

## Energy Accounting Report for Quarter - 2

### General Information

<b>1</b>	<b>Name of the DISCOM</b>	India Power Corporation Limited		
<b>2</b>	<b>i) Year of Establishment</b>	1919		
	<b>ii) Government/Public/Private</b>	Private Limited		
<b>3</b>	<b>DISCOM's Contact details &amp; Address</b>			
<b>i</b>	City/Town/Village	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
<b>ii</b>	District	North 24 Parganas		
<b>iii</b>	State	West Bengal	Pin	700091
<b>iv</b>	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
<b>4</b>	<b>Registered Office</b>			
<b>i</b>	Company's Chief Executive Name	Raghav Raj Kanoria		
<b>ii</b>	Designation	Managing Director (Distribution)		
<b>iii</b>	Address	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
<b>iv</b>	City/Town/Village	Salt Lake City	P.O.	Bidhan Nagar
<b>v</b>	District	North 24 Parganas		
<b>vi</b>	State	West Bengal	Pin	700091
<b>vii</b>	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
<b>5</b>	<b>Nodal Officer Details*</b>			
<b>i</b>	Nodal Officer Name (Designated at DISCOM's)	Amit Prakash		
<b>ii</b>	Designation	Vice President		
<b>iii</b>	Address	Plot No. X 1 - 2 & 3, Block EP, Sector V, Salt Lake City, Kolkata		
<b>iv</b>	City/Town/Village	Salt Lake City	P.O.	Bidhan Nagar
<b>v</b>	District	North 24 Parganas		
<b>vi</b>	State	West Bengal	Pin	700091
<b>vii</b>	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
<b>6</b>	<b>Energy Manager Details*</b>			
<b>i</b>	Name	Samrat Kundu		
<b>ii</b>	Designation	Energy Manager	Whether EA or EM	EM
<b>iii</b>	EA/EM Registration No.	EA 23270		
<b>iv</b>	Telephone	(033) 6609 4300	Fax	(033) 2357 2452
<b>v</b>	Mobile	9754950535	E-mail ID	<a href="mailto:samrat.kundu@indiapower.com">samrat.kundu@indiapower.com</a>
<b>7</b>	<b>Period of Information</b>			
	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 245.01
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded) Million kwh 245.01
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)) Million kwh 238.78
(b)	Transmission and Distribution (T&D) loss Details Million kwh 6.24 % 2.54%
(c)	Collection Efficiency % 96.31%
	Aggregate Technical & Commercial Loss % 6.14%

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

*Amrit Prasad*  
Name of Authorised Signatory:

Signature:-

Name of AEA\*:

Samrat Kundu

Registration Number:

EA 23270

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



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	555			
vi	Number of consumers	9212			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers			12	1210
ii	Number of consumers with 'smart' meters				357
iii	Number of consumers with 'smart prepaid' meters				1868
iv	Number of consumers with 'AMR' meters	2	15	299	304
v	Number of consumers with 'non-smart prepaid' meters				5145
vi	Number of unmetered consumers				0
vii	Number of total consumers	2	15	311	8884
b.i.	Number of conventionally metered Distribution Transformers				
ii	Number of DTs with communicable meters			162	
iii	Number of unmetered DTs			393	
iv	Number of total Transformers	0	0	555	0
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
	<b>Total Line Length</b>	<b>43.80</b>	<b>288.04</b>	<b>912.45</b>	<b>251.17</b>
3	Voltage levels	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	63.47	Includes input energy for franchisees	Contract, Bills
		Medium Conventional			
		Short Term Conventional	0.00		Exchange Bills
		Banking			Contract, SLDC Bills
		Long-Term Renewable energy	94.34		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	
		Power at state transmission boundary	157.81		
ii	33kV	Long-Term Conventional	80.18		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	80.18		
iv	33 kV	Renewable Energy Procurement			Contract, Bills
		Small capacity conventional/ biomass/ hydro plants Procurement			
v	11 kV	Captive, open access input	6.97		Exchange Bills
		Renewable Energy Procurement	0.05		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			
viii		Energy Embedded within DISCOM wires network	7.017		
		Total Energy Available/ Input	245.01		
4	Voltage level	Energy Sales Particulars	MU	Reference	
i	LT Level	DISCOM' consumers	12.81	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	12.81		
		Quantum of LT level losses	0.87		
		Energy input at LT level	13.680		
ii	11 kV Level	DISCOM' consumers	86.567	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	86.57		
		Quantum of Losses at 11 kV	2.82		
		Energy input at 11 kV level	89.38		
iii	33 kV Level	DISCOM' consumers	87.48	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	87.48		
		Quantum of Losses at 33 kV	1.97		
		Energy input at 33kV Level	89.46		
iv	> 33 kV	DISCOM' consumers	51.92	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	52.490		
		Sales at 66kV and above (EHV)	51.92		
		Total Energy Requirement	245.01		
		Total Energy Sales	238.78	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	13.68	12.81	0.87	6.34%
ii	11 Kv	89.38	86.57	2.82	3.15%
iii	33 kv	89.46	87.48	1.97	2.21%
iv	> 33 kv	52.49	51.92	0.57	1.09%
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	6.23
D loss	6.23
T&D loss (%)	2.54%
D loss (%)	2.54%

Name of Authorised  
Signatory : Amit Prakash

*Amit Prakash* *Amr*  
Signature:-

Name of Energy Manager\*: Samrat Kundu

Registration Number: EA 23270



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

S.No	Name of circle	Circle code	Name of Division	Consumer category	Consumer profile				Energy parameters				Losses				Commercial Parameter					
					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	Collected Amount in Rs. Crore	Collection Efficiency	AT & C loss (%)
1	Asansol	ASN	ASN	Residential	7339	0	7339	80%	24	0	24.00	8%	6.65	0	6.65	3%	4.10	4.06	98.89%			
				Agricultural	0	0	0	0%	0	0	0.00	0%	0.00	0%	0.00	0	0.00	0.00	0.00%			
				Commercial/Industrial-LT	1493	0	1493	16%	9	0	9.00	3%	6.35	0	6.35	3%	5.14	5.14	100.05%			
				Commercial/Industrial-HT	295	0	295	3%	11	0	11.00	3%	208.30	0	208.30	87%	136.83	135.22	98.83%			
				Others	85	0	85	1%	271	0	271.00	86%	17.48	0	17.48	7%	12.05	7.85	65.23%			
				Sub-total	9212	0	9212	100%	315	0	315	100%	238.78	0	238.78	100%	158.12	152.29	96.31%	6.14%		
76				Total	7339	0	7339	80%	24	0	24	8%	6.65	0	6.65	3%	4.10	4.06	98.89%			
				Agricultural	0	0	0	0%	0	0	0	0%	0.00	0	0.00	0%	0.00	0.00	0.00%			
				Commercial/Industrial-LT	1493	0	1493	16%	9	0	9	3%	6.35	0	6.35	3%	5.14	5.14	100.05%			
				Commercial/Industrial-HT	295	0	295	3%	11	0	11	3%	208.30	0	208.30	87%	136.83	135.22	98.83%			
				Others	85	0	85	1%	271	0	271	86%	17.48	0	17.48	7%	12.05	7.85	65.23%			
77				At company level	9212	0	9212	100%	315	0	315	100%	238.78	0	238.78	100%	158.12	152.29	96.31%	6.14%		

\*\* 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
	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 other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal  
 Name of Authorised Signatory: *Anil Prakash*  
 Name of the DISCOM: M/s India Power Corporation Ltd  
 Full Address: Plot No.XI.2 & 3, Block - EP, Sector -V, Salt Lake City, Kolkata - 700091

Signature:- *[Signature]*  
 Name of Energy Manager: Samrat Kundu  
 Registration Number: EA 23270



Seal

Form-Input energy (Details of input energy & infrastructure)			
A. Summary of energy input & infrastructure		Period from...	Remarks (Source of data)
S.No	Parameters	1st July 2023 - 30th September 2023	
A.1	Input Energy purchased (MU)	245.01	From DVC, WBSEDCL, IX / Bi - Internal short term and WBSEDCL of DPS 12 MW
A.2	Transmission loss (%)	0%	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.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	EIT sale	0.00	
A.7	Net input energy / received at DISCOM periphery or at distribution point - (MU)	245.01	
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	70.8%	
A.11	% of metering available at consumer end	100%	
A.12	No of feeders at 66kV voltage level	2	
A.13	No of feeders at 33kV voltage level	133	
A.14	No of feeders at 11kV voltage level	133	
A.15	No of LT feeders level	223	
A.16	Line length (ckt. km) above 66kV voltage level	43.80	
A.17	Line length (ckt. km) at 33kV voltage level	285.04	
A.18	Line length (ckt. km) at 11kV voltage level	912.45	
A.19	Line length (km) at LT level	251.17	
A.20	Length of Aerial Bunched Cables		
A.21	Length of Underground Cables		
A.22	HT/LT ratio	11.42:01	

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 Metering Status (Metered/ unmetered/ AMI/AMR)	Feeder Type (Agri/ Industrial/Mixed)	Period from...to...			Remarks (Source of data)	
										Status of Meter (Functional/Non-functional)	Metering Date (Date of last actual meter reading/ communication)	Meter S.No		CT/PT ratio
B.1	IPCL	IPCL	33 kV			DVC Point	LRS (DVC)	Metered		M1 - SMU00548		0.00		Purchase Point wise data
B.2	IPCL	IPCL	33 kV			DVC Point	SRS (DVC)	Metered		M1 - SMU00230		0.00		Same as above.
B.3	IPCL	IPCL	33 kV			DVC Point	JRS (DVC)	Metered		M1 - SMU00540		0.00		Same as above.
B.4	IPCL	IPCL	33 kV			DVC Point	DRS (DVC)	Metered		M1 - SMU01036		0.00		Same as above.
B.5	IPCL	IPCL	33 kV			WBSEDCL	BKRS (WBSEDCL) - Pandaveswar	Metered		WB82441		0.00		Same as above.
B.6	IPCL	IPCL	33 kV			WBSEDCL	BKRS (WBSEDCL) - DPL	Metered		SH580457		0.00		Same as above.
B.7	IPCL	IPCL	33 kV			WBSEDCL	Gopalpur	Metered		WH1D058		0.00		Same as above.
B.8	IPCL	IPCL	33 kV			WBSEDCL	Asansol	Metered		WF818624		0.00		Same as above.
B.9	IPCL	IPCL	220 kV			JKRS 220 kV		Metered		IPCL0001, IPCL0002		0.00		Same as above.
B.10	IPCL	IPCL	11 kV			WBSEDCL	Solar Power	Metered		AP552606/APW659		0.00		Same as above.
B.11	IPCL	IPCL	11			DPS 12 MW	Net Generation of DPS 12 MW	Metered		921		0.00		Same as above.
B.13401	Total (MU)										245.01	0.00	245.01	
B.13402	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
	Formula protected

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Authorised Signatory and Seal  
 Name of Authorised Signatory : **Anant 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**



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

## Details of Input Energy Sources

Period From 1st July 2023 - 30th September 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/Rene wable ( 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 Hybrid	PPA	Grid	Waived	220kV	Bills
5	Power Exchange	Open	Mixed	Contract	Grid	AS per 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







**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	6.970			NA				SAP

