

## 1. Drive Test Detail

### 1.1. Schedule

SN	Date	Time	
		From	To
1	24-April-2023	9:00 AM	11:30 AM
2	24-April-2023	5:30 PM	8:00 PM
3	25-April-2023	9:00 AM	11:30 AM
4	25-April-2023	5:30 PM	8:00 PM

### 1.2. Drive Routes

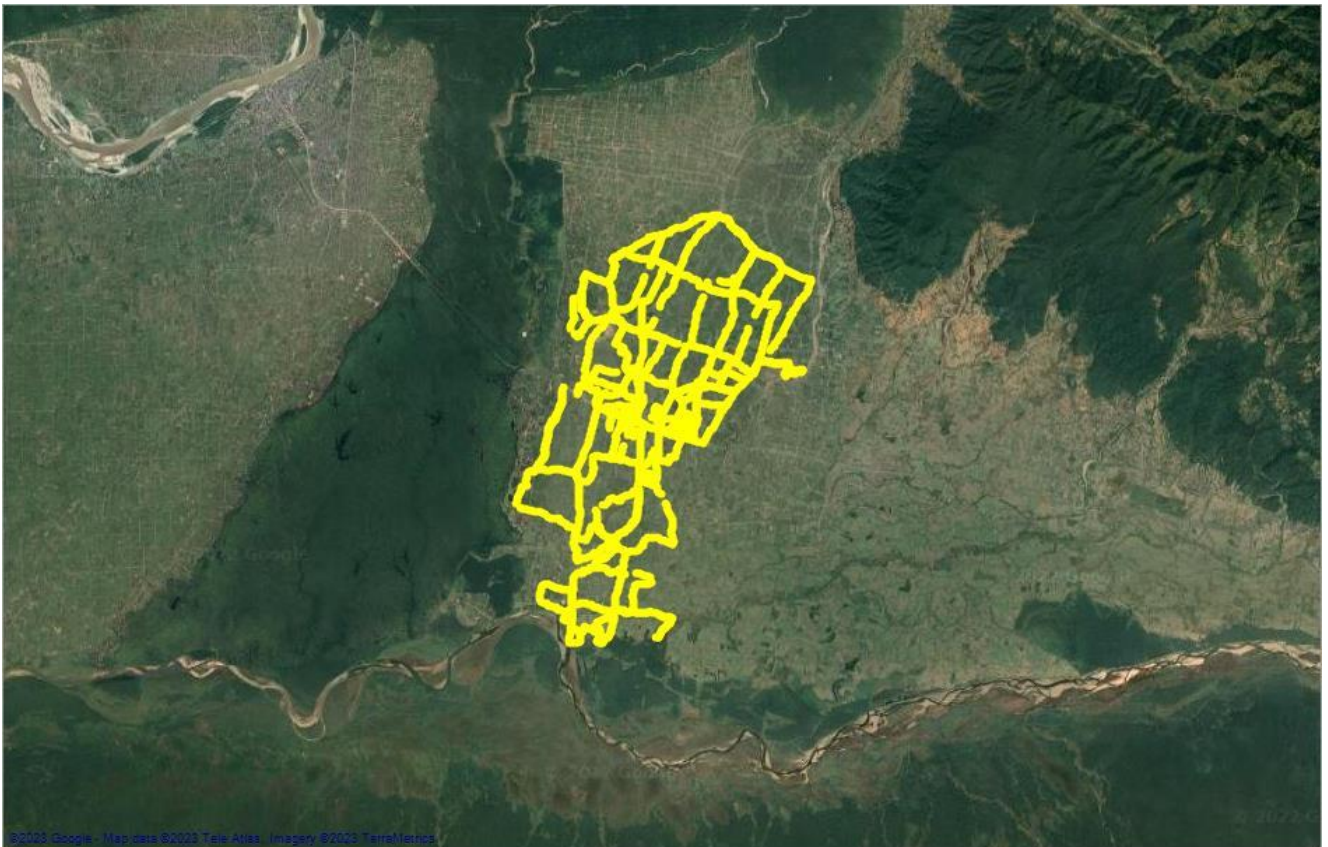


Figure 1 Cluster boundary with drive route

Area covered: major landmarks, institutions, roads



## Ncell Network Drive Test- Ratnanagar

### 2. Test Results

#### 2.1.Voice Test

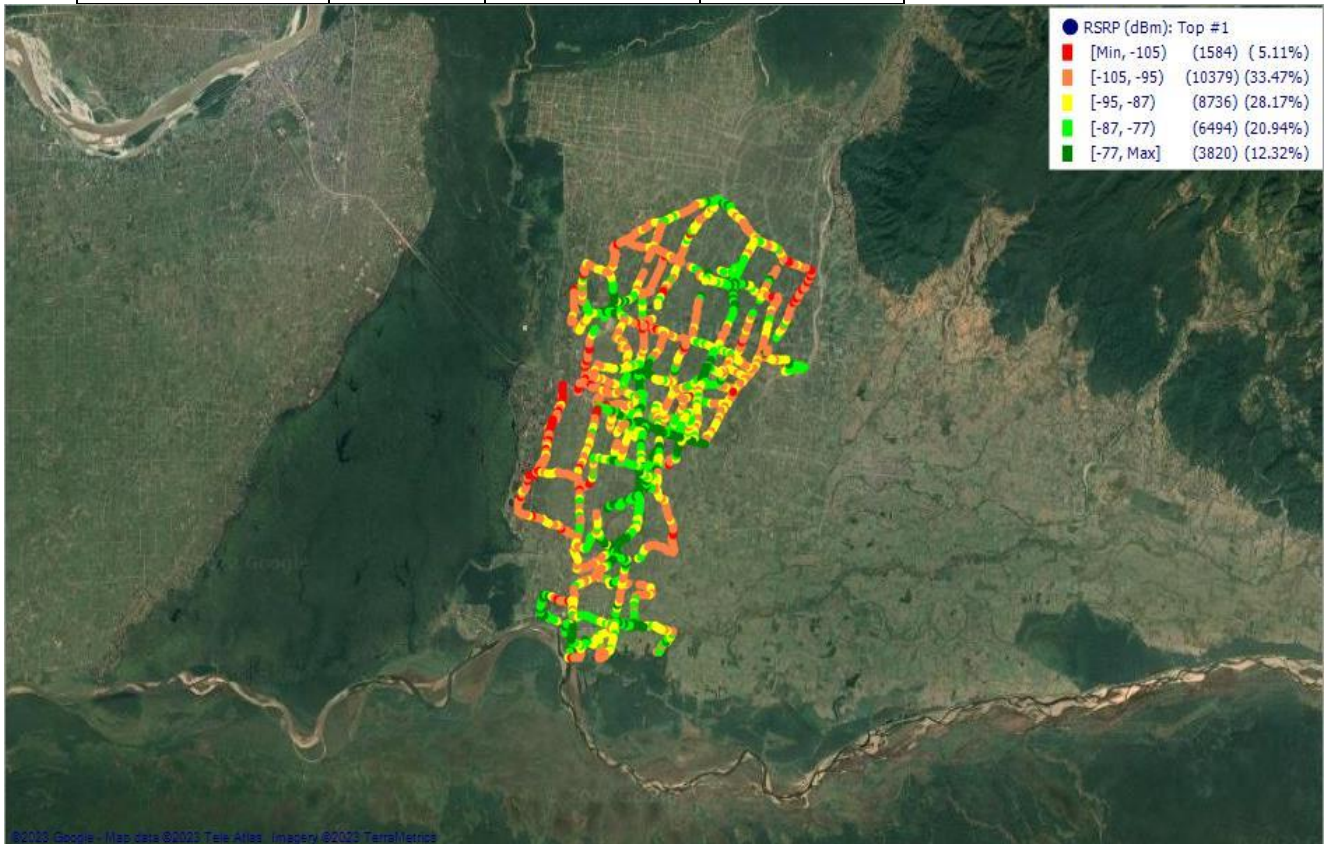
##### 2.1.1. Call Connection Time

SN	Drive Test KPI Item	Result	Unit	Remark	Formula
1	Call Connection Time	5.52	sec		
<p>Remarks: Regarding the call connection time, Ncell was reported 5.52seconds compared to the 5 seconds standard of the QOS bylaw of 2073. Since the area is 4G covered, any CS call must go through additional signaling process required for fallback to lower technology. Hence these additional signaling will consume extra time. Ncell is allowing paging timer interval of 6 seconds each that runs for two consecutive cycles to have more successful calls for our users. Therefore, it is difficult to have a Call Setup Time of 5 seconds. Ncell has been officially communicating with NTA(letter reference number 719/076/077), requesting amendment in the threshold stated in the QOS bylaws.</p>					Average all connection time of total successful calls

## Ncell Network Drive Test- Ratnanagar

### 2.2. 4G coverage (RSRP)

Range	Count	Density %	Cumulative %
[Min, -105)	1584	5.11	5.11
[-105, -95)	10379	33.47	38.57
[-95, -87)	8736	28.17	66.74
[-87, -77)	6494	20.94	87.68
[-77, Max]	3820	12.32	100



\*\* At co-ordinate 27.63071 84.4959 we have planned a new site, but the site was canceled due to the owner and community didn't allow to put the tower.

### 3. QoS Parameters Summary

SN	DT KPI	Unit	NTA Threshold	Result
1	Voice Call Setup Time (MO/MT) (Call Connection Time)	s	<=5	5.52
2	RSRP (4G) –(level -87dBm)	%		33.26
3	RSRP (4G) –(level -95dBm)	%		61.43