



Webinar on Perform, Achieve & Trade Scheme

**Basic Obligations of the State Designated Agencies (SDAs)
under the PAT scheme**



PAT Scheme - Cycles



Sector	PAT 1	PAT II	PAT III	PAT IV	PAT V	PAT VI	Grand Total
Aluminium	10	2	1		1		14
C. Buildings (Hotels)				37	31	64	132
Cement	85	27	14	1	12	37	176
Chlor Alkali	22	3		2	1		28
DISCOM		44					44
Fertilizer	29	8					37
Iron and Steel	67	9	29	35	23	5	168
Petrochemical				8			8
Petroleum Refinery		18				2	20
Pulp and Paper	31	4	1	2	8	2	48
Railways		22					22
Textile	90	14	34	7	16	7	168
Thermal Power Plant	144	22	37	17	17		237
Grand Total	478	173	116	109	109	117	1102



Threshold for Notification of Designated Consumers (DCs)

Sectors	Minimum Annual Energy Consumption [Threshold] in Metric Tonne of Oil Equivalent (toe)	Reference Notifications
Aluminium	7500	S.O. 394 (E) dated 12 th March 2007
Chlor-Alkali	12000	
Fertilizer	30000	
Textile	3000	
Thermal Power Plant	30000	
Cement	30000	
Cement Grinding Units	10000	S.O. 2147(E) dated 17 th June 2020
Iron & Steel	20000	S.O. 394 (E) dated 12 th March 2007 amended vide S.O.968(E) dated 22 nd February 2019
Paper & Pulp	20000	
Petroleum Refinery	90000	S.O. 394 (E) dated 12 th March 2007 amended vide S.O. 3542 (E) dated 29 th December 2015 (Annexure 4B)
Electricity Distribution Companies (DISCOMs)*	86000	
Railways#		S.O. 394 (E) dated 12 th March 2007 amended vide S.O. 3542 (E) dated 29 th December 2015 (Annexure 4B), amended vide S.O. 2022(E) dated 8th June, 2016 and S.O. 2147(E) dated 17 th June 2020
(a) All Zonal Railways (Traction)	70000	
(b) Workshops	750	
Petrochemical (Gas Crackers and Naphtha Crackers)	100000	S.O. 3600 (E) dated 15 th November 2017 (Annexure 4D)
Hotels (under Commercial Buildings or Establishments)	500	S.O.1388 (E) dated 2 nd May 2017 (Annexure 4C) amended vide S.O.968(E) dated 22 nd February 2019
Airports (under Commercial Buildings or Establishments)	500	S.O. 2147(E) dated 17 th June 2020

• Energy consumption of DISCOMs shall be considered equivalent to the total of Aggregate Technical & Commercial (AT&C) losses, which is equivalent to 1000 million kWh



DCs under PAT Scheme



State	PAT 1	PAT II	PAT III	PAT IV	PAT V	PAT VI	Grand Total
Andhra Pradesh	24	10	4	5	10	4	57
Assam	7	4		3		3	17
Bihar	3	4	1		1	1	10
Chhattisgarh	38	6	13	11	13	1	82
Delhi	4	3	1	10	3	6	27
Goa	4	1		3	5	5	18
Gujarat	52	18	13	7	15	7	112
Haryana	7	6	1	3		7	24
Himachal Pradesh	9	5				1	15
Jammu & Kashmir		1					1
Jharkhand	11	3	3	5		2	24
Karnataka	17	10	4	10	5	14	60
Kerala	7	2			3	4	16
Madhya Pradesh	23	9	8	4	6	1	51



DCs under PAT Scheme



State	PAT 1	PAT II	PAT III	PAT IV	PAT V	PAT VI	Grand Total
Maharashtra	45	12	8	15	9	10	99
Meghalaya	2	1	3	1	1	1	9
Odisha	24	10	18	3	10	2	67
Pondicherry	2						2
Punjab	21	11	4	2		2	40
Rajasthan	55	11	4	2	6	5	83
Tamil Nadu	38	11	19	8	7	6	89
Telangana	10	7	5	3	4	6	35
Tripura	3			1	1		5
Uttar Pradesh	25	20	2	2	6	11	66
Uttarakhand	1	1	1		1	3	7
West Bengal	16	7	4	11	3	13	54
Dadra and Nagar Haveli						2	2
Grand Total	448	173	116	109	109	117	1072



Timelines



Activity	Time Line	Description	Tentative Dates for PAT Cycle II	Activity by	Where
Action plan submission	3 Months	Within 3 month from Notification	30 June 2020	DC	SDA/BEE
Form 1, 3 and Pro-forma submission	3 Months	Yearly submission of Form 1 within 3 months from last financial year	30 June (Every Year)	DC	SDA/BEE
Form A, Form B along with other documents	4 Months	Within 5 month from conclusion of target year for all sectors except Railways and DISCOMs. 6 months for Railways & DISCOMs	By End of July after target year	DC	SDA/BEE
Submission of comments on Form A, Form B from SDA	45 Days	Within 45 days of the last date of submission of Form A	By 15 th Oct,	SDA	BEE
Recommendation of ESCerts to MoP, GOI	Two Months	Within two months from the date of the receipt of the comments from SDA	By 15 th Dec,	BEE	MoP
Issuance of ESCerts by MoP	45 Days	Within 45 days from the date of receipt of recommendation of Escerts from BEE	End of Jan,	MoP	
Form D Submission	Eight Month	Within 8 months from the last date of submission of form A	End of March,	DC	SDA/BEE



Responsibility of the SDA



- Updated list of DCs
- Updated Contact Details of Plant Head and Plant Energy manager
- Identification of Potential DC's in existing sectors as well as new Sector across the state for forthcoming Cycles of PAT
- Share the details of Identified Potential DCs
- Reminders on appointment of Energy Manager
- Keep record of submission of Form 1, 2, 3
- Show Cause Notice to DCs who have not submitted Form 1, Form 2 and Form 3
- Maintain a list of DCs who have done their M&V or M&V is under Progress
- Reminder and follow up with respective DCs to conduct M&V and submit the performance Assessment Documents by extended date for Old Sector as well as for new DCs if any.
- To cross check the GCV and Proximate analysis of coal from an NABL accredited external lab and the internal lab of the DC to ensure proper calibration of the DC's internal lab.



Responsibility of the SDA- Post M&V



- SDA must ensure the submission of PAD documents within the specified timeline
- Ensure the engaged EmAEA with DCs are empanelled with Bureau.
- Ensure the engagement of EmAEA is as per Rule 9 of PAT Rule, 2012 and along with undertaking from the M&V team
- Ensure each DCs have an energy manager in their plant (Energy Manager Certificate must be enclosed in M&V report)
- Ensure minutes of meeting with signature of all attendees is enclosed with M&V report
- Ensure all the Documents enclosed with M&V reports are duly signed and stamped with the relevant authority.
- Cross check the availability of implemented energy saving measures in the M&V Report, form 3 and Form A.
- Ensure the correctness of data filled in Proforma are as per instruction sheet enclosed with sector specific proforma and from the authentic source of Documents
- Provide comments on form A , B and M&V report **within 45 Days from the last date of completion of M&V.**
- Normalizations are only due to external factors. Check for the applicable normalizations.



Thank You