Summary of Action Plan

IMMEDIATE MEASURES	
SECURING THE SITE AND PREVENTING ANNUAL SURFACE WATER RUNOFF	**THREE MONTHS**
Fencing and guarding of the UCIL site and landfill area within the SEP	Immediate
Stopping construction at the SEP area	Immediate
Measures to be taken to protect annual surface water runoff from the site during monsoon	Three months
EXCAVATION, RECOVERY AND CHARACTERISATION OF WASTE DUMPED AT THE UCIL SITE	**SIX MONTHS**
Clearing vegetation and dewatering the site	One month
Identification and refurbishment of a temporary storage area for excavated waste	Three months
Excavation and recovery of dump materials from already identified and new sites	Three months
Recovery of mercury present in drains, pan filters and soil with the help of local community	Three months
Characterisation and inventorisation of the collected waste for proper treatment and/or disposal	Six months
CHARACTERISATION AND INCINERATION OF THE STORED WASTE AT THE UCIL SITE	**SIX MONTHS**
Trial at the Pithampur incinerator with ten tonnes of similar waste from HIL, Kerala	Three months
Characterisation results of the stored UCIL waste to be made public; if required, further characterisation and inventorisation to be done in parallel with the trials	Three months
Waste with high calorific value and hazardous in nature to be incinerated with continuous stack monitoring; remaining waste to be dealt with suitable decontamination/remediation measures	Six months
MEDIUM- AND LONG-TERM MEASURES	
GROUNDWATER CONTAMINATION ASSESSMENT AND REMEDIATION OUTSIDE THE UCIL SITE	**TWO TO THREE YEARS**
Field investigation and lab analysis of the groundwater	One year
Possibility of hydraulic containment to be explored as an interim measure	Six months to one year
Remediation/containment plan to be developed and implemented	Two to three years
CHARACTERISATION AND REMEDIATION OF WASTE DUMPED IN LANDFILL IN THE SEP AREA	**ONE TO TWO YEARS**
Characterisation of waste and development of a basket of disposal/decontamination/remediation options	One year
Disposal/remediation of the waste and decontamination of the landfill area	One to two years
REMEDIATION OF ENTIRE SEP AREA	**THREE TO FIVE YEARS**
Assessment of the need of geohydrological and contamination analysis based on previous reports	Three months
If required, SEP to be studied for waste characterisation and source of groundwater contamination	One year
Development and implementation of the remediation plan keeping residential purpose in mind	Three to five years
DETOXIFICATION, DISMANTLING AND DECOMMISSIONING OF UCIL PLANT, MACHINERY AND STRUCTURE	**TWO YEARS**
MIC plant including the vent, vent scrubber, storage tanks and control room to be strengthened and preserved	Two years
Remaining parts of the site to be decontaminated, dismantled and decommissioned as recommended by IICT	Two years
REMEDIATION AND FATE OF THE UCIL SITE	**THREE TO FIVE YEARS**
Geohydrological and contamination studies for the site based on stratified judgmental sampling	Two years
Development of a basket of decontamination/disposal methods accordingly	Two to three years
Remediation plan based on future use as a memorial and a centre of excellence	Two to three years
An international competition on master planning for conversion of the site	One year
Implementation of the remediation plan and conversion of the site to a memorial and a centre of excellence	Three to five years