



ರೈಲು ಮೂಲಸೌಲಭ್ಯ ಅಭಿವೃದ್ಧಿ ಕಂಪನಿ (ಕರ್ನಾಟಕ) ನಿಯಮಿತ  
(ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಮತ್ತು ರೈಲ್ವೆ ಸಚಿವಾಲಯದ ಜಂಟಿ ಉದ್ಯಮ)

2/5/2025

K RIDE/Projects/BSRP/Depot/Forest/58

Date: 30.04.2025

**The Deputy Conservator of Forests  
Bengaluru Rural Division  
Karnataka Forest Department  
Devanahalli**

Dear Sir,

**Sub.:** Compliance to the clarifications sought in connection with the diversion of 18.60 Ha of Forest land in Sy. No. 124 of Akkupete village, Kasaba Hobli, Devanahalli Taluk, Bengaluru Rural District for the construction of the Rail Depot under Bengaluru Sub – Urban Rail Project (BSRP) in favour of Manager, Rail Infrastructure Development Company (Karnataka) Limited, Samparka Soudha, Dr. Rajkumar Road, Rajajinagar, Bengaluru. **Proposal No. FP/KA/RAIL/142190/2021 [Form – A].**

- Ref.:**
1. Online application no. FP/KA/RAIL/142190/2021 submitted in PARIVESH portal of Ministry of Environment, Forest & Climate Change dated 09.05.2021
  2. Online application no. FP/KA/RAIL/142190/2021 [Form - A Part -1] resubmitted in PARIVESH portal of Ministry of Environment, Forest & Climate Change dated 05.04.2022
  3. PCCF (HoFF), GoK letter no. KFD/HoFF/A5-4(GFL)/14/2021-FC dated 30.09.2024
  4. GoK letter no. FEE/252/FLL 2024(E) dated 04.11.2024 (Stage – 1 proposal)
  5. MoEF&CC, GoI, Regional Office, Bengaluru letter no. 4-KRC 1497/2024-BAN/483 dated 03.12.2024.
  6. PCCF (HoFF), GoK letter no. KFD/HoFF/A5-4(GFL)/14/2021-FC dated 18.12.2024.
  7. This office letter K-RIDE/Projects/BSRP/Depot/Forest/55 dated 24.03.2025;
  8. This office letter K-RIDE/Projects/BSRP/Depot/Forest/56 dated 24.03.2025;
  9. This office letter K-RIDE/Projects/BSRP/Depot/Forest/57 dated 27.03.2025
  10. Meeting with PCCF/FC dated 22.04.2025;

With reference to the various letters cited above at (3) to (9), various correspondence between the Forest Department and the user agency (K-RIDE) have been carried out with regard to the compliance to the clarifications sought by the Ministry of Environment, Forest & Climate Change for the diversion of 18.60 Ha of Forest land in Sy. No. 124 of Akkupete village, Kasaba Hobli, Devanahalli Taluk, Bengaluru Rural District for the construction of the Rail Depot under Bengaluru Sub – Urban Rail Project (BSRP).

To finalize the same, a meeting was convened under the chairmanship of the PCCF/FC, during which various directives were issued for the compliances to be given by officials of K-RIDE and the Forest Department.

In this connection, the revised para wise replies are prepared and enclosed along with the respective annexures from our end, which may be referred for sending the response to MoEF&CC.

You are requested to review the submitted compliances along with providing the necessary recommendations and actions required at your end. Upon receipt of your recommendations, the proposal on the PARIVESH portal may be forwarded for further processing and early issuance of Stage-I Forest Clearance.

Hence, you are requested to facilitate the same at the earliest.

**Encl.:** 4 sets of copies

**Yours sincerely**



**Sheetal N. Singh**  
**General Manager, SEMU**



**CC:** 1. PCCF (FC), GoK  
2. CF, Bengaluru Division

**Sub: Diversion of 18.6 Ha. of forest land in Sy.No.124 of Akkupete village, Kasaba Hobli, Devanahalli Taluk, Bengaluru Rural District for Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

Sl.No	Observations	Response
1	As per the subrule 16 of rule 9 of Van (Sanrakshan Evam Samvardhan) Rules 2023, the proposal which involves forest land of more than five hectares, shall be forwarded by the Nodal Officer, with the approval of the Principal Chief Conservator of Forests, to the State Government or Union territory Administration, along with the Project Screening Committee's recommendation and the same shall also be forwarded to the Regional Office. The recommendation of PSC is not submitted along with the proposal.	(To be replied by PCCF/FC)
2	The DCF Bengaluru Rural Division has not recommended the proposal citing that the felling of 17,615 number of trees would affect the flora, fauna and the microclimate of the area. In this regard the State Government shall offer its comments regarding the adverse effect on the ecosystem of the area, due to felling of so many trees.	To be replied by DCF/BLR (Rural)
3	Further, the Hon'ble NGT has suo moto registered an Original Application No.792 of 2024(PB) (renumbered as Original Application No.236 of 2024(SZ), based on the news item published in 'Bengaluru - Hindustan Times' dated 11.06.2024 titled "Over 2000 citizens oppose felling of 33,000 trees for Bengaluru Suburban Railway Project.  In this regard the State Govt. is requested to submit the updated status of the case and also clarify if the number of trees to be felled is 17,615 or 33,000.	By the orders of Hon'ble National Green Tribunal, Southern Bench, dated 21.03.2025, the case stands closed. A copy of the orders is enclosed as Annexure - I.  Also, the number of trees enumerated on the proposed land under the jurisdiction of the Forest Department is 17,615. The remaining 14,957 trees fall within the alignment of the Bengaluru Suburban Railway Project, which spans 148 km in and around the city.
4	The CCF has recommended the proposal stating that all the trees proposed to be felled are Eucalyptus. However, tree enumeration details submitted show that there are another 14 different type of tree species listed. In this regard the State Government shall offer its comments.	To be replied by DCF/BLR (Rural)
5	The construction of rail depot in the forest land is not a site-specific activity. In this regard the State Government is requested to provide the justification for establishing the rail depot in forest land instead of non-forest land.	Submitted that, there are specific requirements for choosing the location of a Maintenance Depot. A linear parcel of land is required as a minimum requirement for the Maintenance Depot with the dimensions of 900m in length & 200m in width.



		<p>This is essentially required for the construction of TEST TRACK for testing if trains before putting in service.</p> <p>It is also submitted that, Devanahalli being the terminal station and the Maintenance Depot is absolutely required to be in the close proximity in order to avoid the dry run of the trains &amp; to minimise the cost of energy &amp; electricity.</p> <p>This being the case, there is no other uninhabited parcel of land matching the specification in the given location. Further, the User-Agency (K-RIDE) has already acquired an abutting 5 acres of plot in anticipation of Forest land diversion. Proposed land for diversion along with acquired land parcel (5 acres) is required for establishment of the Depot.</p> <p>Additionally, the said alignment has been approved by the competent authority of Indian Railways.</p> <p>Under these circumstances, it is brought to your kind notice that, the demand for this parcel of Forest Land is site specific.</p>
6	The C:B ratio is not submitted.	<p>CBR = 2.1 (approx.). For every ₹1 spent, benefits worth ₹2.10 are expected as per the Environment Impact Assessment and Social Impact Assessment for Bengaluru Suburban Railway Project as well as feasibility studies &amp; reports by M/s RITES, Ministry of Railways, IISC, ISEC, DULT etc.,</p> <p>The project's FIRR is 10.74 % and EIRR is 19.01 % as per the feasibility studies &amp; reports of M/s RITES.</p> <p>CBR &gt; 1 indicates a project is economically viable. BSRP's ratio suggests high return on investment.</p> <p>This has been derived based on the following factors:</p> <p><b>a. Cost:</b></p> <ol style="list-style-type: none"> <li>Land Acquisition</li> <li>Cost of Construction</li> <li>Machineries &amp; Equipment;</li> <li>Systems &amp; Automation;</li> <li>Signalling &amp; Telecommunication;</li> <li>Operation &amp; Maintenance</li> <li>Salaries &amp; Administrative expense;</li> </ol>



		<ul style="list-style-type: none"> <li>viii. Utilities</li> <li>ix. Consumables</li> <li>x. Capacity Building &amp; Trainings</li> <li>xi. Soil, Liquid, Waste management</li> <li>xii. Pollution control measures</li> <li>xiii. Carbon footprint</li> </ul> <p><b>b. Benefit:</b></p> <ul style="list-style-type: none"> <li>i. Direct &amp; In-direct employment;</li> <li>ii. Travel time savings;</li> <li>iii. Reduced traffic congestion;</li> <li>iv. Vehicle operating Cost;</li> <li>v. Reduction in pollution;</li> <li>vi. Environmental benefits viz., lower Co2 emissions, CO and other particulate emissions &amp; carbon footprints;</li> <li>vii. Better connectivity and modal shifts;</li> <li>viii. Reduction in accident cost;</li> <li>ix. Economic productivity due to increase in jobs, markets, services, suburban connectivity etc.;</li> <li>x. Social equity;</li> <li>xi. Urban &amp; Rural development - Spurs growth in suburban areas;</li> <li>xii. Enhancement in Quality of life due to less stress, noise &amp; pollution;</li> <li>xiii. Resilience: creates a reliable, multi modal, safe, economic, clean, non – polluting, faster, high-capacity alternative to existing road transport;</li> </ul>
7	The KML files of the alternatives examined is not uploaded in PARIVESH portal;	The .kml files of the alternatives locations examined are enclosed as Annexure – II & III. Since, the files cannot be uploaded as .kml in PARIVESH, the same is shared through email to DCF/ BLR Rural Division. The same may be uploaded to PARIVESH portal from their end.
8	The KML file and non-encumbrance certificate of the non-forest land (18.61 ha of NFL in Sy. No. 65 of Sasalu village, Sasalu Hobli, Doddaballapura Taluk, Bengaluru Rural District) identified for CA is not submitted.	The Encumbrance Certificate issued by the Deputy Commissioner, Bengaluru Rural District, indicating that the land is free from all encumbrances dated 23.04.2025, is enclosed as Annexure-IV.
9	The site suitability certificate of 32.20 ha of DFL identified for plantation in Adagal State Forest, Sy. No. 70 of Diguamarampalli Village and Sy. No. 73 of Thimmalapalli Village, Nelavanki Hobli, Srinivaspura taluk, Kolar State Forest is not submitted.	Site Suitability Certificate is enclosed as Annexure – V.
10	In the land-use/component wise break up it is mentioned that an area of 5 ha. will be used for construction of Buildings. The State Government is requested to clarify what type/ nature of buildings have been proposed.	<p>The buildings of the depot is approximately 50,550 sqm or 5.05 Ha.</p> <p>A list of the proposed main buildings in maintenance Depot are as follows:</p> <p>a) Stabling lines buildings</p>





		<ul style="list-style-type: none"> <li>b) Inspection lines building</li> <li>c) Repair lines building</li> <li>d) Work shop lines building</li> <li>e) Auto work plant building</li> <li>f) Ancillary building</li> <li>g) Associated warehouse facility</li> </ul> <p>A detailed list of structures is enclosed at Annexure - VI</p>
11	The State Government may explore other non-forest land for execution of the project.	<ul style="list-style-type: none"> <li>i. The depot requires approximately 50 acres in a single parcel land based on the number of lines, stabling, maintenance, and staff facilities designed (with a minimum 900 m straight length).</li> <li>ii. In a dense city like Bengaluru, such large contiguous non-encroached land is almost non-existent in the core urban zones;</li> <li>iii. The available other government land parcels near the terminal stations were found with fragmented plots or irregularly shaped parcels and don't meet the layout requirements of the maintenance depot as designed.</li> <li>iv. Also, no other suitable land parcel contiguous to Railway track was found.</li> <li>v. In order to avoid acquisition of Forest land as above, all efforts had been made by K-RIDE duly studying alternative locations. <ul style="list-style-type: none"> <li>a) At survey no. 94 &amp; 131, Jnana Bharathi campus, Bengaluru university, was also studied. Even though, the location was proposed in DPR of K-RIDE, the location falls within the busy Bengaluru central district with high density populated residential areas cum habitat to multiple flora &amp; fauna and house to Bengaluru university. The available area is restricted to 31 acre only. The land requirement for K-RIDE is about 50 acre for Depot. Hence, the location was found non-feasible.</li> <li>b) Another location at Betta Halasuru village in survey no. 259, Jala hobli, Bengaluru north district was also inspected. The land requirement for K-RIDE is about 50 acre. The available land in survey no. 259 is lesser than 40 acre and land has been already fragmented into sites, allotted to multiple other agencies / farmers. The</li> </ul> </li> </ul>



		<p>balance land available is in small discontinuous plots, which is not suitable for BSRP depot. In view of this, the above location was also not found feasible.</p> <p>vi. Hence, in view of the above, this parcel of land at Akkupete village was found to be most suitable &amp; only feasible location for BSRP depot in its approved alignment.</p>
--	--	--







**Item No.12:-**

**BEFORE THE NATIONAL GREEN TRIBUNAL  
SOUTHERN ZONE, CHENNAI**

***Friday, the 21<sup>st</sup> day of March 2025.***

[Through Physical Hearing (Hybrid Option)]

**Original Application No.236 of 2024(SZ)**

**IN THE MATTER OF:**

**Suo Moto** matter in respect of news item appearing in ***The Bengaluru - Hindustan Times*** dated 11.06.2024 titled "**Over 2000 citizens oppose felling of 33,000 trees for Bengaluru Suburban Railway Project: Report**".

**And**

- 1) Bruhat Bengaluru Mahanagara Palike,**  
Through its Chief Commissioner,  
Hudson Circle, N.R. Square,  
Bengaluru, Karnataka-560002, India
- 2) Rail Infrastructure Development Company (Karnataka) Limited  
"KRIDE",**  
Through its Managing Director  
"Samparka Dr. Soudha", 1<sup>st</sup> Floor, (Opp. Orion Mall),  
Dr. Rajkumar Road, Rajajinagar 1st Block,  
Bangalore 560 010.
- 3) Principal Chief Conservator of Forest, Karnataka**  
Karnataka Forest Department, Government of Karnataka  
Aranya Bhawan 18<sup>th</sup> Cross, Malleshwaram  
Bangalore(Karnataka)-560003.
- 4) District Magistrate, Bengaluru Urban**  
Kempegowda Road, Behind Kandaya Bhavana,  
Bengaluru Urban District, Bengaluru- 560009.  
Karnataka, India.



...Respondent(s)

For Applicant(s): Suo Motu.

For Respondent(s): Mr. T.V. Sekar for R1.  
Mr. Sriranga Subbanna, Senior Advocate for  
M/s. Ravi Law Chambers, S. Indumathi Ravi,  
R. Sanjeev, R. Shravan, Sumana Naganand &  
Ashwini N Ravindra for R2.  
Mr. Rajat Jonathan Shaw represented  
Mr. K.M. Darpan for R3 & R4.

**CORAM:**

**HON'BLE Smt. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER**

**HON'BLE Dr. SATYAGOPAL KORLAPATI, EXPERT MEMBER**

**JUDGMENT**

1. The Bruhat Bengaluru Mahanagara Palike (BBMP) has filed its report dated 23.01.2025, which is taken on file.

2. The said report has given the details of the project proposals submitted to the Tree Officer/DCF, BBMP and their status. It includes various corridors, the number of trees to be retained, the number of trees to be translocated and the number of trees to be felled.

3. At this stage, it is pertinent to note that the Writ Petition [**W.P. No.17841 of 2018**], which is pending before the Hon'ble High Court of Karnataka is being dealt with by the First Bench and orders are being passed periodically.

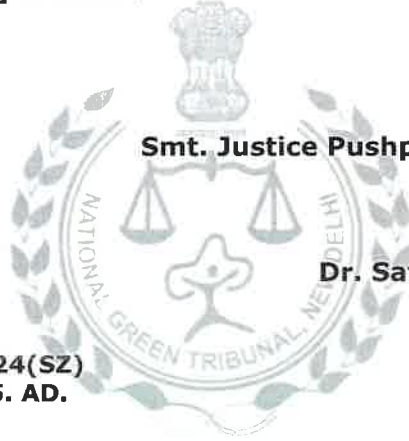
4. Regarding the cutting of trees, the Hon'ble High Court has issued orders on 10.02.2025, 13.02.2025, and 19.02.2025. Further, the Hon'ble High Court of Karnataka has gone into addressing the above issue in detail as to how the



trees have to be translocated scientifically at the location and how the same should be supervised. Similarly, the compensatory plantation to be done by the Project Proponent also is mentioned.

5. As the Hon'ble High Court of Karnataka is already seized of the matter, any order that may be passed here would be redundant.

6. Hence, the Original Application [O.A. No.236 of 2024(SZ)] is closed.



Sd/-  
Smt. Justice Pushpa Sathyanarayana, JM

Sd/-  
Dr. Satyagopal Korlapati, EM

O.A. No.236/2024(SZ)  
21<sup>st</sup> March, 2025. AD.

NGT





















Government of Karnataka

Revenue Department

Office Of The Deputy Commissioner and District Magistrate, Bangalore Rural District.

1st Floor, District Administration Complex, Beerasandra Village, Kundana Hobli, Devanahalli Taluk 562110

E-Mail:- deo.bangalorer3@gmail.com

Telephone:08029781022

NO:FOR/CR/04/2021-22

Date: 23-04-2025.

To,

The Managing Director,  
Rail infrastructure Development Company(Karnataka)Limited  
Samparka Soudha,1<sup>st</sup> Floor, (Opp Orion Mall)  
Dr.Rajkumar Road, Rajajinagara 1<sup>st</sup> Block  
Bangalore-560010

Respected Sir/Madam,

Sub: Issuing free from all encombrence certificate to the extent of land 46-00 acers at Sy. No.65, situated in Saslu village and Hobali, Doddaballapura taluk, Bangalore rural district-Reg.

Ref: Tahsildar, Doddaballpura taluk letter No: THD-LNDS0LND2/1341/225-LND dated 23.04.2025

With the reference to the above subject, the land situated in Bangalore Rural district, Doddaballapura taluk, Sasalu hobli, Sasalu village Sy. No. 65 to an extent 46-00 acre is reserved in the name of Forest Department vide order No.FOR/CR/04/2021-22 Dated:10.03.2022 which was issued by this office and the same was incorporated in land records vide mutation number MRH1/2024-25 dated 25.07.2024 and in RTC as well. As per the report given by the jurisdictional Tahsildar sought vide letter stated in reference,currently the Forest Department are in possession of the above land and the land is free from all encumbrance and also



it is submitted that there is no form 50, 53, 57 or 94C application pending pertaining to the above land.

Thanking you

Yours faithfully



Deputy Commissioner  
Bangalore Rural District

**Copy To:**

1. The Secretary, Infrastructure Development, Ports & Inland Water Transport Department, Vikasa Soudha, Bangalore-560001
2. Deputy Conservator of Forests, Bangalore Rural District, Devanahalli



## FORMAT-B

### CA LAND SUITABILITY CERTIFICATE UNDER FCA 1980

[Cases where proposed non-forest CA land cannot support the prescribed planting density of 1000 plants per hectare and it is necessary to plant the balance number of plants in degraded forest land (<40% canopy density) as per working plan prescriptions in accordance with government of India FC Guidelines F.No. 11-423/2011-FC dated: 08-11-2017]

In compliance of the procedure established for diversion of forest land for non-forest purpose through the Forest Conservation Rules 2003 and guidelines framed under the Forest Conservation Act 1980, the following is certified.

1. The non-forest land parcel [Table-1] proposed by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE), Samparka Soudha, Dr. Rajkumar Road, Rajaji nagar 1<sup>st</sup> block, Bengaluru-560010 (User Agency) in revenue land is not suitable for raising compensatory afforestation (CA) as per the letter No.DCF/KRIDE/CR-8/2022-23 of Deputy Conservator of Forests, Bangalore Rural Division, Devanahalli and requested this office to provide twice the degraded land against diversion of 18.6 Ha of forest land in Sy No .124 of Akkupete village, Kasaba Hobli, Devanahalli Taluk of Bangalore Rural Division.
2. The degraded forest land parcels [Table-2] has been inspected by me on 20-06-2024 (date).
3. The said degraded forest land parcel(s) is/are suitable for raising compensatory afforestation in accordance with Government of India, FC Guidelines F.No.11-423/2011-FC dt 8-11-2017 read with general FC Guidelines, & in case of Private Party User Agency, further as per Government of Karnataka Order No.FEE 82 FLL.2016 dt 31-08-2016.
4. It is further reported that 1000 plants per hectare can be planted in the degraded forest land
5. The KML file(s), Topo Map(s), Geo-referenced Map(s) & GPS readings of all corners of the proposed degraded forest land parcel(s) have been uploaded by User Agency in PART-I of the proposal/are enclosed herewith.
6. The KML file(s), Topo Map(s), Geo-reference Map(s) & GPS readings of all corners of the proposed degraded forest land parcel(s) are enclosed in PART-II

**TABLE-1 (Non forest land)**

District, Taluk & Hobli	Village	Survey Number	Extent in (Ha)	Plants proposed to be planted	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
Bangalore Rural, Doddaballapur & Sasalu	Sasalu	65	18.60	-	The area is not suitable for Compensatory Afforestation

**TABLE-2 (degraded forest land)**

District, Taluk & Hobli	Village	Survey Number	Extent in (Ha)	Plants/ha proposed to be planted	Remarks about the adjacency of the proposed land parcel to a notified forest
(1)	(2)	(3)	(4)	(5)	(6)
Kolar, Srinivasapur, Nelavanki	Diguvamarampalli	70	37.20	1000	Land is adjacent to the boundary of the Royalpad State Forest
	Thimmanapalli	73		1000	

Deputy Conservator of Forests  
Kolar Division, Kolar



45

**Datasheet for Watering Plants for 37.2 Ha CA Area in Sy 70 of Diguamarampalli and Sy No. 73 of Thimappanahalli, Nelvanki Hobli, Srinivaspura Taluk, Kolar District**

SI No	CSSR Item No	Particulars	Quantity (No of Plants)	Rate/Plt/ time	Per Plt	Amount
1	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2025-2026 (10% Escalation per year against rate adopted in 2024-2025 i.e., Rs 53.22 Rate/Plt/Time)	1000	53.220	1	212880.000
2	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2025-2026 (10% Escalation per year against rate adopted in 2024-2025)	1000	58.542	1	234168.000
3	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2026-2027 (10% Escalation per year against rate adopted in 2023-2024)	1000	64.396	1	257584.800
4	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2027-2028 (10% Escalation per year against rate adopted in 2023-2024)	1000	70.836	1	283343.280
5	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2028-2029 (10% Escalation per year against rate adopted in 2023-2024)	1000	77.919	1	311677.608
<b>Total</b>						<b>1299653.688</b>

SI No	Particulars	Extent (Ha)	Amount(Rs)
1	Watering Charges for 1Ha for 5 Years	1	1299654
2	Watering Charges for 37.2 Ha for 5 Years	37.2	48347117

Deputy Conservator of Forests  
Kolar Division, Kolar





Statement of estimate for raising and maintenance of 37.2 Ha CA pit plantation @ 1000plants 8x12 size bags per Ha (Pit size 0.60x0.60x0.60m) in degraded forests at Sy No 70 of Diguvarurumipalli & Sy No 73 of Thimmanapalli of Kolar Division, Srirangaswara Range against diversion of 18.6 Ha of forest land in Sy No.124 of Akkupete Village, Devanahalli Range, Bangalore Rural Division														
No	Particulars	Advance work	Raising year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Grand Total
A: Advance work														
1	Advance work including Raising of (8'x12')	5423760												5423760
B: Raising of plantation														
1	Raising of plantation in advance worked area	3087600												3087600
2	Maintenance of seedlings before planting (8x12 size 1200bags @Rs 7.46/each)	333014												333014
3	Raising nursery for replacement of casualties next year 10% (8x12 size 100bags @Rs 26.39/each)	97799												97799
C: Maintenance of plantations with casualty replacement, cultural operations and manuring														
1	Maintenance of plantation during the 1st year			1595880										1595880
2	Maintenance of seedlings raised for casualty replacements (8x12 size 100bags @Rs 7.46/each)			27751										27751
D: Maintenance of plantations (with cultural operations and manuring)														
1	Maintenance of plantation during 2nd year				1328040									1328040
2	Maintenance of plantations (with cultural operations but without manuring)					1093680								1093680
3	Maintenance of plantation during 3rd year						1093680							1093680
4	Maintenance of plantation during 4th year							1093680						1093680
5	Maintenance of plantation during 5th year								1093680					1093680
6	Maintenance of plantation during 6th year									1323640				1323640
7	Maintenance of plantation during 7th year										323640			323640
8	Maintenance of plantation during 8th year											323640		323640
9	Maintenance of plantation during 9th year												323640	323640
10	Maintenance of plantation during 10th year													323640
E: Total (A+E)														
1	Total (A+E) after taking 10% escalation cost for each year (Compounding factor at 10%)	5423760	3518413	1623631	1328040	1093680	1093680	1093680	373640	323640	323640	323640	323640	16793084
2	Soil and moisture Conservation measures (*15% on total plantation cost)	5966136	4257280	2161060	1944370	1761383	1937525	2131262	693780	763121	839381	922039	1015709	24393045
3	Resurveying and Redemonstration and other work for section 4 notification CA land (1.5)	3658957												3658957
4	Plant link fencing (consolidating 200 meter average periphery)	422629												422629
5	Total Advance Work Year to 10th Year of Maintenance (1+2+3+4+5)	36572250												36572250
6	Administration and supervision charge @5% of above	46197343	4257280	2161060	1944370	1761383	1937525	2131262	693780	763121	839381	922039	1015709	65046881
GRAND TOTAL														68299703

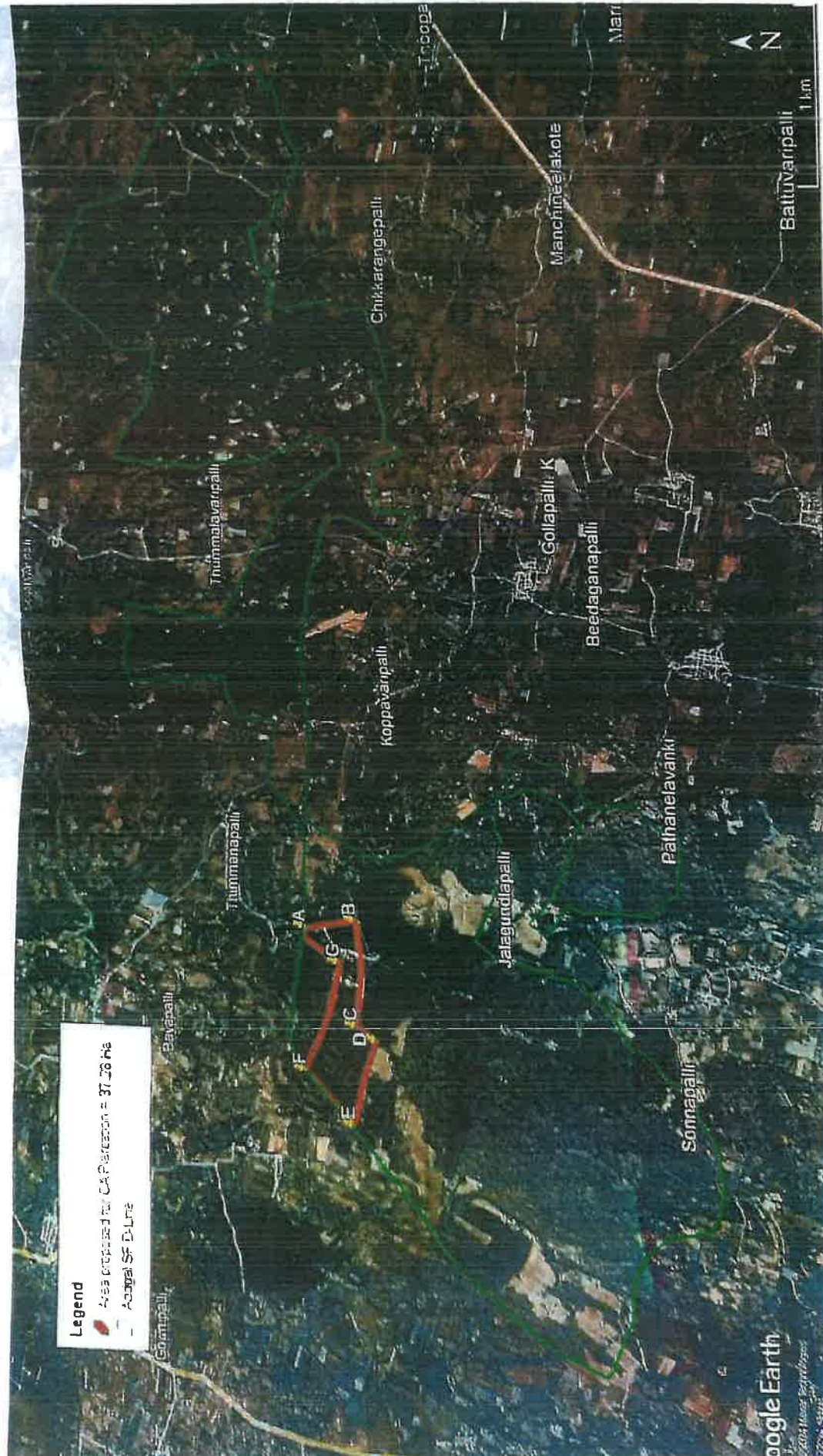


Deputy Conservator of Forests  
Kolar Division, Kolar



# Degraded Forest Land Identified for raising of CA plantation In sy no 70 of Diguvarampalli and sy no 73 of Thimmanapalli, Addgal SF

Net Area: 37.28 Ha



RANGE FOREST OFFICER

SHRIKANTH RANGA  
Srinivasanagar

ಮುಖ್ಯ ಅಧಿಕಾರಿ, ಸರಕಾರಿ ಅರಣ್ಯ  
ಸೀನಿವಾಸನಗರ, ಕೊಲಾರ

Assistant Range Officer of Forests  
Kolar Sub Division,  
Kolar.





Sl no	REQUIREMENTS	No of rooms	Length	Width	Total (SQM)
29	Change room with lockers and Wash room	1	10	50	500
30	Lunch room/canteen area	1	10	50	500
31	Visitor room	1	10	10	100
32	Paint room/ paint booth	1	10	30	300
33	Drawing office/plans/ information	1	10	10	100
34	Lab room	1	10	30	300
35	Brake and compressor overhauling area	1	10	30	300
36	Security/monitoring room	1	10	10	100
37	Depot equipment maintenance cum store room	1	10	50	500
38	Welding and brazing training room cum sheet metal cutting room	1	10	20	200
39	First aid room	1	10	10	100
40	Eye wash area	1	10	10	100
41	Store and store officer	1	10	50	500
42	Storage area bifurcation for all the departments	1	10	50	500
43	Scrapyard				
44	Hazardous waste				
45	Metal scrap				
46	Zero value items				
47	Flammable material				
48	Chemical storage room				
49	Scrapped glass storage				
50	Doors and windows storage				
51	Lorry parking area				
52	Guest House for KRIDE officials	1	10	30	300
53	Classroom training rooms for new batches	3	10	10	300
54	Examination hall(computerised)	1	10	30	300
55	Hostel rooms for trainees and training faculty	1	10	50	500
56	Library and reading rooms	1	10	10	100
57	Space for keeping models	1	10	20	200
<b>General Requirements of Depot</b>					
58	Sewage treatment plant (STP)	1	10	10	100
59	Effluent treatment plant (ETP)	1	10	10	100
60	Work permit/Contract staff handling room	1	10	10	100
61	S&T, AFC equipment storage cum maintenance room	1	10	30	300
62	PSS and backup OCC	1	10	30	300
63	Electrical central room	1	10	20	200
64	Telecom central room	1	10	20	200
65	Record room	1	10	10	100
66	PWAY for Catenary maintenance equipment's and office requirements	1	10	30	300
67	Recreation facility for Trainees and employees	1	10	30	300
69	Server Room	1	10	10	100
70	Floor for all admin and other teams	1	10	30	300
71	Associated warehouse facility	1(LS)			11000
	<b>Grand total</b>				<b>50550</b>



## Details of buildings proposed in maintenance Depot of BSRP

Sl no	REQUIREMENTS	No of rooms	Length	Width	Total (SQM)
1	Location, layout Inspection Bay line requirements	6	7.5	150	6750
2	Location, layout Work shop line with embedded track and pits requirements	6	10	150	9000
3	Location, layout Dedicated VAC maintenance in workshop line requirements	1	10	150	1500
4	Location, layout Auto wash plant, control and equipment room requirements	1	6	20	120
5	Intensive washing line without OHE	1	6	150	900
6	Location, layout Wheel lathe line requirements	1	6	30	180
7	Location, layout Wheel/axles parking area requirement	1	10	50	500
8	Dedicated cleaning area for washing and Drying HVAC filters requirements	1	10	50	500
9	Test bench and overhauling rooms compressor, brake calliper requirements	1	10	150	1500
10	Test bench and overhauling rooms pantograph Door	1	10	150	1500
11	Test bench and overhauling rooms VCB	1	10	150	1500
12	Test bench and overhauling rooms Battery	1	10	150	1500
13	Test bench and overhauling rooms CI, APS and control units	1	10	150	1500
14	Test bench and overhauling rooms Traction motors	1	10	150	1500
15	Location, layout Tool room requirements	1	10	10	100
16	Central compressor house requirements	1	10	10	100
17	Location, layout Bogie and wheel overhauling area requirements	1	10	50	500
18	Bogie storage area	1	10	50	500
19	Bogie washing and sand blasting area	1	10	10	100
20	Location, layout Test track requirements				0
21	Depot in charge office with support staff	1	10	10	100
22	Other officers' rooms with support staff	1	10	10	100
23	Conference room large	1	10	40	400
24	Conference room of 10 seats	1	10	10	100
25	Rolling stock Training Hall	3	10	10	300
26	Supervisor office with staff	3	10	10	300
27	Rolling stock tool room and Rolling stock store	1	10	10	100
28	Dress change and wash room for women	1	10	20	200

