

109 D. (1) Comprehensive screening and health management of sickle-cell anemia in tribal districts of Karnataka

Preamble:

The Aim of the proposed project is to support the Govt. of Karnataka to meet its target of screening 2.56 lakh population (as per census of 2011) in the 3 districts i.e., Mysuru, Chamarajanagar and Kodagu of Karnataka for the next 2 years as per Govt. of India National Sickle cell Eradication Mission.

Objectives:

- Screening & Confirmatory Testing of 2.56 Lakh Tribal Population across 3 Districts of Karnataka i.e., Mysuru, Chamarajanagar and Kodagu
- Comprehensive Care Delivery for Sickle-Cell Anemia patients (2.56 Lakh) in top 3 prevalent districts including IEC Content Development and Delivery via Awareness/ Sensitization Programmes to run frequently in every taluka, Orientation and training for Public Health Workers, Screening-Testing, Genetic Counselling, Treatment, Medication, other health tests, follow-ups etc. in coordination with public health system in Karnataka.
- Covering 238 Primary Health Centres (PHCs) in the 3 districts (Mysuru, Chamarajanagar and Kodagu) with equipping 422 High Performance Optical Spectroscopy devices which are used for testing and test kits for screening & confirmatory testing (including prognosis and disease management)

Progress: April – November 2024

- Committee members discussed about the progress of the Sickle Cell Anemia Project at Department of Applied Physics, IISc, Bengaluru.



- The IOCL senior leadership team, in collaboration with IISc and KSCST, inaugurated the Command Center for Sickle Cell Anemia Data at the Department of Instrumentation and Applied Physics, OMI Lab, IISc Bengaluru, on 11th November 2024.

- The Karnataka State Council for Science and Technology, in collaboration with the Chandana Project team from IISc and IOCL team, organized a visit to Malada Aadi in N-Belathur Grama Panchayat, Mysuru district. With the support of the grassroots community, they conducted a local traditional folk dance as part of an IEC activity to raise awareness about sickle cell anemia among the tribal community.



Field visit and activities under Comprehensive screening and health management of sickle-cell anemia in tribal districts of Karnataka

Executive Committee: For Information