



## GOVERNMENT OF KERALA

### Abstract

Health and Family Welfare Department - Kerala Health Systems Improvement Programme - Phased implementation of Climate Vulnerability & Preparedness Assessments, Carbon Audits and Energy Audits in all health care facilities across the State - Sanction accorded - Orders issued.

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### HEALTH AND FAMILY WELFARE (P) DEPARTMENT

G.O.(Rt)No.949/2026/H&FWD Dated,Thiruvananthapuram, 06-03-2026

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Read 1) G.O.(Ms)No.150/2023/Health dated 01.07.2023.

2) G.O.(Rt)No.2788/2024/H&FWD dated 19.11.2024.

3) G.O.(Rt)No.588/2025/H&FWD dated 28.02.2025.

### ORDER

As per Government Order read as 1<sup>st</sup> paper above, in-Principle sanction was accorded for implementing 'Kerala Health System Improvement Programme' with a total cost of Rs. 3000 crores with the assistance of World Bank. As per the Programme Appraisal Document for the implementation of Kerala Health System Improvement Programme, the Disbursement Linked Indicators (DLI) has to be implemented in a phased manner. Among the Disbursement Linked Indicators (DLI), DLI-11 indicator tracks the climate resilience of the health system and includes: (a) Vulnerability & preparedness assessments of Primary health facilities located in climate vulnerable areas; (b) energy needs assessments and carbon auditing of Primary health facilities; (c) adoption of climate adaptive resilient measures specific to respective climate shocks, including flooding, landslides, coastal storms & high heat; and (d) adoption of specific climate mitigation measures which includes energy efficiency, sustainable measures and solarization.

2) Climate change poses significant and growing risks to the health system through climate-induced shocks such as floods, landslides, extreme weather events, sea level rise etc. Health care facilities, particularly those located in climate-vulnerable districts, are increasingly exposed to service

disruptions, infrastructure damage and energy insecurity, adversely affecting the continuity and quality of essential health services.

3) In view of the above, strengthening health facilities to become green and climate-resilient has been identified as one of the key priority areas under the Kerala Health System Improvement Programme (KHSIP). Systematic, standardised and evidence-based assessments of climate vulnerability, preparedness, energy consumption and carbon footprint of health care facilities are critical to enable informed planning, prioritisation and implementation of effective climate adaptation and mitigation measures across the health system.

4) Under the Kerala Health System Improvement Programme (KHSIP), strengthening the climate resilience of primary health care facilities in climate-vulnerable districts has been identified as a Disbursement-Linked Indicator (DLI). As a prior action under this DLI, the assessment of a representative sample of 10% of primary health care facilities is mandated to establish baseline information on climate vulnerabilities, levels of preparedness and existing institutional capacities. Accordingly, it is proposed to undertake Climate Vulnerability and Preparedness Assessments, along with Carbon Audits and Energy Audits, in health care facilities.

5) The Climate Vulnerability & Preparedness Assessment shall be carried out using the Green and Climate Resilient (GCR) Assessment Checklist Tool developed by the National Centre for Disease Control (NCDC) under the National Programme on Climate Change and Human Health (NPCCHH). Carbon Audits shall be conducted using a standardised climate impact check-up tool aligned with the Greenhouse Gas (GHG) Protocol and the Intergovernmental Panel on Climate Change (IPCC) guidelines. Energy Audits shall be carried out through accredited external agencies, in accordance with applicable standards, guidelines and established procedures.

6) Although the Kerala Health System Improvement Programme (KHSIP), DLI primarily focuses on primary health care facilities in climate-vulnerable districts, Government have decided that the assessment activities shall be undertaken across all 14 districts and covering all categories of health care facilities in the State, in a phased manner, to ensure a comprehensive and uniform approach towards climate resilience in the health sector.

7) As per the State Action Plan on Climate Change (SAPCC) 2023–2030, of the 14 districts in the State, 9 districts have been classified as highly vulnerable, 2 districts as moderately vulnerable, and 3 districts as having low vulnerability. Considering the findings of both the composite and health-sector-specific vulnerability indices in SAPCC, 5 climate-vulnerable districts shall be identified for priority implementation under the programme. The assessment of 10% of health care facilities shall be undertaken in a manner that ensures adequate representation of health care facilities from districts classified under high and moderate vulnerability categories, in accordance with the SAPCC vulnerability classifications.

8) In view of the above, for the Phased implementation of Climate Vulnerability & Preparedness Assessments, Carbon Audits and Energy Audits in all health care facilities across the State, Government are pleased to issue instructions as per the following;

- Climate Vulnerability & Preparedness Assessments, Carbon Audits and Energy Audits shall be conducted in all categories of health care facilities across the State under the Kerala Health System Improvement Programme (KHSIP), in a phased manner.
- As a prior action under KHSIP, all three assessments covering 10% of health care facilities (PHCs, FHCs, CHCs and District Hospitals) in the identified climate-vulnerable districts shall be completed before the commencement of Kerala Health System Improvement Programme (KHSIP).
- All self-assessments relating to Green Climate Resilience (GCR) and Carbon Audits shall be completed within a period of six months from the date of issuance of this Government Order.
- Energy Audits, conducted through accredited agencies shall be completed adhering to approved procedures and timelines.
- Based on the findings of these assessments, appropriate climate adaptation and mitigation measures shall be identified and implemented during the first year of the programme, including the establishment of model climate-resilient health care facilities.

- The State Mission Director - National Health Mission (NHM), Director of Health Services, Director of Medical Education, and the Kerala Health System Improvement Programme (KHSIP) State Project Management Unit & Team lead shall ensure effective implementation of the assessments, capacity-building, training and timely completion of activities.
- District Medical Officers, District Programme Managers and Officers-in-Charge of Health Care Institutions shall be responsible for ensuring effective implementation and timely completion of all activities at the district level.

(By order of the Governor)  
Dr. Rajan Namdev Khobragade I A S  
ADDITIONAL CHIEF SECRETARY

To:

The Managing Director, Kerala Medical Services Corporation Ltd

The State Mission Director, National Health Mission

The Director, IIM, Kozhikkode

The Principal Accountant General (Audit) / (A&E), Kerala,  
Thiruvananthapuram

The Director of Medical Education , Thiruvananthapuram

The Director of Health Services, Thiruvananthapuram

All Members of Core Committee for KHSIP

All Members of Sectoral Committee for KHSIP

All Nodal Officers concerned

The Finance Department

Information Officer, Web & New Media

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Section Officer

Copy to:- PS to Hon'ble Minister, Health, Women and Child Department  
PA to Additional Chief Secretary, Health Department