



भारतीय प्रौद्योगिकी संस्थान धारवाड़
पुणे बेंगलूरु रोड, उच्च न्यायालय के निकट
धारवाड़- 580011

Indian Institute of Technology Dharwad

Pune Bangalore Road, Near High Court, Dharwad-580011

Email : dean.ips@iitdh.ac.in
Phone : +91-836-2212-844
Website : <http://www.iitdh.ac.in>

Prof. Nagesh R. Iyer FNAE FIE FIACM FIASE
Dean (IPS) & Visiting Professor

[former, Director, CSIR-Structural Engineering Research Centre [SERC]

& Coordinating Director, CSIR Madras Complex, former Director, Engineering Coordination, CSIR

& former, Acting Director, & Distinguished Emeritus Professor, AcSIR]

IITDh/IPS/PC/FC/2020-21/11

28th August 2020

Full Title of the Project: Diversion of forest land in Keligeri village, Dharward Taluk for additional interconnectivity between the two ends of the arch shaped campus of Indian Institute of Technology, Near High Court, Pune Bangalore Road, Dharwad.

File No. FP/KA/Approach/47989/2020

Date of Proposal: 29th July 2020

Justification Note with study of other alternatives

The proposed patch of land as an internal road will provide access to two parcels of land comprising the academic zone and residential zone for the following reasons:

The other alternatives of road over bridge or under passage could not be considered as

- i) Both alternatives are not cost-effective
- ii) The amount of land area of the forest area and the campus area will be much more that will be utilized
- iii) There is no clear and straight line of sight
- iv) Proving service lines will become complicated and servicing/maintaining the same will be difficult and will need more access to the same from the forest land and likely to disturb the forest land
- v) The turning radius that will be required to connect the two parcels cannot be accommodated and also creates a blind zone making it safety risk
- vi) As this is an academic residential campus, it is prone to disturbing the social environment thus could also become security hazard

The tail end of land of the North forest region earmarked in the enclosed drawing admeasuring about 0.66 hectares (45m x 137m) is thus ideal. This option has following advantages over the other options:

- a) The patch of land measuring about 45m in width and 137 m in length will make it a contiguous land.
- b) It provides clear and straight line of sight
- c) This will greatly benefit commuting between the two zones in a seamless manner.
- d) This arrangement would facilitate the buffer zone to be created as well as provide setback to meet the guidelines besides giving natural pathway connecting the two zones, namely, academic and residential.

- e) This option is safe, secure and reasonable option as it is open.
- f) This option allows laying of service lines along with the road access in an uninterrupted manner. Servicing/maintaining the same will be straightforward and will not disturb the forest area
- g) By providing road access and service lines such as Water Supply, UGD, UG Power Cables, BMS lines etc. between academic zone and residential zone, it will be close proximity between two zones and serve as greater security and maintenance.
- h) And also government can save considerable infrastructural investments towards institution.

Further, the institution plans not only to preserve the forest zone, but plans to add sufficient greenery by planting more trees at appropriate locations in the campus.

It may be noted that the presently available area/space on the edge of the forest block cannot be used as an alternative approach because a) the entire area is part of the student hostel zone, b) some of the area of this zone is occupied by the HT transmission tower thus not recommended from more than one consideration such as no interference in the student area as highly subject to disturbance of peace and student activity, social considerations, mandatory buffer zone around/under the HT cables of at least 35m on either side, etc. and c) in view of the unsurmountable constraints as mentioned in a) & b), therefore there is no scope to develop or design any map for alternate proposal.

In view of the above, it is established that no other option or alternative can provide such benefits and integrated solution for a seamless and contiguous geographical system. The plan also envisages providing unhindered and exclusive access to forest area from the same tail end North forest region.

(Nagesh R. Iyer)
Authorised Signatory

