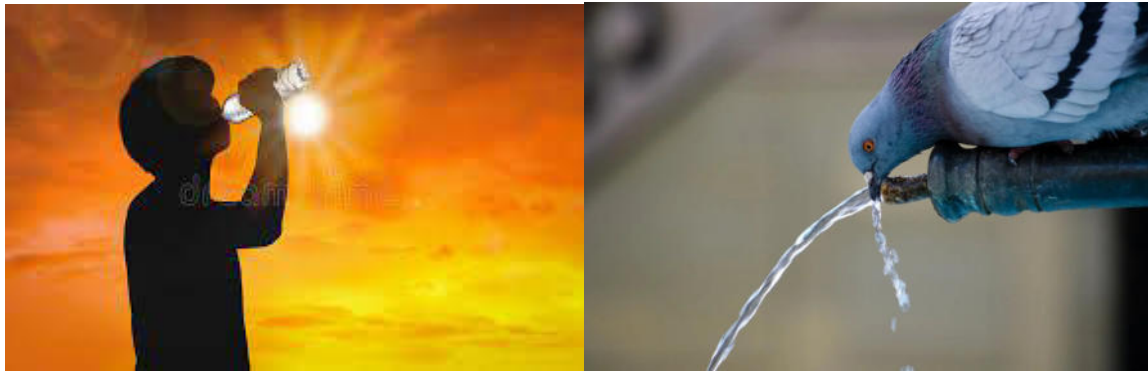




# Heat Wave Action plan 2023 For Mayurbhanj



**Prepared by:**  
**District Disaster Management Authority Mayurbhanj**

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AAO	: Assistant Agriculture Officer
ACSO	: Assistance Civil Supply Officer
ADMO	: Additional District Medical Officer
ADVO	: Additional District Veterinary Officer
AIR	: All India Radio
ASHA	: Accredited Social Health Activist
BEO	: Block Education Officer
CBDM	: Community Based Disaster Management
CCI	: Child Care Institution
CDAO	: Chief District Agriculture Officer
CDMO	: Chief District Medical Officer
CDVO	: Chief District Veterinary Officer
CHC	: Community Health Centre
CSO	: Civil Supply Officer
DEO	: District Education Officer
DLO	: District Labour Officer
DMR	: Digital Mobile Radio
DPC-SSA	: District Project Coordinator, Sarva Shiksha Abhiyan
DPM	: District Programme Manager
DRDA	: District Rural Development Agency
DSSO	: District Social Security Officer
DSWO	: District Social Welfare Officer
EWD	: Early warning dissemination
EWDS	: Early Warning Dissemination System
HAP	: Heatwave Action Plan
I & PR	: Information & Public Relation
IDRN	: India Disaster Resource Network
IMD	: India Meteorological Department
IMD	: India Meteorological Department
LI	: Labour Inspector
LI	: Livestock Inspector
MI	: Marketing Inspector
MO	: Medical Officer
MVI	: Motor Vehicle Inspector
OSPCB	: Odisha State Pollution Control Board
PHC	: Primary Health Centre
RTO	: Regional Transport Officer
RTU	: Remote Terminal Unit
SBMDVT	: Satellite Based Mobile Data Voice Terminal
SI	: Supply Inspector
VAW	: Village Agriculture Worker
MPY	: Matsya Pokhari Yojana
PMMSY	: Pradhan Mantri Matsya Sampada Yojana
VHND	: Village Health Nutrition Day

RI	: Routine Immunization
RI	: Revenue Inspector
ANM	: Auxiliary Nurse Midwife
NCLP	: National Child Labour Project
MGNREGS	: Mahatma Gandhi National Rural Employment Guarantee Scheme
OPWD	: Odisha Public Work Department
PWSS	: Pipe Water Supply Scheme
WUA	: Water User Association
SNP	: Supplementary Nutrition Programme
MOFS	: Ministry of Earth Sciences
WRF	: Weather Research & Forecasting
GFS	: Global Forecast System
GEFS	: Global Ensemble Forecast System
NCUM	: National Center for Medium Range Weather Forecasting
GIS	: Geographic Information System
SRO	: Special Relief Organisation
IEC	: Information Education Communication
ORS	: Oral Rehydration Solutions
ARD	: Animal Resources Development
VD	: Veterinary Dispensaries
LAC	: Livestock Aid Center
NGO	: Non-Govt. Organisation
CBO	: Community Based Organisation
NGT	: National Green Tribunal

# Chapter-1

## INTRODUCTION

### **Rationale for Preparation of Heat Action Plan (HAP)**

Odisha has a history of Heat Waves with soaring temperatures being recorded in several parts of the state. About 2042 people died in the State in the year 1998 due to Heat Wave. Casualties related to Heat Wave were experienced by the state again in 2005 when 236 lives were lost. There could have been many possible reasons including growing urbanization, rising population and industrialization. The problem is further going to be magnified due to climate change. According to the estimates, the situation is likely to worsen in the coming years; the World Meteorological Organization (WMO) predicts heat related fatalities will double in less than 20 years. The situation demands that the policy makers and researchers revisit and strengthen the current HAP. Till date, the Heat Wave measures have been mostly preventive in nature. However, prolonged summers, increased temperature and climatic changes require designing adaptive measures and building resilience in the informal sector (vulnerability assessment and alternate livelihood generation of the vulnerable population) along with the preventive actions. Under these circumstances, adaptation is a key response strategy to minimize potential deaths and other adverse effects on health due to Heat Waves (NDMA Guideline 2019).

### **Heat wave Definition**

Heat wave is defined based on the temperature thresholds over a region in terms of actual temperature or its departure from normal. It is a condition where air temperature becomes fatal to human body when exposed. The World Meteorological Organization (WMO) defines a Heat Wave as 'five or more consecutive days during which the daily maximum temperature exceeds the average maximum temperature by five degrees Celsius'. Again, depending on the upper deviation from the normal temperature it can be moderate Heat Wave or Severe Heat Wave ([www.imd.gov.in](http://www.imd.gov.in))

As per India Meteorological Department (IMD) classification, Heat Wave is considered if maximum temperature of a station reaches at least 40°C or more for plains, 37°C or more for coastal stations and at least 30°C or more for hilly regions. Following criteria are used to declare a Heat Wave:

Based on Departure from Normal

◆ **Heat Wave:** Departure from normal is 4.5°C to 6.4°C

◆ **Severe Heat Wave:** Departure from normal is >6.4°C

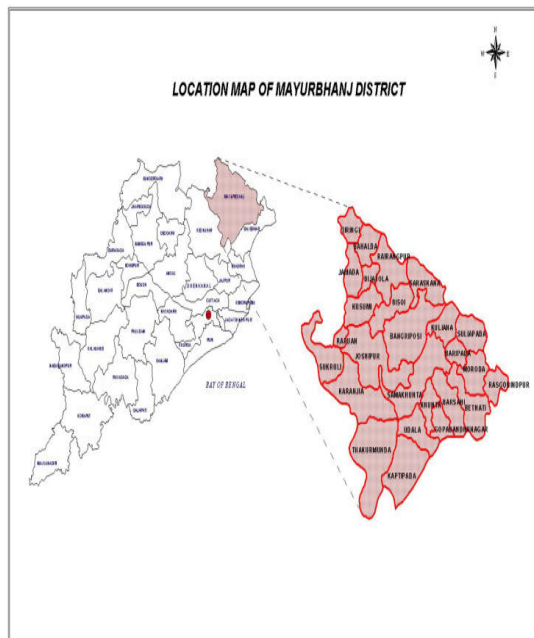
Based on Actual Maximum Temperature (for plains only)

◆ **Heat Wave:** When actual maximum temperature  $\geq 45^\circ\text{C}$

◆ **Severe Heat Wave:** When actual maximum temperature  $\geq 47^\circ\text{C}$  To

declare a Heat Wave, the above criteria should be met at least at two stations in a Meteorological sub-division for at least two consecutive days. A Heat Wave will be declared on the second day. Higher peak temperatures daily and longer and acute Heat Waves are becoming increasingly frequent globally due to climate change

## District Scenario



Mayurbhanj is a land locked district with a total geographical area of 10418 Sq.km. and is situated in the Northern boundary of the state with district headquarters at Baripada. The district is bounded in the North-East by Medinipur district of West Bengal, Singhbhum district of Jharkhand in the North-west, Baleswar district in the South-East and by Kendujhar in the South-West. More than 39 % of total geographical area (4049 Sq.Km.) is covered with forest and hills. The district comprises of 4 numbers of Sub-divisions with 26 nos of blocks with 404 Gram Panchayats and 3966 villages.

The district experience high humidity in the month of April to June in each year. The Average temperature exceeds more than 40 degrees during the peak of April & May. Due

to Heatwave situations, there were 43 nos of death incidents reported in the District in the last 10 years. Apart from the severe heat wave situation in 1998, the district again faced the highest nos of human losses in the year 2005 -06 and again in the year 2012-13 in which 14 & 11 losses of human life occurred respectively. There are also 57 nos of human deaths reported in 2017 due to heat wave situations.

### Objective

The Heat Action Plan aims to provide a framework for implementation, coordination and evaluation of response activities in cities/ town to reduce the negative impacts of extreme heat. The primary objective is to spread awareness at places where extreme heat conditions exist or are imminent and alert people at risk of heat related illnesses to take appropriate precautions. The Plan also calls for preparedness measures to protect livestock/ animals as extreme heat causes significant stress to them as well. The Heat Action Plan intends to mobilize different stakeholders like government authorities and communities to help protect their neighbors, friends, relatives, livestock and themselves against preventable health problems during spells of scorching temperatures. The Plan also aims to support early warning agencies as well as the media for timely information dissemination.

## Geo-physical Settings of Mayurbhanj

**Demography:** The District Mayurbhanj had a total household of 586253 out of which 542726 households belongs to Rural households and 43527 households belongs to urban households. The District had a total population of 2519738 population which is the 3rd highest populated district in the state as per 2011 census. The SC population is 184682 ( 7.3 % ) and ST population 1479576 ( 58.7% ) and rural population covers around 92 % of total population. The density is 242 sa km as against 27 personsq km of the state.

**Geography:** The geography of the Mayurbhanj divided into three natural divisions. The first one being the hilly terrains that cover the centre of the district running across most of the region. Mostly consisting the simlipal mountains, the hill divides the district into the rest two separate geographical regions, western and Eastern. the Eastern part is made up of fertile slopes that stretch from the foot hills to the sea. The western part is mainly made up of plain lands with gentle slopes and rocky hills. The northern portion of this western division is very fertile for extensive cultivation. The district is 559.31 metres above the sea level.

**Topography:** The topography of Mayurbhanj district is marked by hills and undulating plains. The most dominant feature of the topography of the Mayurbhanj district is the Simlipal Range. This is the central part of the district covered by a group of hills. The remaining portion is covered by undulating plains raising and falling in gentle slopes. Precisely the district may be divided into three distinct natural divisions. The central hill ranges as dividing line running due to south and dividing the plains of the district into two halves Eastern and western. Mayurbhanj is a land of verdant forests. Its vegetation can be broadly divided into

- a) North tropical moist deciduous sal forests.
- b) Northern tropical semi-evergreen forests.
- c) Mixed deciduous hill forests.
- d) High level sal.
- e) Dry deciduous Sal forests.
- f) Plainsal forests.
- g) Grassland and savannah

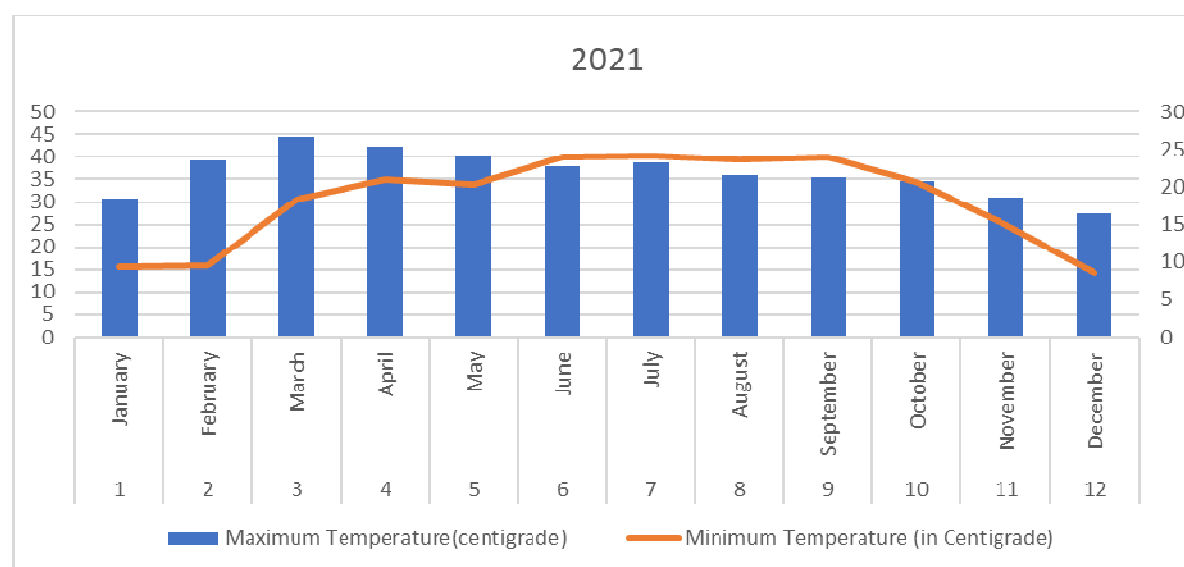
The summer season in Mayurbhanj commences in March and stretches till June. The temperatures are quite high during this time and the sun is very harsh. The maximum temperature of Mayurbhanj, in the summer season, goes well above 44 degrees Celsius. The pattern of Heat Wave experiences more dry heat.



## Last Two years temperatures Data Base

Maximum and minimum Temperature recorded in 2021

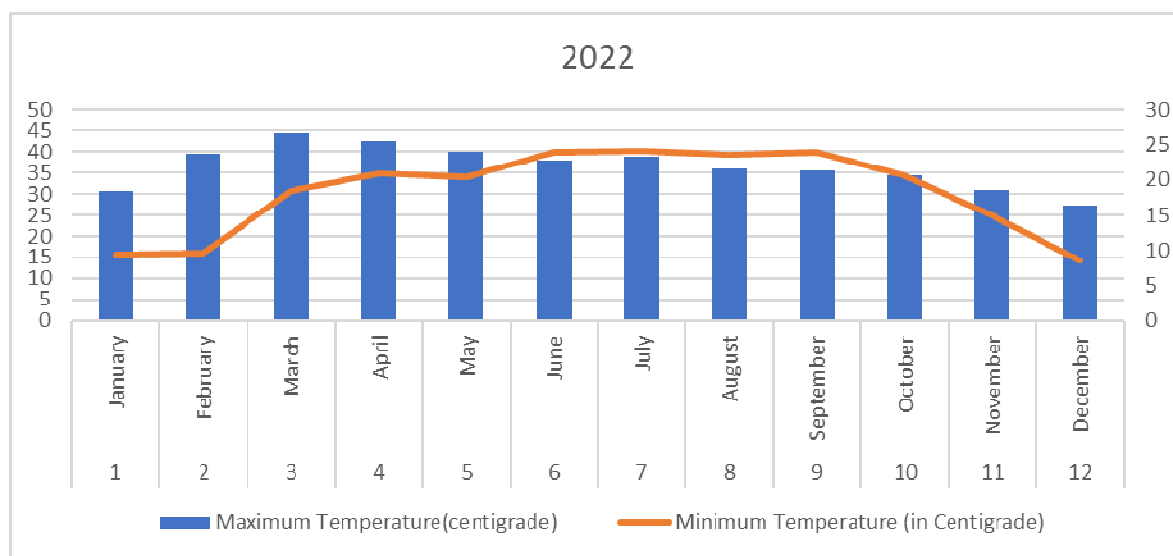
Sl. No	Month	Maximum Temperature(centigrade)	Minimum Temperature (in Centigrade)
1	January	30.6	9.4
2	February	39.4	9.6
3	March	44.6	18.4
4	April	42.4	21
5	May	40	20.4
6	June	38	24
7	July	38.8	24.2
8	August	36	23.6
9	September	35.5	24
10	October	34.5	20.6
11	November	31	15
12	December	27.4	8.5



Maximum and minimum Temperature recorded in 2022

Sl. No	Month	Maximum Temperature(centigrade)	Minimum Temperature (in Centigrade)
1	January	30.6	9.4
2	February	39.4	9.6
3	March	44.6	18.4
4	April	42.4	21
5	May	40	20.4

6	June	38	24
7	July	38.8	24.2
8	August	36	23.6
9	September	35.5	24
10	October	34.5	20.6
11	November	31	15
12	December	27.4	8.5



Key Strategies Severe and extended Heat Waves can also cause disruption to general, social and economic services. Government agencies will have a critical role to play in preparing and responding to Heat Waves at the local level by working closely with health and related departments on a long- term strategic plan.

Establish Early Warning and Communication System

Developing inter- agency response plan and coordination in field

Preparedness at the local level for health eventualities

Capacity building of health care system | Public awareness and community outreach

Collaboration with private, non-government and civil society organizations

Assessing the impact- feedback for reviewing and updating the plan.

**Administrative Setup:**

Mayurbhanj District is divided into four administrative sub-divisions namely Sadar sub-division with headquarters at Baripada; Bamanghaty sub-division with head quarters at Rairangpur; Panchpir sub-division with headquarters at Karanjia and Kaptipada sub-division with headquarters at Udala. The district is divided into 26 Community Development blocks, 404 Gram Panchayats, 3950 Villages, 32 Police stations. . The number of Lok Sabha and Assembly seats for the district is 1 and 9 respectively.

Administrative setup of the District			
No. of Sub-Divisions :	4	No. of Tehsils :	26
No. of Municipalities:	2	No. of N.A.Cs :	2
No. of Blocks :	26	No. of Police Stations :	32
No. of Gram Panchayats :	404	No. of Inhabited Villages :	3748
No. of Uninhabited Villages :	202	No. of villages :	3950

## Chapter-2

### District at a Glance

Sl No	Particulars	No	Remarks
1	No of Villages	3982	
2	Total Population	2519738	
3	Male	1256213	
4	Female	1263525	
5	Children	237468	
6	No of Blocks	26	
7	No. of Gram panchayat	404	
8	No. of Tehsil	26	
9	No. of RI circle	312	
10	No. of Police Stations	32	
11	No. of Fire Stations	26	
12	No. of Urban Local Bodies	4	
13	No. of Sub-centres	589	
14	No. of PHC	82	
15	No. of CHC	28	
16	No. of Sub-Divisional Hospital	3	
17	No. of Veterinary hospitals	42	
18	No. of Anganwadi Centres	5153	

19	No. of ASHA	3345	
20	No. of Colleges	132	
21	No. of Schools	5045	
22	No. of Odisha Adarsh Vidyalaya	26	
23	No. of Rural Water Supply system	582	
24	No. of Tube Wells	31263	
25	No. of tube well Functional/running	31019	
26	No. of tube well dysfunctional but repairable	244	
27	No. of Mega Water Supply	5	
28	No. of tube well having solar power	685	
29	No. of Temporary Shelters	153	
30	No. of Night Shelters	26	

## **Occurrence of Heat Wave**

The Heat Waves over Mayurbhanj generally occur during the summer season which commences in March and stretches until June/July. The maximum temperature during this period goes well above 40<sup>0</sup> C. Heat Wave pattern differs from region to region, coastal area of the state experiences humid heat and western part experiences more dry heat.

**Death due to stroke Occurs between 2014 to2022 in Mayurbhanj  
District**

<b>Sl No</b>	<b>Year</b>	<b>Death</b>
<b>1</b>	<b>2014</b>	<b>5</b>
<b>2</b>	<b>2015</b>	<b>3</b>
<b>3</b>	<b>2016</b>	<b>2</b>
<b>4</b>	<b>2017</b>	<b>7</b>
<b>5</b>	<b>2018</b>	<b>2</b>
<b>6</b>	<b>2019</b>	<b>4</b>
<b>7</b>	<b>2020</b>	<b>0</b>
<b>8</b>	<b>2021</b>	<b>2</b>
<b>9</b>	<b>2022</b>	<b>0</b>

# Chapter -3

## EARLY WARNING DISSEMINATION

### **3.1: Forecast and Issuance of Heat Wave Alert by IMD:**

India Meteorological Department (IMD), Ministry of Earth Sciences, is the nodal agency for providing current and forecast weather information, including warnings for all weather-related hazards for optimum operation of weather-sensitive activities. It provides warning against severe weather phenomena like tropical cyclones, squally winds, heavy rainfall/ snow, thunder-squall, hailstorm, dust storms, Heat Wave, warm nights, fog, cold wave, cold night, ground frost, etc. It also provides real-time data and weather prediction of maximum temperature, Heat Wave, extreme temperatures and heat alerts for vulnerable cities/rural areas.

IMD has a big network of surface observatories covering entire country to measure various meteorological parameters like Temperature, Relative humidity, pressure, wind speed & direction etc. Based on daily maximum temperature station data, climatology of maximum temperature is prepared for the period 1981-2010 to find out normal maximum temperature of the day for the particular station. Thereafter, IMD declares Heat Wave over the region as per its definition. IMD issues temperature forecast & warnings in following range:

- a) Short to medium range (lead time/validity of 1 to 5 days)
- b) Extended range (lead time/validity upto 4 weeks)
- c) Seasonal range (lead time/validity upto 3 months)

IMD predicts Heat Wave based on synoptic analysis of various meteorological parameters and from the consensus guidance from various regional & global numerical prediction models like, WRF, GFS, GEFS, NCUM, UMEPS, UM Regional etc. available at Ministry of Earth Sciences (MoES) and other international models accessible under bilateral multi-institutional arrangement

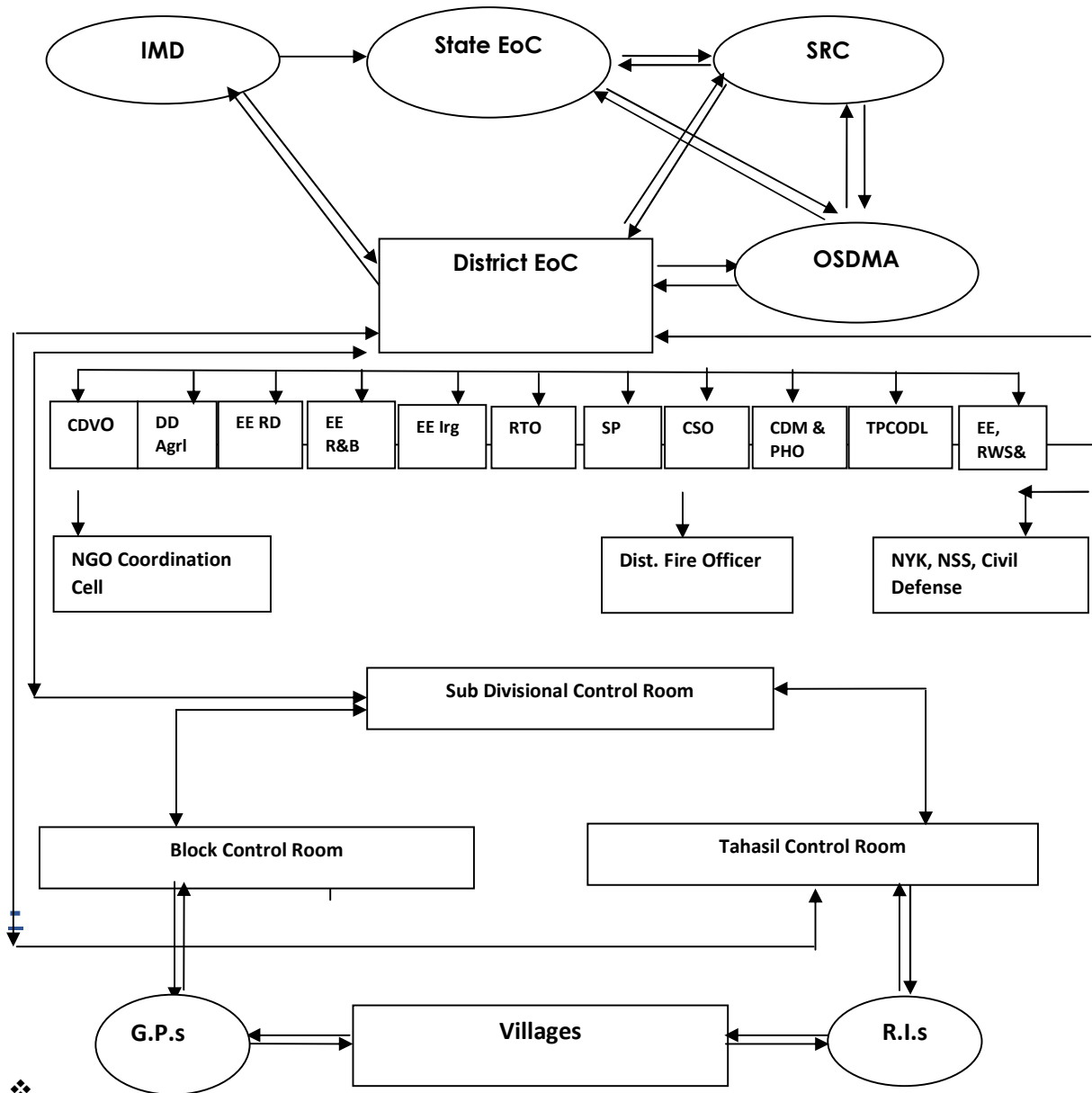
A common man may get Heat Wave information from, All India Weather Forecast Bulletin (<https://mausam.imd.gov.in>) and special Heat Wave guidance bulletins ([http://internal.imd.gov.in/pages/heatwave\\_mausam.php](http://internal.imd.gov.in/pages/heatwave_mausam.php)) every day from 1 April to 30 June.

The Heat Wave information is shared with concerned State Government Authority, Media and other stakeholders like Indian Railway, Health departments, Power Sector etc. The general public is informed through Print & Electronics Media. IMD issues forecasts and warnings for all weather-related hazards in short to medium range (valid for the next five days) every day as a part of its multi-hazard early warning system. These warnings, updated four times a day, are available at <http://www.imd.gov.in/pages/allindiawxforecastbulletin.php>.

A new system of exclusively heat-related warnings has been introduced with effect from 03 April 2017. These warnings, valid for the next 5(five) days, are issued around 1600 hours IST daily and are provided to all concerned authorities (Departments of

Health, Disaster Management, Indian Red Cross and Indian Medical Association, NDMA etc.) for taking suitable action at their end. A bulletin in extended range with outlook for the next two weeks (for all hazards including Heat Wave) is issued every Thursday (available at <http://www.imd.gov.in/pages/extended.php>).

**Information flow chart from District Emergency Operation Center (DEoC) to Villages with early warning**



## **Information Dissemination of Heat Wave Warning:**

- ❖ On receipt of warning messages relating to Heat Wave from I.M.D. / SRC / OSDMA and other higher quarters the District Control Room shall make necessary arrangements to alert the subordinate offices connected with management of calamity adopting necessary measures to combat the heat wave situation to keep the people alert.
- ❖ The warnings shall be disseminated through e-mail, Phone, District What's app Groups, Special messenger. The report on **Heat Wave casualty** should be reported immediately by the Tahasildar and Medical Officers to the District Emergency Control Room for onward transmission to higher quarters. In case of any causality, it shall be instantly reported to the DEOC by Tahasildars and thereafter joint enquiry report to be submitted within 24 hours and through DAMPs.
- ❖ Colour Code for Heat Wave Warning is given below:

### **3.2: Monitoring Heat wave by DDMA**

Based on IMD observations, heat conditions of District are analyzed on a daily basis by DDMA from March-June every year. Maximum temperature map of the state is prepared on GIS platform. The information is disseminated to the different stakeholders through social media.

- Call for a preparatory meeting in the month of March.
- Issue directions to all line departments to take appropriate actions and when required.
- Overall monitoring of the situation in the district.
- Ensure functioning of Control Rooms in all concerned offices.
- Conduct review meeting with all stakeholders if situation arises.

### **3.3: Information Dissemination through SATARK Application:**

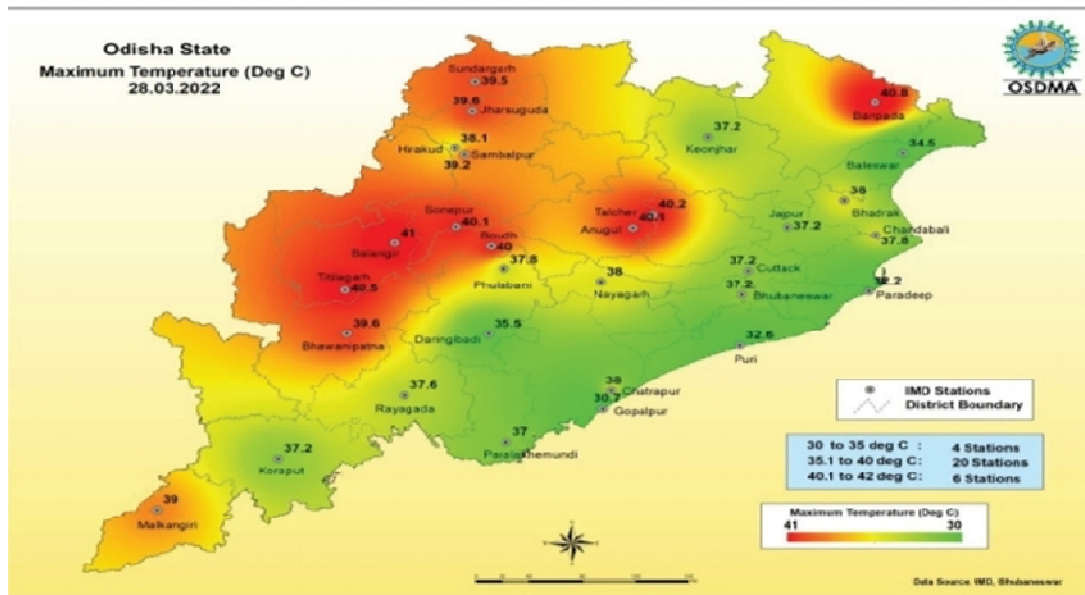
SATARK is a decision support system based on the Web / Smartphone that helps to provide early warning information for different risks. It is an application developed by OSDMA in collaboration with RIMES. Once a person downloads the app and gives the location, he / she shall receive Block level & location specific alerts through Mobile App, E-Mail, SMS and other available sources.

The link is

[https://play.google.com/store/apps/details?id=satark.app.io.ionic&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=satark.app.io.ionic&hl=en_IN&gl=US)



<b>Color Code</b>	<b>Alert</b>	<b>Warning</b>	<b>Impact</b>	<b>Suggested Actions</b>
Green (No action)	Normal Day	Nil	Comfortable temperatures	No cautionary action required
Yellow Alert (Be updated)	Heat Alert	Heat wave conditions at district level, likely to persist for 2 days	Heat is tolerable for general public but moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.	Avoid heat exposure
Orange Alert(Be prepared)	Severe Heat Alert for the day	<p>i. Severe heat wave conditions likely to persist for 2 days.</p> <p>ii. With varied severity, heat wave is likely to persist for 4 days or more.</p>	<p>Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.</p> <p>High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.</p>	Avoid heat exposure– keep cool. Avoid dehydration
Red Alert (Take Action)	Extreme Heat Alert for the day	<p>i. Severe heat wave likely to persist for more than 2 days.</p> <p>ii. Total number of heat/ severe heat wave days likely to exceed 6 days.</p>	Very high likelihood of developing heat illness and heat stroke in all ages.	Extreme care needed for vulnerable people.



## **Chapater - IV**

### **PREPAREDNESS MEASURE**

#### **4.1 Standard Operating Procedure:**

##### **1. Collector -cum- Chairman District Disaster Management Authority (DDMA)**

- Call for a preparatory meeting in the month of March.
- Issue directions to all line departments to take actions and when required.
- Overall monitoring of the situation in the district.
- Ensure functioning of Control Rooms in all concerned offices.
- Conduct review meeting with all stakeholders if situation arises.

##### **2. CDO-Cum-EO, Zilla Parishad:**

- Issue direction to the BDOs for proper provision of water in water scarcity pockets through tanker
- Proper maintenance of tube wells in the rural pockets
- Instruct the BDOs to ensure that technicians are attending the call from the villages to repair the defunct tube wells.

##### **3. Dist. Emergency Operation Center**

- Conduct of meeting at district level for review the preparedness by the Line departments.

- Preparation of Heat Action Plan & sharing to the Line Departments.
- Ensure opening of Control Room from 1st April for the summer season in all concerned offices
- Issue of instruction for preparation of Departmental plans to combat the situation and sharing the same with the DEOC
- Functioning of control room round the clock.
- Dissemination of warnings received from IMD / SEOC to the lower quarter.
- Collection of daily situation reports & transmission to higher quarter.
- Create Awareness through posters / leaflets supplied by OSDMA.
- Action for payment of Ex-gratia at the earliest.
- Grievance resolution.
- Over all monitoring of the situation.

#### **4. Chief District Medical & Public Health Officer**

- Control Rooms to be opened at DHH, SDH and CHCs
- Create awareness activities
- All CHCs are to be kept in readiness with Air Conditioners / Coolers and power backups and sufficient ORS & IV fluid
- At DHH, special rooms & beds to be kept ready for heat stroke patients.
- Earmark one bed in each CHC for Heat Stroke patients. The room must be attached with A/C or Cooler.
- Capacity building of Doctors, Nurses, Pharmacists & Health Workers etc.
- Training of 108 Ambulance workers and Mobile Health Units for management of heat related cases.
- Display of Do's & Don'ts of Heat waves on Swathya Kantha of Villages / posters in public congregation places
- Orientation of Doctors & medical staffs dealing with heat distress patients.
- Stock piling of sufficient lifesaving medicines, ORS packets, Ice packs & IV fluids at DHH and supply to the PHCs & CHCs.
- Arrangement of cold drinking water in the hospitals.
- Adequate supply of ORS to the ASHAs, Health Workers & Anganwadi Workers.
- Mobile health unit must be kept in ready for the service.
- Keep ambulances ready for transportation & referral of heat stress patients.
- Joint Enquiry report by the Local Revenue Officer & Medical Officer on every death due to sunstroke within 48hrs.

#### **5. Chief District Veterinary Officer**

- Information Education & Communication (IEC) activities for Animal Care during heat for Livestock farmers
- Activate field staff to create awareness among the Livestock farmers on the Animal Management during Heat Wave conditions.
- Stock piling of required Medicines
- Orientation of veterinary officials on diagnosis and management of heat related illness.
- Ensure creating of water Chahala / VAT near the tube wells / water ponds where ever necessary for use of Cattles in consultation with concerned BDOs.

- Mobile veterinary Teams to be formed in different blocks to treat the livestock
- Make aware the fish farmers to maintain the water level in the ponds before summer.
- Provision of shed nets over the ponds.

**6. District Education Officer / Dist. Welfare Officer / Dist. Child Protection Officer**

- Reschedule school timing as per the department direction.
- Instruct all parents to send their child with water bottles and umbrellas to the school
- Ensure that the students are taking water in regular intervals
- Ensure Avoiding physical activities during school hours.
- Promote School Safety Plan in the schools.
- Provision for safe drinking water, ice packs, ORS etc. at schools & examination centers.
- Completion of all examinations by end of March.
- Awareness creation among students how to overcome heat stress disorders
- Ensure provision of drinking water in those schools where water problem persists

**7. District Social Welfare Officer:**

- Orient the CDPOs & supervisors on heat stress management
- Educate young girls and mothers regarding the dangers of Heat Waves, its related health impacts and the precautionary measures to be taken.
- Display IEC materials at Anganwadis and encourage Integrated Child Development Scheme (ICDS) workers to disseminate Heat Wave related information with special focus on infants, children below five years, pregnant and lactating mothers, and geriatric population to protect them from dehydration.
- Provision of drinking water and first aid kits at all the Anganwadi Centers, old age homes, orphanages.
- Sensitization of community on heat wave at Kishore Swasthya Mela, Village Health & Nutrition Day and other similar community gatherings
- Conduct Awareness campaign & distribute IEC materials for public display and awareness

**8. District Panchayat Officer:**

- Intimate all Gram Panchayats & Zilla Parishad members to create awareness among PRIs / Ward Members etc.

**9. District Fire Officer:**

- Remain alert with man and machine to tackle any untoward incidents due to fire in rural as well as urban areas.
- Conduct awareness camps in market places as urban fire is happening now a day
- If required sprinkle water in places where birds congregate in consultation with Forest officer.

#### **10. RWS&S / WATCO / PHED:**

- Identification of water scarcity pockets
- Provision of safe drinking water through water tankers in water scarcity pockets
- Coordination with TPCODL for necessary power supply to the water lifting points.
- Procurement of spare parts for necessary repair of defunct tube wells
- Hiring of Tankers / Storage Tanks to provide water to water scarcity pockets.
- Junior Engineer II along with SEMs need to be in alert to attend the defunct tube wells in Rural Area within 48 hrs.

#### **11. TPCODL**

- Create awareness for energy conservation.
- Repair of defunct machines for power supply.
- Uninterrupted supply of electricity during day time.
- Power cut timing should be reduced to evening.
- If more time required for any repair work, the power cut time must be announced one day before.
- Power cut timings must be informed to the people well in advance.
- Line men should obey the guidelines to avoid heat stress.
- Transformers may be kept in readiness for necessary replacement.
- Complaints regarding power supply issues should be attended immediately.
- Accessories or instruments should be kept stocked for any immediate repair.
- Steps should be taken to provide sustained electricity supply to ensure regular water supply.

#### **12. District Labour Officer / Asst. Director (F&B)**

- Issue a direction to the implementing agencies, executants of public works and private employers for rescheduling the working hours to avoid exposure of labourers / workmen from 1st April.
- Ensure restriction of working hour from 11.00 AM to 03.00 PM.
- Ensure temporary shades are made at work sites.
- Ensure arrangements like safe drinking water, First Aid & protection from heat exposure etc. are provided at work place.
- Restriction of child labour at worksite.

#### **13. Regional Transport Officer:**

- Rescheduling of bus timing of the bus running at the peak period.
- Ensure buses are not overcrowded.
- Ensure provision of potable water, ORS packets & First aids have been made available in public transport vehicles.
- Issue of directives for non-transportation of people in the open transport vehicles
- Strictly restrict the bus owners not to ply passengers over the roof top of bus during peak hours.

#### **14. Block Development Officers**

- Awareness Campaigning & public announcement about the do's and don'ts issued by the department of Health and family welfare & OSDMA.
- Ensure safe drinking water for all.
- Restrict the MGNREGA workers to work from 11.00 AM to 03.00 PM.
- Issue directions to the contractors to provide shelter at worksites and provide drinking water facility in worksites.
- Encourage for alternative livelihoods.
- A complaint registers to be maintained to receive the complaints regarding the non-functional Tube wells.
- Defunct tube wells need to be repaired at the earliest. Complaints regarding defunct tube wells needs to be attended immediately.
- Opening of Paniya Jala seva Kendra in public gathering places. Involve NGOs in opening the Paniya Jala seva Kendra in different public congregation places.
- Ensure participation of PRIs in creating awareness in their respective jurisdiction.

#### **15. Tahasildars:**

- Prompt reporting of the heat wave death cases if any to the DEOC.
- Joint Enquiry report by the Local Revenue Officer & Medical Officer on every death due to sunstroke within 48 hrs.
- In case of confirmed death, the same should be immediately uploaded in DAMPs.

#### **16. Executive Officers, Municipalities and NACs:**

- Ensure safe drinking water for all in Municipalities & ULBs.
- Provision of drinking water through tankers in water scarcity pockets.
- Instruct the NGOs / Bus Owners Association to open Paniya Jala seva Kendra in bus stands and market places
- Keep parks open during peak hours to provide cool resting spaces for the public.
- Construction of heat resistant buildings at public places for long run prevention.
- Opening of Paniya Jala seva Kendra in public gathering places. Involve NGOs/CSOs in opening the Paniya Jala Seva Kendras in different public congregation places.
- Defunct tube wells need to be repaired at the earliest. Complaints regarding defunct tube wells needs to be attended immediately.

## 4.2 Awareness and IEC activities

### DEALING WITH HEAT RELATED ILLNESS

#### Prevention of Heat Related Illness

Heat waves characterized by long duration and high intensity have the highest impact on morbidity and mortality. The impact of extreme summer heat on human health may be exacerbated by an increase in humidity. There is growing evidence that the effect of heat wave on mortality is greater on days with high levels of ozone and fine particulate matter. Global climate change is projected to further increase the frequency, intensity and duration of heat waves and attributable death (WHO).

Heat related illness is avoidable. It can be best prevented if the vulnerable populations/communities are made aware of prevention tips, basic Do's and Don'ts through effective use of various media. Knowledge of effective prevention and first-aid treatment, besides an awareness of potential side-effects of prescription drugs during hot weather, is crucial for physicians and pharmacists to best mitigate the effects of heat illnesses.

**Table 1. Spectrum of Heat Related Illness**

<b>Heat Related Illness</b>	<b>Clinical Presentation</b>	<b>Treatment</b>
Heat edema	<ul style="list-style-type: none"><li>• Milds welling of feet, ankle and hands</li><li>• Appears in few day s of exposure to hot environment</li><li>• Does not progress to pre tibial region</li></ul>	<ul style="list-style-type: none"><li>• Usually resolves spontaneously within days to 6 weeks</li><li>• Elevate leg</li><li>• Compressive stocking</li><li>• Diureticsarenoteffective</li></ul>
Prickly Heat	<ul style="list-style-type: none"><li>• Pruritic, maculopapular, erythematous rash normally over covered areas of body</li><li>• Itchiness</li><li>• Prolonged or repeated heat exposure may lead to chronic dermatitis</li></ul>	<ul style="list-style-type: none"><li>• Antihistamine</li><li>• Wear clean, light, loosefitting clothing</li><li>• Avoid sweat generating situations</li><li>• Chlorhexidine in a light cream or lotion base</li><li>• Calamine lotion</li></ul>

Heat Cramps	<ul style="list-style-type: none"> <li>• Painful, involuntary, spasmodic contractions of skeletal muscle (calves, thighs and shoulder)</li> <li>• Occur in individuals sweating profusely and only drinking water or hypotonic solutions</li> <li>• Limited duration</li> <li>• Limited to certain muscle group</li> </ul>	<ul style="list-style-type: none"> <li>• Fluid and salt replacement (IV or oral)</li> <li>• Rest in cool environment</li> </ul>
Heat Tetany	<ul style="list-style-type: none"> <li>• Hyperventilation</li> <li>• Extremity/s and circum oral paresthesia</li> <li>• Carpopedal spasm</li> </ul>	<ul style="list-style-type: none"> <li>• Calm the patient to reduce respiratory rate</li> <li>• Remove from hot environment</li> </ul>
Heat Syncope	<ul style="list-style-type: none"> <li>• Postural hypotension</li> <li>• Commonly in non-acclimatized elderly</li> </ul>	<ul style="list-style-type: none"> <li>• Rule out other causes of syncope</li> <li>• Removal from hot environment</li> <li>• Rest and IV drip</li> </ul>
Heat Exhaustion	<ul style="list-style-type: none"> <li>• Headache, Nausea, Vomiting</li> <li>• Malaise, Dizziness</li> <li>• Muscle cramps</li> <li>• Temperature &lt; 40°C or normal</li> <li>• May progress to heatstroke if fails to improve with treatment</li> <li>• No CNS involvement</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the patient from heat stress area</li> <li>• Volume replacement</li> <li>• If there is no response to treatment in 30 minutes, then aggressively cool the patient to core temperature of 39°C</li> </ul>
Heat Stroke	<ul style="list-style-type: none"> <li>• Core body temperature &gt;40°C</li> <li>• Signs of CNS dysfunction, (Confusion, delirium, ataxia, seizures, coma)</li> <li>• Other late findings: anhidrosis, coagulopathy, multiple organ failure</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the patient from heat stress area</li> <li>• Volume replacement</li> <li>• If there is no response to treatment in 30 minutes, the aggressively cool the patient to core temperature of 39°C (further details later in document)</li> </ul>



**Table.2 Heat Related Illnesses: Clinical Manifestation**

<b>Clinical Entity</b>	<b>Cardinal Symptoms</b>	<b>Cardinal / Important Signs</b>	<b>Pertinent Negative findings</b>
<b>Heat rash/ Prickly heat/ Miliaria</b>	<b>Itchy Rash</b> with <b>Small Red BUMPS</b> at pores in the skin. Seen in setting of heat exposure, bumps can sometimes be filled with clear or white fluid	<b>Diffused Red Colour Skin Or Vesicular Rash</b> , itching of the skin without visible eruption	<b>Not Focally Distributed</b> like a contact dermatitis
<b>Heat Cramps</b>	<b>Painful Spasms</b> of large and frequently used muscle groups	Uncomfortable appearance, may have <b>Difficulty in Fully Extending Affected Limbs/Joints</b>	No contaminated wounds/tetanus exposure, no seizure activity
<b>Heat Exhaustion</b>	Feeling overheated, lightheadedness, <b>Exhausted And Weak</b> , unsteady, feeling of <b>Vomiting, Sweaty And Thirsty</b> , inability to continue activities	<b>Sweaty</b> /diaphoretic, flushed skin, hot skin, <b>Normal Core Temperature</b> , +/- dazed, +/- generalized weakness, slight disorientation	No coincidental signs and symptoms of infection; no focal weakness; no difficulty in swallowing food or speech; no drug/overdose history
<b>Heat Stroke</b>	Severe overheating, profound weakness, <b>Disorientation, Not Fully Alert, Convulsion, Or Other Altered Mental Status</b>	Flushed, <b>Dry Skin</b> (not always), <b>Core Temp <math>\geq 40^{\circ}\text{C}</math> OR <math>104^{\circ}\text{F}</math></b> ; altered mental status with disorientation, incoherent behaviour, <b>Coma, Convulsion</b> , tachycardia +/-hypotension	No coincidental signs and symptoms of infection; no focal weakness; no difficulties in swallowing or speech, no drug/overdose history

## **Preparedness at District Level**

### **Proceedings of the District Disaster Management Authority (DDMA) Meeting for preparedness and precautionary measures to be taken to tackle heat wave situation during summer, 2023.**

A Meeting of District Disaster Management Authority (DDMA) for precautionary measures to be taken to tackle heat wave situation during summer was held under the Chairmanship of the Collector & Chairman, District Disaster Management Authority, (DDMA) Mayurbhanj on dt. 14.03.2023 at 6.30P.M. through OSWAN VC. The following members were present in the meeting:

1. The Superintendent of Police, Mayurbhanj.
2. The Additional District Magistrate, Mayurbhanj
3. The Deputy Director, Similipal Tigre Reserve, Baripada
4. The Divisional Forest Officer, Baripada/ Rairangpur/ Karanja
5. The Chief Development Officer-cum-Executive Officer, Zilla Parishad, Mayurbhanj.
6. The Sub-Collector, Baripada/ Rairangpur/Karanja.
7. All Block Development Officers
8. All Tahasildars
9. All Executive Officers of ULBs
10. The Superintendent, PRM MC&H, Baripada
11. The Chief District Medical & Public Health Officer, Mayurbhanj.
12. The Project Director, Watershed, Baripada
13. The Superintending Engineer, TPNODL, Baripada
14. The SE, Mayurbhanj Irrigation Division, Baripada
15. The General Manager, DIC, Mayurbhanj
16. The General Manager, WATCO, Baripada
17. The Chief District Agriculture Officer, Mayurbhanj
18. The Deputy Director, Horticulture, Mayurbhanj
19. The Deputy Collector, Emergency- Convener.
20. The Regional Transport Officer, Mayurbhanj.
21. The Executive Engineer, RWD, Baripada/ Rairangpur, Karanja
22. The Executive Engineer, PWD (R&B) Division, Baripada/ Rairangpur
23. The Executive Engineer, RWS&S, Baripada/ Rairangpur.
24. The Executive Engineer, Minor Irrigation Division, Baripada
25. The Executive Engineer, Odisha Lift Irrigation Corporation, Baripada
26. The Chief District Veterinary Officer, Mayurbhanj.
27. The District Welfare Officer, Mayurbhanj
28. The DSWO, Mayurbhanj.
29. The District Social Security Officer, Mayurbhanj
30. The Divisional Labour Commissioner, Mayurbhanj
31. The District Education Officer, Mayurbhanj.
32. The Asst. Fire Officer, Baripada.
33. The District Labour Officer, Mayurbhanj
34. The Epidemiologist, DHH, Baripada.
35. The District Information & Public Relation Officer, Mayurbhanj.

At the outset of the Meeting the Deputy Collector, Emergency welcomed all the members present in the meeting. The Collector & Chairman, District Disaster Management Authority, Mayurbhanj initiated the agenda wise discussion on preparedness and precautionary measures to be taken to tackle heat wave situation during summer 2023.

**1. Public awareness campaigns:**

The District Information and Public Relation Officer along with all Executive Officers of ULBs and Block Development Officers are requested to take up awareness campaigns through miking, posters, leaflets and other IEC materials to make the people aware about the risks associated with heat wave, identifying the risk, "Do's and Don'ts" to protect oneself from the said risks and what to do if someone is affected. The Deputy Collector, Emergency is instructed to disseminate the heat wave warning messages received from the IMD/ SRC to the field functionaries to take proper precautions.

**(Action Taken: DIPRO/ EOs of ULBs/ BDOs/ DC, Emergency)**

**2. Water scarcity:**

It is instructed to all Block Development Officers/ EOs of ULBs to identify areas with water scarcity and prepare an action plan to ensure uninterrupted water supply. Reports of water scarcity are to be responded immediately. It is instructed that a primary survey is needed to be done by the RWS & S Division as quick as possible.

**(Action Taken: BDOs/ EOs of ULBs/ WATCO/RWS&S)**

**3. Maintenance of tube wells and piped water supply:**

The Executive Engineer, RWS&S and the Block Development Officers are instructed to complete the maintenance of tube wells, piped water supply systems and solar water pumps immediately. It is instructed that a primary survey is needed to be done by the department as quick as possible.

**(Action taken: EE, RWS &S/ BDOs)**

**4. Release of water through Canals:**

The Mayurbhanj Irrigation Division and other Water Resources Departments are requested to release water through canals from reservoirs depending on requirement.

**(Action taken: SE, Mbj. Irrigation Division/ EE, MI Division)**

**5. Paniya Jala Seva Kendras:**

All Sub-Collectors/ EOs of ULBs/ BDOs are instructed to take steps to open "Paniya Jala Seva Kendras" at market places, bus stands and other congregation points. Sincere and willing Civil Society Organisations may be associated for this task. Agencies doing such work only for self-publicity and discontinuing the same after initial days should be avoided and dealt with strongly.

**(Action taken: All Sub-Collectors/CDO-cum-EO, ZP/ EOs of ULBs/ BDOs)**



**6. Construction/ repair of Shallow vats for birds & animals.**

The F&ARD Departments such as Fisheries, CDVO are instructed to ensure construction/ repair of shallow vats for roaming livestock. They may take up suitable IEC measures on care of animals. Besides, the forest officials are also requested to take pro action for temporary water facilities for forest animals. The DIPRO and Block officials are also requested to aware people to store separate water container at outdoor for roaming birds and animals during summer.

**(Action taken: DFOs //BDOs/ CDVO/ DIPRO / Dist. Fisheries Officer)**

**7. Arrangements for Educational/ Technical institutions:**

The timing of classes and examinations may be rescheduled to morning hours. Availability of sufficient drinking water and ORS must be ensured. Outdoor activities are restricted as the students not to be exposed in heat wave. The transport service for the students/ staff will resume that they are not exposed to heat wave condition. It is also instructed to allocate some time during school hours to give heat wave precautionary tips to the students as well as create awareness among the parents to sensitized and ensure that their children carry water bottle while going to school/college.

**(Action taken: The Registrar, MSCBU/ Dist. Education Officer/ DPC, SSA/DWO)**

**8. Arrangement of water facility at AWCs**

The District Social Welfare Officer is instructed to ensure the Angawadi Centres will remain open in morning hours only. Availability of portable water & ORS pouches in all AWCs must be checked and ensured.

**(Action taken: DSWO)**

**9. Arrangements at DHH/ SDHs/ CHCs/ PHCs**

The Chief District Medical & Public Health Officer, Mayurbhanj is instructed to ensure storage of sufficient lifesaving medicines, saline, ORS in dispensaries, PHCs, CHCs and SDH/DHH to meet the requirements. Special arrangements will make for dedicated wards/ beds for treatment of heat stroke patients in different hospitals. The ESI Dispensaries are directed to treat the general public.

**(Action taken: CDM&PHO, Mayurbhanj)**

**10. Transport arrangements:**

The Regional Transport Officer, Mayurbhanj is instructed to ensure that all public transport vehicles must carry sufficient portable water, ICE box/Pockets and ORS pouches to provide the passengers / staff. The non-air-conditioned public transport services will be rescheduled which are plying during peak hours of the day.

**(Action Taken: RTO, Mayurbhanj)**

**11. Engagement of labourers/ workmen**

It is instructed that no work should be executed during peak hours of the day. The timing of engagement of labourers/ workmen at worksites will be rescheduled. The employers must make necessary arrangements for supply of drinking water, ORS packets and provision of rest shed at work site. The District Labour Officer will ensure to follow the instructions issued by the Labour & ESI Departments in this regard.

**(Action Taken: Divisional Labour Commissioner, Mayurbhanj)**

**12. Power Supply:**

The Superintending Engineer, TPNODL is instructed to maintain uninterrupted power supply during summer months. In case, load-shedding is absolutely necessary in some areas, the schedule must be announced for information of consumer in advance. Due to non- payment of bills the consumers must be informed and avoid abrupt disconnection.

**(Action Taken: SE, TPNODL)**

**13. News reports published in media.**

It is instructed to all concerned to keep a vigil on the media reports on heat wave related issues and ensure immediately. A compliance report in this regard may be submitted to District Emergency Operation Centre, Mayurbhanj.

**(Action Taken: DIPRO/ other field offices/ Line Departments)**

**14. Fire incidents**

The Asst. Fire Officer is instructed to be alert with men and Machine to tackle any fire incidents both in public area and forest areas. The Forest department should be alert to prevent forest fire. An action plan should be prepared in this regard.

**(Action Taken: DFOs/ Asst. Fire Officer)**

**15. Ensure Zero Causality**

The Special Relief Commissioner & Additional Chief Secretary, Odisha have instructed that all efforts should be made to see that no human casualty occurs due to heat wave.

**16. Ex-gratia assistance**

The report regarding death of a person due to sunstroke should reach at SRC Office within 48 hours of the reported death. So all Tahasildars are requested to conduct immediate joint enquiry of the case with the local Medical Officer and report to the District Emergency Operation Centre in due time for countersignature of the Collector & District Magistrate and onward transmission to SRC Office. The confirmed case of death due to sunstroke shall be processed immediately in DAMPS for sanction and payment of ex-gratia to the bereaved family.

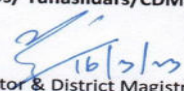
**(Action Taken: DC Emergency/ All Sub-Collectors/All Tahasildars/ CDM & PHO)**



**17. Control Room:**

A District Level Control Room for Heat Wave will functional at District Emergency Operation Centre, Mayurbhanj round the clock with trained/ experienced personnel from 15<sup>th</sup> March, 2023. However, it is instructed to open the control rooms at Sub-Divisional level and block level coordinating with at all SDHs/ CHCs/ PHCs.

**(Action Taken: All Sub-Collectors/ BDOs/ Tahasildars/CDM&PHO)**

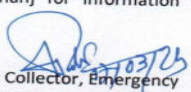
  
Collector & District Magistrate,  
Mayurbhanj.

**DISTRICT EMERGENCY OPERATION CENTRE: MAYURBHANJ**

Memo No. 245 /Emg. Dt. 17-03-2023 //

Copy Submitted to the Superintendent of Police, Mayurbhanj/ the Deputy Director, STR, Baripada/ The DFO, Baripada/ Rairangpur/ Karanjia / the CDO-cum-EO, Zilla Parishad, Mayurbhanj/ the Registrar, MSCB University, Baripada for information & necessary action.

Copy forwarded to All Sub-Collectors/ the Supdt. PRM MC&H, Baripada/ the Chief District Medical & Public Health Officer, Mayurbhanj/ all Block Development Officers/all Executive Officers of ULBs/ all Tahasildars/ The Chief District Agriculture Officer, Mayurbhanj/ The PD, Watershed, Mayurbhanj/ The Chief District Veterinary Officer, Mayurbhanj/ the Deputy Director, Horticulture, Mayurbhanj/ The Dist. Fisheries Officer/ The Asst. Fire Officer, Baripada/ the Divisional Labour Commissioner, Mayurbhanj/ The District Education Officer/ The DPC, SSA, Mayurbhanj/ The District Social Welfare Officer, Mayurbhanj/ the DWO, Mayurbhanj/ the DSSO, Mayurbhanj/ The Regional Transport Officer, Mayurbhanj/ The Superintending Engineer, TPNODL, Baripada/ the EE, PWD (R&B) division, Baripada/ Rairangpur/ the EE, Minor Irrigation Div., Baripada/ the EE, OLIC, Baripada/ The Executive Engineer, RWD, Baripada/ Rairangpur/ Karanjia/ The Executive Engineer, RWS&S, Baripada/ Rairangpur/ The Executive Engineer, PHED/ The SE, Mbj. Irrigation Division, Baripada/ The Department of Health and Family Welfare, DSWO /the GM, DIC, Mayurbhanj/ the GM, WATCO, Mayurbhanj/ The Dist. Information & Public Relation Officer, Mayurbhanj for information and necessary action with a request to submit a compliance within 3days.

  
Deputy Collector, Emergency  
Collectorate, Mayurbhanj.

Memo No. 246 /Emg. Dt. 17-03-2023 //

Copy submitted to the Special Relief Commissioner & Addl. Chief Secretary to Govt. Govt. of Odisha, Bhubaneswar for favour of kind information & necessary action.

  
Deputy Collector, Emergency  
Collectorate, Mayurbhanj.

Memo No. 247 /Emg. Dt. 17-03-2023 //

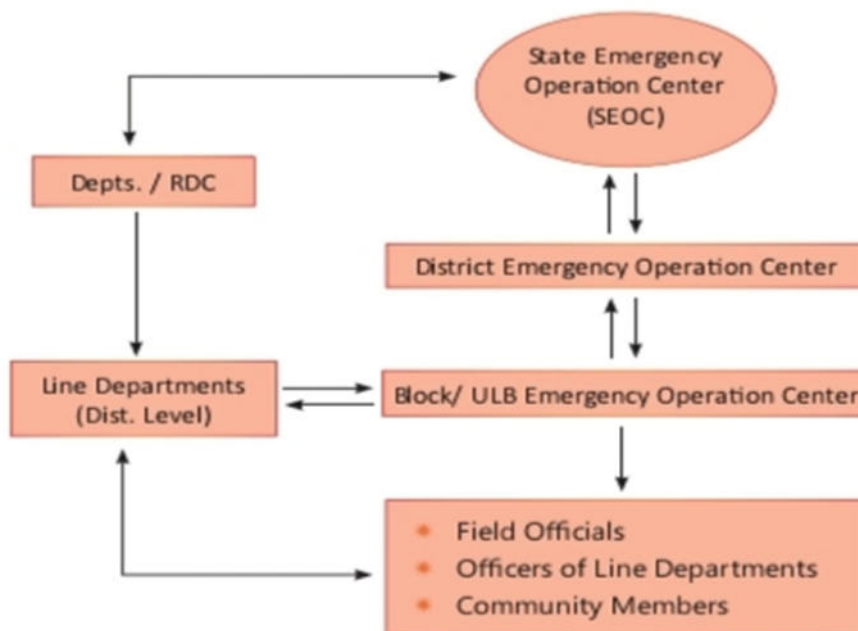
Copy submitted to the Revenue Divisional Commissioner (CD), Cuttack for favour of kind information & necessary action.

  
Deputy Collector, Emergency  
Collectorate, Mayurbhanj.

## Control Room at District Level (Land Line-06792-252941 &252759)

### Role of Dist. Emergency Operation Centre

- Organization of meeting at district level for review of preparedness by the Line departments.
- Preparation of Heat Action Plan & sharing to the Line Departments.
- Ensure opening of 24\*7 Control Room from 1<sup>st</sup> April for the heat wave season.
- Issue of instruction for making Departmental plans to combat the situation.
- Functioning of control room round the clock.
- Dissemination of warnings received from IMD/SEOC to the lower quarters.
- Collection of daily situation reports & transmission to higher quarter.
- Create Awareness through posters / leaflets supplied by OSDMA.
- Action for payment of Ex-gratia at the earliest.
- Grievance resolution.
- Overall monitoring of the situation.





**DISTRICT EMERGENCY OPERATION CENTRE,  
MAYURBHANJ, BARIPADA.**

Email:- deombjbd@gmail.com/deocmbj@gmail.com/ Ph:- 06792-252759, 252941

**ORDER**

No. 202 /Emg. Dt. 13/3/2023

The control room for Heat Wave situation will function at District Emergency Operation Centre (DEOC), Mayurbhanj as per enclosed list of Officers and staff. The staff entrusted for control room duty will attend the Toll Free No. 1077, Telephone No. 06792- 252941 and bring all urgent and immediate matters to the notice of the Supervising Officer as well as to the District Emergency Officer.

In case of any deviation the staff will inform their respective authorities for deputation or substitute for attending Control Room duty under intimation to the Deputy Collector, Emergency. **Absence from control room without substitute will be seriously viewed and treated as unauthorized absence from duty. The Supervising Officers will supervise proper functioning of the Control Room.**

The staff entrusted duty from 6.00am to 10.00am will attend the office at 100PM and duty from 5.30 to 10.00 will leave office at 1.30PM during the office days.

  
Additional District Magistrate  
Mayurbhanj.

Memo No. 203 /Emg. Dt. 13/3/2023

Copy forwarded to all Deputy Collectors/ Asst. Collectors/ Office Superintendent, Collectorate/ PA, ITDA, Baripada/ CSO, Mayurbhanj/ Dist. Employment Officer/ Dist. Child Protection Officer/ PD, R&R, SIP, Laxmiposi/ Dist. Sub-Registrar/ DD Planning, DPMU/ Dist. Small Savings Officer/ Spl. LAO (SIP)/ DSWO/ DWO/ Dist. Labour Officer/ DPO, Mayurbhanj/ Dist. Sports Officer/ O.I.C, Development/ Form & Stationary / DSSO/ RTO/ Zilla Parishad, Mayurbhanj/ Chairman, SDC/ FSO/ Govt. Pleader, Mayurbhanj/ DIPRO, Mayurbhanj/ Dist. Culture Officer for information & necessary action with a request to ensure the duty of their staff.

Copy to P.A. to the Collector & District Magistrate, Mayurbhanj/ Steno to the Additional District Magistrate, Mayurbhanj for information & necessary action.

Copy to person concerned for information.

  
Additional District Magistrate  
Mayurbhanj.



**CONTROL ROOM DUTY CHART FOR THE 1<sup>ST</sup> FORTNIGHT OF MARCH, 2023.**

Date	Supervising Officer	6.00AM to 10.00AM	5.30PM to 10.00PM	10.00PM to 6.00AM
15.03.23	Smt. P. Mallick, OAS Deputy Collector Mob- 9439552982	S. Behera, SRA, Estt. P. Singh, JRA, Rev.	K. Behera, SRA, Estt.	T. Das, JRA, Rev. S. Biswal, Peon, Estt.
16.03.23	Sri A.R. Nayak, Dist. Small Saving Officer, Mob- 9937548605	D. Prajapati, SRA, Rev. S.M. Mohanta, JRA, Touzi	R.K. Senapati, SRA, Estt.	D.K. Behera, JRA, Niz. L. Naik, Peon, Estt.
17.03.23	Sri Rajendra Narayan Kar, OAS-A(JB), Deputy Collector, Mob- 9668150727	M. Das, SRA, Niz. P. Palei, JRA, SLR	P.S. Das, SRA, Estt.	D.Rana, SRA, Dev. S.K. Kisku, Peon, Estt.
18.03.23	Sri Manoranjan Nayak, ORS, Asst. Collector, Mob-9861306610	M.M. Mohanty, SRA, SLR C. Patra, JRA, PR	S.K. Naik, SRA, Estt.	S.Samal, JRA, Niz. A. K. Naik, Peon, SLR
20.03.23	Sri Aswini Ku. Mallick Asst. Director, Statistic Mob-8789908442	D.Mahala, JRA, Estt. S. Panda, Peon, Rev.	T. Jena, SRA, Rev.	R.R. Mohanta, SRA, Estt. K. Mohanta, Peon, Rev.
21.03.23	Sri A. Mohanty, Dist. Sports Officer, Mob- 9861965548	A. Mangraj, SRA, Dev. S. Behera, JRA, Estt.	S.K. Sahu, SRA, Rev.	R. Dalal, JRA, Estt. L. K. Behera, Peon, Niz.
22.03.23	Smt. Banaja Patra, ORS, Asst. Collector, Mob-9778563518	J. Barik, JRA, Estt. S. Parida, JA, DSSO	A.K. Puthal, SRA, Tauzi	S.K. Behera, JRA, Estt. S.K. Behera, NW, Niz.
23.03.23	Mrs. M. M. Biswal, DCPO Mob- 9438162561	M. Mohanta, JRA, Dist. Small saving. D. Tarei, Peon, Dev.	S.K. Sahu, JRA, PR	C.K. Sardar, JRA, Estt. R. Murmu, PS, Judl.
24.03.23	Mrs. Annapurna Sinku, DSWO, Mob-9937140385	B.M. Mohanta, SRA, Judl. P. Patra, JRA, G&M	S. Mahalik, SRA, LAO	J.P. Mohanty, JRA, Dev. R.C. Das, PS, PR
27.03.23	Sri Sibaram Munda, ORS, Asst. Collector, Mob- 9438095118	L. Behera, RI, LAO G. Hansdah, SRA, DSWO	B. Das, JRA, Judl.	K. Mohanty, JRA, Elect. M. Dalei, Peon, PR
28.03.23	Sri Srikanta Nayak, ORS, Asst. Collector, Mob- 7978473646	S. S. Parida, JRA, LAO S. Mishra, JRA, CSO	T. Behera, Amin, LAO	G.B. Naik, JRA, PG Cell S. Mohapatra, Peon, CSO
29.03.23	Sri Sadananda Delki, ORS, Asst. Collector, Mob- 6371050117	I. Nag, SRA, DSWO M. Gochhayat, SRA, CSO	P. Patra, SRA, G&M	M.K. Dandpat, JA, DSSO R.N. Sahu, Peon, CSO
31.03.23	Sri Sudhir Kumar Malik, ORS, Asst. Collector	S. Prajapati, SRA, DWO K. Sahu, SRA, DPO	S. Garej, JA, DSSO	S. Si, JRA, DPMU J. Dash, Peon, G&M

**Holidays:**

Date	Supervising Officer	6.00AM to 12.00noon	12.00Noon to 5.00PM	5.00PM to 10.00PM	10.00PM to 6.00AM
19.03.23	Sri Furlai Beshra, ORS, Asst. Collector, 8763199219	D. Mukhi, SRA, G&M S. Mohanta, Peon, LAO	S.K. Dwibedi, JA, DSSO	S. Giri, SRA, Elect.	A. Prathari, JRA, G&M S. Khamari, Peon, CSO
25.03.23	Sri Biswanath Pradhan, ORS, Asst. Collector, Mob-7978876901	P.P. Patra, JRA, DSWO K. Patra, SRA, DWO	A. Patra, SRA, CSO	R. Khilar, SRA, DPMU	M. Singh, JRA, Sports B. Nayak, Peon, Elect.
26.03.23	Debasish Mahapatra, Asst. Director, Planning Mob-6370256691	P. Dasbabu, SRA, DWO P. Soren, JA, DWO	B.K. Pradhan, SRA, G&M	S.S. Jena, SRA, SDC	S.S. Pradhan, SRA, DWO H. Singh, Peon, DPO
30.03.23	Sri A. P. Sethy, Dist. Culture Officer Mob- 9437295628	D. Satpathy, JA, DWO B.P. Mohanta, SRA, DPO	D. Majhi, JA, DWO	A.K. Basa, JRA, SLR	U. Giri, JRA, DWO L. Naik, Peon, DPMU

Further, it is hereby ordered to Sri Debananda Behera, Section Officer, Emergency Section (Mob. No. 9437238626) that, he will look after the control room during the Office working hours.

Additional District Magistrate,  
Mayurbhanj.

#### **4.3: PREPAREDNESS BY MAJOR STAKEHOLDERS IN THE DISTRICT:**

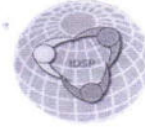
ACTION PLAN FOR HEAT WAVE- 2023 IN RESPECT OF RTO MAYURBHANJ, BARIPADA	
Activity to be undertaken	Action
The plying timings of the non-air-conditioned buses shall be rescheduled restricting their operation during the period of peak heat wave hours as per the instruction issued by C&T (Transport) Department, Govt. of Odisha.	All the Pvt. Bus Owners Association of Mayurbhanj District
Provision of safe drinking water, ice box/packets, ORS Packets shall be made in all the buses and shall be provided to the passengers.	All the Pvt. Bus Owners Association of Mayurbhanj District
Enforcement activities shall be intensified and proper checking shall be made by Enforcement Wing against the vehicles carrying excess passengers than their carrying capacity and stringent action shall be taken against the erring transporters/operators.	All the OMVD Enforcement Officers of Baripada/Rairagnpur region.
Jalachahatras are to be opened at bus stands and at bus stops for passengers.	All Private Bus Owners Associations.
Temporary passenger sheds are to be erected near the bus stops.	All Private Bus Owners Associations

The Control Rooms shall be opened at office and it will function round the clock during the period of heat wave.

RTO, Mayurbhanj,  
Baripada/Rairangpur



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER:  
MAYURBHANJ  
(PUBLIC HEALTH WING)  
INTEGRATED DISEASE SURVEILLANCE PROGRAMME  
Phone No: 06792-252702, Email ID: dsumayurbhanja@gmail.com



Letter No 570 / Baripada Dated 24<sup>th</sup> March 2023


To  
The ADM, Mayurbhanj

Sub: Submission of Action plan of Heat wave management of Mayurbhanj District – 2023

Sir,

I am submitting herewith the Action plan of Heat stress of Mayurbhanj District – 2023.  
This is for favour of your information and necessary action.


Yours faithfully

  
District Public Health Officer  
Mayurbhanj

Memo No 571

Dated 24.03.23

Copy forwarded to CDM & PHO, Mayurbhanj for your information.

  
District Public Health Officer  
Mayurbhanj

**STOCK & STORE POSITION FOR HEAT STRESS DISORDER MANAGEMENT, MAYURBHANJ-2023**

Sl No.	Name of the Block unit	Name of the Institution	Diesel Gensets	No of Heat Stroke Room/ bed	No of PHC(N) & AH	Total No of Heat Stroke Room/ bed	No of Jala Chhatra opened	Block logistic stock			Fan	Air Cooler	Air condition	Control room Phone No.	ILR/ Deep freezer
								IV fluid	ORS	Parac-etamol					
1	Badasahi	Badasahi CHC	1	1/1.	5	1/1.	227	500	5200	30000	6	6	1	8480634988	4/4.
2	Bangiriposi	Bangiriposi CHC	1	1/1.	5	5/5.	0	950	6600	43000	1	1	1	6370279653	4/3.
3	Betnoti	Betnoti CHC	1	1/2.	4	5/7.	5	1869	21140	48750	6	3	4	9439997659	5/3.
4	Moroda	Kisantandi UCHC	Inverter	1/1.	6	7/7.	197	1886	11170	39300	7	7	-	9439997969	2/2.
5	Baripada	KC Pur CHC	0	1/1.	1	1/1.	0	275	14520	34000	1	1	0	9439997501	2/2.
6	Chandua	Kuliana CHC	2	1/2.	4	5/6.	145	320	2880	28000	6	5	0	9439995856	5/5.
7	Suliapada	Kostha CHC	1	1/1.	5	5/5.	184	789	36000	30800	5	1	0	9439995702	4/4.
8	Samakhunta	Rangamatia CHC	2	1/2.	3	4/4.	115	692	7360	15000	4	4	4	9861723871	3/3.
9	RG Pur	RG Pur CHC	1	1/1.	4	5/5.	208	940	9360	28000	5	5	2	9439995582	5/5.
10	Saraskana	Shirsa CHC	1	1/1.	3	4/4.	155	400	9360	10100	2	1	1	9556022347	2/2.
11	khunta	Dukura CHC	1	1/1.	2	3/3.	0	744	6500	20700	3	2	1	8984627283	3/3.
12	GB Nagar	Khunta CHC	1	1/1.	5	6/6.	26	1950	3000	18000	6	5	2	9439997866	2/1.
13	Kaptipada	Kaptipada CHC	1	1/1.	6	6/6.	115	1800	7500	55000	6	5	1	8458012952	3/3.
14	Udala	SC Pur CHC	1	1/1.	3	4/4.	113	410	8040	6000	4	4	1	9437470522	3/3.
15	Kusumi	Badampahad CHC	2	1/2.	5	6/6.	113	855	5700	24250	6	6	1	9439997956	3/3.
16	Bijatala	Bijatala CHC	1	1/1.	3	4/4.	168	420	7200	22000	4	4	2	9439993132	2/2.
17	Rairangpur	G.mahisani CHC	1	1/1.	2	3/3.	130	7600	6500	14500	3	2	1	9439997726	1/2.
18	Jamda	Jamda CHC	inverter	1/1.	2	3/3.	89	1020	7000	20000	3	2	0	8280179223	2/2.
19	Bahalda	Bahalda CHC	1	1/1.	2	1/1.	99	1545	3840	28500	3	2	2	9439997775	2/2.
20	Bisoi	Manada CHC	1	1/1.	2	3/3.	22	300	6060	20000	3	3	1	6372709322	2/2.
21	Tiring	Tiring CHC	1	1/1.	1	1/1.	94	800	6000	26000	2	2	0	9437690717	2/2.
22	Jashipur	Jashipur CHC	inverter	1/1.	3	4/4.	45	1000	6500	40000	5	0	1	9439995772	4/4.
23	Raruan	Raruan CHC	3	1/2.	3	3/6.	22	270	4340	2200	6	4	3	6372797814	3/3.
24	Sukruli	Sukruli CHC	3	1/1.	1	2/3.	17	690	6500	8000	2	3	1	9439991349	3/1.
25	Karanjia	Tato CHC	1	1/1.	3	3/3.	0	350	8640	15000	4	2	1	9439997805	4/1.
26	Thakurmunda	Thakurmunda CHC	1	1/1.	4	4/4.	0	5633	7480	28750	5	2	0	9439991310	3/3.
27		SDH, Udala	3	1/1.	-	1/2.	7	6143	14740	25000	2	1	1	9439997991	4/4.
28		SDH, Karanjia	3	1/1.	-	1/2.	2	6307	8000	27500	1	1	1	8018927700	1/2.
29		SDH, RR Pur	4	1/1.	-	1/1.	8	2958	12000	28400	1	1	1	6794350002	2/1.
30		DHH, Baripada	1	1/4.	-	1/4.	-	182856	1462860	1549780	4	-	2	6792252702	1/1.
<b>TOTAL</b>			<b>43</b>	<b>30/38.</b>	<b>26</b>	<b>102/114.</b>	<b>-2306</b>	<b>232272</b>	<b>1721990</b>	<b>2286530</b>	<b>116</b>	<b>85</b>	<b>36</b>		<b>86/78.</b>

  
 District Public Health Officer  
 Mayurbhanj



**Information of Drinking Water Supply under RWS&S Division, BARIPADA, 04.04.23**

Sl no.	Division	Name of Block	Total Functional Tubewell	Total Defunct Tubewell	No. of Water Tanker Engaged
1	Baripada	BADSAHI	2350	13	0
2	Baripada	BANGRIPOSI	1295	9	0
3	Baripada	BARIPADA	962	18	0
4	Baripada	BETNOTI	1585	11	0
5	Baripada	GOPABANDHUNAGAR	1012	0	0
6	Baripada	KAPTIPADA	1713	8	0
7	Baripada	KHUNTA	1310	12	2
8	Baripada	KULIANA	1258	20	0
9	Baripada	MORADA	1479	39	0
10	Baripada	RASAGOVINDAPUR	1331	26	0
11	Baripada	SAMAKHUNTA	952	19	0
12	Baripada	SARASKANA	1284	48	1
13	Baripada	SULIAPADA	1139	13	0
14	Baripada	UDALA	1013	8	0
			<b>18683</b>	<b>244</b>	<b>3</b>

*For*

Superintending Engineer (I/c)  
RWS&S Division, Baripada

*[Signature]*  
04/04/23

## Heat Wave DOs and DON'Ts

### DOs

Heat Wave conditions can result in physiological strain, which could even result in death.

- 1.To minimize the impact during the Heat Wave and to prevent serious ailment or death because of heat stroke, you can take the following measures:
- 2.Avoid going out in the sun, especially between 12.00 noon and 3.00 p.m. | Drink sufficient water and as often as possible, even if not thirsty Wear lightweight, light-coloured, loose, and porous cotton clothes. Use protective goggles, umbrella/hat, shoes or chappals while going out in sun.
- 3.Avoid strenuous activities when the outside temperature is high. Avoid working outside between 12 noon and 3 p.m.
- 4.While travelling, carry water with you.
- 5.Avoid alcohol, tea, coffee and carbonated soft drinks, which dehydrate the body.
- 6.Avoid high-protein food and do not eat stale food.
- 8.If you work outside, use a hat or an umbrella and also use a damp cloth on your head, neck, face and limbs
- 9.Do not leave children or pets in parked vehicles
- 10.If you feel faint or ill, see a doctor immediately.
- 11.Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. which helps to rehydrate the body.
12. Keep animals in shade and give them plenty of water to drink.
- 13.Keep your home cool, use curtains, shutters or sunshades and open windows at night.
- 14.Use fans, damp clothing and take bath in cold water frequently.

### Tips for Treatment of a Person Affected by a Sunstroke:

- 1.Lay the person in a cool place, under a shade. Wipe her/him with a wet cloth/wash the body frequently. Pour normal-temperature water on the head. The main thing is to bring down the body temperature.
- 2.Give the person ORS to drink or lemon sarbat/torani or whatever is useful to rehydrate the body.
- 3.Take the person immediately to the nearest health center. The patient needs immediate hospitalization, as heat strokes could be fatal

### Must for All

- 1.Listen to Radio; watch TV; read Newspaper and other sources for local weather news/ heat advisories. | Drink sufficient water - even if not thirsty.

2. Use ORS (Oral Rehydration Solution), homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

3. Wear lightweight, light-colored, loose, cotton clothes.

4. Cover your head: Use a cloth, hat or umbrella and use protective goggles.

Avoid caffeine, alcohol or sugared soda because they can dehydrate your

### **DON'Ts**

1. Avoid going out in the sun, especially between 11.00 noon and 3.00 p.m.

2. Avoid strenuous activities when outside in the afternoon.

3. Do not go out barefoot.

4. Avoid cooking during peak hours.

5. Open doors and windows to ventilate the cooking area adequately.

6. Avoid alcohol, tea, coffee and carbonated soft drinks which dehydrate the body.

8. Avoid high-protein food and do not eat stale food.

9. Do not leave children, pets or anybody in parked vehicles - as they may get affected by heat. | Don't drink cold drinks with ice as they can cause stomach cramping.

## Chapater - IV

### Important Contact Numbers

Sl. No	Name	Telephone Number		
		Office	Residence	Mobile
1.	Shri Vineet Bhardwaj, IAS, <b>Collector &amp; D.M.</b> , Mayurbhanj	252606 Fax -252221	252601	8280066861
2.	Shri KhilariRishikesh Dnyandeo, IPS <b>Supdt. ofPolice</b> , Mayurbhanj	252647 252324-DIB	252644 252293-Fax	8149990766
3.	Sri Suresh ch. Patra, Addl.S.P. (Hdqrs.), Baripada.			9437002137
4.	Shri BalakrushnaHota, OAPS(S) Commandant, 5 <sup>th</sup> Bn.		-	9437012186
5.	US Maharana, Addl. SP (IUCAW)			9437058657
6.	S.K. Mohapatra, DSP, Vigilance	-		9437190748
7.	<i>Sri T. Ashok Kumar, IFS</i> <b>R.C.C.F. / Director, STR.</b>	252593 fax- 256705	260773	9437477688
8.	Sri Akshaya Sunil Agarwalla, IAS, <b>A.D.M. (Rev)</b> , Mayurbhanj	252646 Soren babu	252617 9853430210	9326094704
9.	Sri Rudra Narayan Mohanty, OAS(S), <b>A.D.M. (Gen)</b> ,Mayurbhanj.	259005		9437310951 9040112510-wh
10.	Sri Hemanta Kumar Singh,OAS(S) <b>A.D.M. , RAIRANGPUR</b>			9437835977 9337598136-wh



11.	Daulat Chandrakar, OAS <b>CDO-cum-EO, ZP, Mayurbhanj</b>	260318 fax - 260487		9438163905
12.	Bimal Mal, Dy. CEO, <b>ORMAS</b>	260660	253011	9438345779
13.	Ajay Ku. Nayak, <b>DPM, OLM.</b>			8895431062
14.	Santosh Joshi, IFS. <b>D.F.O. Baripada,</b>	252613 Ghosh Babu	8763707882	9437032313
15.	Sri Sudarsan Gopinath Jadav, IFS, ACF, Baripada.			8600265730
16.	Sri Srikanta Nayak., IFS, <b>D.F.O. Karanjia</b>	220226	06796-220223	9437239132
17.	Sri Nilakantha Behera, IFS, <b>D.F.O. Rairangpur.</b>	222036	06794-222008	9437031010
18.	Saikiran D.N., IFS, <b>Dy. Director,</b> <b>Similipal North (WL) Div., Jashipur.</b>			7682806141 8130222072
19.	<i>Dr. Somrat Gouda D.S.,OFS-I(JB), Dy. Director, Similipal South (WL) Division, Bpd.</i>	259126		9437962696

**P.A., ITDAs.**

	Sri BasantaK.Sethi, OAS(I) SB., <b>P.A., ITDA, Baripada.</b>	06792	260250	262168	9437603711 9778682863
	Debidutta Panda, OAS(I) <b>P.A., ITDA, Kaptipada, Udala</b>	06795	232239	232256	9437877780
	Sri Hemanta Kumar Singh, OAS(S) <b>P.A., ITDA, Rairangpur(I/C)</b>	06794	222024	222113	9437835977
	Sri DebaduttaMohanta, OAS(I) SB., <b>P.A., ITDA, Karanjia.</b>	06796 Fax-	220212 221738	220213	9438073366

**SUB-COLLECTORS**

	Iswar Chandra Naik, OAS (S) <b>Sub-Collector, Baripada.</b>	252607	253242	8895896192
	Sri Sushanta Barik, OAS(S) <b>Sub-Collector, Kaptipada, Udala</b>	232222		7873332305
	Saroj Kumar Dash, OAS (S) <b>Sub-Collector, Bamanghaty, Rairangpur</b>	223605	223735	9437034184
	Sri Premansu Chand, OAS(I)SB., <b>Sub-Collector, Panchpir, Karanjia</b>	221491	221491	9437425134

### BLOCK DEVELOPMENT OFFICERS

BARIPADA SUB-DIVISION					
1.	B.D.O., <b>Baripada</b>	06792	252238		-
2.	Chabirani Sahu, OAS –A(JB), BDO, <b>Betnoti</b>	06793	06793- 220210		9437549356
3.	Akash Kumar Panda, OAS(I)JB., B.D.O., <b>Badasahi.</b> Sarat Ku. Mohanty, ABDO (I/C)	06792	277327		9439887800 9777940489
4.	Sri Sarat Mallik, OAS(I)JB., BDO, <b>Bangriposi.</b>	06791	223239		7008514840 9437946883
5.	Sri Sagar Palo, OAS(I)JB B.D.O., <b>Moroda</b> Sarbeswar Palei, ABDO (I/C)	06793	273330		9777228599 9437680971
6.	Jashobanta Behera, OAS(I)JB., B.D.O., <b>Samakhunta.</b>	06792	252580		8763320534 7008785702
7.	Parikshita Jena, OAS(I) BDO, <b>Suliapada.</b>	06792	275125		7978764061 W- 8249457807

8.	Debashis Mohapatra, OAS(I)JB., B.D.O., <b>Kuliana.</b> Bhagamat Soren, ABDO	06791	272129		8917456536  9438271797
9.	Geeta Murmu OAS(I)JB BDO, <b>Saraskana</b>	06791	226811		7978932510
10.	Lalatendu Si,OAS(A)JB BDO, <b>Rasgovindpur</b> Jayakrushna Naik, ABDO	06793	275426		7978381990 7873381990 9178164760
<b>RAIRANGPUR SUB-DIVISION</b>					
11.	Nupur Chandgotia BDO, <b>Bahalda.</b> I/C	06794	231221		8260475728
12.	Bhagabat Pr. Mohapatra, OAS(I)JB.,B.D.O., <b>Bisoi.</b> Hemanta Ku. Guru, ABDO	06794	278422		8249065927 9437615527 9937734573
13.	Sri Jogaranjan Nayak, OAS(I)JB B.D.O., <b>Bijatata</b>	06794	270244		9938093984
14.	Debasish Panda, OAS- A(JB)B.D.O., <b>Jamda.</b> Laxman Charan Soren, ABDO (I/C)	06794	273221		8093531959 7327819574 9439873232
15.	BasantiLakra,OAS-A(JB), B.D.O., <b>Tiring</b> LaxmidharaKisku, ABDO (I/C)	06794	276221		9692414116
16.	Sagar Ch. Murmu, OAS(I) JB., BDO, <b>Rairangpur.</b> Shakti Prasad Paikaray,	06794	222077		9861544068
17.	Sri Laxman Charan Soren, OAS(I)JB, BDO, <b>Kusumi,</b> SasibhusanLakra, ABDO	06794	278225		9439873232 6370965384 8917542510
<b>KARANJIA SUB-DIVISION</b>					

18.	Smruti Ranjan Sahu, OAS(J)JB., B.D.O., <b>Jashipur</b>	06797	232435 282308		9437252554
19.	Hrudananda Odha, O.A.S.(I)JB B.D.O., <b>Karanjia.</b> Rabindra Nath Giri, ABDO	06796	220218		8895934709 8327789023
20.	Premananda Behera, OAS(I)JB., B.D.O., <b>Raruan</b> Sarbeswar Palei, ABDO	06797	282227		9556172717 9437680971
21.	Bhabani Pradhan, OAS(I)JB., Tdr., B.D.O., <b>Sukruli.</b> Tankadhar Mohanta, ABDO (I/C)	06797	282221		7750961762 9078309919
22.	Sri Shyam Sundar Tudu, OAS(I)JB, B.D.O., <b>Thakurmunda.</b> Nirod Kumar Samal, ABDO	06796	284343		8763978189 7751980365
<b>UDALA SUB-DIVISION</b>					
23.	Manas Ranjan Samal, OAS-A(JB), B.D.O., I/C <b>Gopabandhunagar.</b> Lada Murmu, ABDO	06795	234622 262554(Res)		8327748612 9438151359
24.	Manas Ranjan Samal, OAS(I)JB, BDO, <b>Khunta</b>	06795	234625		8327748612
25.	Satya Nath Naik, OAS(I)JB BDO, <b>Kaptipada</b> Bidya Bharati Naik, ABDO	06795	237309		9437878564 8847891200
26.	Debjani Bhuyan, B.D.O., <b>Udala.</b>	06795	232254		9668796635

**TAHASILDARS**

<b>BARIPADA SUB-DIVISION</b>					
1	Bikram KisorParida, OAS-A(JB) Tdr.	<b>Baripada</b>	06792	252659	8895608249
2	Sangram KeshariParida, OAS(I)JB, Tahasildar	<b>Betnoti</b>			8882798885
	Namita Dhal,ORS, Addl.Tdr.				9776089234
3	Smt. SasmitaMurmu, ORS, Addl.Tdr & I/C Tdr	<b>Badasahi</b>	06792	277494	8280123542
					9583139030
4		<b>Bangriposi</b>			
	Saheb Ram Baskey,ORS, Addl.Tdr(I/C)				7008793054
5	Umesh Ch. Ojha, OAS(I)JB, Laxmisagar Majhi, ORS	<b>Kuliana</b>			9438534078 8763121320
6	Ananta Kumar Hansda, OAS(I)JB., Tahasildar, Moroda.	<b>Moroda</b>			9178615939
7	Ms. NirliptaMohanty,OAS-A(JB) Tahasildar, Rasgobindpur. Binjhesh Ranjan Nayak,ORSAddl	<b>Rasgovindpur</b>	06793	275439	9040278504
					8458063046
8	Radha Ranjan Das, OAS-I(JB), Tahasildar	<b>Shamakhunta</b>			9861281241 7978005194
	Mohini Ku. Nayak, ORS, Addl. Tdr.			7894945220	6372055250
9	Sonam Das, OAS(I)JB., Tahasildar	<b>Suliapada</b>			7978541256
10		<b>Saraskana</b>			
	SaikrushnaJena,ORS,,Addl.Tdr.(I/C)T dr			9437027235	7978688704

**TAHASILDARS, RAIRANGPUR SUB-DIVISION**

11	ParamanandaKhandei,OAS(I)JB., Tahasildar.	<b>Bahalda</b>	06794	231226	9437878510
	Madhab Chandra Birua,ORS, Addl.Tdr.				9731369000
12	Bhagabat Pr. Mohapatra, OAS(I)JB.,B.D.O., <b>Bisoi</b> I/C Tahasildar.  Ms. Prachi Priyadarshini, ORS Addl. Tdr.	<b>Bisoi</b>			8249065927
13	Sri Jagabandhu Mallick, OAS, Tahasildar	<b>Bijatata</b>			8480239670
	Susanta Ku. Baral,ORS, Addl. Tdr.				7982211328
14	Sri ChittaranjanMohanta, OAS(I)JB., Tahasildar. 8847809362	<b>Jamda</b>			7683930845
	Sri Vikash Mundari, ORS, Addl. Tdr.				8895624104
15	Sri Siba Prasad Murmu, OAS(I)JB., Tahasildar.	<b>Kusumi</b>			8249786851
	Apurba Ranjan Aich,ORS, Addl. Tdr.				9861700740
16		<b>Rairangpur</b>	06794	222035	
	MitaliMadhuchanda Patra, ORS, Addl				9437654935
17	Ms. CharulataSingh,Tahasildar	<b>Tiring</b>			7008492436
	Madhab Chandra Birua, ORS, (Addl.Tdr., Tiring)				9731369000

**TAHASILDARS, KARANJIA SUB-DIVISION**

18	Sri Crecencia Tirkey OAS-I, JB, Tahasildar 8456992735	<b>Jashipur</b>			8249775022 8456992734
19	Smruti Ranjan Sahoo, OAS-I, JB, Tahasildar	<b>Karanjia</b>	06796	220238	9437252554 7008911937
	JaykishorePatra,ORS, Addl.Tdr.				7978737772
20	Sri SatyasundarRout,OAS-A JB Tahasildar.	<b>Raruan</b>	06797	282529	9437672601
21	JyotshnaraniNayak,OAS(I)JB., Tahasildar.	<b>Sukruli</b>			8895800985 7978029403
22	Dr. SushreeSupriya, OAS-A, JB, Tahasildar	<b>Thakurmunda</b>			9692744763

**TAHASILDARS, UDALA SUB-DIVISION**

23	Sangram KeshoriBhal, OAS-A, JB, Tahasildar	<b>GB Nagar</b>			8847859651
	Himansu Sekhar Giri, ORS, Addl.Tdr.		9438687426		7008514077
24	Smaran Kumar Prusty, OAS-I, JB, Tahasildar	<b>Khunta</b>	234817		9437288789
	Soumyaranjan Behera, ORS, Addl.Tdr..				8895801090
25	Sri Samarjit Kar, OAS-I(JB), Tahasildar	<b>Kaptipada</b>	237291		9437218107
	Sandeep Ku. Singh, ORS, Addl.Tdr, Udala				8093850995
	Sri LaxmidharNayak,ORS,Addl.Tdr.				
26	Manisha MadhulikaHembram, OAS, Tdr 7008962026	<b>Udala</b>	06795	232241	7205614413
	PriyaranjanJena,ORS, Addt. Tdr. DivyaRatna Das, ORS, Addl. Tdr.				9439396411

**OTHER DISTRICT LEVEL OFFICERS**

Sl. No.	Name	Telephone Number		
		Office	Residence	Mobile
	Sri Pradyumna Kumar Dash, OWS(I) <b>DWO</b> SunaramSingh, OWS, <b>ADWO</b> , Hqr.Mayurbhanj	260763	-	7653800356 8249574671
	Baidya Nath Munda, <b>DPO</b> , Mayurbhanj. Debananda Behera, <b>SDPO</b>	260730	-	9437257156 9937849167
	Biswaraj Behera, RTO, Mayurbhanj	260768	260639	9439539829
	Sri Nagendra Nath Majhi,OAS-(SB), Special L.A. & R.O. <b>Deo Irr.</b> Proj., Karanjia	261170	-	9437591802
	Sri Ram Ch. Soren, OAS(SB)9438459964 <b>Spl. LAO, SIP</b> , Baripada. I/C. Himansu Panda, Zone Officer	260136		6370892992 8637227711 8280073828
	Sri R.N.Mohanty, OAS(S), ADM(Rev), I/C. <b>PD,R&amp;R,SIP</b>	278110		9437310951
	Sri NabakishoreGiri, OES-I, <b>DPC, SSA</b>	260865		9437656165
	Krushnna Ch. Sethi, <b>Chief CSO</b>	252648		9438200052
	Ashis Kumar Basantia,Dist. <b>Employment Officer</b> Ranjan Ku. Mishra, Employment Officer			8280011371 9437443992
	Prashant Ku. Kanhar, <b>Supdt.of Excise.</b>	252203		7978365952
	Lembha Marandi, <b>Deputy Director Planning</b>	252518		9438866498
	Sri Jitendra Kumar Panda <b>DD, Mines</b>	252698	256745	8917536491



**DEPUTY COLLECTORS / ASST. COLLECTORS**

JayadevDas,OAS-A(JB) LA			8249960997
Ms.SushreetaTudu,OAS, DC, Rev/Touzi/NeGP/ e-Governance / Election		252758	8895483309
<b>Sujay Kumar Pati</b> ,OAS, OIC-Res/PG Cell/Emg.		252759	8908188168
Smt. Pramila Mallick, OAS , DC, Estt/ Judl/ Audit		8093723615	9439552982
DC, G & M/ PIO / Development/LA/HRMS/FS/SLR/NLRMP			
RadharanjanDas,OAS-A(JB) DC, Nizarat			9861281241
Smt. ShibaniBhanjdeo, ORS, (Deployed to S.C. Office, Baripada)			9861448605 7008945091

**OTHER OFFICERS**

DebaduttaSethy, DPO, OSDMA			7751986003
Sudha Ranjan Mohanty, Asst.Manager, <b>Circuit House</b>	262659		9437177907
Avay Ranjan Nayak, Dist.Small Savings Officer.	254036	9438303981	9937543605
Smt. Annapurna Sinku, <b>DSWO</b>	252268		<b>9437486515</b>
Sanjukta Majhi, Programme Officer,	252268		9337126023
BhratiBeshra, <b>DPC</b> , Mission Shakti			6371338959
Sashmita Mohanty, Supervisor, Mission Shakti			9438398382
Radhakrushna Rout, <b>DSSO</b> , Mayurbhanj			7749879752
SmtMamatamayee Biswal, <b>DCPO</b>	-	-	9438162561
Sri Manorath Jagannath, Mamata Co-ordinator			9438329559
Mr. Ajay Ketan Sarangi, <b>DIO, NIC</b>	252726	-	9437475773
Addl DIO, NIC			9437380031

Ananta Ku. Sethi Dist. <b>Culture</b> Officer. Mishra Babu - 9437289787	-		9437295628
Abani Mohanty, Dist. <b>Sports</b> Officer I/C	254245		9861965548
BikasMohanty , <b>DI&amp; PRO</b>	252634		8895408070
Sebati Kar, DISC Coordinator, <b>OSWAN</b>		7008167527	9438383601
Mr. Bhagirathi Behera OMGI, Coordinator			8599820645
Ajay Kumar Sethy, District <b>Treasury</b> Officer. Baripada	252632		9438296128 7008134060
<i>Subrat Kumar Dash</i> Dist. <b>Fisheries</b> Officer	252231	-	9437169970w 7978971757
<b>MEDICAL / VETERINARY</b>			
Prof (Dr) Punyansu Mohanty, <b>Dean</b> & Principal PRMMCH, Baripada Dr. SumantaPanigrahi		8598873713	9437006652 9437184006
<b>Dr. Prativa Panda</b> , Supdt. PRMMCH, Baripada Dr.SumantaPanigrahi		8598873713	9437080531
Dr. Rupabhanu Mishra, <b>CDMO</b> , Mayurbhanj	252671	252615	9439995496
	Steno	8895446910	9437238172
Dr. Nihar Ranjan Dash , ADMO (M)			9439995499
Mr.P.P.Pati, <b>DPM NRHM</b>			9439995504
Dr. PravakarSahu, <b>CDVO</b> ,	252728	252388	6370281566

## Form I

**Information to be submitted with every joint enquiry report of Heatstroke Deaths**

**Annexure:**

## Form I

**Information to be submitted with every joint enquiry report of Heatstroke Deaths**

Sl No	Name of the Deceased with Address (if unidentified mention unidentified)	Age	Gender (Male / Female / Third Gender)	APL / BPL	Occupation of Deceased (Farmer/Labour/Hawker/Others to be specified)	Place of Attack					Date & Time of Attack of Heat Stroke	Date and Time of death	Whether the Person was Hospitalized?		Whether Cause of death (heat wave) confirmed by the Medical Officer (Yes/No)	Any antecedent illness / chronic disease present (ask the family member)	Cause of Death as per joint enquiry report	Whether post mortem conducted? (Yes/No)	Remarks
						Name of the Block/ULB	Name of the village / Ward	Rural/Urban	Indoor/Outdoor	Location (Crop Field / Market / Bus stop / Street / Home / Office / Any Other)			Yes / No	If Yes Name of the Hospital / Health Clinic					
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>

(Name & Designation of the Reporting Officer)

(Signature with Seal)

## Form II

### Details of Death reported due to Heat Wave, Joint Enquiry & Payment of Ex-Gratia

(Record to be maintained by Tahasil & Dist. Office and Weekly report to be submitted by  
Dist. Office to SRC)

**District:**

**Year:**

SI NO	Name of the Deceased	Original Address of the Deceased (Village/ GP/ULB)	Age	Gender (Male / Female / Third Gender)	Economic Status (APL / BPL)	Occupation of Deceased (Farmer/ Labour/ Hawker/Others to be specified)	Place of Attack					Date & Time of Attack of Heat Stroke
							Name of the Block/ ULB	Name of the village / Ward	Rural/ Urban	Indoor/ Outdoor	Location (Crop Field / Market / Bus stop / Street / Home / Office / Any Other)	
1	2	3	4	5	6	7	8	9	10	11	12	13

Date and Time of death	Maximum Temperature of the Day (in °C) recorded at the nearest station, mention the location of the Weather station	Whether the Person was Hospitalized?		Maximum Temperature recorded	Date and time of Post Mortem Conducted	Date of Joint enquiry by the local revenue and medical officer	Any antecedent illness / chronic disease present (ask the family member)	Remark regarding cause of death		No and date of Sanction order of Ex-gratia	Name of the NOK	Date of Payment of Ex-Gratia
		(Yes / No)	If Yes Name of the Hospital / Health Clinic					As per post mortem report of treating physician	As per joint enquiry report			
14	15	16	17	18	19	20	21	22	23	24	25	26







# ଅଶୁଦ୍ଧାତ ପ୍ରତି ସତର୍କ ରୁହନ୍ତୁ

କ'ଣ କରିବା ଉଚିତ୍ !

- ଦିନ ୧୧ ଟାରୁ ୩ଟା ଭିତରେ ଖରାପ ତାପି ସବୁଠାରୁ ଅଧିକ ଥାଏ । ଏଣୁ ତାଣ ଖରାରେ ପଦାକୁ ବାହାରକୁ ନାହିଁ ।
- ଆବଶ୍ୟକ ସ୍ଥଳେ ବାହାରକୁ ଯିବାକୁ ହେଲେ ମୁଣ୍ଡକୁ ଓଦା ଗାମୁଛାରେ ଘୋଡ଼ାକୁ ଏବଂ ଛତା, ଘୋଡ଼ା ଓ କଳା ଚଞ୍ଚା ବ୍ୟବହାର କରନ୍ତୁ ଓ ସାଥରେ ଅଣ୍ଟାପାଣି ନିଅନ୍ତୁ ।
- ବାହାରକୁ ଯିବା ଆଗରୁ ଓ ପହଞ୍ଚିବା ପରେ ହୃଦରେ, ମାଠିଆ ଓ ସ୍ତନ ଆଦିରେ ଡବା ପାଣି, ଲେନ୍ସ ସରବତ, ଘୋଳଦହି, ଲୁଣ ମିଶା ଚୋରାଣି ପିଅନ୍ତୁ ।
- ଖରାପରେ ବାୟୁ ଚଳାଚଳ ପାଇଁ ଖୁବ୍ ଲୁଗା ବ୍ୟବହାର କରନ୍ତୁ ।
- ହାଲିଆ ଲାଗିଲେ ଛାଇ ଯାଗା ଓ ପଦନଦୀବଦ ସ୍ଥାନରେ ବିଶ୍ରାମ ନିଅନ୍ତୁ ।
- ଘରେ ଚିଣା ଓ ଆଇସକ୍ରିମ୍ ଛାଡ଼ି ଦେଲେ ତା' ଉପରେ ନଡ଼ା ବିଛାନ୍ତୁ ।
- ଦେହରୁ ଅଧିକ ଝାଙ୍କାବୋହିଲେ, ପାଟି ଅଠା ଅଠା ଲାଗିଲେ - ପ୍ରଚୁର ପାଣି, ଓ.ଆର.ଏସ୍, ଓ ପଣା ପିଅନ୍ତୁ ।



କ'ଣ କରିବା ଅନୁଚିତ୍ !

- କାଣ ଖରାରେ ଶାରିରୀକ ପରିଶ୍ରମ କରନ୍ତୁ ନାହିଁ ।
- ଦୁଧ, ଅସୁସ୍ଥ ଲୋଡ଼, ଶିଶୁ, ଗର୍ଭବତୀ ମହିଳା ଏବଂ ଉଚ୍ଚବୟସ୍କ ଓ ମଧୁମେହରେ ପୀଡ଼ିତ ବ୍ୟକ୍ତି ତାଣ ଖରାରେ ବାହାରକୁ ଯାଆନ୍ତୁ ନାହିଁ ।
- ଅଶୁଦ୍ଧାତ ରୋଗୀ ଦେହରେ ବରଫ ଘଷନ୍ତୁ ନାହିଁ ।
- କେହି ଅସୁସ୍ଥ ଅନୁଭବ କଲେ ତାଙ୍କର ଚିକିତ୍ସା ପ୍ରତି ଅବହେଳା କରନ୍ତୁ ନାହିଁ ।
- ନିଶା ପ୍ରବ୍ୟ ସେବନ କରନ୍ତୁ ନାହିଁ ।

ଓ.ଆର.ଏସ୍ ଡାକ୍ତରଙ୍କୁ ସମସ୍ତ "ଆଶା" ଅଳମସ୍ତାତି ହେଉ, ସ୍ୱାସ୍ଥ୍ୟ ଉପରେ, ସ୍ୱାସ୍ଥ୍ୟକେନ୍ଦ୍ର ଓ ସରକାରୀ ସ୍ୱାସ୍ଥ୍ୟକେନ୍ଦ୍ର ଉଦ୍ଦିଷ୍ଟରେ ମାରଣରେ ମିଳନ । ସରକାରୀ ସ୍ୱାସ୍ଥ୍ୟକେନ୍ଦ୍ର ମାନକରେ ଅଶୁଦ୍ଧାତ ରୋଗୀଙ୍କ ପାଇଁ ଚିକିତ୍ସା କରାଯାଇଛି ।

ରାଜ୍ୟ ସ୍ୱାସ୍ଥ୍ୟ ଓ ପରିବାର କଲ୍ୟାଣ ପ୍ରତିଷ୍ଠାନ, ଓଡ଼ିଶା

# ନୂଆ ଦର୍ଶନେ ନୂଆ ସଙ୍କଳ୍ପ ସତର୍କତା ହିଁ ସୁରକ୍ଷା



## ଅଶୁଦ୍ଧାତ !

ସାମାନ୍ୟ ପିଇ ପୂର୍ବରୁ ଉତ୍ତମ ଖାଲି ପାଣି ଓ ପ୍ରଚୁର ଚାଣି ପିଅନ୍ତୁ । କଳା ଚଞ୍ଚା ଓ ପାଣି ବ୍ୟବହାର କରନ୍ତୁ ନିଅନ୍ତୁ ।	କୋରାଣି, ଚାଣିକାଣି, ଦୋଧାଣି, ସାବୁନ, ଘୋଡ଼ ଦହି ଏବଂ ଚାଣି ଉପରେ ପିଅନ୍ତୁ ।	କଳା, କୋଳା, କୋଣି, ପାଉଁ, କଳା ଚଞ୍ଚା, ପୁରା ସୁରା ବ୍ୟବହାର କରନ୍ତୁ ।	ନିଷିଦ୍ଧ ପ୍ରବ୍ୟ ସେବନ ଏହାକୁ କରନ୍ତୁ ନାହିଁ ।	ନିଶା ପିଇବାକୁ ବନ୍ଦ ପାଖରେ ରହନ୍ତୁ ।

କୋରାଣି କୋରାଣି ହେଉଛି ଏକ ବିଶେଷପ୍ରକାର ଚାଣି ଯାହା ଘୋଡ଼ ଦହି ଏବଂ ଚାଣି ଉପରେ ପିଇବାକୁ ଉପଯୋଗୀ ନୁହେଁ । ଏହା ଉପରେ ପିଇବାକୁ ଗାଈର ଚାଣି ଉପରେ ପିଇବାକୁ ବଦଳାଇବାକୁ ପଡ଼ିବ । ଏହା ଉପରେ ପିଇବାକୁ ଗାଈର ଚାଣି ଉପରେ ପିଇବାକୁ ବଦଳାଇବାକୁ ପଡ଼ିବ । ଏହା ଉପରେ ପିଇବାକୁ ଗାଈର ଚାଣି ଉପରେ ପିଇବାକୁ ବଦଳାଇବାକୁ ପଡ଼ିବ ।

NDMA

ଓଡ଼ିଶା ସାମାଜିକ ସୁସମ୍ପର୍କ ପ୍ରସାରଣ ଏକ୍ସପ୍ରେସ

ସାବଧାନ !

# ଅଶୁଦ୍ଧାତକୁ ସାବଧାନ



ପାଖରେ ଥିବ ପାଣି ବୋତଲ  
ହାତରେ ଥିବ ଛତା  
ପାଦରେ ଥିବ ଚପଲ ଯଦି  
ଖରାକୁ ନାହିଁ ଚିନ୍ତା



- ଦିନ ୧୧ ଟାରୁ ୩ଟା ଭିତରେ ଖରାପ ତାପି ସବୁଠାରୁ ଅଧିକ ଥାଏ । ଏଣୁ ତାଣ ଖରାରେ ପଦାକୁ ବାହାରକୁ ନାହିଁ ।
- ଅଧିକ ପାଣି, ଓ.ଆର.ଏସ୍., ପଣା, ଚୋରାଣି, ଘୋଳଦହି, ଆଖୁରସ ପିଅନ୍ତୁ ଓ କାକୁଡ଼ି, ତରଳୁକ ଆଦି ଖାଆନ୍ତୁ ।
- ଖରାରେ କଠିନ ପରିଶ୍ରମ କରନ୍ତୁ ନାହିଁ ।
- ହାଲିଆ ଲାଗିଲେ ଛାଇ ଯାଗାରେ ବିଶ୍ରାମ କରନ୍ତୁ ।
- ମୁଣ୍ଡ ଓ ଦେହରେ ଓଦା ଗାମୁଛା ପକାନ୍ତୁ ।
- ନିଶାଖାଲ ତାଣ ଖରାକୁ ବାହାରିଲେ କାବନ ପ୍ରତି ବିପଦ ଥାଏ ।
- ଅଶୁଦ୍ଧାତ ରୋଗୀ ଦେହରେ ବରଫ ଘଷନ୍ତୁ ନାହିଁ ।

ସରକାରୀ ହାତରଖାମାନରେ ଅଶୁଦ୍ଧାତ ରୋଗୀଙ୍କ ଚିକିତ୍ସା ପାଇଁ ସୁବିଧା କରାଯାଇଛି ।

ସ୍ୱାସ୍ଥ୍ୟ ଓ ପରିବାର କଲ୍ୟାଣ ବିଭାଗ, ଓଡ଼ିଶା ସରକାର  
ପ୍ରସ୍ତୁତି : ରାଜ୍ୟ ସ୍ୱାସ୍ଥ୍ୟ ଓ ପରିବାର କଲ୍ୟାଣ ପ୍ରତିଷ୍ଠାନ, ଓଡ଼ିଶା



