

15 -ാം കേരള നിയമസഭ

16 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 760

28-01-2026 - ൽ മറുപടിയ്ക്ക്

അനെർട്ട് ഗവേണിംഗ് ബോഡി യോഗ തീരുമാനങ്ങൾ

ചോദ്യം		ഉത്തരം	
ശ്രീ. എം. വിൻസെന്റ്		ശ്രീ . കെ . കൃഷ്ണൻകുട്ടി (വൈദ്യുതി വകുപ്പ് മന്ത്രി)	
(എ)	2023 ജൂലൈ 19-ന് നടന്ന അനെർട്ട് ഗവേണിംഗ് ബോഡിയുടെ പതിനാറാം യോഗത്തിന്റെ തീരുമാനങ്ങൾ സംബന്ധിച്ചും തീരുമാനങ്ങൾ നടപ്പിലാക്കുന്നതിന് ഓരോന്നിലും സ്വീകരിച്ച തുടർ നടപടികളെ സംബന്ധിച്ചുമുള്ള വിശദാംശങ്ങൾ വ്യക്തമാക്കാമോ;	(എ)	2023 ജൂലൈ 19-ന് നടന്ന അനെർട്ട് ഗവേണിംഗ് ബോഡിയുടെ 16-ാമത് യോഗത്തിന്റെ തീരുമാനങ്ങളും, ഇവ നടപ്പിലാക്കുന്നതിന് ഓരോന്നിലും സ്വീകരിച്ച തുടർ നടപടികളുടെ വിശദാംശങ്ങളും അനുബന്ധം - 1 ആയി ഇതോടൊപ്പം ചേർക്കുന്നു.
(ബി)	അനെർട്ട് ഗവേണിംഗ് ബോഡിയുടെ പതിനേഴാം യോഗത്തിന്റെ അജണ്ടയുടെയും തീരുമാനങ്ങളുടെയും പകർപ്പ് ലഭ്യമാക്കാമോ; തീരുമാനങ്ങൾ നടപ്പിലാക്കുന്നതിന് ഓരോന്നിലും സ്വീകരിച്ച തുടർ നടപടികളെ സംബന്ധിച്ചുമുള്ള വിശദാംശം വ്യക്തമാക്കാമോ?	(ബി)	അനെർട്ട് ഗവേണിംഗ് ബോഡിയുടെ 17-ാമത് യോഗത്തിന്റെ അജണ്ടയുടെ പകർപ്പ് അനുബന്ധം - 2 ആയി ചേർക്കുന്നു. പ്രസ്തുത യോഗത്തിന്റെ മിനിറ്റ്സിന് അംഗീകാരം നൽകുന്നതിനുള്ള തുടർനടപടികൾ സ്വീകരിച്ചു വരുന്നു.

സെക്ഷൻ ഓഫീസർ

Minutes of the 16th Meeting of the Governing Body of ANERT

Venue : Chamber of Hon'ble Minister for Electricity, Govt.
Secretariat, Thiruvananthapuram

Date and Time : 19th July 2023, 12 .00 Noon

Participants,

1. Sri. K. Krishnankutty, Hon'ble Minister for Electricity and Chairman of GB
2. Sri. K.R. Jyothilal I. A. S, Additional Chief Secretary to Govt., Power Department and Vice- Chairman of GB
3. Dr. Rajan Khobragade, CMD, KSEBL
4. Sri. Vinod G, Chief Electrical Inspector (I/C), Electrical Inspectorate Department
5. Dr. R. Harikumar, Director, Energy Management Centre
6. Smt. Latha S, Additional Secretary, Finance (Expenditure) Department, Govt. Secretariat
7. Smt. Sheeja K.S, Joint Secretary to Govt., Local self Govt. Department, Govt. Secretariat
8. Dr. K. Anil Joy, Under Secretary to Govt, Planning and Economic Affairs Department, Govt. Secretariat
9. Dr. M. Jayaraju, Chairman, Institution of Engineers India, Kerala State Centre
10. Sri. V.N. Prasad, Chief Engineer (REES & SOURA), KSEBL
11. Dr. R. Sasikumar, Technical Expert, GB
12. Sri. Narendra Nath Veluri I.F.S , Chief Executive Officer, ANERT and Member Secretary of GB

The Governing Body meeting commenced at 12 Noon and was Chaired by Sri. K. Krishnankutty, Hon'ble Minister for Electricity. The Chairman welcomed the members. The following Agenda items were taken up for discussion and decisions taken are recorded against each item:

Item No.	Item and point for decision	Decision
16.01	Confirming the minutes of the 15 th meeting of the Governing Body of ANERT	Approved and placed on record
16.02	Action taken report of the 15 th meeting of the Governing Body	The CEO, ANERT presented the action taken on the decision of the GB. After discussion, the GB approved the report with a direction to update the Audit of Accounts of ANERT for the years 2020-21 onwards within a period of 6 months positively.
16.03	Chief Executive Officer's Report	The CEO presented the major programmes and achievements made during recent years. The GB approved the report and placed on record with

		<p>the following remarks.</p> <p>The Chairman directed to go for extended warranty for solar projects beyond five year period especially for projects beneficial to SC and tribal communities.</p> <p>The Vice -Chairman urged to include zero waste concept in solar PV projects. Analysis of power generation details of solar power plants installed in 450 Govt. Buildings needs to be done.</p> <p>The Chairman directed to conduct cost benefit analysis of e vehicles including the replacement cost of batteries.</p> <p>It may also be considered for setting up solar powered e vehicle charging stations in working places for operation during day time.</p> <p>Induction charging for e vehicles may also be explored.</p>
16.04	<p>Special Purpose Vehicle (SPV) for Renewable Energy Generation</p> <p>Whether ANERT can move forward with the proposal for creation of a Special Purpose Vehicle for Renewable Energy Generation</p>	<p>GB approved the proposal and recommended to Government for final decision</p>
16.05	<p>Whether audited statement of Accounts for the year 2019-20 be approved</p>	<p>GB approved the proposal with the following directions;</p> <p>A Chartered Accountant may be outsourced for the purpose of clearing all the pending issues related to yearly audit. Audit of Accounts should be updated and streamlined within six months.</p> <p>The income tax liability reported during 2019-20 to be cleared and the audit software to be made fully functional within three months and report the progress in the next Executive Committee.</p>

16.06	<p>Permission for meeting travel expenditure from own fund for ANERT's regular & project staff</p> <p>Whether GB could reconsider the proposal and CEO ANERT shall be authorised to meet travel expenses including Air Journey for ANERT staff including those working in projects.</p>	The G.B directed to proceed as per Govt. Rules
16.07	<p>Promotion of eligible and qualified employees</p> <p>Whether promotion of eligible and qualified candidates may be approved.</p>	The GB recommended the proposal and directed to put up specific proposal to Government for approval.
16.08	<p>Enhancement of Room Rent allowed in the T.A Rules of ANERT</p> <p>Whether reimbursement of room rent at the rates proposed be approved, subject to the production of receipt and by limiting the Daily Allowance to 2/3rd of the admissible amount.</p>	50% enhancement of the existing rates of room rent for various grades of employees is approved.
16.09	<p>Solarisation of Agricultural Water Pump of Non free Consumer</p> <p>Whether the action taken by CEO to solarise the non-free consumer (Kumaran K, Consumer number - 1168198007956) under the Puduserry Krishi Bhavan is ratified.</p>	Ratified. The Chairman has directed that any such cases in future for SC and ST beneficiaries shall be considered positively. The Chairman also directed to evolve a scheme on solar powered community micro irrigation system for the tribal land owners.
16.10	<p>Reimbursement of additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt Ltd for</p>	The GB directed to put up a comprehensive proposal to Govt. for consideration. The report should include amount of labour charge released to the local tribal people, the reasons for escalation of the cost, force majeure

	<p>the 50 kW Micro Grid system at Thazhe Thudukki Tribal Hamlet in Palakkad District.</p> <p>Whether GB consider the reimbursement of the additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt. Ltd. for the installation of 50 kW Micro Grid at Thazhe Thudukki Tribal Hamlet.</p>	<p>conditions etc.</p>
16.11	<p>Ratification of the action of Chief Executive Officer for the appointment of five candidates selected through Professional and Executive Employment Exchange</p>	<p>Ratification from Government is required. Put up detailed proposal to Government.</p>
16.12	<p>Appointing consultants for a PMU on Green Hydrogen in ANERT</p> <p>Whether ANERT may be authorised to select and appoint a consultant through a transparent EOI process to manage green hydrogen projects, with the expenditure met from the state plan funds allocated for green hydrogen projects.</p>	<p>The GB authorised CEO, ANERT to engage an experienced consultancy agency in the relevant field. If the consultancy charges exceed Rs.25 lakh, approval from Power Department will be required.</p>
16.13	<p>Reconstitution of GB and EC of ANERT</p> <p>The Executive Committee and Governing Body of ANERT may be reconstituted in such a way that total strength of GB and EC members are the same as in the MoA, by limiting the representation from KSEBL as 'The Chairman and Managing Director or the Chief Engineer, REES'.</p>	<p>GB recommended the proposal and directed to submit proposal to Govt. for approval.</p>

16.14	<p>Appointment of Prof. (Dr) P.V. Aravind as Honorary Advisor for Green Hydrogen Programme of ANERT</p> <p>Whether Prof. (Dr) P.V. Aravind, Professor and Chair of Energy Conversion, University of Groningen may be appointed as Honorary Advisor for green hydrogen programmes, by considering his vast experience in the relevant field.</p>	Approved
16.15	<p>Appointment of a Civil Engineer in the EV Charging Station Project</p> <p>Whether a Civil Engineer (Rtd.) may be engaged in ANERT HQ @monthly salary of Rs.50,000/- for next one year.</p>	GB recommended the proposal and directed to put up proposal to Govt. for approval.
16.16	<p>Ratification of the action of CEO for the re-appointment of the employees in the post of Computer Assistant, Telephone Attendant cum Data Entry Operator, Technical Assistant and Project Intern for a period of 89 days.</p>	GB recommended the action and directed to put up proposal to Govt. for ratification.
16.17	<p>Salary Hike for District Project Engineers Working on Contract Basis</p> <p>Whether salary increment may be sanctioned to 11 District Project Engineers as proposed.</p>	Approved
16.18	<p>Formation of Programme Management Unit (PMU) Jointly with ANERT and GEAPP</p> <p>The proposal for establishing a Programme Management</p>	GB recommended the proposal and decided to put up to Govt. MoU may be signed with GEAPP on getting approval from Govt.

	Unit (PMU) Jointly with ANERT and GEAPP for the specific programme implementation activities of ANERT be approved.	
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The meeting ended at 1.45 pm.

N-Wau

Chief Executive Officer
ANERT
(Member Secretary)

Additional Chief Secretary to Govt.
Power Department
(Vice-Chairman)

Minister for Electricity
(Chairman)

Item No: 16.12 - The proposal may
be submitted to Govt.
for approval as the
expenditure is to be
met from State plan funds.

Vaithi

A.S

Finance Department.

മെമ്പർ സെക്രട്ടറി
വൈദ്യുതി വകുപ്പ് മന്ത്രി
കേരള സർക്കാർ

K.R. JYOTHILAL IAS
PEN: 325167
Additional Chief Secretary
Dept. of General Administration,
Forest & Wildlife and Power
Govt. of Kerala, Thiruvananthapuram
Ph: 0471 2518669

ITEM No. GB. 17.02:

Action Taken Report of the 16th meeting of the Governing Body

Item No.	Item	Decision	Action taken
16.01	Confirming the minutes of the 15 th meeting of the Governing Body of ANERT	Approved and placed on record	No action required
16.02	Action taken report of the 15 th meeting of the Governing Body	The CEO, ANERT presented the action taken on the decision of the GB. After discussion, the GB approved the report with a direction to update the Audit of Accounts of ANERT for the years 2020-21 onwards within a period of 6 months positively.	Implemented.
16.03	Chief Executive Officer's Report	<p>The CEO presented the major programmes and achievements made during recent years. The GB approved the report and placed on record with the following remarks.</p> <p>The Chairman directed to go for extended warranty for solar projects beyond five-year period especially for projects beneficial to SC and tribal communities.</p> <p>The Vice -Chairman urged to include zero waste concept in solar PV projects.</p> <p>Analysis of power generation details of solar power plants installed in 450 Govt. Buildings needs to be done.</p> <p>The Chairman directed to conduct cost benefit analysis of e vehicles including the replacement cost of batteries.</p> <p>It may also be considered for setting up solar powered e vehicle charging stations in working places for operation during day time.</p> <p>Induction charging for e vehicles may also be explored.</p>	<p>Warranty for PM KUSUM power plants was enhanced to 7 years.</p> <p>Dashboard displays a total of 1,73,33,830 units of electricity generation from solar plants of capacity 1485 kWp till 8-6-2025.</p> <p>The cost benefit analysis of e cars including hatch back, SUV and MPV was done and report submitted to Power Department.</p> <p>Installed six solar powered EV charging stations in CUSAT Metro Station, Muttom Metro Station, Kerala Start Up Mission, Kalamassery, Kunnankulam Municipality, Shornur Metal Industries and Bekal Fort.</p> <p>With the technical support of OMI Foundation, it is planned to install a wireless charging station using induction charging in Water Metro</p>

Item No.	Item	Decision	Action taken
			Station, Kochi.
16.04	Special Purpose Vehicle (SPV) for Renewable Energy Generation Whether ANERT can move forward with the proposal for creation of a Special Purpose Vehicle for Renewable Energy Generation	GB approved the proposal and recommended to Government for final decision	Government had approved (vide G.O. (MS) No. 1/2025/Power dated 17.1.2025) the formation of a not-for-profit company under Section 8 of the Companies Act for implementing the Hydrogen Valley Innovation Cluster (HVIC) project of the DST, Govt of India and the registration process of the company 'Kerala HVIC Foundation' has been completed. This was with the approval of the Council of Ministers. This company also has mandate for implementing renewable energy projects for green hydrogen.
16.05	Whether audited statement of Accounts for the year 2019-20 be approved	GB approved the proposal with the following directions; A Chartered Accountant may be outsourced for the purpose of clearing all the pending issues related to yearly audit. Audit of Accounts should be updated and streamlined within six months. The income tax liability reported during 2019-20 to be cleared and the audit software to be made fully functional within three months and report the progress in the next Executive Committee.	Outsourced a Chartered Accountant, viz Certuz Business Consultants, through e tender process. Audit of accounts completed up to year 2023-24 Income tax related services are provided by the current Statutory Auditor, Arun Jithin and Associates, Thiruvananthapuram
16.06	Permission for meeting travel expenditure from own fund for ANERT's regular & project staff Whether GB could reconsider the proposal and CEO ANERT shall be	The G.B directed to proceed as per Govt. Rules	Implemented

Item No.	Item	Decision	Action taken
	authorised to meet travel expenses including Air Journey for ANERT staff including those working in projects.		
16.07	Promotion of eligible and qualified employees Whether promotion of eligible and qualified candidates may be approved.	The GB recommended the proposal and directed to put up specific proposal to Government for approval.	Proposal submitted to Govt. vide letter No. ANERT-ADM/314 /2023-OA1(HRM) dt: 26.9.2023 and based on Govt. letter No.PWR-PS2/325/2023-POWER dt:4.10.2023 granted promotion to two Joint Chief Tech. Managers to Addl. CTM
16.08	Enhancement of Room Rent allowed in the T.A Rules of ANERT Whether reimbursement of room rent at the rates proposed be approved, subject to the production of receipt and by limiting the Daily Allowance to 2/3 rd of the admissible amount.	50% enhancement of the existing rates of room rent for various grades of employees is approved.	Implemented
16.09	Solarisation of Agricultural Water Pump of Non free Consumer - Whether the action taken by CEO to solarise the non-free consumer (Kumaran K, Consumer number- 1168198007956) under the Puduserry Krishi Bhavan is ratified.	Ratified. The Chairman has directed that any such cases in future for SC and ST beneficiaries shall be considered positively. The Chairman also directed to evolve a scheme on solar powered community micro irrigation system for the tribal land owners.	A new scheme to be evolved

16.10	Reimbursement of additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt. Ltd. for the 50 kW Micro Grid system at Thazhe Thudukki Tribal Hamlet in Palakkad District. Whether GB consider the reimbursement of the additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt. Ltd. for the installation of 50 kW Micro Grid at Thazhe Thudukki Tribal Hamlet.	The GB directed to put up a comprehensive proposal to Govt. For consideration. The report should include amount of labour charge released to the local tribal people, the reasons for escalation of the cost, force majeure conditions etc.	Requested the details from the vendor for submitting proposal to Government. But not received any specific proof from the vendor. Hence no proposal submitted to Government.
16.11	Ratification of the action of Chief Executive Officer for the appointment of five candidates selected through Professional and Executive Employment Exchange.	Ratification from Government is required. Put up detailed proposal to Government.	Ratified by Government.
16.12	Appointing consultants for a PMU on Green Hydrogen in ANERT Whether ANERT may be authorised to select and appoint a consultant through a transparent EOI process to manage green hydrogen projects, with the expenditure met from the state plan funds allocated for green hydrogen project.	The GB authorised CEO, ANERT to engage an experienced consultancy agency in the relevant field. If the consultancy charges exceed Rs.25 lakh, approval from Power Department will be required. The proposal may be submitted to Govt. for approval as the expenditure is to be met from State plan funds.	The setting up of a PMU for green hydrogen was included in the proposal for Administrative Sanction of the Plan programmes of ANERT for 2023-24, 2024-25 and 2025-26. Govt. approval has been obtained for all these proposals. The proposal also includes provision for availing consultancy services. A major portion of the PMU expenses would be met from the HVIC funds of the DST, which has been awarded.

Item No.	Item	Decision	Action taken
16.13	Reconstitution of GB and EC of ANERT The Executive Committee and Governing Body of ANERT may be reconstituted in such a way that total strength of GB and EC members are the same as in the MoA, by limiting the representation from KSEBL as 'The Chairman and Managing Director or the Chief Engineer, REES'.	GB recommended the proposal and directed to submit proposal to Govt. for approval.	Based on ANERT's letter, Govt. issued GO(Rt) No.177/2024/POWER dt:24-09-2024 for the re-constitution of GB and EC of ANERT
16.14	Appointment of Prof. (Dr) P.V. Aravind as Honorary Advisor for Green Hydrogen Programme of ANERT Whether Prof. (Dr) P.V. Aravind, Professor and Chair of Energy Conversion, University of Groningen may be appointed as Honorary Advisor for green hydrogen programmes, by considering his vast experience in the relevant field.	Approved	Proceedings was issued vide A.O. No. 248/ 2023 /ANERT dated 14.11.2023 appointing Prof (Dr) Aravind PV as Honorary Adviser for Green Hydrogen Programme of ANERT. He is involved in various projects of ANERT in Green Hydrogen, especially the Centre of Excellence in the HVIC project and interaction with the Netherlands in various programmes
16.15	Appointment of a Civil Engineer in the EV Charging Station Project Whether a Civil Engineer (Rtd.) may be engaged in ANERT HQ @monthly salary of Rs.50,000/- for next one year.	GB recommended the proposal and directed to put up proposal to Govt. for approval.	Submitted proposal to Govt. for approval. 'Appointed a civil engineer considering the urgency of starting the construction work of charging stations. Otherwise, the beneficiary share of Rs.11 crore would have been lost if the work was not started in time.
16.16	Ratification of the action of CEO for the re-	GB recommended the action and directed to put up proposal to	Proposal submitted

	appointment of the Government employees in the post of Computer Assistant, Telephone Attendant cum Data Entry Operator, Technical Assistant and Project Intern for a period of 89 days.	for ratification.	Under consideration of Government.
16.17	Salary Hike for District Project Engineers Working on Contract Basis. Whether salary increment may be sanctioned to 11 District Project Engineers as proposed.	Approved	Salary of 11 District Project Engineers revised vide order A.O No.212/2023/ANERT dtd. 14.09.2023.
16.18	Formation of Programme Management Unit (PMU) Jointly with ANERT and GEAPP The proposal for establishing a Programme Management Unit (PMU) Jointly with ANERT and GEAPP for the specific programme implementation activities of ANERT be approved.	GB recommended the proposal and decided to put up to Govt. MoU may be signed with GEAPP on getting approval from Govt.	Under consideration of Government.

23/01/23

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Annexure-2

AGENDA GB 17

Agenda for the 17th meeting of the Governing Body of ANERT to be held at 12 Noon on 05/11/2025 at the Conference Hall of ANERT HQ, Thiruvananthapuram.

Item No.	Item	Page No.
GB.17.01	Minutes of the 16 th meeting of the Governing Body of ANERT	1-6
GB.17.02	Action Taken Report of the 16 th meeting of the Governing Body	7-12
GB.17.03	Chief Executive Officer's Report	13-41
GB.17.04	Empanelment of Agencies for implementing Green income Scheme for Households	42-43
GB.17.05	Statutory Auditor's Report for the years 2020-21, 2021-22, 2022-23 and 2023-24	44
GB.17.06	Restructuring Report of ANERT by CMD – Relaxation of CSIR Scientists' Recruitment and Assessment Promotion Rules 2001 – Opinion of Governing Body	45-47
GB.16.07	Any other item with the permission of the Chair	48

ITEM No. GB. 17.01: Minutes of the 16th Meeting of the Governing Body of ANERT

Venue : Chamber of Hon'ble Minister for Electricity, Govt. Secretariat, Thiruvananthapuram

Date and Time : 19th July 2023, 12 .00 Noon

Participants,

1. Sri. K. Krishnankutty, Hon'ble Minister for Electricity and Chairman of GB
2. Sri. K.R. Jyothilal I. A. S, Additional Chief Secretary to Govt., Power Department and Vice- Chairman of GB
3. Dr. Rajan Khobragade, CMD, KSEBL
4. Sri. Vinod G, Chief Electrical Inspector (I/C), Electrical Inspectorate Department
5. Dr. R. Harikumar, Director, Energy Management Centre
6. Smt. Latha S, Additional Secretary, Finance (Expenditure) Department, Govt. Secretariat
7. Smt. Sheeja K.S, Joint Secretary to Govt., Local self Govt. Department, Govt. Secretariat
8. Dr. K. Anil Joy, Under Secretary to Govt, Planning and Economic Affairs Department, Govt. Secretariat
9. Dr. M. Jayaraju, Chairman, Institution of Engineers India, Kerala State Centre
10. Sri. V.N. Prasad, Chief Engineer (REES & SOURA), KSEBL
11. Dr. R. Sasikumar, Technical Expert, GB
12. Sri. Narendra Nath Veluri I.F.S , Chief Executive Officer, ANERT and Member Secretary of GB

The Governing Body meeting commenced at 12 Noon and was Chaired by Sri. K. Krishnankutty, Hon'ble Minister for Electricity. The Chairman welcomed the members. The following Agenda items were taken up for discussion and decisions taken are recorded against each item:

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16.03	Chief Executive Officer's Report	The CEO presented the major programmes and achievements made during recent years. The GB approved

		<p>the report and placed on record with the following remarks.</p> <p>The Chairman directed to go for extended warranty for solar projects beyond five year period especially for projects beneficial to SC and tribal communities.</p> <p>The Vice -Chairman urged to include zero waste concept in solar PV projects.</p> <p>Analysis of power generation details of solar power plants installed in 450 Govt. Buildings needs to be done.</p> <p>The Chairman directed to conduct cost benefit analysis of e vehicles including the replacement cost of batteries.</p> <p>It may also be considered for setting up solar powered e vehicle charging stations in working places for operation during day time.</p> <p>Induction charging for e vehicles may also be explored.</p>
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16.06	<p>Permission for meeting travel expenditure from own fund for ANERT's regular & project staff</p>	<p>The G.B directed to proceed as per Govt. Rules</p>

	Whether GB could reconsider the proposal and CEO ANERT shall be authorised to meet travel expenses including Air Journey for ANERT staff including those working in projects.	
16.07	Promotion of eligible and qualified employees Whether promotion of eligible and qualified candidates may be approved.	The GB recommended the proposal and directed to put up specific proposal to Government for approval.
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16.09	Solarisation of Agricultural Water Pump of Non free Consumer Whether the action taken by CEO to solarise the non-free consumer (Kumaran K, Consumer number – 1168198007956) under the Puduserry Krishi Bhavan is ratified.	Ratified. The Chairman has directed that any such cases in future for SC and ST beneficiaries shall be considered positively. The Chairman also directed to evolve a scheme on solar powered community micro irrigation system for the tribal land owners.
16.10	Reimbursement of additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt Ltd for the 50 kW Micro Grid system at Thazhe Thudukki Tribal Hamlet in Palakkad District. Whether GB consider the reimbursement of the addi-	The GB directed to put up a comprehensive proposal to Govt. for consideration. The report should include amount of labour charge released to the local tribal people, the reasons for escalation of the cost, force majeure conditions etc.

	<p>tional expenditure incurred by M/s Wind Stream Energy Technologies Pvt. Ltd. for the installation of 50 kW Micro Grid at Thazhe Thudukki Tribal Hamlet.</p>	
16.11	<p>Ratification of the action of Chief Executive Officer for the appointment of five candidates selected through Professional and Executive Employment Exchange</p>	<p>Ratification from Government is required. Put up detailed proposal to Government.</p>
16.12	<p>Appointing consultants for a PMU on Green Hydrogen in ANERT</p> <p>Whether ANERT may be authorised to select and appoint a consultant through a transparent EOI process to manage green hydrogen projects, with the expenditure met from the state plan funds allocated for green hydrogen projects.</p>	<p>The GB authorised CEO, ANERT to engage an experienced consultancy agency in the relevant field. If the consultancy charges exceed Rs.25 lakh, approval from Power Department will be required. The proposal may be submitted to Govt. for approval as the expenditure is to be met from State plan funds</p>
16.13	<p>Reconstitution of GB and EC of ANERT</p> <p>The Executive Committee and Governing Body of ANERT may be reconstituted in such a way that total strength of GB and EC members are the same as in the MoA, by limiting the representation from KSEBL as 'The Chairman and Managing Director or the Chief Engineer, REES'.</p>	<p>GB recommended the proposal and directed to submit proposal to Govt. for approval.</p>
16.14	<p>Appointment of Prof. (Dr) P.V. Aravind as Honorary Advisor for Green Hydrogen Programme of ANERT</p> <p>Whether Prof. (Dr) P.V.</p>	<p>Approved</p>

	Aravind, Professor and Chair of Energy Conversion, University of Groningen may be appointed as Honorary Advisor for green hydrogen programmes, by considering his vast experience in the relevant field.	
16.15	Appointment of a Civil Engineer in the EV Charging Station Project Whether a Civil Engineer (Rtd.) may be engaged in ANERT HQ @monthly salary of Rs.50,000/- for next one year.	GB recommended the proposal and directed to put up proposal to Govt. for approval.
16.16	Ratification of the action of CEO for the re-appointment of the employees in the post of Computer Assistant, Telephone Attendant cum Data Entry Operator, Technical Assistant and Project Intern for a period of 89 days.	GB recommended the action and directed to put up proposal to Govt. for ratification.
16.17	Salary Hike for District Project Engineers Working on Contract Basis Whether salary increment may be sanctioned to 11 District Project Engineers as proposed.	Approved
16.18	Formation of Programme Management Unit (PMU) Jointly with ANERT and GEAPP The proposal for establishing a Programme Management Unit (PMU) Jointly with ANERT and GEAPP for the specific programme implementation activities of ANERT be approved.	GB recommended the proposal and decided to put up to Govt. MoU may be signed with GEAPP on getting approval from Govt.

The meeting ended at 1.45 pm.

Sd/-

Chief Executive Officer
ANERT
(Member Secretary)

Sd/-

Additional Chief Secretary to Govt.
Power Department
(Vice-Chairman)

Sd/-

Minister for Electricity
(Chairman)

ITEM No. GB. 17.02:**Action Taken Report of the 16th meeting of the Governing Body**

Item No.	Item	Decision	Action taken
16.01	Confirming the minutes of the 15 th meeting of the Governing Body of ANERT	Approved and placed on record	No action required
16.02	Action taken report of the 15 th meeting of the Governing Body	The CEO, ANERT presented the action taken on the decision of the GB. After discussion, the GB approved the report with a direction to update the Audit of Accounts of ANERT for the years 2020-21 onwards within a period of 6 months positively.	Implemented.
16.03	Chief Executive Officer's Report	<p>The CEO presented the major programmes and achievements made during recent years. The GB approved the report and placed on record with the following remarks.</p> <p>The Chairman directed to go for extended warranty for solar projects beyond five-year period especially for projects beneficial to SC and tribal communities.</p> <p>The Vice -Chairman urged to include zero waste concept in solar PV projects.</p> <p>Analysis of power generation details of solar power plants installed in 450 Govt. Buildings needs to be done.</p> <p>The Chairman directed to conduct cost benefit analysis of e vehicles including the replacement cost of batteries.</p> <p>It may also be considered for setting up solar powered e vehicle charging stations in working places for operation during day time.</p> <p>Induction charging for e vehicles may also be explored.</p>	<p>Warranty for PM KUSUM power plants was enhanced to 7 years.</p> <p>Dashboard displays a total of 1,73,33,830 units of electricity generation from solar plants of capacity 1485 kWp till 8-6-2025.</p> <p>The cost benefit analysis of e cars including hatch back, SUV and MPV was done and report submitted to Power Department.</p> <p>Installed six solar powered EV charging stations in CUSAT Metro Station, Muttom Metro Station, Kerala Start Up Mission, Kalamassery, Kunnamkulam Municipality, Shornnur Metal Industries and Bekal Fort.</p> <p>With the technical support of OMI Foundation, it is planned to install a wireless charging station using induction charging in Water Metro</p>

Item No.	Item	Decision	Action taken
			Station, Kochi.
16.04	Special Purpose Vehicle (SPV) for Renewable Energy Generation Whether ANERT can move forward with the proposal for creation of a Special Purpose Vehicle for Renewable Energy Generation	GB approved the proposal and recommended to Government for final decision	Government had approved (vide G.O. (MS) No. 1/2025/Power dated 17.1.2025) the formation of a not-for-profit company under Section 8 of the Companies Act for implementing the Hydrogen Valley Innovation Cluster (HVIC) project of the DST, Govt of India and the registration process of the company 'Kerala HVIC Foundation' has been completed. This was with the approval of the Council of Ministers. This company also has mandate for implementing renewable energy projects for green hydrogen.
16.05	Whether audited statement of Accounts for the year 2019-20 be approved	GB approved the proposal with the following directions; A Chartered Accountant may be outsourced for the purpose of clearing all the pending issues related to yearly audit. Audit of Accounts should be updated and streamlined within six months. The income tax liability reported during 2019-20 to be cleared and the audit software to be made fully functional within three months and report the progress in the next Executive Committee.	Outsourced a Chartered Accountant, viz Certuz Business Consultants, through e tender process. Audit of accounts completed up to year 2023-24 Income tax related services are provided by the current Statutory Auditor, Arun Jithin and Associates, Thiruvananthapuram
16.06	Permission for meeting travel expenditure from own fund for ANERT's regular & project staff Whether GB could reconsider the proposal and CEO ANERT shall be	The G.B directed to proceed as per Govt. Rules	Implemented

Item No.	Item	Decision	Action taken
	authorised to meet travel expenses including Air Journey for ANERT staff including those working in projects.		
16.07	Promotion of eligible and qualified employees Whether promotion of eligible and qualified candidates may be approved.	The GB recommended the proposal and directed to put up specific proposal to Government for approval.	Proposal submitted to Govt. vide letter No. ANERT-ADM/314 /2023-OA1(HRM) dt: 26.9.2023 and based on Govt. letter No.PWR-PS2/325/2023-POWER dt:4.10.2023 granted promotion to two Joint Chief Tech. Managers to Addl. CTM
16.08	Enhancement of Room Rent allowed in the T.A Rules of ANERT Whether reimbursement of room rent at the rates proposed be approved, subject to the production of receipt and by limiting the Daily Allowance to 2/3 rd of the admissible amount.	50% enhancement of the existing rates of room rent for various grades of employees is approved.	Implemented
16.09	Solarisation of Agricultural Water Pump of Non free Consumer - Whether the action taken by CEO to solarise the non-free consumer (Kumaran K, Consumer number- 1168198007956) under the Puduserry Krishi Bhavan is ratified.	Ratified. The Chairman has directed that any such cases in future for SC and ST beneficiaries shall be considered positively. The Chairman also directed to evolve a scheme on solar powered community micro irrigation system for the tribal land owners.	A new scheme to be evolved

Item No.	Item	Decision	Action taken
16.10	Reimbursement of additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt Ltd for the 50 kW Micro Grid system at Thazhe Thudukki Tribal Hamlet in Palakkad District. Whether GB consider the reimbursement of the additional expenditure incurred by M/s Wind Stream Energy Technologies Pvt. Ltd. for the installation of 50 kW Micro Grid at Thazhe Thudukki Tribal Hamlet.	The GB directed to put up a comprehensive proposal to Govt. for consideration. The report should include amount of labour charge released to the local tribal people, the reasons for escalation of the cost, force majeure conditions etc.	Requested the details from the vendor for submitting proposal to Govt. But not received any specific proof from the vendor. Hence no proposal submitted to Govt.
16.11	Ratification of the action of Chief Executive Officer for the appointment of five candidates selected through Professional and Executive Employment Exchange	Ratification from Government is required. Put up detailed proposal to Government.	Proposal submitted to Govt. vide letter No. ANERT-ADM/214 /2023-OA1(HRM) dt: 27.9.2023
16.12	Appointing consultants for a PMU on Green Hydrogen in ANERT Whether ANERT may be authorised to select and appoint a consultant through a transparent EOI process to manage green hydrogen projects, with the expenditure met from the state plan funds allocated for green hydrogen projects.	The GB authorised CEO, ANERT to engage an experienced consultancy agency in the relevant field. If the consultancy charges exceed Rs.25 lakh, approval from Power Department will be required. The proposal may be submitted to Govt. for approval as the expenditure is to be met from State plan funds	The setting up of a PMU for green hydrogen was included in the proposal for Administrative Sanction of the Plan programmes of ANERT for 2023-24, 2024-25 and 2025-26. Govt. approval has been obtained for all these proposals. The proposal also includes provision for availing consultancy services. A major portion of the PMU expenses would be met from the HVIC funds of the DST, which has been awarded to ANERT.

Item No.	Item	Decision	Action taken
16.13	<p>Reconstitution of GB and EC of ANERT</p> <p>The Executive Committee and Governing Body of ANERT may be reconstituted in such a way that total strength of GB and EC members are the same as in the MoA, by limiting the representation from KSEBL as 'The Chairman and Managing Director or the Chief Engineer, REES'.</p>	GB recommended the proposal and directed to submit proposal to Govt. for approval.	Based on ANERT's letter, Govt. issued GO(Rt) No.177/2024/POWER dt:24-09-2024 for the re-constitution of GB and EC of ANERT
16.14	<p>Appointment of Prof. (Dr) P.V. Aravind as Honorary Advisor for Green Hydrogen Programme of ANERT</p> <p>Whether Prof. (Dr) P.V. Aravind, Professor and Chair of Energy Conversion, University of Groningen may be appointed as Honorary Advisor for green hydrogen programmes, by considering his vast experience in the relevant field.</p>	Approved	Proceedings was issued vide A.O. No. 248/ 2023 /ANERT dated 14.11.2023 appointing Prof (Dr) Aravind PV as Honorary Adviser for Green Hydrogen Programme of ANERT. He is involved in various projects of ANERT in Green Hydrogen, especially the Centre of Excellence in the HVIC project and interaction with the Netherlands in various programmes
16.15	<p>Appointment of a Civil Engineer in the EV Charging Station Project</p> <p>Whether a Civil Engineer (Rtd.) may be engaged in ANERT HQ @monthly salary of Rs.50,000/- for next one year.</p>	GB recommended the proposal and directed to put up proposal to Govt. for approval.	Submitted proposal to Govt. for approval. Appointed a civil engineer considering the urgency of starting the construction work of charging stations. Otherwise, the beneficiary share of Rs.11 crore would have been lost if the work was not started in time.
16.16	Ratification of the action of CEO for the re-	GB recommended the action and directed to put up proposal to	Proposal submitted to Govt. vide letter No.

Item No.	Item	Decision	Action taken
	appointment of the employees in the post of Computer Assistant, Telephone Attendant cum Data Entry Operator, Technical Assistant and Project Intern for a period of 89 days.	Govt. for ratification.	ANERT-ADM/240 /2023-OA2(HRM) dt: 26.9.2023
16.17	Salary Hike for District Project Engineers Working on Contract Basis Whether salary increment may be sanctioned to 11 District Project Engineers as proposed.	Approved	Salary of 11 District Project Engineers revised vide order A.O No. 212/2023/ANERT dt:14.9.2023
16.18	Formation of Programme Management Unit (PMU) Jointly with ANERT and GEAPP The proposal for establishing a Programme Management Unit (PMU) Jointly with ANERT and GEAPP for the specific programme implementation activities of ANERT be approved.	GB recommended the proposal and decided to put up to Govt. MoU may be signed with GEAPP on getting approval from Govt.	Proposal submitted to Govt. vide letter No. ANERT-TECH/266/2023-PE1(RTS) dt: 19.10.2023 and 14.11.2023

ITEM No. GB-16.03:

Chief Executive Officer's Report

Thiruvananthapuram Solar City Project

Under the Union Ministry of New and Renewable Energy - MNRE's directive to designate at least one city in each state as a solar city, the state government has chosen Thiruvananthapuram as the designated solar city and appointed ANERT as the project's nodal agency. The goal is to meet most of electricity needs of Thiruvananthapuram city through non-conventional / Renewable energy sources.

As part of this, to transform Thiruvananthapuram City into a solar city, a survey was conducted by ANERT with the help of GIZ, resulting in the creation of a solar atlas for the city. A feasibility study was carried out on all buildings within the Thiruvananthapuram Corporation in partnership with Smart City Thiruvananthapuram Ltd., aiming to solarise all government buildings within the city limits. Consequently, power plants with a combined capacity of 17.063 MW have been installed across 514 suitable buildings. This includes Educational Institutions including Anganwadis, Healthcare institutions, Police Stations, Village Offices, PSUs etc. The total project cost is ₹105.92 Crore (Including ANERT's Project Management Cost), and this initiative has generated approximately 68,800 man-days of employment. This entire project will address a portion of these buildings' electrical consumption and guide them towards self-sustainability. The project is entirely funded by Smart City Thiruvananthapuram.

A total of 514 sites have a combined capacity of 17,063 kWp, with 492 sites already commissioned, totaling 15,390 kWp. Additionally, work has been completed at 20 sites, while construction is still underway at 3 locations. According to the latest data from the dashboard, 470 solar power plant sites, with a total capacity of 14,845 kWp, are actively communicating. The cumulative energy generation across all sites has reached **17,333,830 units** as of June 8, 2025. Now an average of 19,00,000 units of electricity is generating every month from this SPV Plants.



Solarisation of Life Mission Homes – Green Income Project

The Green Income Project, initiated by the Government of Kerala under the leadership of ANERT, aims to provide economically disadvantaged families with subsidized grid-connected solar power plants. These plants are being installed in homes under the MNRE Subsidy Programme, free of cost to the families. The project is funded 40% by the Central Government and the remaining amount by the State Government's development fund.

Since these families couldn't benefit from the Central Government's subsidy for solar power plants, the State Government decided to cover the beneficiary share from its development fund, making the project a success. Additionally, the Government offers electricity to poor families at very low rates, which creates a financial burden. However, this burden can be reduced with the implementation of grid-connected solar power plants in these households.

ANERT has successfully completed the following projects till now.

Solar Power Plants in Life Mission Houses:

The installation of 2 kW solar power plants in selected houses built under the Life Mission Project of the Government of Kerala is complete. The total project cost per house is ₹1,35,000/-, with ₹29,176/- provided by the Central Government and ₹1,05,824/- by the State Government's plan allocation. Beneficiaries were selected by the Life Mission and included families from Scheduled Castes, Scheduled Tribes, and fishermen categories.

These 2 kW solar plants, installed in Life Mission beneficiaries' homes, generate approximately 8 units of electricity per day. Excess electricity generated can be fed into the KSEBL grid. At the end of the financial year, if the electricity generated by the solar plant exceeds household consumption, KSEBL will compensate the consumer for the excess units. This project has successfully solarized 968 Life Mission houses.

Solar Power Plants in Scheduled Tribe Colony, Nadupathi, Palakkad & Aralam Kannur.

Under the Green Income Project, ANERT has successfully completed the installation of 2 kW grid-connected solar power plants in each house in the Scheduled Tribe

Colony, Nadupathi, Palakkad, and the Aralam Project. This initiative aimed to meet the electricity demands of the houses entirely through solar energy. A total of 286 fully constructed houses has been solarized. Additionally, ANERT distributed an induction stove to each beneficiary as part of the project.

Solar Power Plants in the houses constructed under Punargeham project of Govt. of Kerala.

As part of the Green Income Project, ANERT has successfully installed and commissioned 2 kWp grid-connected solar PV power plants in each of the houses constructed under the Punargeham Project, which aims to rehabilitate families residing within 50 meters of the high tide line. Total of 141 houses were solarized at free of cost.

Solar Power plants in the houses constructed under Scheduled caste Development Dept.

The project of installing solar power plants with a capacity of three kilowatts for free to 300 selected families constructed by the Scheduled Caste Department has been successfully completed. At present, 305 houses have been installed with solar power plants with a capacity of 3 kWp each through this project. The amount required for this scheme in addition to the CFA is met from the scheme allocation of the State Government. As part of the central government scheme, a subsidy of Rs.57,382/- is available for setting up a 3 kW power plant. Rs. 1,33,117/- per house is also spent by the State Government as beneficiary share.

Total project cost per house was Rs.1, 90,500/-, Beneficiaries are selected and given by the Scheduled Caste Development Department. Three kilowatt plants are being constructed in the houses of Scheduled Caste beneficiaries. About 12 units of electricity will be produced per day and by giving the excess electricity after use to the Distribution Company, an additional income of about six thousand rupees could be generated.

ANERT has decided to provide one induction stove to each beneficiary as part of the projects mentioned above. If this induction stove is also used, the beneficiary can

generate additional income by saving the cost of LPG. In this way, it is possible to make an income of around Rs.6000 per year.

Benefits to the beneficiary through the scheme

A 2 kWp grid connected solar power plant, when installed, will generate around 8 units per day approximately. These households can earn a small income from the excess electricity exported to the grid. For example, a household with a monthly consumption of 100 units of electricity can export about 1200 units of electricity to the grid in a year. It is possible to get an income of around Rs. 4000 per year. The electricity generated from the said power plant becomes an additional income for the beneficiary. If one induction stove is also used, the beneficiary can generate additional income by saving the cost of LPG. In this way, it is possible to make an income of around Rs. 6000 per year.





Remote Tribal Nagar Electrification

Despite 75 years of independence, remote tribal nagars/hamlets still suffer from wildlife and reptile attacks at night due to a lack of electricity. Acknowledging these challenges, the State Government has decided to take measures to provide electricity to these towns and other areas where grid power supply is inadequate.

As a first step, the project of setting up hybrid power plants with small windmills along with solar power plants was implemented in 43 houses in Attappadi Thazhathudukki Adivasi Nagar in Palakkad district (50 kW Micro Grid with battery backup (45 kW Solar and 5 kW Wind) with a battery autonomy of 2 days). An amount of Rs.1,43,38,800/- (Rupees One Crore Forty Three Lakhs Thirty-Eight Thousand Eight Hundred only) was utilized for this purpose. Thazhathudukki Adivasi Nagar is located on the banks of the Bhavani River in Palakkad district. With no transport facilities, the only way to reach this nagar is on foot. It's about a 9 km walk through dense forest from the Anavayil forest check post. Approximately 43 families reside in this nagar. With the implementation of this scheme, electricity has been provided to 43 families in Adivasi Nagar. Each household now has two LED bulbs, two tube lights, and plug points for mobile charging. Additionally, 15 street lights have been installed in public areas, a television facility has been set up in the local anganwadi for study purposes, and solar fencing has been installed to protect from wild animals.

Subsequently, solar wind hybrid power plants were installed in each of the houses to electrify 60 families in the Adivasi hills of Mele-Thukki, Galasi, and Ooredam Hamlets in the Silent Valley area of Attappady in Palakkad district. Each house was equipped with hybrid power plants featuring 1 kW capacity solar panels and 500-watt capacity wind turbines. Additionally, 20 solar street lights have been installed. A total amount of ₹3,48,23,838/- (Rupees three crore forty eight lakh twenty-three thousand eight hundred and thirty eight) was utilized for this initiative.



A Typical 1.5 kW Solar Wind Hybrid System installed in Melethudukki



ANERT as RESCO

As part of the solarization of government institutions, the solar power plant will be installed under ANERT's project and then the electricity generated from the plant will be made available to the respective institutions at a fixed rate. This is ANERT's Renewable Energy Service Company Scheme (RESCO).

Following this, in the last financial year, four institutions under the Kerala Agricultural University were chosen to establish solar power plants. These plants have been set up at Thrissur Kerala Agricultural University, Agriculture College Vellayani, Thiruvananthapuram, Kelappaji College of Agricultural Engineering and Technology, Thavanur, Malappuram, Agricultural College, Padanakkad, and Kasaragod. The details of the plants installed in each institution are outlined below.

SN	Name of Institution	Capacity (kWp)	Amount in Rs.
1	Kerala Agriculture University, Vellanikkara, Thrissur	250	1,13,92,091
	Dakshnina Building		
	100 kWp		
	Utthara Building		
	100 kWp		
	International Hostel		
2	College of Agriculture, Vellayani, Thiruvananthapuram	150	67,70,787
	Directorate of Extension		
	20 kWp		
	College of Climate Change and Environmental Science		
	10 kWp		
3	Kelappaji College of Agricultural Engineering & Technology, Malappuram	100	64,50,476
	Honeybee Building		
	30 kWp		
	Animal Husbandry Building		
	30 kWp		
	Nematology Building		
4	College of Agriculture, Padannakkad, Kasaragod	100	46,37,327
	Men's Hostel		
	30 kWp		
TOTAL		600	2,92,50,681

Solar power plants, with a combined capacity of 600 kW, have been completed in four institutions under the Kerala Agricultural University. The total cost for this project is ₹2, 92, 50,681/- (Rupees Two Crore Ninety Two Lakh Fifty Thousand Six Hundred Eighty-One Only). These plants are capable of producing 8 million units of electricity

annually. Once the RESCO period, which spans 6 to 8 years, is completed, the plants will be handed over to the University.



Fig: Solar PV power plant installation at College of Agriculture, Vellayani, Thiruvananthapuram



Fig: Solar PV power plant Installation at Kelappaji College of Agricultural Engineering & Technology, Malappuram

SOLAR COLD STORAGE SYSTEM

Solar Cold Storage is an innovative solution leveraging solar energy to power temperature-controlled storage facilities, ensuring the preservation of perishable goods. This technology addresses critical challenges in agricultural supply chains, such as post-harvest losses and energy accessibility in remote areas. Over the past year, our Solar Cold Storage systems have significantly enhanced efficiency and reliability, enabling farmers and businesses to reduce spoilage and maintain product quality. By integrating renewable energy into cold storage operations, we are advancing sustainability goals while supporting economic growth in underserved regions. Looking ahead, we plan to scale this initiative to broaden its impact and benefit more communities. As part of this project, a pilot initiative was undertaken to establish a 5 metric ton solar-powered cold storage unit at the Government Medical College in Kozhikode for the preservation of medicines. The success of this pilot project led to the decision to expand it to more centers.

As part of the Solar City initiative, solar-powered cold storage units with a capacity of 10 metric tons each were established in two institutions within the Thiruvananthapuram Corporation limits:

- a. Regional Cancer Centre (RCC): A 10 metric ton capacity solar-powered cold storage unit was installed at the RCC in Thiruvananthapuram to preserve vaccines at low temperatures.
- b. World Market, Anayara: Under the supervision of the Agriculture Department, a 10 metric ton capacity solar-powered cold storage unit was established at the World Market in Anayara to preserve fruits and vegetables.

These storage units can maintain temperatures between 4 to 8 degrees Celsius, and with the thermal storage system, they can retain the temperature for up to 30 hours even in the absence of solar power. In conditions of continuous rainfall, the units can be connected to the electric grid for uninterrupted operation.

Additionally, 10 metric ton cold storage units were also established at Velanthavalam Market in Palakkad district and the Kampalathara Agro Processing Unit in Perumatti Panchayat.



Fig: Solar Powered Vaccine Cold Storage at RCC Thiruvananthapuram
Solarisation of Anganwadis

As a first step towards solarisation of all anganwadis in the state, solar power plants with a capacity of 2 kW each have been set up in 80 anganwadis in Palakkad District. By harnessing solar energy, these anganwadis can reduce their dependence on conventional electricity sources, leading to cost savings and increased energy security. This project marks a significant step towards a greener and more sustainable future for the state's anganwadis, providing multiple benefits to the community and the environment.



Solarisation of Govt. Buildings under Deposit Work Scheme

ANERT is implementing Renewable Energy Projects of various Government Institutions and Local Self Governments as Deposit Work. As part of this programme a total of **5.543 MW** SPV Power Plants has been installed from 2023-25, which includes 5.095 MW Ongrid System, 93.5 kW Off grid System and 354.5 kW Hybrid Systems. Additionally, a total of 618 solar street lights have been installed.

Details of Deposit Work undertaken by ANERT are given below:

Sl No:	District	On Grid Capacity (kW)	Off Grid Capacity (kW)	Hybrid Capacity (kW)	Solar Street Light (Nos)
1	Thiruvananthapuram	267		10	16
2	Kollam	158			41
3	Pathanamthitta	24	1.5	18.5	12
4	Idukki	378	27	56	179
5	Kottayam	209		2	12
6	Alappuzha	47	6	26	56
7	Ernakulam	323	4	26.5	120
8	Thrissur	1911	14	55	46
9	Palakkad	486	12	22.5	26
10	Malappuram	528	2	48	14
11	Kozhikkode	251	9	60	9
12	Wayanad	85	18	30	42
13	Kannur	125			25
14	Kasaragod	303			20
	Total	5095	93.5	354.5	618

Battery Energy Storage System (BESS)

The Battery Energy Storage System (BESS) is an advanced technological solution that helps store electricity and distribute it to users when needed. It plays a crucial role in ensuring a stable power supply even during electricity outages, climate fluctuations, or other uncertain circumstances. BESS is a key component in projects that involve renewable energy sources, particularly solar and wind energy, as it helps to address their intermittent nature. BESS improves energy efficiency, reduces reliance on traditional power grids, and helps lower carbon emissions. As a pilot project, a Battery Energy Storage System with a capacity of 100 kW / 150 kWh is installed at ANERT HQ.



Fig: Battery Energy Storage System at ANERT HQ

Green Hydrogen

Green Hydrogen (GH₂) is expected to play a crucial role as an energy carrier in the global energy system. It was in this background that the National Green Hydrogen Mission was announced in January 2023 by Govt of India to be led by the Ministry of New & Renewable Energy and to be implemented jointly with many other ministries.

In Kerala's targets for achieving 100% renewable energy by 2040 and to be a carbon-neutral state by 2050, green hydrogen is expected to play a crucial especially in hard-to-electrify/ hard-to-abate sectors. With increased solar power generation during the daytime, it could support as a storage too with the development of cost-effective technologies.

An amount of ₹200 crore was announced for Green Hydrogen projects in the State Budget 2023. This was for implementing pilot projects and support including VGF during the next 3 years. An amount of ₹92 lakh was allocated in a new head of account [2810-00-800-78] in the Plan budget for 2023-24.

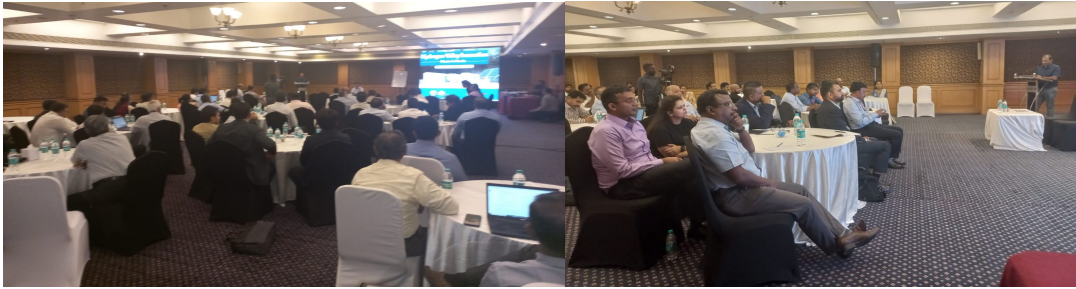
ANERT was nominated as the nodal agency for Green Hydrogen projects in the state (G.O. (Rt) No. 97/2023/POWER dated 31.05.2023)

Hydrogen Valley

The Department of Science & Technology (DST, Govt of India) had invited Expression of Interests for preparing DPRs for a Hydrogen Valley.

In this context, a workshop was organised by ANERT, EMC and IIT Palakkad at Thiruvananthapuram on 15-Feb-2023. There were many national and international participants and many organisations expressed their interest to be part of the Kerala Valley. The Expression of Interest was submitted to DST through their online portal by ANERT in May 2023 [ref TPN/ 91090]. After the evaluation, presentation of the EOI (done online before a committee of the DST) and final clarifications of the EOI proposals of ANERT and EMC, a combined Kerala Hydrogen Valley Innovation Cluster was shortlisted for preparation of DPR in Aug-2023. DST would be reimbursing the expenses towards preparation of DPR.

A consultant (M/s Steag Energy Services) was appointed for preparation of DPR through a tender process as suggested by EC (59.04). Workshop involving stakeholders to partner with the project was held at Kochi on 13-Oct-2023. The consultants interacted continuously with the stakeholders and the required details were collected for preparing DPR in the format specified by DST. The DPR was finalised and submitted to DST on 30-Nov-2023. There were many clarification requests from DST and they were answered with the help of partners and the consultant.



The proposal is to develop a comprehensive Valley that includes the entire hydrogen value chain—from production and storage to distribution and diverse end-use applications, manpower development and R&D. This includes biogenic and electrolysis based hydrogen production and the use of hydrogen in water and road transport. Initially, these projects will be developed on a pilot basis, and once commercially proven, they will be scaled up over the next phase. With ANERT as lead partner and a number of partners from the public and private sector including industry, academic and research institutions, has estimated a project cost of ₹133 crore. Funding from DST is expected for the pilot projects to the tune of ₹53 crore with the remaining met by the state and partner institutions. Partners include CSIR-NIIST, CDAC, IIT Palakkad, IISER, Cochin Shipyard, TCC, KMRL, KSRTC, Axiomex, Greenstat, etc.

The proposal of ANERT was shortlisted for presentation before the Expert Panel Committee (EPC) of DST on 8-Feb-2024. It was one among the 12 DPRs shortlisted for presentation. In April 2024, DST informed that the EPC had “recommended the proposal for financial support”. Kerala’s has been one of the four projects finally shortlisted. Further clarifications were requested along with revision of DPR on certain points. ANERT has clarified the queries and also submitted a revised DPR in Jul-2024 with inputs and commitments from the partners.

DST also informed that the release of funds will be only to the not-for-profit company formed for this project (registered under Section 8 of the Companies Act). ANERT had approached Government for permission to register the company, and permission was granted in January 2025 (G.O. (Ms) No. 1/2025/POWER dated 17.01.2025). A company secretary was selected through quotations and the registration process initiated. The Memorandum of Association (MoA) and Articles of Association (AoA) prepared based on the MCA portal (Ministry of Company Affairs) templates and got approved by Government. The not-for-profit company “Kerala HVIC Foundation” was registered under Section 8 of the Companies Act on 30-Jul-2025. It had CEO-ANERT as Chairman & Managing Director and ACS-Power as one of the Directors. The other Directors from DST, Finance, etc. as per G.O. of 17.1.2025 should be added to the Director Board.

The formal Letter of Award for the project to ANERT was issued by DST on 29.7.2025. The first tranche of funds amounting to ₹21.36 crore has been allocated through PFMS to the Kerala HVIC Foundation.

This project involved pilots in the complete hydrogen value chain involving production, compression and storage, refueling stations, various end uses, R&D and skill development through a centre of excellence. Production using electrolyzers with green power and from biomass is planned. End uses include land and water transport, blending with city gas network and conversion of a house boat. Partners in pilot stage include public and private institutions like CSIR-NIST, IIT Palakkad, IISER, CDAC, CIAL, Kochi Metro, Cochin Shipyard, SWTD, Axiom, Greenstat, Honda, etc. In the scaling-up phase after the 5-year pilot stage, industrial uses including refinery, fertiliser, etc. are planned. Final approval is awaited for the ₹133 crore project with ₹53 crore anticipated from DST.

The State Budget for 2025 has an announcement related to Green Hydrogen Valley (para 164-165) with an allocation of ₹5 crore. Proposal for this has been given for administrative sanction and fund allocation. This was in addition to the allocation of ₹6.5 crore under the scheme 'Green Energy Hub'.

Setting up of a Project Management Unit in ANERT

The administrative sanction for the plan programme “Green Energy Hub” (G.O. (Rt) No. 212/2023/Power dated 28.11.2023) included that for consultancy services including the setting up of a project management unit (PMU) in ANERT for the preparation of DPRs etc. and managing projects including hydrogen valley, once it is sanctioned. Tenders were invited through the e tendering portal for the setting up of PMU. EY and KPMG participated in the bid. The evaluation was on the basis of quality and cost. Both scored full marks in the quality/ technical evaluation. Orders were issued to EY based on the lower cost quoted. On acceptance, EY have placed four personnel at ANERT from 3-Mar-2024. They have been involved in the activities of Green Hydrogen projects and a few other proposals.

Pilot project in Transportation Sector

Automotive Research Association of India (ARAI, Ministry of Road Transport & Highways) had notified call for proposals for pilot projects in transport sector in Feb-2024. ANERT had submitted proposals to ARAI in April-2024. The project involving operation of 4 hydrogen vehicles (two each of hydrogen internal combustion engine and fuel cell based) and two refueling stations is being implemented in partnership with BPCL, Ashok Leyland/Tata Motors, Greenstat and KSRTC. The project costing

about ₹57 crore will receive ₹35 crore as VGF (up to 90% of the cost of vehicles and refueling stations) from ARAI for most of the capital expenses and remaining would have to be met from state funds mainly related to operation. The letter of award for the project was issued to ANERT, and MoU was executed with ARAI. But an amendment has been suggested by ARAI on the advice of the Project Appraisal Committee and it is being finalised. The project is expected to commence soon after signing of the addendum to MoU.

Green Hydrogen Policy

A Green Hydrogen Policy has been formulated. The first draft was submitted to Government in July 2023. It has undergone multiple rounds of review at the Ministers, Secretaries and Chief Secretary level, and revisions incorporated. The policy is expected to be approved soon.

Kochi Green Hydrogen Hub

The German Development Agency (GIZ) had prepared a roadmap for a green hydrogen cluster in Kochi through MEC Intelligence who worked closely with Govt of Kerala/ANERT and other stakeholders to finalise the roadmap. A discussion was held with stakeholders by MEC+ at ANERT office on 7-Nov-2023. The stakeholders who participated included KSEBL, Inland Waterways Authority, Kerala Water Authority, KSRTC, Vizhinjam International Seaport, Adani Vizhinjam Port, Adani Trivandrum International Airport, AG&P Pratham.

A roundtable discussion with soft launch of the draft report was organised with the stakeholders at Kochi on 12-Dec-2023. The report was presented before the invited stakeholders by MEC+ and GIZ in the presence of ACS-Power, CEO-

ANERT, and representatives of stakeholders

including Cochin Refinery, FACT, KSEBL, KSRTC, KMRL, Kottayam Port, etc. This was followed by detailed discussions.



The Roadmap for Kochi Green Hydrogen Hub was released at the 2nd International Conference on Green Hydrogen (ICGH 2024) organised by MNRE at New Delhi in September 2024.

Other proposals and initiatives

Proposals have also been submitted to Ministry of New & Renewable Energy (MNRE) for Centre of Excellence and a few other projects, which are under review.

All the green hydrogen initiatives are expected to help the state in achieving the carbon neutral goal by 2050. One of the sectors which maximum carbon emission within the state is the transport sector. The use of hydrogen for long haul passenger and goods transport is considered a good alternative to electric vehicles, and would considerably reduce the carbon emission.

Kerala has also received a few investment proposals to produce Green Hydrogen / Green Ammonia within the state, mainly aimed at exports. The decision on these proposals is expected to be taken by Government once the policy is finalised.

A delegation of the Netherlands Embassy in India had visited Kochi in April 2024 to explore the green energy opportunities, which was coordinated by ANERT. Consultation was arranged with stakeholders in Kochi. Visit and discussions to Cochin Shipyard, Kochi Water Metro and Cochin University of Science & Technology (CUSAT) for interaction with academic institutions was also arranged.



As a follow up, a formal ‘Hydrogen Innovation Mission to India, 2025’ was organised by the Netherlands Embassy in September 2025. This Mission visited only 2 states and had discussions with Govt of India officials including DST at Delhi. Kochi was one of the places visited by the Mission. The Mission included industry leaders, senior academicians, representatives from R&D organisations and Govt officials from the Netherlands. ANERT organised a stakeholder interaction at Kochi on 8-Sep-2025. This was followed by site visits to Cochin Shipyard, Kochi Water Metro and Cochin International Airport, including their Green Hydrogen facility, and held discussions with the top leadership. This was also facilitated by ANERT.



MNRE had been organising the International Conference on Green Hydrogen from 2023. The 2nd conference was held in New Delhi from 11th to 13th September 2024. ANERT was selected to be a Knowledge Partner for a breakout session (2D) on the first day: “Design Consideration for Developing Successful Hydrogen Hubs”. ANERT fully coordinated the session having panel discussion on the above subject, moderated by CEO Sri Narendra Nath Veluri IFS and having as panelists: (1) Dr Patrick Hartley (Leader, Commonwealth Scientific and Industrial Research Organisation (CSIRO) Hydrogen Industry Mission, Australia), Mr. Rolf Behrndt (Sr. Hydrogen Expert, Germany), Dr Anita Gupta (Scientist 'G', Adviser & Head, Climate, Energy and Sustainable Technology (CEST) Division, DST, Govt of India), Mr Sachin Chugh

(Hydrogen Lead India, Arup), Mr Sidharth Jain (Managing Director, MEC+), Prof (Dr) Aravind P.V. (University of Groningen & University of Delft, Netherlands). The session was well attended and was well organised without any hitches. The session also saw the release of two GIZ reports: – Kochi Green Hydrogen Hub and Telengana Green Hydrogen Cluster.



ANERT had the privilege of hosting a distinguished delegation from the European Union (EU) as part of the EU Research & Innovation Counsellor's regional visit to Kerala, which took place from December 2nd to 5th, 2024.

The delegation was led by Mr. Pierrick Fillion- Ashida, First Counsellor and Head of Research & Innovation, EU Delegation to India, accompanied by Dr. Vivek Dham, Advisor – Research & Innovation, EU Delegation to India, and other officials on 4-Dec-2024. They were welcomed by CEO and other staff of ANERT. ANERT presented the recent activities done for Green Hydrogen Valley Innovation Cluster and Renewable Energy sector in the State. The EU team welcomed future collaboration with ANERT in



capacity building and finding technology partners for Hydrogen Valley.



As part of the outreach for the European Union – India call for proposals in development of ‘Waste to Renewable Hydrogen’ technologies, an Information and Networking event was held at ANERT on 12-Jun-2025.



Global Hydrogen and Renewable Energy Summit 2025

A two-day Global Hydrogen and Renewable Energy Summit was held at Grand Hyatt Kochi, on March 12 and 13, 2025. This event was organised by ANERT as the Programme Chair/ Host Partner on behalf of Government of Kerala with Elets Technomedia as the Knowledge Partner. The



summit witnessed insightful discussions, talks on cutting-edge technologies, and signing of a number of MOUs. Speakers and panelists included renowned national and international experts in the field of renewable energy and green hydrogen. Delegates from across the country participated.

Floating Solar

A Guidelines for Floating Solar was drafted by ANERT and submitted to Government. This was initiated based on the online meeting conducted by the Hon. CM on 9.11.2022, followed by the constitution of the high level committee headed by Chief Secretary vide G.O. (Rt) No. 212/2022/POWER dated 9.12.2022. This has gone through multiple reviews at the Ministers' and officials' level including Agriculture, Fisheries, Power and Water Resources besides the Chief Minister and Chief Secretary. The guidelines were approved vide G.O. (MS) No. 4/2025/POWER dated 01-03-2025.

A detailed study of the potential and feasibility of floating solar in a few dams in Kerala was initiated under a World Bank project for preparation of preliminary project report to be submitted to World Bank for funding. The studies were done in Kallada, Pothundi and Karapuzha dams under the Irrigation Dept. The potential was assessed to be 133, 25 and 38 MW respectively.

Power policy

A committee to draft a new power policy for the state was constituted vide G.O. (MS) No. 11/2023/Power dated 29.12.2023. ANERT was requested to draft the part related to Solar/ Renewable Energy. ANERT had helped Power Dept organise a few meetings of the power policy committee on 6-Feb-2024, 29-Apr-2024 and 15-Jul-2024 at Thiruvananthapuram in hybrid mode.

ANERT had constituted a sub-committee for drafting the Solar/RE part of the policy vide A.O. No. 96/2024/ANERT dated 21-05-2024. A meeting of the sub-committee on Renewable Energy was held at Kochi on 22-May-2024 in the hybrid mode.

ANERT was requested by Power Department to compile the inputs from various stakeholders and submit draft Power Policy to Power Department. The compiled draft power policy document was given to Power Department and is awaiting approval.

e Governance activities

ANERT had implemented the electronic marketplace (www.buymysun.com) and programme management portals along with mobile apps for field activities in 2017. The systems are working well, integrated with the portals of Aadhaar (for DBT of subsidy), MNRE (SPIN), NGO Darpan, KSEBL, payment gateway, etc.

With the subsidy programme of MNRE being allocated to KSEBL (Discom), the orders through the portal has come down drastically. Currently mainly the PM-KUSUM scheme and the deposit works (projects for public institutions) are handled by the portal. Past data related to deposit works are being prepared for updating in the portal.

An internal software for handling personnel details, attendance, leave, salary, etc. has been in use in ANERT from 15.9.2022 (Circular ANERT-ADM/28/2020-OA1(HRM) dated 14.9.2022). This is being extended by a startup to include accounting, project management, assets and other features.

The website of ANERT has been revamped.

E-Mobility Projects of ANERT During the year 2020 -25

Lease Contract of E-Car Project to Govt Departments.

Recognizing the performance, maintenance and fuel efficiency of electric cars, the State Government had approved a scheme to replace the petrol / diesel vehicles currently used on contract basis in Government departments with electric vehicles. Accordingly, ANERT is implementing a scheme for lease contract of electric cars for Government Departments. With the advent of electric cars in Government Departments, the public began to use electric cars more widely, realizing the performance that was comparable to diesel / petrol vehicles, less maintenance and less fuel efficient. Various models of electric cars are given to Government departments and Govt. agencies as part of Lease Contract of E-Car Project of ANERT. According to G.O(P)No.24/2020/Fin dated 07/03/2020 & G.O(P)No. 113/2020/Fin dated 19/08/2020, Departments like Culture Department, Environment Department, Co-

operative Department, Energy Department, Motor Vehicle Department, Health Department, Planning Department, Taxes Department, Fisheries Department, Industries Department, Water Authority, Higher Education Department are taken E-Cars for their office use.

216 number of vehicles have been provided in 25 departments and 60 offices as on 31-09-2025. Earlier leasing the E-car project was done with the support of EESL Govt of India. But they have not given proper support for maintenance of E- cars, extended warranty issues, Insurance claim during accident cases. Presently they have given a new proposal with private agencies. As per this proposal monthly rent of E-cars are not affordable. So ANERT have directly purchase E-cars through E-Tender and given to various Govt institutions on 5 year lease.

PUBLIC EV CHARGING STATIONS

Currently the major constraint for using an electric vehicle is the lack of sufficient public charging stations in NH, MC Road and other State Highways. Fast charging stations are essential for long distance travel on the NH and MC roads. Existing electric cars can travel a maximum of 150-350 km on full charge.

Public EV charging station with EESL & other state govt institution

16 Nos of public EV charging stations are installed with the support of EESL, Govt of India and other State Govt. departments.

Implementation of Solar Powered EV Charging Hubs in Metro Stations and Govt. institutions near National Highway.

For the promotion of Green Energy, ANERT had already installed 4 nos of Solar Powered EV Charging Stations in Govt. Institutions and Metro Stations near National Highways all over Kerala. During the year 2023-24 All stations have 4 nos of machines (82kW CCS&TYPE II AC), 60kW (CCS TYPE II), 7.5kW TYPE II AC and 10kW AC 001 (3.3kWx3 gun). 5 nos of E-Cars can be charged at a time

Financial incentive for solarisation of Public EV Charging Stations

As a part of promotion of Green Energy in the State, Govt. have introduced financial incentive through ANERT for solarisation of Public EV Charging Station Project. Rs. 20,000/kW is available for solarisation of EV Charging Stations up to Rs.10 lakhs for 50 kW with Ongrid Solar Power Plant. This subsidy is applicable for Hotels, Restaurants and Co-operative Societies/Banks etc.

ANERT issued guidelines for setting up a Solar-Powered public charging stations in Hotels, Malls and other Private Institutions situated along the National Highway, MC Road, State Highway with State Govt. Subsidy. Preference will be given to facilities with Refreshment/Cafeteria, waiting room, wash room etc.

As a part of solarisation, solar power plant should be set up with a capacity of 5kW-50 kW for each charging station. Solar Power Plants require suitable shade-free space (minimum 500 sq. feet –maximum 5,000 sq. feet). The 5kW-50 kW capacity plant will cost between Rs.3 lakh – Rs. 30 lakh. ANERT will provide subsidy at 20,000/kW for Solar Power Plant. The approx. cost of 60kW Charging Machines, 100KVA Transformer and Panel board and other expenses is about Rs.20-25 lakh per site.

Two vehicles (Two E-Cars) can be charged at a time. 20-30 units of electricity is consumed for charging a car. The user has to pay @Rs 15/- to Rs. 20/- for charging one unit of electricity. Out of this, Rs.6/- to 7/- should be paid towards KSEBL electricity charge by the owner. Solar subsidy released to 19 beneficiaries for solarisation of EV charging station so far.

Financial Incentives given DC Fast charging machines

State Govt have given financial incentives for DC fast charging stations through ANERT. Machine subsidy given for 23 nos of DC Machines installed in hotels, malls, hospitals and Co-operative institutions.

Implementation of Public EV charging stations as a part of Solar City Project of Thiruvananthapuram

As per Smart City Project of Thiruvananthapuram, it was proposed to install 13 No of public EV charging stations in Thiruvananthapuram City area. Installation work of 9 no of EV charging stations is completed and work is going on in 4 locations. 9 Nos of DC fast charging stations are exclusively for E-Car charging and 4 stations are for KSRTC E-Bus charging.

Implementation of DC Fast Charging Machines in MVD Offices

As a part of E-Mobility Project, it is planned to install 35 nos of 30 kW DC Fast Charging machines in MVD Offices all over Kerala. We have received land NOC in 26 stations. During the year 2024-25, work completed in 17 stations. 7 Nos of stations were commissioned.

Up to March 2025 total 80 Nos of charging stations were set up and commissioned under the leadership of ANERT.

The details are as follows:

EV Charging Stations Installed during 2020-2025	No of installations
EV Charging Stations installed during 2020-2023 (with EESL support)	16
Technical support and financial incentive given to private individuals during 2020-2025 for installation of DC Fast Charging	27
Ev charging station installed under Smart city project (TVM) (Work going on in 4 locations)	13
Solar powered EV charging station installed by ANERT	7
DC fast charging stations installed in MVD locations & District collectorate (Work going on in 7 locations)	17
Total public EV charging stations	80 Nos

PM KUSUM –Component C- IPS

The Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan (PM KUSUM) is a collaborative initiative by the Central and State Governments aimed at helping farmers solarize their agricultural pumps. This enables farmers to use solar power for irrigation, and any surplus electricity generated can be sold to DISCOMs, providing an additional income stream.

PM KUSUM Component C -Individual Pump Solarisation (IPS): Farmers can solarize existing electric pumps (1 hp to 7.5 hp), with 60% of the cost (benchmark cost) covered by state and central subsidies. Initially, 100 pumps were approved as a pilot, and ANERT successfully solarized 68 pumps. However, many farmers could not afford the remaining beneficiary share of the project cost, limiting project uptake. To address this, ANERT decided to source financial aid for the farmers' share, increasing the scheme's accessibility.

The solarization of 9348 agricultural pumps under PM KUSUM C (IPS) is being implemented using NABARD RIDF funding with zero farmer contribution. The beneficiaries of this scheme are the free agriculture tariff farmers (consumers) under Krishi Bhavans. The loan repayment period of NABARD RIDF is 7 years after which the farmers can get an additional income from the sale of surplus energy to the Discom.

In the initial phase, ANERT focused on five districts—Thrissur, Kasaragod, Malappuram, Palakkad, and Ernakulam—which account for 80% of agricultural pumps in Kerala. NABARD sanctioned Rs. 172.05 crore under Tranche 28 for solarizing 5,955 pumps in these districts. Under Tranche 30 NABARD sanctioned Rs 112.65 Cr for 3,393 pumps solarisation adding to the first target of 9348 pumps.

Below is the project details for 2023-2024, 2024-2025 and 2025-2026:

Sl No.	Year	Number Installations Completed year wise	Cumulative Number of Installations
1	2023-2024	676	676
2	2024-2025	649	1327
3	2025-2026 (up to October)	1000	2325

The project is ongoing and gaining popularity among farmers.

PM KUSUM Project – photos



PM KUSUM C IPS Power Plant- Kozhinjampara Palakkad



PM KUSUM C IPS Power Plant- Malappuram

ITEM No.GB 17.04

Empanelment of Agencies for implementing Green Income Scheme for Households

The State of Kerala is implementing the **Green Income Scheme** through ANERT to provide additional income to economically weaker households through the installation of 2 kWp on grid rooftop solar power plants. The electricity generated from the solar power plant will offset household consumption, and the surplus energy fed to the grid will earn beneficiaries an annual return at the Average Pooled Power Purchase Cost (APPC) rate notified by the Kerala State Electricity Regulatory Commission (KSERC).

ANERT has already implemented the scheme in around 1,700 households under MNRE RTS Phase-II, with beneficiaries earning an additional income of ₹3,500–₹8,000 per year.

In alignment with the Utility Led Aggregation Model under the PM Surya Ghar: Muft Bijli Yojana (PMSG: MBY), ANERT has proposed the solarisation of 1 lakh households, covering beneficiaries of various Government housing schemes.

The estimated project cost for a 2 kWp plant is ₹1,50,000 (inclusive of GST). The MNRE Central Financial Assistance (CFA) of ₹60,000 per plant will be availed, and the State Government will bear the balance cost, ensuring that the entire benefit of power generation reaches the beneficiary. Each household will also be provided with an induction cooktop and utensils to promote clean cooking.

MNRE has accorded in-principle approval for 50,000 households, and the **final sanction** will be issued upon acceptance of the conditions in the in-principle approval by the State Government. The project is planned for completion by 2026–27.

The financial proposal for the project is currently under consideration of the Government. ANERT has also received CSR, CER, and LSGD funds for implementation in various districts.

Point for Decision

Permission may be granted for floating tender for the empanelment of agencies for implementation of the Green Income project for households.

ITEM No.GB.17.05

Statutory Auditor's Report for the years 2020-21, 2021-22, 2022-23 and 2023-24

The Statutory Auditor's reports for the years 2020-21, 2021-22, 2022-23 and 2023-24 are submitted herewith for consideration of the Governing Body. The audit reports for the years 2020-21, 2021-22 and 2022-23 had been placed before the 60th meetings of the Executive Committee and the E.C recommended to place before the Governing Body for approval. The audit reports are attached as Annexure I, II, III and IV.

Point for Decision: Whether the audited statement of accounts for the years 2020-21, 2021-22, 2022-23 and 2023-24 be approved?

ITEM No.GB.17.06.

Restructuring Report of ANERT by CMD – Relaxation of CSIR Scientists Recruitment and Assessment Promotion Rules 2001 – Opinion of Governing Body

Kindly see the judgement of Hon'ble High Court of Kerala vide WP (C) No.16423 of 2021 pronounced on 9-1-2025 with respect to consideration of the Restructuring Report of ANERT by the Governing Body of ANERT (**Annexure V** enclosed). Government had accorded administrative sanction on 09-11-2017 for the organizational study of ANERT by Centre for Management Development (CMD) and the Restructuring Report of ANERT was prepared by the CMD. (**Annexure VI** enclosed). The report was placed before the 52nd Executive Committee meeting and the EC decided to place the report before the Governing Body meeting of ANERT. Since the Governing Body meeting was not scheduled to be convened shortly, the restructuring proposal was directly submitted to Government for approval. There was also direction from the Government to submit the Restructuring Report submitted by CMD urgently to Govt. Counter affidavit was filed in the court and a copy of the same is enclosed as **Annexure VII**.

The two scientists working in ANERT, viz Sri. Valsaraj P and Sri. Pramod N.E, had filed writ petition in the Hon'ble High Court for challenging the implementation of the restructuring report by contenting that a statement was included in the restructuring report by the CMD as given below, but this recommendation of the CMD for the scientific staff, mentioned in the Restructuring Report, was not approved by the Government.

“One time mapping for employees at the time of implementation: All the four Scientists in ANERT shall be granted promotions as per CSIR promotion Rules by relaxing the screening / assessment process by invoking the relevant clause (9) in CSIR Rules, considering the fact that their routine responsibilities involve considerable project / technology management works rather than pure R&D works.”

Moreover, the Govt. also decided to retain the number of scientists in ANERT as four, as against the number of scientists as eight, recommended by CMD in the report.

It may be noted that, Rule 9 of ‘CSIR Scientists Recruitment and Assessment Promotion Rules 2001’ states as “Power to Relax – the governing body may relax any or all the provisions of this rule wherever considered necessary”. However, the Governing Body of CSIR at its 170th meeting held on 28th January 2008 has amended the rules as ”Rule 9 : Power to relax/modify - Director General, CSIR, may relax / modify/ amend any of the existing rules to overcome the operational difficulties and for speedy assessment of the Scientists on the recommendations of the Recruitment and Assessment Board, wherever considered necessary. Such relaxation/ amendment/ modification should be applicable from the date of notification of the DG’s decision unless specified otherwise. The relaxation/ modifications/amendments, if any, shall be ratified by the Governing Body”. Though the restructuring report of CMD includes a clause for relaxation of CSIR Rules, the Government has taken a timely wise decision to delete the clause by upholding the spirit of CSIR Scientists Recruitment and Assessment Promotion Rules.

A letter was sent from ANERT to Government vide letter No. ANERT-ADM/69/2017-OA1(HRM) dt:10-02-2021 requesting the Govt. to decline the above illegal recommendation included in the Restructuring Report since the clause was a clear violation of the prevailing CSIR Recruitment and Promotion Rules of the Govt. of India. Moreover, there was strong objection from the Office of the Accountant General of Kerala on granting multiple promotions to the Scientists of ANERT in the past by violating the CSIR Recruitment and Promotion Rules. Copy of the audit objection note of the AG’s Audit Team is enclosed as **Annexure VIII**. Government then excluded this illegal recommendation and granted final approval to the Restructuring Report.

The decision of the Hon’ble Court is “The restructuring report shall be placed before the governing body of ANERT, and the proposal for relaxation to scientists in the matter of promotion as suggested in the restructuring report shall be considered and the opinion in this regard shall be submitted to the Government by the Director based on the decision to be taken by the governing body. Based on the report submitted by the Director on the basis of the decision of the governing body, the matter shall be placed before the Government again, who shall re-examine the same and take a fresh decision after affording an opportunity of being heard to the petitioners / representative

of the petitioners and after taking into consideration the request submitted by the petitioners.”

Point for Decision

Specific comments of the G B on the proposal for relaxation in the matter of promotion to scientists suggested by CMD as “All the four Scientists in ANERT shall be granted promotions as per CSIR promotion Rules by relaxing the screening / assessment process by invoking the relevant clause (9) in CSIR Rules, considering the fact that their routine responsibilities involve considerable project / technology management works rather than pure R&D works.”