

Form 1

Details of information regarding Total Energy Consumed and Specific Energy Consumption Per unit of Production

Section-A (General Information Details)		Description		
Sr No.	General Details			
1	Name of the Unit	Cochin Port Authority		
2	(i) Year of Establishment	1936		
	(ii) Registration No (As provided by BEE)	DIS0048KL		
3	Sector and Sub-Sector in which the Designated Consumer falls	Sector	Sub-Sector	
		Electricity Distribution Companies		
4. (i)	Complete address of DCs Unit location (including Chief Executive's name & designation) with mobile, telephone, fax nos. & e-mail.	AJITHKUMAR D ,SUPERITENDING ENGINEER (ELE),0484-2582320,0484-2666639,9446448101,		
(ii)	Registered Office address with telephone, fax nos. & e-mail	B. KASIVISWANATHAN IRS ME,Chairman,Cochin Port Authority,		
(iii)	Energy Manager's Name, designation, Registration No., Address, Mobile, Telephone, Fax nos. & e-mail	JAYALAKSHMY S,Executive Engineer(Ele),No,EA from AEA firm engaged ,0484-2382360,0484-2666639,9496450704,		
Section - B (Production and Energy Consumption Details)				
Name of Products		Unit	Previous Year	Current Year
		(1)	(2)	(3)
5.4	Electricity Distribution Companies notified as Designated Consumer			
(a)	Energy Input Details			
(i)	Input energy purchase	Million kwh	37.44	49.33
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	37.44	49.33
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	36.73	48.39
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	0.70	0.93
		%	0.02	0.02
6	Name of the Sector	Sub-Sector	Pro-forma in which the details to be furnished	
(i)	Aluminium	Refinery/Smelter	Sa ₁	
		Cold Rolling Sheet	Sa ₂	
(ii)	Cement	Cement	Sb	
(iii)	Chlor-Alkali	Chlor-Alkali	Sc	
(iv)	Fertilizer	Fertilizer	Sd	
(v)	Iron and Steel	Integrated Steel	Se ₁	
		Sponge Iron	Se ₂	
(vi)	Pulp and Paper	Pulp and Paper	Sf	
(vii)	Textile	Composite	Sg ₁	
		Fiber	Sg ₂	
		Spinning	Sg ₃	
		Processing	Sg ₄	
(viii)	Thermal Power Plant	Thermal Power Plant (Coal/Oil/Gas)	Sh ₁	
(ix)	Petroleum Refinery	Petroleum Refinery	Si	
(x)	Electricity Distribution Companies	Discoms	Sj	
(xi)	Railways	Zonal Railways	Sk ₁	
		Production	Sk ₂	
(xii)	Commercial Building	Hotels	Sl	
(xiii)	Petrochemicals	Petrochemicals	Sm	

I/we undertake that the information supplied in the Form 1 and pro- forma is accurate to the best of my knowledge and the data furnished in Form 1 has been adhered to the data given in the concerned pro forma.

Authorised Signatory and Seal

Name of Authorised Signatory Ajithkumar D

Name of the Designated Consumer: Cochin Port Authority

Full Address:- Administrative Building

W. Island, Cochin-682009

Seal



Signature:-

Name of Energy Manager:

Sunilkumar V K

Registration Number:

EA-3642

SUNIL KUMAR V.K
Certified Energy Auditor
Reg. No: EA 3642

Form- Input energy and Sj (General Information)				
Electricity Distribution Companies				
1	Name of the DISCOM	Cochin Port Authority		
2	i) Year of Establishment	1936		
	(ii) Registration No (As provided by BEE)	DIS0048KL		
3	Contact details & Address			
a	DISCOM's address	Cochin Port Authority, W.Island		
i	City/Town/Village	Cochin		
ii	District	Ernakulam		
iii	State	Kerala	Pin	682009
iv	Telephone	0484-2668566	Fax	0484-2668163
b	DISCOM's Chief Executive Name	AJITHKUMAR D		
i	Designation	SUPERINTENDING ENGINEER (ELE)		
ii	Telephone with STD Code	0484-2582320	Fax	0484-2666639
iii	Mobile	9446448101	E-mail	ajithkumar@cochinport.gov.in
4	Registered Office			
i	Company's Chief Executive Name	B. KASIVISWANATHAN IRS ME		
ii	Designation	Chairman		
iii	Address	Cochin Port Authority, W.Island		
iv	City/Town/Village	Cochin	P.O.	Willingdon Island
v	District	Ernakulam		
vi	State	Kerala	Pin	682009
vii	Telephone	0484-2582320	Fax	0484-2666639
5	Energy Manager Details			
i	Name	JAYALAKSHMY S		
ii	Designation	Executive Engineer(Ele)	Whether EA or EM	No
iii	EA/EM Registration No.	EA from AEA firm engaged		
iv	Telephone	0484-2382360	Fax	0484-2666639
v	Mobile	9496450704	E-mail ID	jayalakshmi@cochinport.gov.in

I/we undertake that the information supplied in the Form Input Energy and Sj is accurate to the best of my knowledge.

Authorised Signatory and Seal

Name of Authorised Signatory: Ajithkumar D

Name of the Designated Consumer: Cochin Port Authority

Full Address:- Administrative Building
W. Island, Cochin-682009



Signature:-

Name of Energy Manager:

Registration Number:

Sunilkumar V K

EA-3642

Signature of Accredited Energy Auditor

Name J. Nagesh Kumar

Date AEA : 0133

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

Sector-Electricity Distribution Companies

A. Summary of energy input & Infrastructure

S.No	Parameters	Baseline Year (2019-20)	Target Year (2024-25)	Remarks (Source of data)
A.1	Input Energy purchased (MU)	37.437	49.33	Purchase bill
A.2	Transmission loss (%)	0%	0%	
A.3	Transmission loss (MU)	0	0	
A.4	Energy sold outside the periphery(MU)	0	0	
A.5	Open access sale (MU)	0	0	
A.6	EHT sale	0	0	
A.7	Net input energy (received at DISCOM periphery or at distribution point,after	37.44	49.33	
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)			Not applicable
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	yes	yes	
A.10	% of metering available at DT	0%	0%	
A.11	% of metering available at consumer end	97%	100%	
A.12	No of feeders at 66kV voltage level	0	0	Not applicable
A.13	No of feeders at 33kV voltage level	0	0	Not applicable
A.14	No of feeders at 11kV voltage level	15	16	
A.15	No of LT feeders level	0	0	
A.16	Line length (ckt. km) at 66kV voltage level	0	0	Not applicable
A.17	Line length (ckt. km) at 33kV voltage level	0	0	Not applicable
A.18	Line length (ckt. km) at 11kV voltage level	80	85	
A.19	Line length (km) at LT level	100	105	
A.20	HT/LT ratio	0.80	0.81	

B. Meter reading of input energy injection points

S.No	Voltage level	Feeder ID	Feeder Name	Previous year(2018-19)				Current year(2018-19)			Remarks (Source of data)
				Meter S.No	CT/PT ratio	Import (MU)	Export (MU)	Meter S.No	Import (MU)	Export (MU)	
B.1	110					28.25	0.00	17078922	32.66	0.00	Purchase bill
B.2	11					9.18	0.00	22001331	9.98	0.00	Purchase bill
B.3	11					0.00	0.00	23013883	6.32	0.00	Purchase bill
B.4	0.415					0.00	0.00		0.37	0.00	Smartmeter/s software
B.1001	Total (MU)					37.44	0.00	Total (MU)	49.33	0.00	
B.1002	Net input energy at DISCOM periphery (MU)					37.44		Net input energy at DISCOM periphery (MU)	49.33		

Color code	Parameter
	Please enter voltage level or leave blank
	Please enter feeder id and name or leave
	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 the Form Input Energy is accurate to the best of my knowledge

Authorised Signatory and Seal

Signature of Accredited Energy Auditor

Signature:-

Name of Energy Manager:

Sunilkumar V K
EA-3642

Name J.Nagesh Kumar
AEA No: 133

(Signature of Chief Executive)

SUPERINTENDING ENGINEER (ELE.)
COCHIN PORT AUTHORITY



Form-Sj (Details of circle wise losses)

Sector-Electricity Distribution Companies

C. Circle wise losses

S.No	Name of circle	Circle code	Consumer profile								Energy parameters				Losses				
			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	Billed energy (MU)			% of energy consumption	T&D loss (MU)	T&D loss (%)		
												Input energy (MU)	Metered energy	Unmetered/assessment energy				Total energy	
1	CoPA		Residential	554	554	1108	61%	0	0	0	#DIV/0!	37.437	1.199	0	1.199	3%	0.703	2%	
			Agricultural	0	0	0	0%	0	0	0	#DIV/0!		0	0	0	0%			
			Commercial/Industrial-LT	522	0	522	29%	0	0	0	#DIV/0!		25.601	0	25.601	70%			
			Commercial/Industrial-HT	24	0	24	1%	0	0	0	#DIV/0!		5.947	0	5.947	16%			
			Others	126	38	164	9%	0	0	0	100%		37.437	36.734	0	36.734			100%
			Sub-total	1226	592	1818	100%	0	0	0	#DIV/0!		1.199	0	1.199	3%			
76	Total		Residential	554	554	1108	61%	0	0	0	#DIV/0!	37.437	0	0	0	0%	0.703	2%	
			Agricultural	0	0	0	0%	0	0	0	#DIV/0!		3.987	0	3.987	11%			
			Commercial/Industrial-LT	522	0	522	29%	0	0	0	#DIV/0!		25.601	0	25.601	70%			
			Commercial/Industrial-HT	24	0	24	1%	0	0	0	#DIV/0!		5.947	0	5.947	16%			
			Others	126	38	164	9%	0	0	0	100%		37.437	36.734	0	36.734			100%
			At company level	1226	592	1818	100%	0	0	0	#DIV/0!		1.199	0	1.199	3%			

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

I/we undertake that the information supplied in the Form Sj is accurate to the best of my knowledge.

Authorised Signatory and Seal

Name of Authorised Signatory: Ajithkumar D
 Name of the Designated Consumer: Cochin Port Authority
 Full Address:- Administrative Building
 W. Island, Cochin-682009

(Signature)
SUPERINTENDING ENGINEER (ELE)
COCHIN PORT AUTHORITY
 26/6

Seal



Signature:-
 Name of Energy Manager: Sunilkumar V K
 Registration Number: EA-3642

Target year (2024-25)															
Consumer category	Consumer profile								Energy parameters					Losses	
	No of connection (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Billed energy (MU)				% of energy consumption	T&D loss (MU)	T&D loss (%)
									Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy			
Residential	392	0	392	32%	0	0	0	#DIV/0!	49.33	1	0	0.920892	2%	0.93237	2%
Agricultural	0	0	0	0%	0	0	#DIV/0!	0		0	0	0%			
Commercial/Industrial-LT	564	0	564	46%	0	0	#DIV/0!	5		0	5.39903	11%			
Commercial/Industrial-HT	31	0	31	3%	0	0	#DIV/0!	36		0	36.04483	74%			
Others	245	0	245	20%	0	0	#DIV/0!	6		0	6.029969	12%			
	1232	0	1232	100%	0.00	0.00	0.00	100%	49.32709	48.39472	0	48.39472	100%	0.93237	2%
Residential	392	0	392	32%	0	0	0	#DIV/0!	49.32709	0.920892	0	0.920892	2%	0.93237	1.89%
Agricultural	0	0	0	0%	0	0	#DIV/0!	0		0	0	0%			
Commercial/Industrial-LT	564	0	564	46%	0	0	#DIV/0!	5.39903		0	5.39903	11%			
Commercial/Industrial-HT	31	0	31	3%	0	0	#DIV/0!	36.04483		0	36.04483	74%			
Others	245	0	245	20%	0	0	#DIV/0!	6.029969		0	6.029969	12%			
	1232	0	1232	100%	0	0	0	100%	49.32709	48.39472	0	48.39472	100%	0.93237	1.89%

Signature of Energy Manager
Name Sunilkumar V K
Date:

Signature of Accredited Energy Auditor
Name J. Nagesh Kumar
Date: AEA 0133

(Signature of Chief Executive)

Organisation seal

SUPERINTENDING ENGINEER (E.L.E.)
COCHIN PORT AUTHORITY

