

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is hereby entered into on 23 June 2022

BETWEEN:

Hubballi-Dharwad Smart City Limited, having its registered office at CSS No: 122/124, HDMC, Samskrutika Bhavan, 1st Floor, New Cotton Market Road, Hubballi - 580 029, Karnataka – (hereinafter referred to as “HDSCL”) (hereinafter called First Party).

Karnataka State Natural Disaster Monitoring Centre, Major Sandeep Unnikrishnan Road, Near Attur Layout, Yelahanka Bangalore - 560 064, Karnataka, India. (hereinafter referred to as “KSNDMC”) (herein after called Second Party)

BACKGROUND:

As part of Smart Cities Mission (SCM), Hubballi-Dharwad Smart City Limited (HDSCL) has undertaken several initiatives in the effort to make the city ‘smart’. Many of the projects being undertaken by the HDSCL include technology interventions under ICT solutions that seek to create a digital layer in urban governance. One Such Project is the implementation of the Integrated Command and Control Centre (ICCC).

The Integrated Command and Control Centre (ICCC) acts as the “nerve centre” for real-time situational analysis, operations management, day-to-day exception handling and disaster management. It also provides insights by processing complex data sets at an aggregated level to derive intelligence for improved planning and policymaking. The ICCC is envisaged to collate and aggregate information across multiple line departments and then provide actionable information with appropriate visualization for decision-makers.

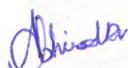
In this backdrop, HDSCL has had detailed discussions/deliberations with identified line departments. Accordingly, HDSCL has taken up the ICCC project implementation which impacts the day-to-day lives of the citizens.

WHEREAS :

- a. There are several departments, authorities and corporations that are providing civic services to the citizens of Hubballi-Dharwad.
- b. It has been agreed by the Parties that service delivery to the public at large could be substantially augmented and provided in a more effective and efficient manner if the Parties collaborate, work together, share and disseminate information that is of interest to the public.
- c. ICCC would collect data/information from various stakeholders and disseminate the same to the public through various channels such as One City One Portal, One City One App, Open Data Portal, Public Address System etc.
- d. Parties have accordingly agreed to enter into this MoU to record their understanding of the extent and nature of their cooperation.
- e. The ICCC would be developed by HDSCL under the Smart City Mission of the Government of India, as part of its Pan City Proposal.


Nodal Officer
Hubballi-Dharwad Smart City Limited

Page 1 of 4


Nodal Officer
Karnataka State Natural Disaster
Monitoring Centre

NOW THEREFORE IT IS AGREED AS FOLLOWS:

1.0 PURPOSE

- 1.1 The objective of establishing Integrated Command and Control Centre (ICCC) is to focus on the functional aspect of governance through ICCC with the objective of enhancing collaboration across multiple civic bodies to achieve efficiency and effectiveness through standardization, achieve better situational awareness for bringing in optimization, and reduce human touch-points in providing response and developing capability to manage complex situations in real-time through ICCC.
- 1.2 Based on the requirements, as ascertained by the High-Level Committee (refer to clause 3.0 of the MoU) more entities could be added to this MoU that support the objectives of the ICCC.

2.0 ROLES & RESPONSIBILITIES OF PARTIES

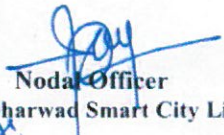
The parties concerned have also agreed to their roles as mentioned below :

a. First Party:

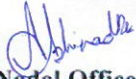
- To set up ICCC & depute its personnel at the ICCC.
- To provide updates on installation/ maintenance of the equipment relating to ICCC.
- Managing the contracts and relationships with the contractors responsible for installation, maintenance, and upkeep of the systems deployed by HDSCL
- Managing the contracts and relationships with the contractors responsible for construction and maintenance of ICCC
- Cooperate and work with Parties both at strategic and operational levels to ensure that the ICCC achieves its objectives
- Cooperating with each other in responding to Standard Operation Procedures (SOPs) in handling incidents such as Bus Breakdown/accident, Mobility Planning.
- Cooperating with each other in providing analytics for better city planning and data-driven decision making
- Any other responsibility as mutually agreed

b. Second Party:

- To provide necessary datasets in the specified formats through a web service (APIs) or any other process defined by the First and second parties to the ICCC platform on a real-time basis or at specified intervals as applicable for the relevant datasets. Information on datasets to be shared by various stakeholders and the relevant details to be shared. The format in which these data are required and the data sharing process will be finalized consultatively based on the present readiness of the second party. It could be re-defined through mutual consultation at any point in time if needed.
- To provide the data in the required format to the First Party in case it is not possible for the data to be pulled through web services or it is not possible to do a specific analysis using the web format by the First Party.


Nodal Officer
Hubballi-Dharwad Smart City Limited

Page 2 of 4


Nodal Officer
Karnataka State Natural Disaster
Monitoring Centre

- To provide APIs / Dataset explanation and brief support.
- Any other responsibility as mutually agreed.

c. Data disclosure:

- Sharing of data will be governed by the data sharing policies of the State Government as and when they are in place or till such time by the data sharing policies of the Second Party.
- The First party undertake to utilize the data obtained from the second Party solely for the purpose of planning for the state and will not disclose or share the data to any other without the specific approval of the Second Party however, the publication of project/scenarios based on the Data on the ICCC portal for the purpose of enabling public feedback would not require prior approval.

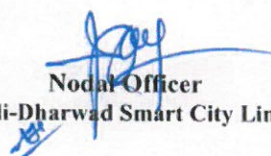
Sl. No.	KSNDMC Use Cases	Data Points
1	1) Heavy Rain & Flood Alert a. HR - Heavy Rain ($> = 64.5$ to < 124.4) b. VHR - Very Heavy Rain ($> = 124.4$) 2) Heat Wave information. 3) Lightning alert.	1. Locations of the Rainfall monitoring system, Weather monitoring stations, Water level monitoring to plot on the Geo-Map of ICCC; 2. Real-time data and respective legend. Real-time weather, rainfall predictions, Thunderstorms, lightning, flooding, landslides & others.
2	Water level monitoring system.	3. Alerts on low lying areas vulnerable to flooding 4. Flood vulnerable zones, landslide-prone zones in Hubballi-Dharwad - GIS layer 5. "Megha Sandesha" and "Sidilu" mobile app integration with Citizen Grievance app developed by HDSCL.

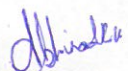
3.0 RELATIONSHIP BETWEEN THE PARTIES

- This MoU reflects the general understanding reached between the Parties for working together on the matters related to ICCC and does not authorize a Party to represent any other Party/Parties.
- Except as otherwise agreed, the Parties shall bear their costs and expenses in relation to discharging their respective roles under the MoU.

3.0 VALIDITY AND TERMINATION

- Unless terminated earlier or extended by the Parties, this MoU shall remain valid for a period of five (5) years from the date of execution of the MoU.

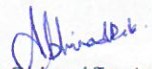

Nodal Officer
Hubballi-Dharwad Smart City Limited


Nodal Officer
Karnataka State Natural Disaster
Monitoring Centre

4.0 GENERAL

- 4.1 This MoU shall not affect any existing agreement or any other arrangements that the Parties may have relating to the matters covered under the MoU.
- 4.2 Any amendments to this MoU shall be in writing and signed by the authorized representatives of the Parties.
- 4.3 The official and binding language of this MoU, as well as the official and binding language between the Parties in connection with the MoU will be the English language.
- 4.4 That every dispute, a difference of question between parties arising out of this MoU will be mutually settled by the parties.

IN WITNESS WHEREOF, the Parties, by their duly authorized officers, have executed this MoU as given above.

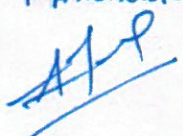

Senior Scientific Assistant,
Karnataka State Natural Disaster
Monitoring Centre,
Bengaluru

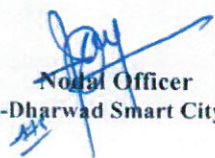

Nodal Officer
Hubballi-Dharwad Smart City Limited,
Hubballi-Dharwad

Signed by a duly authorized signatory for and Witness on behalf of Karnataka State Natural Disaster Monitoring Centre:

Witness: S.S.M. GAVASIKAR, J.S.U, KSNDC
S.S. TP 

Signed by a duly authorized signatory for and Witness on behalf of the Hubballi-Dharwad Smart City Limited: MANAGER - ICT - HDSC

Witness: 


Nodal Officer
Hubballi-Dharwad Smart City Limited

Nodal Officer
Karnataka State Natural Disaster
Monitoring Centre