

**PROPOSAL FOR 63.54 Ha. PROPOSED
GREENFIELD AIRPORT
AT VILLAGE-VIHIRGAON AND MURTI,
TALUKA-RAJURA , DISTRICT CHANDRAPUR
MAHARASHTRA STATE.**



Forest Proposal No: FP/MH/Others/42471/2019
PROPOSAL UNDER FOREST (CONSERVATION)
ACT, 1980

For
Maharashtra Airport Development Company Limited
8th Floor, World Trade Centre
Cuffe Parade, Mumbai-400005

Brief Overview of the Proposal

- The purpose of this Request for Proposal is to seek the forest clearance under the Forest Conservation Act 1980 and necessity of the proposal for obtaining forest clearances for proposed Greenfield Airport at Chandrapur in village Vihirgaon and Murti Tahsil Rajura District Chandrapur, to accelerate the industrial growth and facilitate the transportation to and from important parts of the Country. Socio-economic standards of people will be improved due to increased employment opportunities provided by this project. This will also help medical emergencies in Naxalite area of Gadchiroli district. This will also lead to economic development of the backward Region of the Vidharbha Area.
- The user agency has already submitted the proposal for 75.24 Ha earlier but as suggested by Government of Maharashtra and DyCF Central Chanda, Chandrapur re-submitting revised proposal as per WII Dehradun, Mitigation Measures. To reduced 200 m area from Varaspindi Nala to reduced runway and safety area (RESA) in northern side. Total reduced area is 11.70 Ha and the corrected area for the proposed Greenfield Airport is 63.54 Ha .

As per Pre-feasibility report by Airports Authority of India

- In the past, upon request of MADC, AAI had surveyed the existing Morwa airport at Chandrapur to explore the possibility of its expansion but it has been observed that the present airport is not suitable for further extension due to industrialization and non-availability of land.
- MADC vide letter no: **MADC/Chandrapur/39/1041 dated 21.11.2017** had requested AAI to undertake a Pre-feasibility study for setting up a Greenfield Airport near Mauja-Murti and Vihirgaon, District Chandrapur, Maharashtra.
- Accordingly, the team of officials has visited the proposed site on **03.01.2018**.

ECONOMY:

- Agriculture and industries are the largest parts of the state's economy.
- Major industries include Cement industries, Mining and Defence (Ammunition), Power generation.
- Physical features and land use pattern of the district indicate that agriculture is the main activity in the district.

INDUSTRY:

- The region is very rich in mineral wealth such as coal and limestone.
- Due to its large number of coal mines, the city is also known as **Black Gold City**.
- About 6000 small, medium and large scale industries are located at Chandrapur district.
- Western Coalfields Limited (WCL), a subsidiary of Coal India, has many mines here.
- Chandrapur Super Thermal Power Station by Maharashtra State Power Generation Company Limited is biggest pit head thermal power station.
- The city houses various cement factories in its vicinity.

Manikgarh Cement, a division of Century Textile and Industries, part of the BK Birla group of companies, Ultra Tech Cement (formerly L&T Cement), a division of Grasim Industries, part of the Aditya Birla Group; Chandrapur Cement Works, a division of Associated Cement Companies, part of Holcim Group; and Maratha Cement Works, part of Ambuja Cements Limited.

- The district also boasts of having Ballarpur Industries Limited, the largest manufacturer and exporter of paper in India.
- Chandrapur ferro alloy plant (formerly Maharashtra Elektros melt Ltd), a ferro-manganese plant, and a silico-manganese plant of Steel Authority of India Limited. Chandrapur's ferro alloy plant is the largest manganese-based ferro alloy producer in the country.

TOURISM POTENTIAL:

- 1) One of the most famous tourist attractions located in the district is the Tadoba-Andhari Tiger Reserve.
- 2) The city of Chandrapur has ancient temples of the goddess Mahakali and of Anchareshwar, a form of the god Shiva.

Famous places of Chandrapur.

- A) Anandvan Ashram, Warora
- B) Ballalpur Fort
- C) Bhadravati Jain Temple
- D) Chandrapur Fort
- E) Ghora Jhari Lake
- F) Junona Lake
- G) Mahakali Mandir
- H) Manikgarh Fort
- I) Tadoba Andhari Tiger Reserve
- J) Vijasan Hills

Nearest RAIL, ROAD & AIR Transport Centers

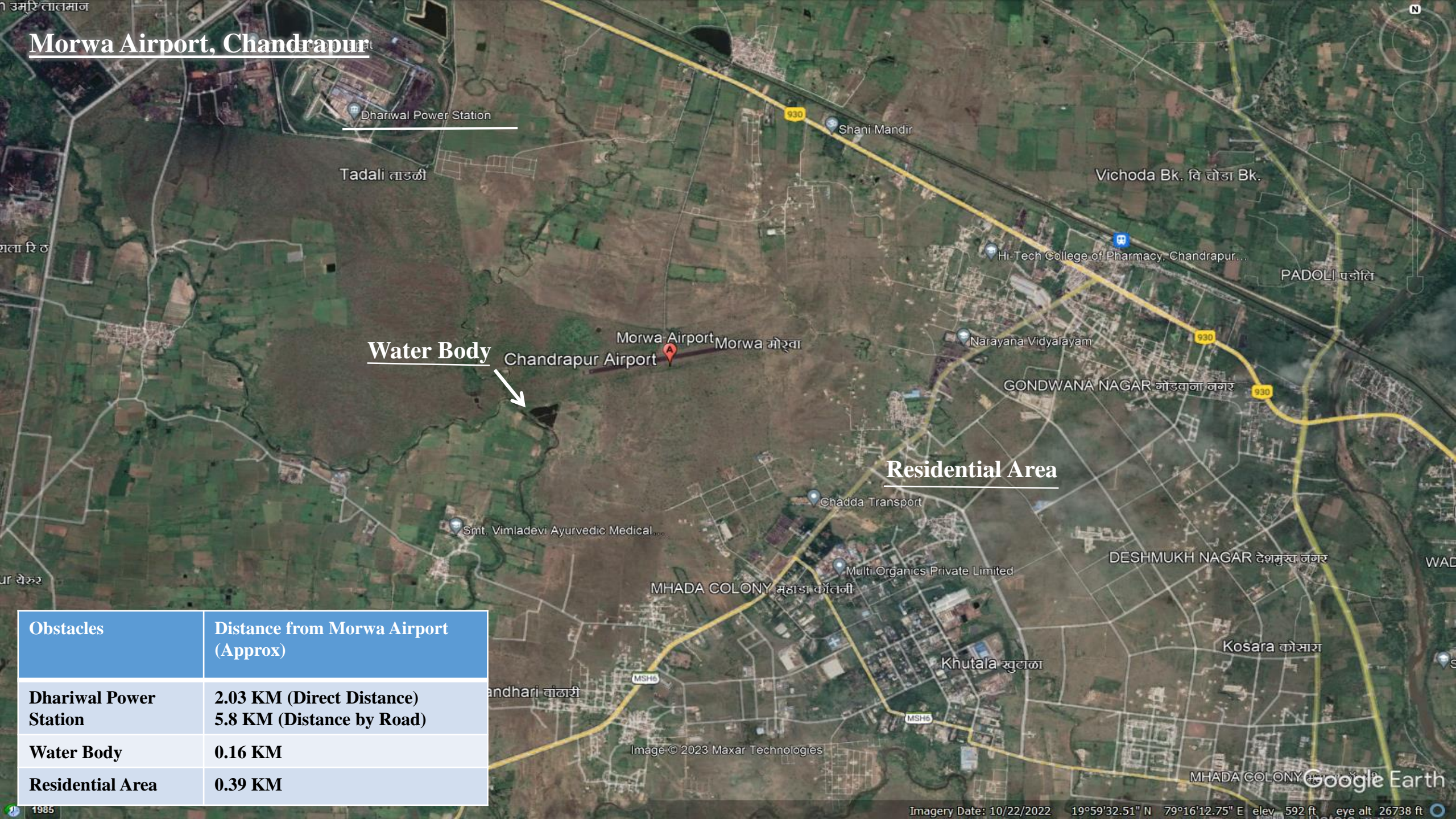
Name & Distance of the proposed site to Nearest city centre	Nearest Railway station	Name of Operational Airport and Approx. aerial distance
28 km south of Chandrapur Town	Chandrapur Railway Station Ballarpur Railway Station	Nagpur Airport - 86 Nautical Miles (NM) (159.272 KM) Amravati Airport- 117 NM (216.684 KM) Gondia Airport- 118 NM (218.536 KM) Raipur Airport- 154 NM (285.208 KM)

Morwa Airport, Chandrapur

Existing Morwa Airport is **39 km** away from proposed Murti Airport however Morwa airport development is limited by surrounding Following obstructions,

- * All sides of Morwa Airport are connected to areas connected / touched to the boundaries of residential and industrial areas.
- * Government land is not available for expansion of the Morwa airport.
- * Heighted chimneys of Dhariwal Power plant is approx 2.03 Km the Morwa airport.
- * The nearest area is covered with high tension power lines connected from chandrapur super thermal power centre.
- * Water Body is approx 0.16 Km away from Morwa airport.

Only chartered flight of limited capacity can be handled on this airport. The new Greenfield Airport is proposed for development of commercial and cargo facilities. Thus, to cater the with future need of air transportation, Greenfield Airport is proposed near Rajura town.



Morwa Airport, Chandrapur

Water Body

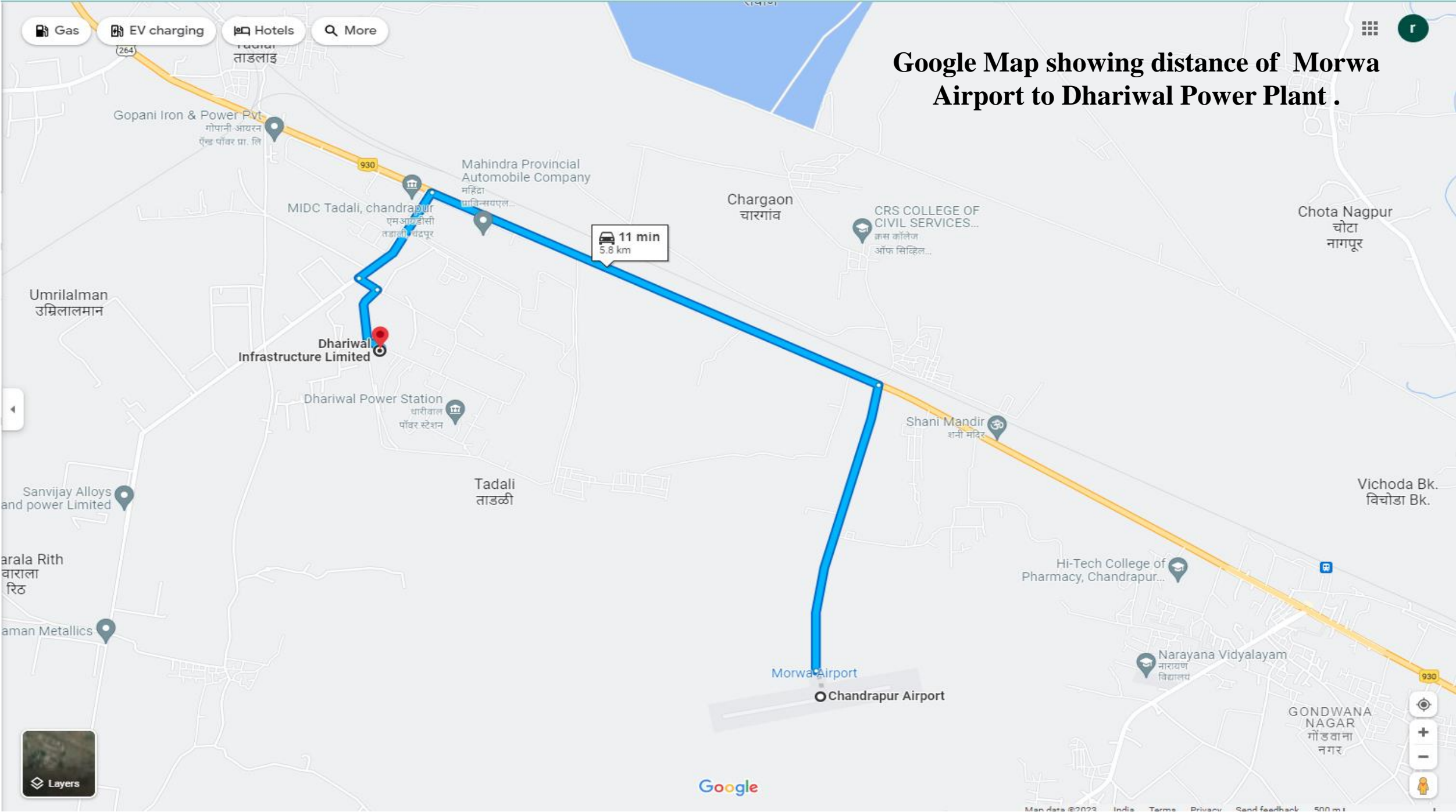
Residential Area

Obstacles	Distance from Morwa Airport (Approx)
Dhariwal Power Station	2.03 KM (Direct Distance) 5.8 KM (Distance by Road)
Water Body	0.16 KM
Residential Area	0.39 KM

Dhariwal Power plant



Google Map showing distance of Morwa Airport to Dhariwal Power Plant .



Following alternate locations were surveyed and studied by MADC but except Murti these sites are not suitable for airport.

1.Village - Mouza Sushi Daabgaon and Kelzar, Taluka - Mul, District - Chandrapur - Site visit date - 30/09/2013.

MADC team surveyed the site on 30/09/2013 and total land 388.62 ha was proposed for Greenfield Airport but land of Kelzar, as per revenue record belongs to Samudayak Society & Ambedkar Society and Sushi Daabgaon land belongs to forest department and also has nuisance of Naxalities. Forest area required in this site was more than 100 ha.

2.Village - Visapur, Taluka - Ballarpur, District - Chandrapur - Site visit date - 18/07/2009.

Surrounded by chimney of Ballarsha paper mill, Telephone antennas, High tension electric towers, difference in level with Surrounding area, obstructions in approach & inner horizontal surface. Even most of area is reserved and protected forest.

3.Village - Kothari, Palasgaon, Ambodi, Taluka - Ballarpur, District - Chandrapur - Site visit date - 18/07/2009.

Surrounded by of Antena (Telecom etc), Low elevation causes flood due nereby Nullah & River, major state road passing though area, approach on Eastern side has obstruction, hill in outer horizontal surface. Forest area in this site was quite high.

4.Taluka - Bhadravati, Village-Chandankheda and Dhorwasa - Site visit date - 03/01/2014.

Site is 18kms inside Nagpur-Chandrapur highway has coal mines of WCL and some land from MIDC was allotted to Nippon Denro. As per possession on 7/12, the ownership of land belonged to Nippon Denro at the time of survey. Electric power station of NTPC Badravati is available in near vicinity. 05 HT line towers were passing through this land. Ordnace factory, Badravati has potable water line from this site. Over burden material of WCL is dumped at the Site.

1.Village - Mouza Sushi Daabgaon and Kelzar, Taluka - Mul, District - Chandrapur - Site visit date - 30/09/2013.



**Samudayak and
Ambedkar Society**

**Residential Area Inside the Proposed
Site.**

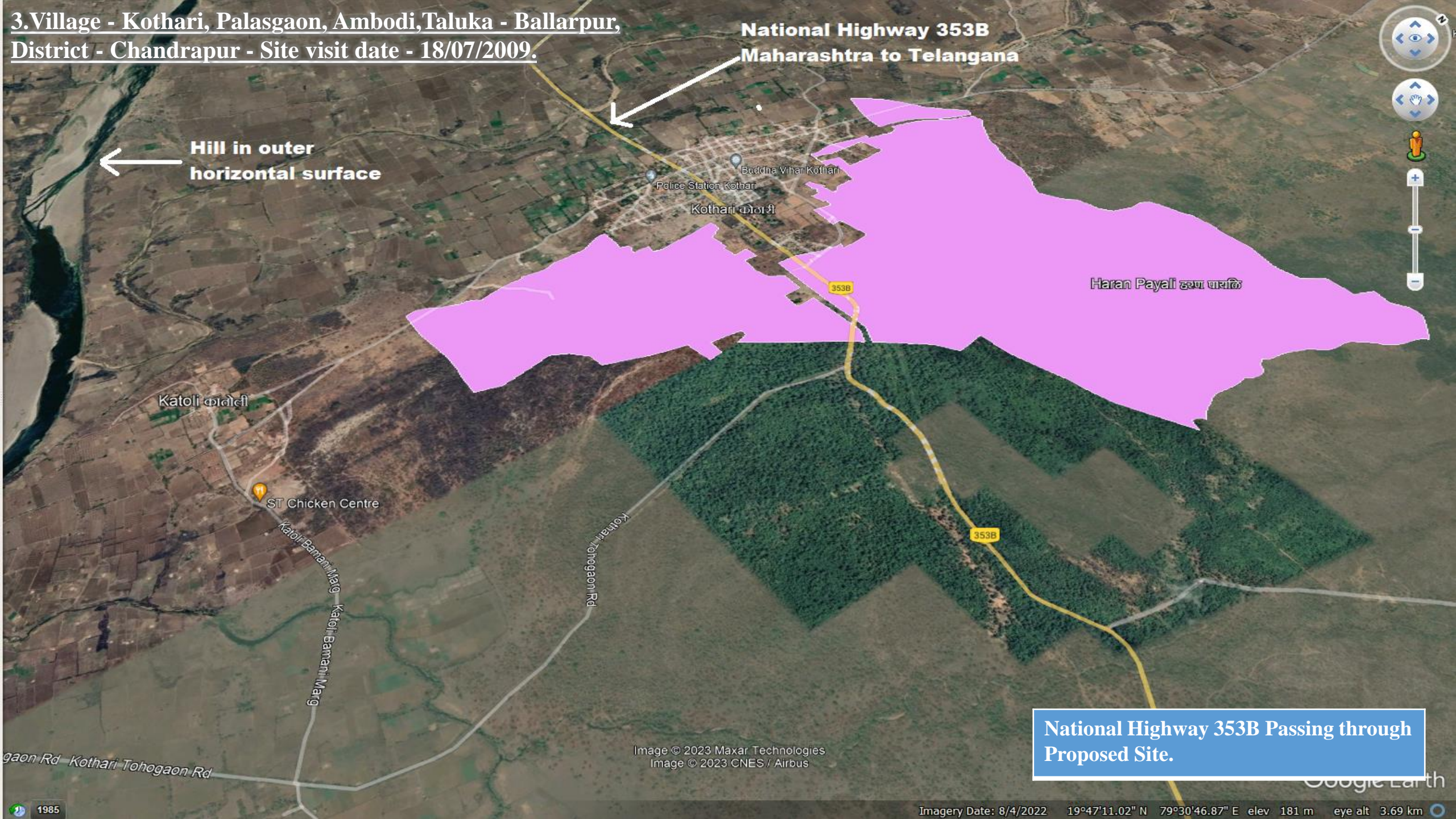
Image © 2023 Maxar Technologies

2.Village - Visapur, Taluka - Ballarpur, District - Chandrapur - Site visit date - 18/07/2009.



Obstacles	Distance from Proposed Site (Approx)
Ballarsha Paper Mill	2.38 KM
MSETCL Ballarsha a substation	0.19 KM

**3. Village - Kothari, Palasgaon, Ambodi, Taluka - Ballarpur,
District - Chandrapur - Site visit date - 18/07/2009.**



**National Highway 353B
Maharashtra to Telangana**

**Hill in outer
horizontal surface**

Buddha Vihar Kothari
Police Station Kothari
Kothari कोठरी

Haran Payali हरण पायली

Katoli कोटोली

ST Chicken Centre

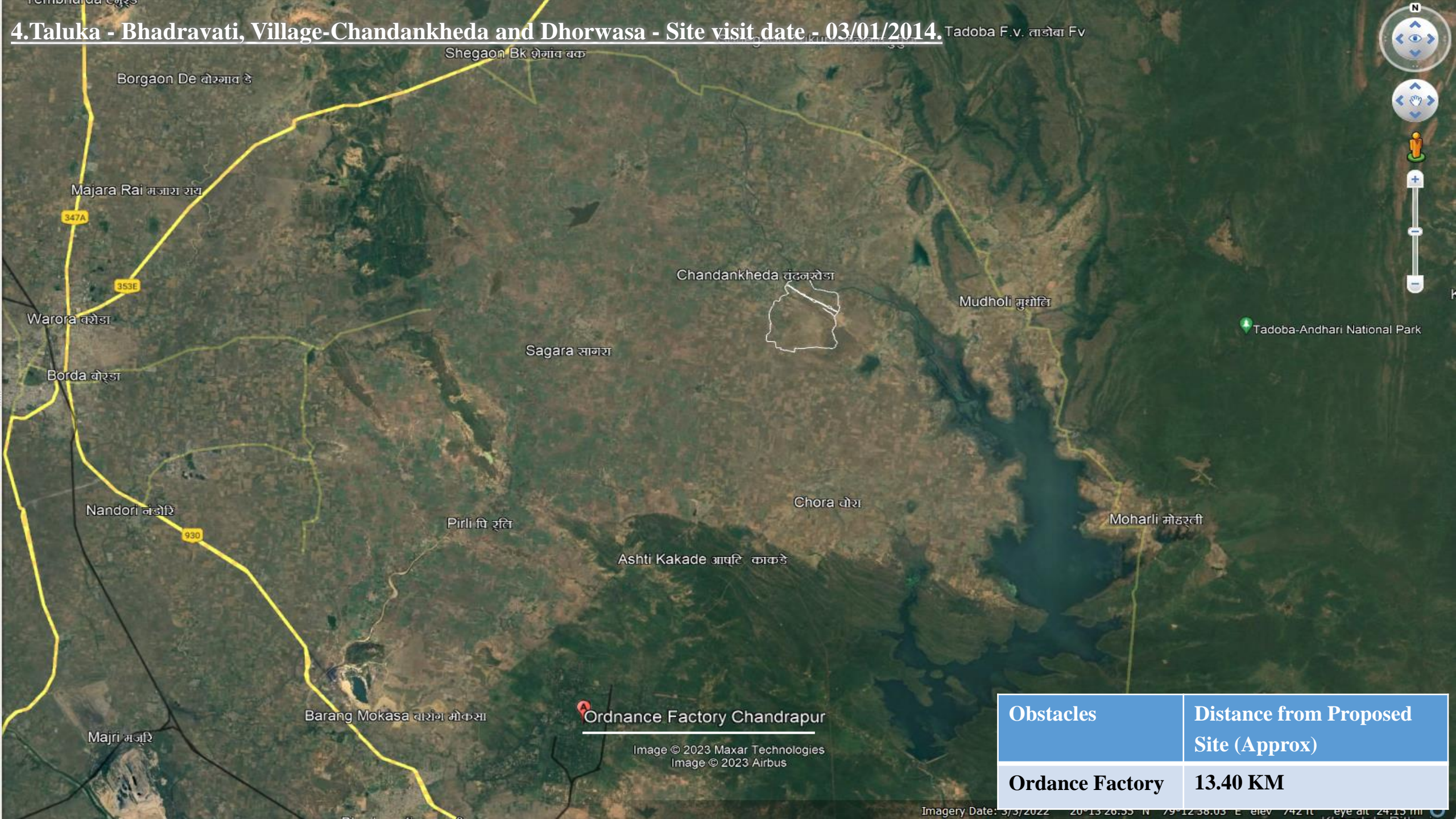
Katoli Barnani Mang
Kothari Tohogaon Rd

**National Highway 353B Passing through
Proposed Site.**

Image © 2023 Maxar Technologies
Image © 2023 CNES / Airbus

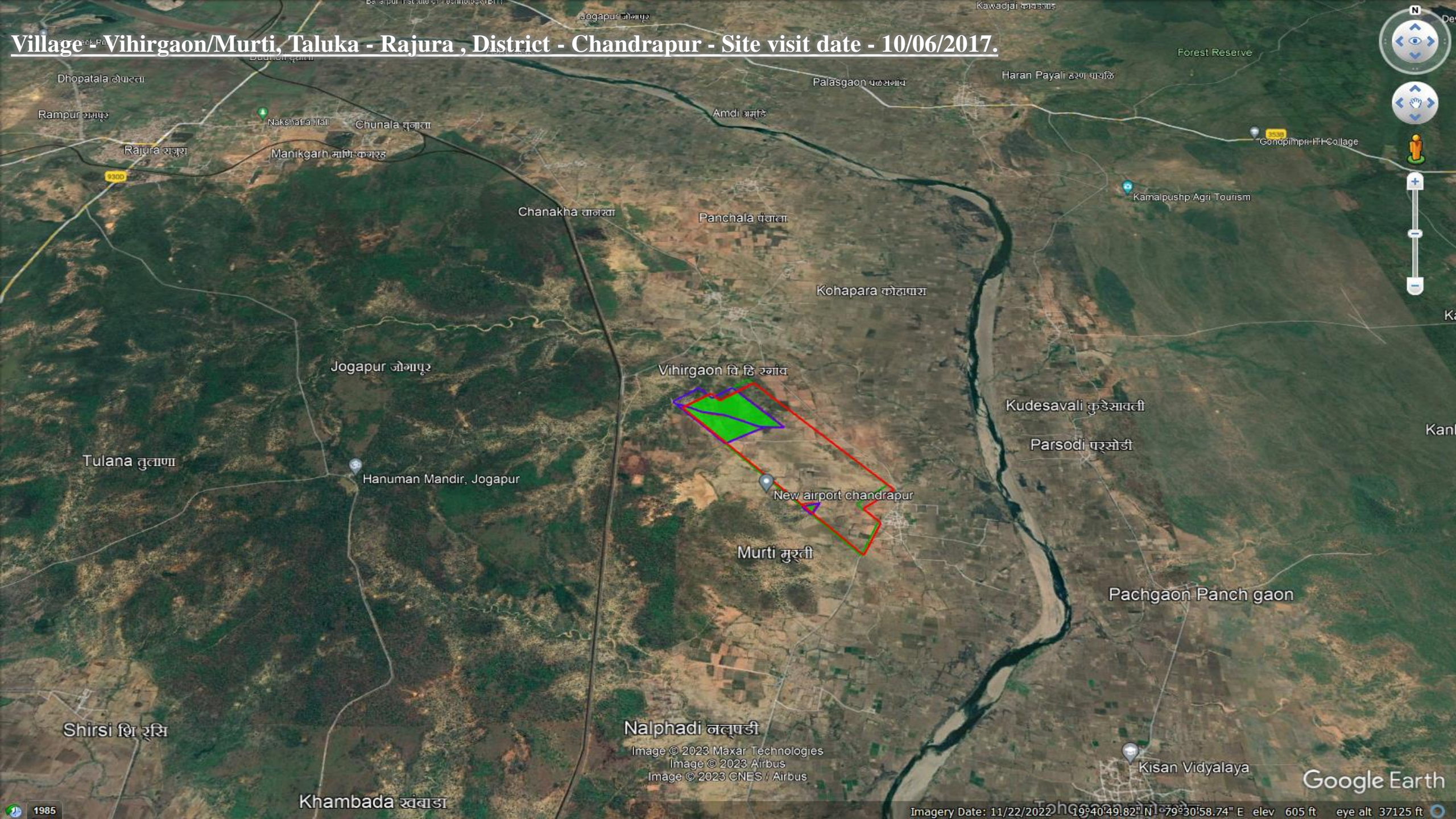
Imagery Date: 8/4/2022 19°47'11.02" N 79°30'46.87" E elev 181 m eye alt 3.69 km

4.Taluka - Bhadravati, Village-Chandankheda and Dhorwasa - Site visit date - 03/01/2014. Tadoba F.v. ताडोबा Fv



Obstacles	Distance from Proposed Site (Approx)
Ordance Factory	13.40 KM

Image © 2023 Maxar Technologies
Image © 2023 Airbus



Village - Vihirgaon/Murti, Taluka - Rajura , District - Chandrapur - Site visit date - 10/06/2017.

Dhopatala दीपतरा

Rampur रामपुर

Rajura राजुरा

Nakshatra Mall

Chunala चुनला

Manikgarh मानिकगरह

Chanakha चानखा

Panchala पंचाला

Kohapara कोहापरा

Jogapur जोगापुर

Vihirgaon विहिरगाव

Tulana तुलाणा

Hanuman Mandir, Jogapur

New airport chandrapur

Murti मूर्ती

Kudesavali कुडेसावली

Parsodi परसोडी

Pachgaon Panch gaon

Nalphadi नलपडी

Image © 2023 Maxar Technologies
Image © 2023 Airbus
Image © 2023 CNES / Airbus

Kisan Vidyalaya

Google Earth

Khambada खंबाडा

Imagery Date: 11/22/2022 19°40'49.82" N 79°30'58.74" E elev 605 ft eye alt 37125 ft

Mitigation Measures Suggested By WII Dehradun

Maharashtra Airport Development Company Ltd. (MADC), Govt. of Maharashtra has proposed the Greenfield Airport close to Chandrapur, Maharashtra. The construction site of the proposed Greenfield Airport is at Murti village (GAMV), Chandrapur, Maharashtra that is surrounded by the tiger habitats. Given this, MADC has desired a need for wildlife study around the proposed site. Therefore, Memorandum of Understanding (MoU) was signed between MADC and the Wildlife Institute of India, Dehradun. As per the report submitted by Wildlife Institute of India, Dehradun following mitigatory measures.

- a. Re-align airport boundary or reduce the area of “ Runway end safety area”.
- b. Restoration and strengthening of existing wildlife habitat along the corridor and in the forests of Chandrapur Division, Maharashtra
- c. Minimize the likely impact of peripheral lights and sound level.
- d. Undertake suggested mitigatory measures across roads passing through the existing corridor and minimize the extent of increased disturbance with this development in this landscape.
- e. Wildlife use shall be monitored during the construction phase and for five years once the airport is operationalized. The estimated budget is Rs. 475.00 Lakhs. All the costs for such monitshall be met by MADC. The Wildlife Institute of India shall provide a separate proposal with the cost details.
- f. MADC shall consider and accept any mid-term mitigatory measures suggested based on the monitoring undertaken during construction and after operation of the airport by the Wildlife Institutes of India.
- g. A committee shall monitor the compliance of suggested mitigatory measures.

Site visit by WII team to proposed Airport site.



REQUIRED AREA

Actual requirement of land for this project is **339.94 ha** however MADC bifurcated the said project in two phases as per the requirement of essential mandatory area and optional development area as per the availability of funds with user agency. Forest area required is most essential part of the project because forest area is proposed for runway strip. Acquisition of Private land is time consuming that's way it was shown as phase II. However, in present circumstances both phase I & phase II are merge together and acquisition process started for phase II also.

Generally for A320 requires run way strip of 3000 meters and total area required is approximately 400 ha. However, in this proposed airport, area involved is 339.94 ha. And forest area involved is 63.54 ha.

The flood line of wardha river is 1.2 km from the proposed new greenfield airport boundary and it will not affect the construction as well as the airport activities.

Total area required for the GreenField Airport Chandrapur is 339.94 ha. This is to be developed in 2 phases:

- Phase 1 – 720 acres (291.37 ha)
- Phase 2 – 120 acres (48.57 ha)

Phase 1 forest land required as below

Sr no	Village	Survey/comptt.No	Area in ha.	Status of land
1)	Vihirgaon	173	36.70	Reserve forest
2)	Murti	593	25.27	Protected forest
3)	Murti	200	1.57	Reserve forest
		Total land	63.54	

Following benefits and development possible because of this Project

- * Employment generated consequent to the activities in the Greenfield Airport Project will benefited around **600** people (Direct including through Contractors and indirect self-employment).
- * The project will have tremendous boost to the local and the regional economy benefiting population over **2 lakhs**.
- * Ample commercial opportunities will become available for economic development in the Chandrapur District through ancillary services and cottage industries.
- * The State Govt. will directly benefited the revenue on account of Greenfield Airport Project.
- * Unlike the financial benefits, the social benefit arising out of this proposal can expressed only as value judgment. This includes increases in the standard of living local population, educational opportunities, training and development of skill etc.
- * The project will provide wide opportunities for increase interaction in one side word and will draw the local population out of their shell and encourage them to join national mainstream.
- * This will also help medical emergencies in Naxalite area of Gadchiroli District.
- * The most important benefit from the Greenfield Airport will be creating of an industrial channel that will defuse the potentially grave social problems that the district faces in the form of illiteracy which thrive on ignorance, poverty and isolation of the local people.

- * In India, DGCA is regulatory Authority for Civil Aviation. As per norms, minimum distance between two nearby Airports should be minimum 150 kms. Distance between Nagpur Airport and the proposed Greenfield Airport is 180+ kms. Also, proposed airport falls in the under developed part of Vidarbha Region. Nagpur Airport caters to the Central India and its probably busiest airport in the Central India. The proposed Greenfield Airport will ease the pressure of air traffic on Nagpur Airport and also will provide an alternate option to the travellers.
- * Chandrapur District already has established Defence Industry, and some related product manufacturing industries since 1970. With access to Airport facility, these industries and other sectors will have huge scope for development.
It will also help “**Make In India**” movement, as Government is supporting every sector with Flexible Policies as part of Make In India movement.
- * Various Industries like CTPS, Electrolux, Ballarpur Paper Mill, Western Coalfields Ltd. are located in and Around Chandrapur. This Airport will facilitate movement of manpower and resources.
- * This Airport will also help boost up the tourist and passenger movement to **TADOBA** and **ANDHARI TIGER RESERVE**. Which will directly help elevating the economic condition of this backward area.
- * Chandrapur/Gadchiroli and some part of Telangana is affected by Naxalite Activities. Having Airport access will help take immediate and fast action against Naxalites, whenever needed.
- * It will also boost the Sainik School established and managed by the Sainik Schools Society under Ministry of Defence

Conclusion

The strength of the project and its expected benefits, it now requires full further support and encouragement from the Government in order for the project to be implemented as soon as possible. This can be accomplished through the expeditious clearance under the Forest Conservation Act.

We request you that our above background and favorably consider and approve this proposal duly submitted. Grant the clearance at the earliest so that the economy and industrial development of the backward region of Vidarbha and Country receive the requisite boost.

Thank You



By Maharashtra Airport Development Company Ltd.