Map showing roads connecting COVID-19 hospitals of M.P. state

Map of Madhya Pradesh showing COVID-19 hospitals and connecting roads

Labels on map: J.A.H MEDICAL COLLEGE, Govt Medical College, Govt Medical College Shivpuri, SIDDHI VINAYAK MULTI SPECIALITY HOSPITAL, Bundelkhand Medical College, ABV Govt Medical College, Govt Medical College Ratlam, R D Gardi Medical College, GMC +T B Hospital, AIIMS, Amaltas Institute of Medical Science, Shri Auribindo Institute of Medical Science, Index Medical College Hospital & Research Centre, GMC Medical college, Shyam Shah Medical College, NSCB MEDICAL COLLEGE, Govt Medical College, Chhindwara Govt. Medical College, G.H

Legend

- —— Roads (Div. hospital to AIIMS)
- ⊕ Hospital
- —— Roads (Div. hospitals to D.H)
- —— Roads
- Gwalior Div.
- Ujjain Div.
- Sagar Div.
- Rewa Div.
- Jabalpur Div.
- Shahdol Div.
- Indore Div.
- Bhopal Div.
- Narmadapuram Div.

Scale: 0 — 100 — 200 — 300 km

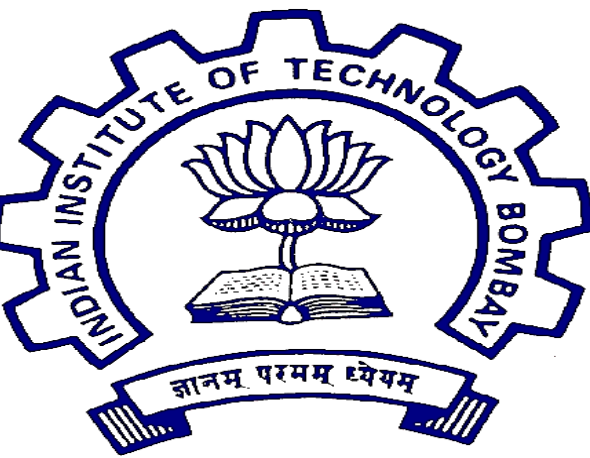## Map description and analysis

Introduction:

- The Madhya Pradesh State consists of 52 districts, 10 divisions and 412 Tehsil. Out of which we have covered 10 divisions and merged Chambal division with Gwalior division. We are aiming to show the COVID-19 hospitals, shortest routes (roads) connecting major hospitals for treatment and distribution of vaccines in fastest possible way for Madhya Pradesh State.

Roads connecting major COVID-19 hospitals with district hospitals (D.H):

- We have located 57 hospitals which includes 26 major COVID-19 hospitals and 31 government and district hospitals.
- We marked the shortest route (roadways) connecting major hospitals with small district hospitals in order to provide best suitable option to the people in COVID-19 situations.
- We have connected the AIIMS hospital (largest) with major hospitals of other divisions via shortest route for emergency purpose.
- Naxal hit areas like Balaghat, Mandla, Sidhi, Singrauli, Anuppur, Umaria, etc. are also connected with major COVID-19 hospitals of the state.

Road connectivity:

Division hospital	Shortest distance (km) from AIIMS Bhopal
J.A. Hospital, Gwalior	427
R.D. Gardi, Ujjain	209
NSCB medical college, Jabalpur	289
Shri Auribindo Hospital , Indore	200
Hoshangabad district hospital	71
Bundelkhand medical college, Sagar	182
Shahdol Govt.medical college	484
Shyam Shah medical college, Rewa	498
Total	**2360**

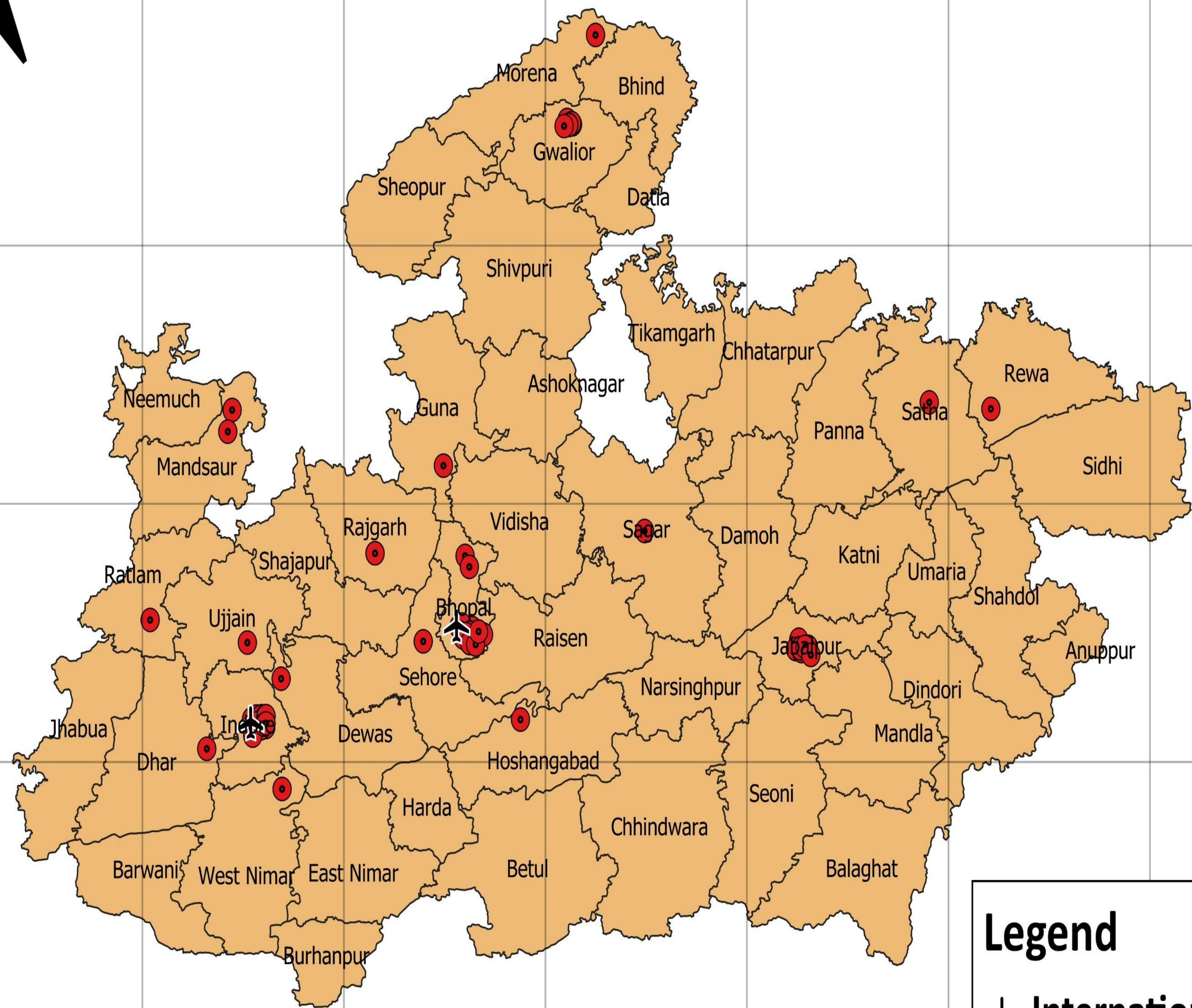**Team Name:** Gryffindor (mapathon3188)

Topic: COVID-19 analysis

Team: Arshee (Lead), Abdul, Shreyash, Yashwant

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UK return travellers in M.P.
(Suspected COVID-20 Hotspots)

Legend

✈ **International Airport**

◉ **UK return travellers**

▢ **M.P. Districts**

Data courtesy: BHUVAN, Airport Authority of India, National Health Mission M.P. (NHMMP).

Map description and analysis

Introduction:
A new strain of COVID-19 i.e. COVID-20, is causing a wave of fear in London and researchers are worried that it may be an even more contagious version of the coronavirus. So, here in this map we have located the UK return travellers of M.P. state in December 2020.

COVID-20:
We mapped total 84 UK return travellers and it is clearly visible that big cities like Bhopal, Indore, Jabalpur, and Gwalior are emerging new cluster of COVID-20.
- According to the referred data, the last traveller landed in Delhi (and reached Bhopal, M.P.) on 21/12/2020 via AI162 flight number (London to Delhi)
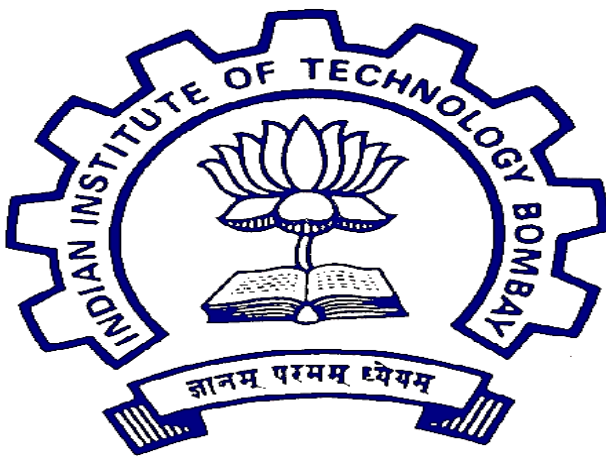
UK return travellers:

Place	UK return travellers
Bhopal	19
Indore	33
Gwalior	6
Jabalpur	10

- Districts like Morena, Dhar, Guna, Ujjain, Sagar, Ratlam, West Nimar, Hoshangabad, Rewa, Dewas, Sehore, and Satna have only one UK return traveller each.
- And districts like Mandsaur and Rajgarh have two UK return travellers each.

Application:
This may be handy to the government to control the new emerging clusters of COVID-20.

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