



जवाहरलाल नेहरु पत्तन प्राधिकरण JAWAHARLAL NEHRU PORT AUTHORITY

ISO 9001 : 2015
ISO 14001 : 2015
ISO 27001 : 2013
ISO 45001 : 2018

पत्तन कार्यालय : प्रशासन भवन, शेवा, नवी मुंबई - 400707. Port Office : Administration Bldg., Sheva, Navi Mumbai - 400 707.
मुख्य सतर्कता अधिकारी Chief Vigilance Officer - (022) 2724 4151; मुख्य प्रबंधक (प्रशासन) एवं सचिव Chief Manager (Admn.) & Secy - (022) 2724 4021 ;
मुख्य प्रबंधक (यातायात) Chief Manager (Traffic) - (022) 2724 4191; मुख्य प्रबंधक (यां.एव.वि.अ.) Chief Manager (M&EE) - (022) 2724 4181 ;
मुख्य प्रबंधक (वित्त) Chief Manager (Fin) - (022) 2724 4081; मुख्य प्रबंधक (प.यो.वि.) Chief Manager (PP&D) - (022) 2724 4156
उप-संरक्षक Dy. Conservator (022) 2724 4171; हार्बर मास्टर (022) 2724 4173.
Website : www.jnport.gov.in • E-mail : info@jnport.gov.in

JNP/M&EE/BEE-EA-Q-II/2023-24/ 206

November 2, 2023

To,
Project Engineer
Bureau of Energy Efficiency,
4th Floor, Sewa Bhawan
R.K. Puram, Sector-1
New Delhi-110066

Sub.: Submission of Periodic Energy Accounting Report of Jawaharlal Nehru Port Authority– SEZ for the quarter ending September-2023 of FY 2023-24...reg.

Dear Sir,

The Periodic Energy Accounting report of Jawaharlal Nehru Port Authority – SEZ for the Quarter ending September-2023 of FY 2023-24 is enclosed herewith for your perusal.

Thanking you,

Yours faithfully,

(Anil T. Chopade)
Dy. Gen. Manager (US)

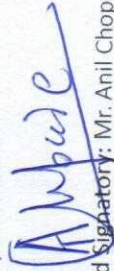
General Information

1	Name of the DISCOM	Jawaharlal Nehru Port Authority SEZ		
2	i) Year of Establishment	2014 (Notification of SEZ)		
	ii) Government/Public/Private	Government		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Savarkahar, Karal, Sonari and Jaskhar		
ii	District	Raigad		
iii	State	Maharashtra	Pin	400707
iv	Telephone	022 67814196	Fax	
4	Registered Office			
i	Company's Chief Executive Name	Mr Sanjay Sethi, IAS		
ii	Designation	Chairman		
iii	Address	Administrative Building, Sheva, Uran, Navi Mumbai		
iv	City/Town/Village	Navi Mumbai	P.O.	
v	District	Raigad		
vi	State	Maharashtra	Pin	400707
vii	Telephone	022 67814100	Fax	
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Mr. Anil T Chopade		
ii	Designation	Dy. General Manager (US)		
iii	Address	Administrative Building, Sheva, Uran, Navi Mumbai		
iv	City/Town/Village	Navi Mumbai	P.O.	JNPA
v	District	Raigad		
vi	State	Maharashtra	Pin	400707
vii	Telephone	022 67814196	Fax	
6	Energy Manager Details*			
i	Name	Mr. AMOL PRAVINSING PATIL		
ii	Designation	Energy Auditor	Whether EA or EM	EA
iii	EA/EM Registration No.	EA-31087/21		
iv	Telephone		Fax	
v	Mobile	9309752996	E-mail ID	amol.patil@encosym.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	01-07-2023 to 30-09-2023		

Performance Summary of Electricity Distribution Companies


Period of Information		01-07-2023 to 30-09-2023
1	Year of (FY) information including Date and Month (Start & End)	
2	Technical Details	
(a)	Energy Input Details	
(i)	Input Energy Purchase (From Generation Source)	Million kwh 1.81
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh 1.75
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh 1.60
(b)	Transmission and Distribution (T&D) loss Details	Million kwh 0.15 % 8.48%
(c)	Collection Efficiency	% 100%
	Aggregate Technical & Commercial Loss	% 9%

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: Mr. Anil Chopade
 Name of the DISCOM: Jawaharlal Nehru Port Trust SEZ
 Full Address:- Administrative Building, Sheva, Uran, Navi Mumbai 400707

Signature:-
 Name of Auditor*:
 Registration Number:


 ENCOSYM Solutions Pvt. Ltd.
 Mr. Amol P Patil
 EA-31087

Energy Manager


 अनिल टी. चोपडे / ANIL T. CHOPADE
 उप महा प्रबंधक (यं. एवं वि. अभि.)
 Deputy General Manager (M & E.E.)
 ज.ने.प. प्राधिकरण, शेवा, नवी मुंबई 400707
 J.N.P.A., Sheva, Navi Mumbai 400707.

Seal

Details of Division Wise Losses [See note below]**

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


Division Wise Losses

S.No	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 (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 (MU)	% of energy consumption	T&D loss (MU)		T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency
1	JNPT SEZ	JNPT SEZ	JNPT SEZ	Residential	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0	0	0.00%		
				Agricultural	0	0	0	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0	0.00%	
				Commercial/Industrial-LT	10	0	10	56%	0.4504	0	0.4504	7%	1.75	0.135162	0	0.135162	8%	0.148561	8%	0.128646	0.128647	100.00%	
				Commercial/Industrial-HT	6	0	6	33%	5.75039	0	5.75039	92%	1.447146	1.447146	0	1.447146	90%	1.285136	1.281054	99.86%	1.285136	1.281054	99.86%
				Others	2	0	2	11%	0.08	0	0.08	1%	1.752289	1.6037284	0	1.6037284	100%	0.1485606	8%	1.4333574	1.429286	99.72%	9%
	Sub-total			18	0	18	100%	6.28079	100%	1.752289	1.6037284	0	1.6037284	100%	0.1485606	8%	1.4333574	1.429286	99.72%	9%			
76			Total	10	0	10	56%	0.4504	0	0.4504	7%	1.752289	0.135162	0	0.135162	8%	0.148561	8%	1.28646	1.28647	100.00%		
77	At company level			6	0	6	33%	5.75039	92%	1.447146	1.447146	0	1.447146	90%	1.285136	1.281054	99.86%	1.285136	1.281054	99.86%			
				2	0	2	11%	0.08	1%	1.752289	1.6037284	0	1.6037284	100%	0.1485606	8%	1.4333574	1.429286	99.72%	9%			

** 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 them or any other person affected, /we undertake to indemnify such loss.


Color code	Parameter
	Please enter name of circle
	Please enter circle code
0	Please enter numeric value or 0
	Formula protected

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Authorised Signatory and Seal
 Name of Authorised Signatory: Mr. Anil Chopade


Name of the DISCOM: Jawaharlal Nehru Port Trust SEZ
 Full Address: Administrative Building, Sheva, Uran, Navi Mumbai 400707

Seal


अनिल टी. चोपडे / ANIL T. CHOPADE
 उपा महा प्रबंधक (यां. एवं वि. अभि.)
 Deputy General Manager (M & E.E.)
 ज.ने.प., प्राधिकरण, शेवा, नवी मुंबई 400707
 JNPA, Sheva, Navi Mumbai 400707.

Signature:-
 Name of Energy Auditor: Mr. Anmol P Patil
 Registration Number: EA-31087


For ENCOSYM Solutions Pvt. Ltd.

Energy Manager

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

A. Summary of energy input & Infrastructure

S.No	Parameters	Period From 01/07/2023 To 30/09/2023	Remarks (Source of data)
A.1	Input Energy purchased (MU)	1.809641975	
A.2	Transmission loss (%)	3%	
A.3	Transmission loss (MU)		
A.4	Energy sold outside the periphery(MU)	0.057552975	
A.5	Open access sale (MU)	0	
A.6	EHT sale	0	
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	0.00	
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	1	
A.14	No of feeders at 11KV voltage level	10	
A.15	No of LT feeders level	0	
A.16	Line length (ckt. km) at 66KV voltage level	0	
A.17	Line length (ckt. km) at 33KV voltage level	8.4	
A.18	Line length (ckt. km) at 11KV voltage level	44	
A.19	Line length (km) at LT level	50	LT consumer connected to DTC
A.20	Length of Aerial Bunched Cables		
A.21	Length of Underground Cables		
A.22	HT/LT ratio	52.4 1.048	

B. Meter reading of input energy at Injection points

S.No	Zone	Circle	Voltage Level (KV)	Division (KVA)	Sub-Division (KVA)	Feeder ID	Feeder Name	Feeder Metering Status (Metered/Unmetered/AME/AMR)	Status of Meter (Functional/Non-functional)	Date of last meter reading	Date of meter commissioning	Status of Communication		Period from...to...	Remarks (Source of data)			
												% data received through station directly to feeder AMR	Number of hours meter was unable to communicate			Import (MU)	Export (MU)	
B.1	NA	NA	220KV	NA	NA		220KV/Uran	AMR	Functional	daily		100%	0	ABT	1.75	0.00	MSLDC	
B.13401														1.75	0.00	1.75		
B.13402														1.75	0.00	1.75		
Total (MU)																		
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 A. Mr. Anil Chopade
 Name of the Jawahar Lal Nehru Port Trust
 Full Address Administrative Building, Sheva, Uran, Navi Mumbai 400707

Anil Chopade

अनिल डी. चोपडे / ANIL I. CHOPADE
 उप महा प्रबंधक (वा. एन वि. अभि.)
 Deputy General Manager (M & E.E.)
 ज.ने.प. प्राधिकरण, शेवा, नवी मुंबई 400707
 J.N.P.A., Sheva, Navi Mumbai 400707.

Seal

For ENCOSYM Solutions Pvt. Ltd.

Energy Manager

Signature:
 Name of Energy : Mr. Anand P Palli
 Registration Num: EA.31087

(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 Voltage)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic					
2	Commercial					
3	IP Sets	LT	440	8	0.055888578	Electricity Bills
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	11000	5	1.099086175	Electricity Bills
11	Industrial (Small)	LT	440	2	0.079273615	Electricity Bills
12	Industrial (Medium)					
13	HT Commercial	HT	11000	1	0.34806	Electricity Bills
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load					
18	Government offices and department	LT	440	2	0.02142	
		Total		18	1.60	

(Details of Feeder-wise losses)

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

Sl No.	Zone	Received at Circle (In MU)	Received at Division (In MU)	Received at Sub-division (In MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR/Other)	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	Final Net Export at Feeder Level (In MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	220/33kv JNPT SEZ		33Kv Stn Tr 1	Mixed	Multifunction panel meter	0.01385605	0.0510798		-2.68646293	18.09811462	0	The load of 11KV RMU 1 to 13 and 11KV RMU 13 to 1 is interchangeable so the loss to considered adding the two
2	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES1		11kv RMU 1 to 13	Mixed	Multifunction panel meter	0.0071079	1.0983528		-6.73796831	-4.06811495	0	
3	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES1		11kv RMU 13 to 1	Mixed	Multifunction panel meter	1.02191	0					
4	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES1		11kv RMU 14 to 19	Mixed	Multifunction panel meter	0	0.0064172		28.5525012	26.61478936	0	The load of 11KV RMU 19 to 14 and 11KV RMU 14 to 19 is interchangeable so the loss to considered adding the two
5	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES1		11kv RMU 19 to 14	Mixed	Multifunction panel meter	0.0089817	0				0	
6	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES1		11kv Station TR1	Mixed	Multifunction panel meter	0.045875	0.044158		3.742779292	15.13106748	0	
7	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES2		11kv RMU 20 to 27	Mixed	Multifunction panel meter	0	0.04097207		5.306961448	14.16455944	0	
8	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES2		11kv RMU 27 to 20	Mixed	Multifunction panel meter	0.0432683	0					The load of 11KV RMU 27 to 20 and 11KV RMU 20 to 27 is interchangeable so the loss to considered adding the two
9	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES2		11kv RMU 28 to 32	Mixed	Multifunction panel meter	0.34942	0.34806		0.389216416	9.782339814	0	The load of 11KV RMU 28 to 32 and 11KV RMU 32 to 28 is interchangeable so the loss to considered adding the two
10	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES2		11kv RMU 32 to 28	Mixed	Multifunction panel meter	0	0				0	
11	JNPT SEZ	JNPT SEZ	JNPT SEZ	JNPT SEZ	33/11kv ES2		11kv St Lgt TR2	Mixed	Multifunction panel meter	0.0496479	0.0146885		70.41466004	71.39154798	0	

Note: During lower load and due to CT limitation the readings are not available at the feeder input, so the cumulative consumption is not adequate to derive the T&D losses and AT & C Losses