify) ?		0			0	#DIV/0!		0.00		0.00			
Total	0	0	0	0	0	#VALUE!		0.00		0.00		0.00	0.00

Notes :
 1. Full subsidy (including meter rent) has been provided by the State Government vide memo no. 53-POW-13012(12)/2/2018-SECTION (POWER) dated 17 March 2020 to the Lifeline Domestic consumers with a connected load upto 0.3 KW and having monthly consumption upto 25 units.

2. Others include LT Specified Institution (Municipal or Non-Municipal), Government School, Government aided School or Government Sponsored School, LT/HT Public Water Works and Sewerage, Pumping Station under Local Authority, HT Cold Storage or Dairy with chilling plant, HT Public Utility, HT Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises, HT Construction Power Supply, LT/HT Private Educational Institutions and Hospitals, HT Sports Complex and Auditorium run by Govt. / local bodies for cultural affairs, Public Bodies (Municipal or Non-Municipal), Street Lighting, LT/HT Short-term Supply and sale to other licensees .



July

B. Embedded Generation in DISCOM Area

S. No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station (Generation Based Solid/Liquid/Gas/Renewable/Others)	Type of Contract	Type of Grid	Voltage Level (kV)	Circle Load (MW)	Received at Circle (kV)	Received at Circle (In MU)	Division Level Load (MW)	Received at Division Level (kV)	Received at Division Level (In MW)	Sub-Division Level Load (MW)	Received at Sub-Division Level (kV)	Received at Sub-Division Level (In MU)	Remarks (Source of Data)
1	Dishergarh Power Station	12	Solid (Coal)	NA	Self	11	12.3	33	16.676							SAP



