Report

of the

Tree Expert Committee

(A Committee constituted as per the directives of Hon'ble High Court of Karnataka)

Regarding permission sought for by

The General Manager,

SEMU, KRIDE,

under Sections 8 (2) and 8 (3) (vii) of Karnataka Preservation of Trees Act, 1976

Application No.: **K-RIDE/BSRP/BBMP/23 dtd 03.06.2025**

Project : **Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations viz., Chikkabanavara Railway Station, Medarahalli Railway Station, Shettihalli Railway Station and Yeshwanthapura Railway Station.**

Location: **The trees are standing at Project area including the premises of the Railway Stations viz., Chikkabanavara Railway Station, Shettigere Railway Station, Mydrahalli Station and Yeshwanthapura Railway Station at Bengaluru.**

Dated : **September 2025**

Report of the Tree Expert Committee regarding permission sought for by the General Manager, SEMU, KRIDE, Bengaluru under Sections 8 (2) and 8 (3) (vii) of Karnataka Preservation of Trees Act, 1976.

Application Nos. : **K-RIDE/BSRP/BBMP/23 dtd 03.06.2025**

Project Area : The trees are standing at the Project areas including the premises of the Railway Stations viz., Chikkabanavara Railway Station, Shettigere Railway Station, Mydrahalli Station and Yeshwanthapura Railway Station at Bengaluru.

1. With reference to the above stated subject, the Tree Expert Committee (constituted as per the directives of the Hon'ble High Court) has carried out the works as per the process elucidated in the MOP submitted to the Hon'ble High Court of Karnataka during December 2020.

2. A proposal on the subject cited supra was received by the Tree Officer/DCF, BBMP (now GBA) from the General Manager, SEMU, KRIDE, Bengaluru, pertaining to removal of 157 numbers of trees for Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations under Sections 8 (2) and 8 (3) (vii) of Karnataka Preservation of Trees Act, 1976.

3. The Tree Officer/DCF, BBMP (now GBA) vide his letter dtd 23.07.2025 submitted his findings on objections/suggestions received in response to the Public Notice dtd. 26.06.2025 issued by him along with preliminary assessment of trees related to an application filed by the General Manager, SEMU, KRIDE, Bengaluru, pertaining to removal of 157 numbers of trees for Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations. The submission was accompanied by the following documents:

   i. A copy of Applications dated 03.06.2025 received from the General Manager, SEMU, KRIDE along with project particulars, maps of the areas and details of standing trees involved including their GPS coordinates.

   ii. A copy of the Public Notice dated 26.06.2025 issued by the Tree Officer/DCF, BBMP and a complete set of the objections/suggestions received from the public in response to that Notice and a copy of the proceedings of the Tree Officer/DCF, BBMP now GBA regarding consideration of the objections/ suggestions as per Section 8 (3) (vii) of the Karnataka Preservation of Trees Act, 1976 (Henceforth referred as KPT Act).

iii. Tree Assessment Forms in Template 2 with Part I (dtd 23.06.2025 and 25.06.2025) containing tree details as furnished by Range Forest Officer and Part II (dtd 23.07.2025) containing preliminary assessment by the Tree Officer/DCF, BBMP now GBA for each of 157 trees proposed for removal by K-RIDE.

iv. An Abstract of the review of the K-RIDE application and preliminary assessment of trees by the Tree Officer/DCF, BBMP now GBA in Template 3 Part I.

v. A statement prepared by Tree Officer/DCF, BBMP now GBA showing the tree details along with preliminary assessment and justification for on-site retention / translocation / felling of trees.

Copies of the Public Notice issued by the Tree Officer/DCF, BBMP (now GBA) proceedings of the Tree Officer/DCF, BBMP regarding consideration of the objections and his findings, and preliminary assessment of trees as done by the Tree Officer/DCF, BBMP are attached to the Report as Annexure-1 to Annexure-3.

Review of the Application of the General Manager, SEMU, KRIDE, Bengaluru, objections/suggestions in response to Public Notice issued by the Tree Officer/DCF, BBMP (now GBA) and findings of the Tree Officer/DCF, BBMP (now GBA):

4. The Application of the General Manager, SEMU, KRIDE, the Public Notice issued by the Tree Officer/DCF, BBMP (now GBA), all objections/suggestions received from public in response to that public notice, findings of the Tree Officer/DCF, BBMP (now GBA) and his proceedings were perused systematically by the TEC in its Meeting held on 29-07-2025. The TEC noted that the process prescribed in the MOP from Step-1 to Step-3 have been followed scrupulously by the Tree Officer/DCF, BBMP (now GBA).

5. In this context, the Tree Officer/DCF, BBMP (now GBA) has reported that 01 number of objection/ suggestion/observation has been received from the public. The Objector has stated that while the expansion of public transport is a critical need, it must be balanced with environmental responsibility. The large-scale removal of mature trees poses serious ecological risks-diminishing local air quality, reducing canopy cover, weakening urban biodiversity. His opinion is that because of lack of publicly accessible information such as a detailed tree map, environmental impact statement, or clear design alternatives, the ability of citizens to make informed contributions to this process gets limited. The objector also requested to reassess the alignment and engineering choices to minimize tree loss besides exploring the tree transplantation wherever feasible; ensuring that compensatory afforestation

is meaningful and it is done within Bengaluru limits. He has further suggested to publish a transparent report on the ecological impact of this tree removal.

6. As the objection was of administrative and technical nature, the objections was communicated to KRIDE so as to obtain their remarks. In reply, the following remarks have been submitted by KRIDE with regard to the above objection:

   a. Re-access the alignment and Engineering choices to minimize the tree loss – In connection with the given point it is to inform that alignment has been fixed in consultation with SWR Railway Officers and the approval has been accorded by the Railway Board. The alignment is best considering the minimum loss of trees.

   b. Explore Tree Transplantation where feasible – It will be done as per the guidelines issued by BBMP.

   c. Ensure that Compensatory Afforestation is meaningful and is done within Bengaluru Limits – It will be done by DCF/BBMP within BBMP limits.

   d. Publish a transparent report on the ecological impact of this tree removal – The EIA report has been already published on KRIDE Website.

7. Further the Tree Officer/DCF, BBMP now GBA has stated that the procedures as stipulated under the Government Acts and Rules will be strictly followed besides duly obeying the directives of the Hon'ble High Court of Karnataka. He emphasized that the first priority of the Forest Authorities will be to save and retain more number of trees at the spot itself and in case that is not possible, the next option would be translocation of trees. The translocation will be done for the trees which fulfill the required criteria like nature of species, tree having suitable girth, status/health, conditions of the tree, feasibility of root-ball excavation of appropriate size. Subsequently the felling of the trees has to be the last resort. The Compensatory Afforestation is also stipulated through planting of saplings in the ratio 1:10 i.e., 10 saplings to be planted in lieu of each tree which is removed, either by through translocation or by felling.

8. After perusal of the documents, the GM, SEMU, KRIDE, was instructed to submit some more particulars regarding the proposal including furnishing of the detailed layout plan and design of the project, possibility of retaining the trees while executing the project and remarks necessitating the removal of affected trees.

9. Consequently, the KRIDE Engineers of the concerned Project who were present during the meeting were advised to make a presentation regarding the proposal on subjects like details of the project, compulsions/necessity for removal of trees given the project alignment and design, possibility of retaining the trees while carrying out the project construction activities and on other connected matters.

10. The KRIDE Engineers besides making presentation stated that the population of Bengaluru has been growing faster. There has been a phenomenal increase in number of vehicles as well, in the recent past due to rising household incomes. In the absence of adequate public transport system, people are using personalized modes which are not only leading to congestion on limited road capacity network but also increasing environmental pollution. They informed that an average citizen of Bengaluru spends more than 240 hours stuck in traffic every year (Source: K-RIDE DPR and Social Impact Assessment and Environment Impact Assessment (SIAEIA) Report). Such delays result in loss of productivity, reduced ambient air quality, reduced quality of life, and increased costs for services and goods. Further BSRP is a new Suburban Railway Project envisaging construction of 4 dedicated Rail Corridors in a period of 6 years. It will link Bengaluru to its Satellite Townships, suburbs, surrounding areas and provide a mass rail based rapid transit system.

Review of Preliminary Assessment of Trees done by the Tree Officer/DCF, BBMP(now GBA):

11. The TEC examined the preliminary assessment of trees submitted by Tree Officer/DCF, BBMP (now GBA), including the statement exhibiting tree details, preliminary assessment and justification for its on-site retention / translocation / felling. The TEC noted that the documentation of the trees details in Template-2 Part-I and the preliminary assessment as per Template-2 Part-II has been done properly by the Forest Officers as envisaged in Step-4 & Step-5 of the MOP.

12. The TEC firmly deliberated that the first option should be to consider possibility of retention of trees at the site itself. The second option, in the event of retention not being possible and removal being necessary, should be to explore the suitability of trees for the translocation. The felling should be the last option for those trees which cannot be retained on-site and are also not suitable for translocation. In order to fulfill this objective, the TEC resolved that it should make that assessment through the field inspection of each tree.

The TEC decided to verify the preliminary assessment done by Tree Officer/DCF, BBMP and for that purpose intended to visit the Project Area for detailed field inspection of the spots/sites.

13. The proceedings of the TEC regarding the above-mentioned review as per Step-6 of the MOP are attached to this report as Annexure-4.

Field Inspection by TEC:

14. The field inspection for assessment of 157 trees standing within the project area for the proposed KRIDE project was carried out by the TEC on 07.08.2025 and 08.08.2025. The concerned Forest Officers and the Representatives of KRIDE were present at the sites with all necessary documents.

    At the Project Area, during the course of Field Inspections, the following activities were diligently carried out by the TEC for assessment of each tree.

    i. Physical verification of the tree number and the associated information related to the tree as collected by the BBMP Forest Wing Officers in Template 2 Part-I, including tree health / tree defects and general condition as per provision under Section 8(3) of the KPT Act, 1976.

    ii. Confirmation regarding those trees being inside the project area and standing at the construction activity sites.

    iii. Discussions with the KRIDE Authorities to explore possibility of carrying out the construction activities without removal of trees and identification of such trees which can be retained on-site. This also included discussions on the aspect of change in alignment and design of the project so as to save maximum number of trees.

    iv. Review of preliminary assessment of trees as per the entries made by the Tree Officer/DCF, BBMP in Template 2 Part-II.

    v. Assessment of the general conditions of the trees to decide the feasibility of translocation/transplantation in case of retention-on-site not possible.

    vi. Recording of TEC's remarks and recommendations for on-site retention/translocation/ felling of trees as stipulated in Template 2 Part-III.

The Committee in its above set of activities was guided by the detailed procedure and prioritization formulated in Step-7 of the MOP.

The proceedings of the TEC regarding the field inspection are attached to this report as Annexure-5.

Post-Inspection Review and Report Preparation:

15. Having completed the field inspections on 07.08.2025 and 08.08.2025, the TEC met to review its findings and assessment so as to formulate its recommendations and prepare the Report.

16. **Field Status:**

The enumerated trees standing at the project area as per KRIDE Application are 157 in number and these trees are getting affected by the construction activities as stated by the GM, SEMU, KRIDE and the Tree Officer/DCF, BBMP.

FIELD OBSERVATION

It has been noticed that 157 enumerated trees are standing within the project area including the premises of the 04 Railway Stations at the time of field inspection undertaken by the Committee on 07.08.2025 and 08.08.2025. During the course of field Inspection, TEC identified 08 additional trees standing/abutting the project area. Therefore, total 157+08 = 165 trees standing at the project area were assessed.

17. **On-site Retention**

As per field inspection, out of the total 165 trees; 63 trees are standing in the project area, have been identified for retention-on-site as they are not affecting the development activities.

18. **Analysis of other trees**

As verified during the field inspection, the remaining 102 trees will have to be suggested either for translocation or for felling as they are standing within the proposed following physical features of the Project as per KRIDE letter no **KRIDE/BSRP/BBMP/2025/07 dtd 30.08.2025.**

Sl. No.	Physical features	Tree Nos	Location
1.	Construction of Chikkabanavara Railway Station, Foot Over Bridge and Viaduct beyond Chikkabanavara Railway Station	i. Tree No. C-03 to Tree No. C- 14 = 12 Nos. ii. Tree No. C-19 to Tree No. C- 37 = 19 Nos iii. Tree No. 54 = 01 No I Sub-total (i) to (iii) = 32 Nos.	The trees are standing inside the premises of Chikkabanavara Railway Station
2.	Construction of Yeshwanthapura Railway Station and Foot Over Bridge	i. Tree No. Y-01 to Tree No. Y-07 = 07 Nos. ii. Tree No. Y-09 to Tree No. Y-24 = 16 Nos. iii. Tree No. Y-33 to Tree No. Y-38 = 06 Nos. iv. Tree Nos Y-28, Y-30 & 39 = 03 Nos II Sub-total (i) to (iv) = 32 Nos	The trees are standing inside the premises of Yeshwanthapura Railway Station and Foot Over Bridge
3.	Construction of Medarahalli Railway Station and Foot Over Bridge	i. Tree No. M-01 to Tree No. M-11 = 11 Nos. ii. Tree No. M-15 to Tree No. M-35 = 21 Nos. iii. Tree Nos. M-40, M-41 & M-48 = 03 Nos III Sub-total (i) to (ii) = 35 Nos	The trees are standing inside the premises of Medarahalli Railway Station and Foot Over Bridge
4.	Construction of Shettyhalli Railway Station and Foot Over Bridge	i. Trees Nos. S-05, S-06 & S- 07 = 03 Nos. IV Sub-total (i) = 03 Nos	The trees are standing inside the premises of Shettyhalli Railway Station and Foot Over Bridge
Grand Total = Total I + II + III+ IV = 102 trees			

Since these 102 trees are standing right in the construction zone and will be hindering the project activities, their removal becomes inevitable.

19. Translocation:

The next option considered by the TEC in case of those 102 trees which could not be retained-on-site was translocation. For this translocation process, the TEC assessed the suitability of each of these 102 trees standing in the construction zone. In doing so, the TEC considered the following conditions, in addition to verification and consideration of the tree health / tree defects, etc., as recorded in the Template-2 Part-I.

i. Proximity of tree to building structures, trunks proximity to the cement / concrete or tarred surface so as to examine the feasibility of extraction of root-ball of appropriate size;

ii. The natural characteristics and aspects of species viz., ecologically and economically important species; species that could provide food (nectar, pollen, seeds and fruits) and nesting sources (materials and site) to various fauna.

iii. The trees having below mentioned characteristics do not qualify for translocation.
Trees having multiforked trunk, major wounds on the trunk, debarking, physical damage on the bark, scar due to fire, damage (girdling), rotting due to fungal infection

(fruiting bodies of fungus, rotten core, hollowness) or pest infestation (presence of holes and frass as evidence of insect infestation), and dead / dried major branches, etc..

Taking into consideration the above mentioned assessment attributes, the TEC found that totally 16 trees standing within the project area are found suitable for translocation.

Ultimately, the balance 86 trees standing within the project area, which were not found to be suitable either for retention on-site or for translocation, will have to be removed/felled as last resort.

20. **Assessment of areas/sites for Translocation of Trees:**

Having completed the above assessment of trees at the project area, the Committee also inspected the location/area which was identified by the KRIDE for translocation of trees and recommended by the Tree Officer/DCF, BBMP (now GBA) as proposed area for translocation of trees.

Location Site 01 – Vacant space along the compound wall of the Kendriya Vidyalaya School near Yeshwanthapur Railway Station, Bengaluru

Location Site 02 - Vacant space at the backside of the Kendriya Vidyalaya School ground near Yeshwanthapur Railway Station, Bengaluru.

After the field inspection of the translocation areas/sites, the remarks are as below:

i. The School premises has sufficient place to accommodate translocation of 16 trees.
ii. Out of the 16 trees, 14 trees are young and small trees. Hence these trees are recommended for translocation all along the compound wall and other 02 trees are recommended for translocation at the backside of the school.
iii. The area/site proposed for translocation has to be treated as per the advice of the soil analysis report.
iv. The receptor pits should be adequately spaced so that the identified translocated trees (along with excavated earth and protected desirable root ball) get appropriate distance for proper maintenance and cultural operations.
v. Soil amendment may be appropriately practiced in consideration to the soil analysis/ soil test report.
vi. Translocation procedures and guidelines as formulated by UAS should be strictly followed for translocation of all the 16 identified trees.

21. Further the Committee reviewed the soil test analysis report of the above proposed translocation site, as prepared by Department of Soil Sciences and Agricultural Chemistry,

UAS, GKVK, Bangalore with the following inference and as recommended by the Tree Officer/DCF, BBMP.

> '*The soil provided for analysis is neutral in nature, low in salt content and organic carbon content. Hence organic manure should be applied. The soil has medium range of major nutrient NPK as per standards. Calcium and Magnesium is in sufficient range whereas micronutrients such as Iron, Manganese, Zinc and Copper is slightly high.'*

The Tree Officer/DCF, BBMP (now GBA) has stated that KRIDE has submitted letter No. KRIDE letter no **KRIDE/BSRP/BBMP/2025/07 dtd 30.08.2025** issued by the GM, SEMU, KRIDE, Bengaluru in which they have furnished the required particulars of the identified translocation areas besides mentioning the Specific Receptor Sites Coordinates for the 16 trees to be translocated.

The Tree Officer/DCF in turn has submitted the complete details along with his recommendations to TEC which are enclosed at Annexure – 6.

22. The entire translocation details were reviewed by TEC. In this context, the KRIDE Officers apprised that the exercise of demarcation of the boundary of the translocation areas and receptor site coordinates of 16 trees was carried out using the standard survey practices. The Tree Officer/DCF, BBMP (now GBA) has recommended the receptor location sites as proposed by the KRIDE, for the 16 trees to be translocated.

    On enquiry with the KRIDE Authorities and the Tree Officer/DCF, BBMP (now GBA) about the distance of the proposed translocation areas with respect to the places where the trees are standing at present, the Authorities remarked that for the trees standing in the project area, the proposed translocation areas/sites as mentioned in the Para 19 above is situated close to the project area.

23. The TEC deliberated and concurred with the recommendations of the Tree Officer/DCF, BBMP (now GBA) regarding the tree translocation details including specific receptor sites coordinates.

24. The TEC opined that translocation of trees can be done in the proposed receptor sites in accordance with the advice and procedure as rendered by UAS, Bangalore.

25. **Recommendations of TEC:** The TEC carried out a thorough and multipronged scrutiny of all the trees to make its recommendations regarding:

a) Trees which could be saved by retaining on-site as it is;

b) Trees which should be translocated depending upon their general condition as assessed and ecological importance, in the event of (a) above not being possible;

c) Trees recommended for removal/felling in the event of (a) and (b) not being possible including the trees which are silviculturally matured, softwood trees and trees suffering from defects /damages.

Following is the summary of recommendations of the Committee based on the remarks as expressed in the Template-2 Part-III of each tree.

KRIDE, Bangalore Sub-Urban Railway Project for
Construction of Viaduct beyond Chikkabanavara Railway Station,
Foot Over Bridge (FOB) and 04 Stations at Bengaluru
Total 165 trees (As per Field Observations)

Sl. No.	TEC Recommendations	No. of Trees
1.	Enumerated Trees of per Application of the General Manager, SEMU, K-RIDE	157 Nos.
2.	Additional trees found standing in the project area during the course of TEC Inspection	08 Nos
3.	Total trees assessed (Sl. No. 01 + Sl. No. 02)	165 Nos [157 Enumerated + 08 Unnumbered]
4.	Trees which are to be retained -on-site	63 Nos [53 Enumerated + 08 Unnumbered]
5.	Trees found suitable for translocation	16 Nos [All Enumerated]
6.	Trees which can be removed/felled	86 Nos. [All Enumerated]

The translocation of trees should be carried out scrupulously by the competent agencies duly following the guidelines formulated by UAS, GKVK, Bangalore.

In finalizing its report, the TEC has been guided by the process highlighted in Step-8 of the MOP, namely:

i. Meticulous scrutiny of recommendations made by the Tree Officer/DCF, BBMP (now GBA) in compliance to the MOP;

ii. Intense Field inspection of the KRIDE project area to assess each and every tree and record the status of tree and recommendation for its on-site retention/ translocation/felling.

iii. Field inspection of the proposed translocation areas as stated in para 19 above.

20. Directions to the GM, SEMU, KRIDE and the Tree Officer/DCF, BBMP (now GBA)

a) The entire translocation process of trees has to be executed by KRIDE through the Competent Agencies which are experienced in such field operations under close supervision of the Tree Officer/DCF, BBMP (now GBA).

b) The TEC instructed that the concerned Officers of the KRIDE and the Tree Officer/DCF, BBMP (now GBA) should get closely involved in all the forestry works executed related to trees and saplings, maintain records pertaining to Translocation of Trees as well as Compensatory Afforestation.

c) The KRIDE Authorities and the Tree Officer/DCF, BBMP (now GBA) are directed to properly document the translocation process which includes inter-alia location of the translocated trees, name and address of the Agency to whom the translocation work was entrusted, agreement between the Concerned Agency and the KRIDE regarding the proper maintenance of the translocated trees for a period of three years.

d) KRIDE should be advised to raise Compensatory Afforestation on suitable lands in respect of trees to be removed both through the procedure of translocation and the process of felling. For each tree removed, 10 Nos. of tall, healthy saplings should be planted and

properly maintained for a period of 3 years. Periodic status reports must be submitted by KRIDE to the Tree Officer/DCF, BBMP (now GBA).

e) It should be ensured that the greenery of Bengaluru is preserved and enhanced through effective maintenance of planted saplings, translocated trees and standing trees under all circumstances.

21. Monitoring and Evaluation

Quarterly progress reports have to be prepared by the KRIDE and submitted to the Tree Officer/DCF, BBMP (now GBA) who shall regularly monitor and evaluate the maintenance and protection works for conducive growth of saplings planted and trees translocated.

22. Record keeping:

i. The Tree Officer/DCF, BBMP (now GBA) is advised to maintain full records of the GM, SEMU, KRIDE application, its processing, field inspection, etc., for a minimum period of 3 years. The information collected in various templates as suggested in the MOP, especially Template-2 Part-1 to IV, should be maintained carefully.

ii. An abstract of the recommendation of TEC in Template No.4 and a statement prepared on the basis of detailed TEC Report for each of the 165 trees covered herein are enclosed as Appendix to this Report.

Member - Secretary
Tree Expert Committee &
ACF, Bruhat Bengaluru Mahanagara Palike,
now Greater Bengaluru Authority
Bengaluru

APPENDIX

TEC Recommendations and Justification for On-site Retention/Translocation/Felling

Application No. :K-RIDE/BSRP/BBMP/2025/23 dtd.03.06.2025

Project Area : Field Inspection Report of Trees at proposed Construction of stations in Corridor-2 of BSRP project

1. Chikkabanavara Railway Station area

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
1.	C-1	Atti	2.45	2.50	Retention	Tree is standing on the edge of the proposed entry & exit gate of the station. Tree can be retained on the site with slight modification of the design.
2.	C-2	Halasu	0.50	2.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
3.	C-3	Halasu	0.65	2.50	Translocation	Tree is standing within the proposed station area, young and healthy. Recommended for Transplantation.
4.	C-4	Mango	0.75	2.00	Felling	Tree is standing within the proposed station area. Tree is forked and bended, recommended for felling.
5.	C-5	Mango	0.30	3.00	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation
6.	C-6	Halasu	0.30	3.00	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation
7.	C-7	Mango	0.52	1.00	Felling	Tree is standing within the proposed station area. Tree is forked and bended, recommended for felling
8.	C-8	Tabebuia rosea	1.00	1.50	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation
9.	C-9	Tabebuia rosea	0.60	1.25	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
10.	C-10	Thespesia populnea (Hoovarasi)	0.60	2.00	Felling	Tree is standing within the proposed station area. Tree is forked and bended, recommended for felling.
	A		0.45	1.00		
11.	C-11	Kadu badami	0.35	2.00	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation
12.	C-12	Kadu badami	0.45	1.50	Translocation	Tree is standing within the proposed station area. Tree is young and healthy, recommended for Transplantation
13.	C-13	Sisoo	0.35	2.00	Felling	Tree is standing within the proposed station area. Tree is bended, not suitable for transplantation. Recommended for felling.
14.	C-14	Tapasi	2.30	1.50	Felling	Tree is standing within the proposed station area. Tree is matured and forked not suitable for transplantation. Recommended for felling.
	A	Tapasi	2.20	1.50		
15.	C-15	Tabasi	1.00	2.50	Retention	Tree is standing on the edge of the proposed entry & exit gate of the station. The branches of the tree can be pruned effectively. Tree can be retained on the site with slight modification of the design.
	A		0.65	1.50		
	B		0.90	1.50		
16.	C-16	Goni	1.65	2.00	Retention	Tree is standing on the edge of the proposed entry & exit gate of the station. The branches of the tree can be pruned effectively. Tree can be retained on the site with slight modification of the design.
17.	C-17	Jamm Nerale	1.10	2.00	Retention	Tree is standing on the edge of the proposed entry & exit gate of the station. The branches of the tree can be pruned effectively. Tree can be retained on the site with slight modification of the design.
	A	Jamm Nerale	0.45	1.00		
18.	C-18	Tangadi	0.40	2.00	Retention	Tree is standing on the edge of the proposed entry & exit gate of the station. The branches of the tree can be pruned effectively. Tree can be retained on the site with slight modification of the design.
	A		0.30	2.00		

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
19.	C-19	Tangadi	0.40	1.00	Felling	Tree is standing within the proposed project area. Tree is forked and bended, recommended for felling.
	A		0.35	1.00		
20.	C-20	Tangadi	0.40	1.00	Felling	Tree is standing within the proposed project area. Tree is forked and bended, recommended for felling.
21.	C-21	Bevu	0.65	2.00	Felling	Tree is standing within the proposed project area. Tree is bended, hard wood species and not suitable for transplantation. Recommended for felling.
22.	C-22	Tangadi	0.35	1.00	Felling	Tree is standing within the proposed project area. Tree is forked and bended, recommended for felling.
23.	C-23	Bevu	0.60	1.50	Felling	Tree is standing within the proposed project area. Tree is hard wood species, bark damaged, not suitable for transplantation. Recommended for felling.
24.	C-24	Rain tree	1.45	1.50	Felling	Tree is standing within the proposed project area. Tree is matured and not suitable for transplantation. Recommended for felling.
25.	C-25	Goni	0.50	1.00	Felling	Tree is standing within the proposed project area. Tree is bended not suitable for transplantation. Recommended for felling.
26.	C-26	Rain tree	1.20	2.50	Felling	Tree is standing within the proposed project area. Tree is forked and matured, not suitable for transplantation. Recommended for felling.
	A		1.30	1.50		
	B		0.35	1.50		
27.	C-27	Goni	1.70	1.20	Felling	Tree is standing within the proposed proejct area. Tree is matured and not suitable for transplantation. Recommended for felling,
28.	C-28	Goni	1.50	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and not suitable for transplantation. Recommended for felling,

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
29.	C-29	Rain tree	1.75	2.50	Felling	Tree is standing within the proposed project area. Tree is matured and not suitable for transplantation. Recommended for felling,
30.	C-30	Goni	0.90	1.00	Felling	Tree is standing within the proposed project area. Tree is forked and bended, not suitable for transplantation. Recommended for felling.
31.	C-31	Jaali	1.50	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
32.	C-32	Jaali	1.60	1.20	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
33.	C-33	Jaali	1.10	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
34.	C-34	Jaali	1.30	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
35.	C-35	Jaali	1.30	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
36.	C-36	Jaali	1.90	1.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
37.	C-37	Jaali	1.50	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and fully bended. Recommended for felling.
38.	C-38	Tabebuia rosea	0.20	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
39.	C-39	Tabebuia rosea	0.25	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
40.	C-40	Honge	0.50	1.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
41.	C-41	Jaali	1.20	2.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
42.	C-42	Saarve mara	1.00	2.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
43.	C-43	Tabebuia rosea	0.25	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
44.	C-44	Tabebuia rosea	0.30	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
45.	C-45	Hoovarasi	0.20	1.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
46.	C-46	Arali	3.00	1.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site with pruning of the branches.
47.	C-47	Arali	0.80	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
48.	C-48	Gasgase	0.35	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
49.	C-49	Atti	1.30	1.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
50.	C-50	Bevu	1.40	2.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
51.	C-51	Rain tree	1.50	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site by pruning of braches.
52.	C-52	Tabebuia rosea	0.20	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
53.	C-53	Gasgase	0.20	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
54.	C-54	Goni	1.70	2.00	Felling	Tree is standing within the proposed project area. Tree is matured and not suitable for transplantation. Recommended for felling,
55.	C-55	Eucalyptus	1.20	4.00	Retention	Tree is standing in the private land, which is not yet acquired due to court litigation. Recommended for retention on the site.
56.	C-56	Eucalyptus	1.40	3.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
57.	C-57	Charcoal	1.10	2.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
2. Yeswanthpur Railway Station Area						
58.	Y-1	Arali	3.00	2.00	Felling	Tree is standing within the proposed site. Tree is matured not suitable for transplantation. Recommended for felling.
59.	Y-2	Arali	3.80	1.50	Felling	Tree is standing within the proposed site. Tree is matured not suitable for transplantation. Recommended for felling.
60.	Y-3	Arali	2.10	2.00	Translocation	Tree is standing within the proposed site. The tree is recommended for transplantation in nearby area. Since the tree is large sufficient root ball should be taken and at most care should be taken during transplantation.
61.	Y-4	Arali	2.90	2.00	Felling	Tree is standing within the proposed site. Tree bark is damaged and matured not suitable transplantation. Recommended for felling.
62.	Y-5	Atti	3.15	2.00	Felling	Tree is standing within the proposed site. Tree is bended and matured, not suitable for transplantation. Recommended for felling.
63.	Y-6	Arali	3.15	2.00	Translocation	Tree is standing within the proposed site. The tree is recommended for transplantation in nearby area. Since the tree is large sufficient root ball should be taken and at most care should be taken during transplantation.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
64.	Y-7	Eucalyptus	2.30	6.00	Felling	Tree is standing within the proposed site. Tree bark is damaged and matured not suitable transplantation. Recommended for felling.
65.	Y-8	Atti	1.90	2.50	Retention	Tree is standing on the edge of the proposed site. Tree can be retained with slight modification in the alignment. Recommended for retention on the site.
66.	Y-9	Arali	2.65	2.10	Translocation	Tree is standing within the proposed site. The tree is recommended for transplantation in nearby area. Since the tree is large sufficient root ball should be taken and at most care should be taken during transplantation.
67.	Y-10	Mango	1.60	3.15	Felling	Tree is standing within the proposed site. Tree is forked and matured, not suitable for transplantation. Recommended for felling.
68.	Y-11	Coconut	0.90	7.00	Felling	Tree is standing within the proposed site. Tree is bended, recommended for felling
69.	Y-12	Honge	1.00	2.50	Felling	Tree is standing within the proposed site. Tree is bended and forked, recommended for felling.
70.	Y-13	Honge	0.60	2.00	Felling	Tree is standing within the proposed site. Tree is bended and forked, recommended for felling.
71.	Y-14	Paper mulberry	0.80	1.50	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
72.	Y-15	Goni	0.20	1.00	Translocation	Tree is standing within the proposed site. Tree is young and healthy, recommended for Transplantation
73.	Y-16	Paper mulberry	0.90	2.00	Felling	Tree is standing within the proposed site. . It's naturally grown in the area, exotic species, recommended for felling
74.	Y-17	Palm	1.10	3.00	Felling	Tree is standing within the proposed site. Palm is bended, recommended for felling.
75.	Y-18	Honge	0.50	2.00	Felling	Tree is standing within the proposed site. Tree is bended and forked, recommended for felling.
	A		0.40	2.00		
76.	Y-19	Paper mulberry	1.30	2.00	Felling	Tree is standing within the proposed site. Tree is bended and forked, recommended for felling.
	A		1.00	2.00		
	B		0.45	2.00		

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
77.	Y-20	Paper mulberry	0.40	3.00	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
78.	Y-21	Paper mulberry	0.90	1.50	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
	Y-21 A		0.90	1.50		
79.	Y-22	Gulmohar	1.75	3.00	Felling	Tree is standing within the proposed site. Tree is matured and stem portion is decayed, recommended for felling
80.	Y-23	Ashoka	0.60	3.00	Felling	Tree is standing within the proposed site. Tree is bended and forked, recommended for felling.
	A		0.65	3.00		
81.	Y-24	Basari	4.85	3.00	Felling	Tree is standing within the proposed site. Tree is matured, not possible to take required root ball. Recommended for felling.
82.	Y-25	Spathodea	2.15	4.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
83.	Y-26	Basavanapada	1.00	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
84.	Y-27	Gulmohar	1.80	3.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
85.	Y-28	Mango	0.40	2.50	Translocation	Tree is standing within the proposed site. Tree is young and healthy, recommended for Transplantation.
86.	Y-29	Silver Oak	2.00	4.00	Retain	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
87.	Y-30	Peltophorum	2.20	3.00	Felling	Tree is standing within the proposed site. Tree is matured and bark damaged, recommended for felling.
88.	Y-31	Spathodea	2.45	3.50	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
89.	Y-32	Gulmohar	1.90	3.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
90.	Y-33	Spathodea	2.30	2.50	Felling	Tree is standing within the proposed site. Tree is matured and bended, recommended for felling.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
91.	Y-34	Gulmohar	2.90	1.50	Felling	Tree is standing within the proposed site. Tree is matured and bended, recommended for felling.
92.	Y-35	Silver Oak	1.50	5.00	Felling	Tree is standing within the proposed site. Tree is matured and not suitable for transplantation. Recommended for felling.
93.	Y-36	Tangadi	1.50	2.00	Felling	Tree is standing within the proposed site. Tree is matured and bended, recommended for felling.
94.	Y-37	Subabul	1.20	2.50	Felling	Tree is standing within the proposed site. Tree is matured and bended, recommended for felling.
95.	Y-38	Rain tree	1.35	3.50	Felling	Tree is standing within the proposed site. Tree is matured and bended, recommended for felling.
96.	Y-39	Rain tree	1.05	4.00	Translocation	Tree is standing within the proposed site. Tree is young and healthy, recommended for Transplantation.
97.	Y-40	Rain tree	1.60	3.00	Felling	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
98.	Y-41	Subabul	0.40	2.00	Felling	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
99.	Y-42	Silver Oak	1.00	2.50	Retention	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
100.	Y-43	Spathodea	2.45	3.00	Felling	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
101.	Y-44	Eucalyptus	2.00	1.50	Retention	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
102.	Y-45	Mango	1.00	1.00	Retention	Tree is standing outside the project alignment. Tree can be pollard at an appropriate height. Hence recommended for retention on the site.
	A		0.80	1.00		
	B		0.70	1.00		
103.	Y-46	Mango	1.80	1.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
104.	Y-47	Bevu	1.40	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
105.	Y-48	Gasagase	0.75	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
106.	Y-49	Honge	0.35	1.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
107.	Y-50	Seemarooba	0.35	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
108.	Y-51	Paper mulberry	0.60	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
109.	Y-52	Sandal	0.50	1.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
110.	Y-53	Silver Oak	1.05	4.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
3. Medarahalli Station Corridor – 2						
111.	M-1	Jaali	0.8	1.50	Felling	Tree is standing within the proposed site. Tree is bended, recommended for felling.
112.	M-2	Jaali	0.4	1.50	Felling	Tree is standing within the proposed site. Tree is bended, recommended for felling.
113.	M-3	Honge	0.7	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A	Honge	0.3	1.00	Felling	
114.	M-4	Honge	0.35	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
115.	M-5	Honge	0.75	1.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
116.	M-6	Honge	0.6	1.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
117.	M-7	Honge	0.65	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
118.	M-8	Rain tree	0.45	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.45	2.00		

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
119.	M-9	Rain tree	0.85	1.50	Felling	Tree is standing within the proposed site. Tree branch is cut, recommended for felling.
120.	M-10	Echalu	1.00	1.00	Felling	Tree is missing during the inspection.
121.	M-11	Honge	0.40	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.30	1.00		
122.	M-12	Honge	0.75	1.50	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
123.	M-13	Honge	0.55	1.50	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
124.	M-14	Honge	0.70	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
125.	M-15	Paper mulberry	0.70	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.60	2.00		
	B		0.60	2.00		
126.	M-16	Paper mulberry	0.60	2.00	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
127.	M-17	Honge	0.35	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.25	1.00		
128.	M-18	Honge	0.80	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
129.	M-19	Honge	0.64	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.35	1.00		
130.	M-20	Honge	0.70	1.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.55	1.50		
131.	M-21	Honge	0.70	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
132.	M-22	Dalichand	0.25	2.00	Translocation	Tree is standing within the proposed site. Tree is young and healthy, recommended for Transplantation.
133.	M-23	Dalichand	0.43	2.00	Translocation	Tree is standing within the proposed site. Tree is young and healthy, recommended for Transplantation.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
134.	M-24	Honge	0.75	1.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
135.	M-25	Dalichand	0.60	3.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.45	2.00		
136.	M-26	Honge	0.60	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
137.	M-27	Honge	0.75	2.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
138.	M-28	Honge	0.40	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
139.	M-29	Honge	0.40	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
140.	M-30	Rain tree	0.60	2.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.25	1.50		
141.	M-31	Honge	0.40	1.50	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
	A		0.20	1.00		
142.	M-32	Honge	0.65	1.00	Felling	Tree is standing within the proposed site. Tree is forked and bended, recommended for felling.
143.	M-33	Coconut	1.20	10.00	Felling	Tree is standing within the proposed site. Tree is bended, recommended for felling.
144.	M-34	Athi	2.50	2.00	Felling	Tree is standing within the proposed site. Tree is matured, not possible for transplantation. Recommended for felling.
145.	M-35	Rain tree	1.60	2.00	Felling	Tree is standing within the proposed site. Tree is already pruned for railway maintenance. Recommended for felling.
146.	M-36	Paper mulberry	0.35	1.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
147.	M-37	Echalu	0.90	6.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
148.	M-38	Paper mulberry	0.40	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
149.	M-39	Paper mulberry	0.35	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
150.	M-40	Paper mulberry	0.45	2.00	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
151.	M-41	Paper mulberry	0.40	1.00	Felling	Tree is standing within the proposed site. It's naturally grown in the area, exotic species, recommended for felling.
152.	M-42	Neem	1.20	3.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
153.	M-43	Paper mulberry	0.40	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
154.	M-44	Paper mulberry	0.35	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
155.	M-45	Paper mulberry	0.35	2.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
156.	M-46	Echalu	1.00	10.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
157.	M-47	Nerale	0.35	1.00	Retention	Tree is standing on the edge of the alignment, can be retained on the site with slight modification of the alignment.
158.	M-48	Coconut	0.90	2.00	Felling	Tree is standing within the proposed site. Tree is bended recommended for felling.
4.	**Shettihalli Station Area**					
159.	S-1	Arali	0.40	1.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
160.	S-2	Arali	0.30	1.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
161.	S-3	Arali	0.90	1.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.

Sl. No	Tree No	Tree Name	Girth (m)	Hight (m)	TEC recommendation	Remarks
162.	S-4	Arali	0.90	1.00	Retention	Tree is standing outside the project alignment, recommended for retention on the site.
	A		0.80	1.00		
163.	S-5	Arali	0.90	1.50	Felling	Tree is standing within the proposed project alignment, not suitable for transplantation. Recommended for felling.
	A		0.70	1.00		
164.	S-6	Arali	0.70	1.00	Translocation	Tree is standing within the proposed project alignment, young and healthy. Recommended for Transplantation.
165.	S-7	Rain tree	1.75	2.50	Felling	Tree is standing within the proposed project alignment, matured not suitable for transplantation. Recommended for felling.

ABSTRACT

Particulars	Total No. of trees
Total trees recommended for on-site retention	63
Trees found suitable for translocation	16
Trees for felling	86
Total	**165**

(M.S. SANTOSH KUMAR)
Member Secretary, TEC
& Assistant Conservator of Forest,
South Bangalore Corporation,
Greater Bangalore Authority,
Bengaluru.

ANNEXURE – 4

Proceedings of the Tree Expert Committee Meeting held on 29.07.2025 in respect of review of KRIDE Applications for its Project pertaining to Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations. Findings on Objections in response to Public Notice issued by the DCF/Tree Officer, BBMP and Preliminary Assessment of trees by the Tree Officer/DCF, BBMP, Bengaluru.

Application Nos. : **K-RIDE/BSRP/BBMP/23 dtd 03.06.2025**

Project Area : The trees are standing at the Project areas including the premises of the Railway Stations viz., Chikkabanavara Railway Station, Shettigere Railway Station, Mydrahalli Station and Yeshwanthapura Railway Station at Bengaluru.

1. The Tree Officer/DCF, BBMP vide his letter dtd 23.07.2025 submitted his findings on objections/suggestions received in response to the Public Notice dtd. 26.06.2025 issued by him along with preliminary assessment of trees related to an application filed by the General Manager, SEMU, KRIDE, Bengaluru, pertaining to removal of 157 number of trees for Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations. The submission was accompanied by the following documents:

   a. A copy of Application dated 03.06.2025 received from the General Manager, SEMU, KRIDE along with project particulars, maps of the areas and details of standing trees involved including their GPS coordinates.

   b. A copy of the Public Notice dated 26.06.2025 issued by the Tree Officer/DCF, BBMP and a complete set of the objections/suggestions received from the public in response to that Notice and a copy of the proceedings of the Tree Officer/DCF, BBMP regarding consideration of the objections/ suggestions as per Section 8 (3) (vii) of the Karnataka Preservation of Trees Act, 1976 (Henceforth referred as KPT Act).

   c. Tree Assessment Forms in Template 2 with Part I (dtd 23.06.2025 and 25.06.2025) containing tree details as furnished by Range Forest Officer and Part II (dtd 23.07.2025) containing preliminary assessment by the Tree Officer/DCF, BBMP for each of 157 trees proposed for removal by K-RIDE.

   d. An Abstract of the review of the K-RIDE application and preliminary assessment of trees by the Tree Officer/DCF, BBMP in Template 3 Part I.

e. A statement prepared by Tree Officer/DCF, BBMP showing the tree details along with preliminary assessment and justification for on-site retention / translocation / felling of trees.

The very purpose of issue of Public Notice provides a structured way of obtaining concerns / objections of the public and to consider them carefully by the Tree Officer/DCF, BBMP and the Proponent Agency (K-RIDE).

2. The application of the General Manager, SEMU, KRIDE was reviewed by the Tree Expert Committee (mentioned as TEC henceforth) in its meeting held on 29-07-2025.

3. In this context, the Tree Officer/DCF, BBMP has reported that 01 number of objection/ suggestion/observation has been received from the public. The Objector has stated that while the expansion of public transport is a critical need, it must be balanced with environmental responsibility. The large-scale removal of mature trees poses serious ecological risks like diminishing local air quality, reducing canopy cover, weakening urban biodiversity. His opinion is that because of lack of publicly accessible information such as a detailed tree map, environmental impact statement, or clear design alternatives, the ability of citizens to make informed contributions to this process gets limited. The objector also requested to reassess the alignment and engineering choices to minimize tree loss besides exploring the tree transplantation wherever feasible; ensuring that compensatory afforestation is meaningful and it is done within Bengaluru limits. He has further suggested to publish a transparent report on the ecological impact of this tree removal.

As the objection was of administrative and technical nature, the objections was communicated to KRIDE so as to obtain their remarks. In reply, the following remarks have been submitted by KRIDE with regard to the above objection:

a. Re-access the alignment and Engineering choices to minimize the tree loss – In connection with the given point it is to inform that alignment has been fixed in consultation with SWR Railway Officers and the approval has been accorded by the Railway Board. The alignment is best considering the minimum loss of trees.

b. Explore Tree Transplantation wherever feasible – It will be done as per the guidelines issued by BBMP

c. Ensure that Compensatory Afforestation is meaningful and is done within Bengaluru Limits – It will be done by the DCF, BBMP within BBMP limits.

d. Publish a transparent report on the ecological impact of this tree removal – The EIA report has been already placed on KRIDE Website.

Further the Tree Officer/DCF, BBMP has stated that the procedures as stipulated under the Government Acts and Rules will be strictly followed besides duly obeying the directives of the Hon'ble High Court of Karnataka. He emphasized that the first priority of the Forest Authorities will be to save and retain more number of trees at the spot itself and in case that is not possible, the next option would be translocation of trees. The translocation will be done for the trees which fulfill the required criteria like nature of species, tree having suitable girth, status/health conditions of the tree, feasibility of root-ball excavation of appropriate size. Subsequently, the felling of trees has to be the last resort. The Compensatory Afforestation is also stipulated through planting of saplings in the ratio 1:10 i.e., 10 saplings to be planted in lieu of each tree which is removed, either through translocation or by felling.

4. The KRIDE Engineers of the concerned Project who were present during the meeting were advised to make a presentation regarding the proposal on subjects like features of the project, compulsions/necessity for removal of trees given the project alignment and design, possibility of retaining the trees while carrying out the project construction activities and on other connected matters.

5. The KRIDE Engineers besides making presentation emphasized that the population of Bengaluru has been growing faster. There has been a phenomenal increase in number of vehicles as well in the recent past due to rising household incomes. In the absence of adequate public transport system, people are using personalized modes which are not only leading to congestion on limited road capacity network but also increasing environmental pollution. They informed that an average citizen of Bengaluru spends more than 240 hours stuck in traffic every year (Source: K-RIDE DPR and Social Impact Assessment and Environment Impact Assessment (SIAEIA) Report). Such delays result in loss of productivity, reduced ambient air quality, reduced quality of life, and increased costs for services and goods. Further BSRP is a new Suburban Railway Project envisaging construction of 4 dedicated Rail Corridors in a period of 6 years. It will link Bengaluru to its Satellite Townships, suburbs, surrounding areas and provide a mass rail based rapid transit system.

6. The TEC considered the Abstract of the Review of the KRIDE Application by the Tree Officer/DCF, BBMP on the basis of his preliminary assessment of trees in Template 3 Part I. The Committee examined the statement containing tree details, preliminary assessment/justification related to trees and noted the following recommendations made by the Tree Officer/DCF, BBMP.

Particulars	Total trees
Total Trees in the Project Area	**157 Nos**
Trees which can be considered for on-site retention	**Nil**
Trees found suitable for translocation	**Nil**
Trees recommended for felling	**157 Nos**

7. The TEC also perused the preliminary assessment of each tree in Part-I & II of Template 2. The TEC noted that the Forest Officers have inspected each tree before forming the preliminary assessment.

   The TEC decided to visit the Project Area and scheduled the field inspection of the various spots/areas/sites.

   The concerned Forest Officers and the Representatives of KRIDE were instructed to be present at the project areas/spots at the time of field inspection along with all necessary documents.

Member-Secretary,
Tree Expert Committee &,
Assistant Conservator of Forests,
Bruhat Bengaluru Mahanagara Palike
now Greater Bengaluru Authority
Bengaluru

ANNEXURE – 5

Proceedings of the Tree Expert Committee regarding Field Inspection of trees existing at the Project Area of KRIDE for its Project pertaining to Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations.

Application Nos. : **K-RIDE/BSRP/BBMP/23 dtd 03.06.2025**

Project Area : The trees are standing at the Project areas including the premises of the Railway Stations viz., Chikkabanavara Railway Station, Shettigere Railway Station, Mydrahalli Station and Yeshwanthapura Railway Station at Bengaluru.

In furtherance of the proceedings of TEC meeting held on 29.07.2025 and taking into consideration the remarks related to review of KRIDE application by the Tree Officer/DCF, BBMP and preliminary assessment of trees done by the Tree Officer/DCF, BBMP, the assessment of 157 trees standing within the project area for the proposed K-RIDE project was carried out by the TEC on 07.08.2025 and 08.08.2025. The concerned Forest Officers and the Representatives of KRIDE were present at the sites. The Committee meticulously followed the norms of conducting field inspection.

1. The below mentioned activities were carried out by the TEC for each tree assessed.

    i. Physical verification of the tree number and the associated information related to the tree as collected by the BBMP Forest Wing Officers in Template 2 Part I, including tree health / tree defects and general condition of each tree.

    ii. Confirmation regarding those trees being inside the project area and standing at the proposed construction activity sites.

    iii. Discussion with KRIDE Authorities to explore possibility of carrying out the construction activities without removal of trees and identification of those trees which can be retained on-site. This also included discussions on the aspect of change in alignment and design of the Project so as to save maximum number of trees.

    iv. Review of the preliminary assessment of the trees as done by the Tree Officer/DCF, BBMP in the Template 2 Part II.

    v. Assessment of general conditions of the trees to decide the feasibility of tree translocation in the event of retention-on-site not possible.

2. The Committee in its above set of activities was guided by the detailed procedure and prioritization formulated in Step 7 of the Memorandum of Procedure (MOP).

3. The Committee carried out thorough and multipronged scrutiny of all the trees to make its recommendations regarding:

a) Trees which could be saved by retaining on-site as it is;

b) Trees which should be translocated depending upon their general condition as assessed and ecological importance, in the event of (a) above not being possible;

c) Trees recommended for removal in the event of (a) and (b) not being possible including the trees which are silviculturally matured, softwood trees and trees suffering from defects / damages.

4. **Field Status:**

The enumerated trees standing at the project area as per KRIDE Application are 157 in number and these trees are getting affected by the construction activities as stated by the GM, SEMU, KRIDE and the Tree Officer/DCF, BBMP.

FIELD OBSERVATION

It has been noticed that 157 enumerated trees are standing within the project area including the premises of the 04 Railway Stations at the time of field inspection undertaken by the Committee on 07.08.2025 and 08.08.2025. During the course of field inspection, TEC identified 08 additional trees standing/abutting the project area. Therefore, total 157+08 = 165 trees standing at the project area were assessed.

5. **On-site Retention**

As per field inspection, out of the total 165 trees; 63 trees standing in the project area have been identified for retention-on-site as they are not affecting the development activities.

6. **Analysis of other trees**

As verified during the field inspection, the remaining 102 trees will have to be suggested either for translocation or for felling as they are standing within the proposed following physical features of the Project as per KRIDE letter no **KRIDE/BSRP/BBMP/2025/07 dtd 30.08.2025.**

Sl. No.	Physical features	Tree Nos	Location
1.	Construction of Chikkabanavara Railway Station, Foot Over Bridge and Viaduct beyond Chikkabanavara Railway Station	i. Tree No. C-03 to Tree No. C- 14 = 12 Nos. ii. Tree No. C-19 to Tree No. C- 37 = 19 Nos iii. Tree No. 54 = 01 No I Sub-total (i) to (iii) = 32 Nos.	The trees are standing inside the premises of Chikkabanavara Railway Station
2.	Construction of Yeshwanthapura Railway Station and Foot Over Bridge	i. Tree No. Y-01 to Tree No. Y-07 = 07 Nos. ii. Tree No. Y-09 to Tree No. Y-24 = 16 Nos. iii. Tree No. Y-33 to Tree No. Y-38 = 06 Nos. iv. Tree Nos Y-28, Y-30 & 39 = 03 Nos II Sub-total (i) to (iv) = 32 Nos	The trees are standing inside the premises of Yeshwanthapura Railway Station and Foot Over Bridge

3.	Construction of Medarahalli Railway Station and Foot Over Bridge	i. Tree No. M-01 to Tree No. M-11 = 11 Nos. ii. Tree No. M-15 to Tree No. M-35 = 21 Nos. iii. Tree Nos. M-40, M-41 & M-48 = 03 Nos III Sub-total (i) to (ii) = 35 Nos	The trees are standing inside the premises of Medarahalli Railway Station and Foot Over Bridge
4.	Construction of Shettyhalli Railway Station and Foot Over Bridge	i. Trees Nos. S-05, S-06 & S- 07 = 03 Nos. IV Sub-total (i) = 03 Nos	The trees are standing inside the premises of Shettyhalli Railway Station and Foot Over Bridge
Grand Total = Total I + II + III+ IV = 102 trees			

Since these 102 trees are standing right in the construction zone and will be hindering the project activities, their removal becomes inevitable.

7. Translocation:

The next consideration for the Committee was to identify the trees out of the above 102 trees standing in the Construction Zone, which are fit and suitable for Translocation. While making recommendations for translocation of the trees, the Committee considered the following conditions, in addition to the tree health / tree defects etc., as recorded in the Template 2 Part I.

i. Proximity of tree to building structures, trunks proximity to the cement / concrete or tarred surface so as to examine the feasibility of extraction of root-ball of appropriate size;

ii. The natural characteristics and aspects of species viz., ecologically and economically important species; species that could provide food (nectar, pollen, seeds and fruits) and nesting sources (materials and site) to various fauna.

iii. The trees having below mentioned characteristics do not qualify for translocation.
Trees having multi-forked trunk, major wounds on the trunk, debarking, physical damage on the bark, scar due to fire, damage (girdling), rotting due to fungal infection (fruiting bodies of fungus, rotten core, hollowness) or pest infestation (presence of holes and frass as evidence of insect infestation), and dead / dried major branches, etc..

8. For the trees having the potential for translocation, availability of effective zone to extract the root-ball of sufficient size was also assessed. The trees in the above category (iii) and those without adequate effective zone to extract the root-ball were specifically not recommended for the translocation.

9. Considering the required attributes, the Committee after assessment found that 16 trees standing within the project area, can be considered for translocation to suitable places.

10. Ultimately the balance 86 trees standing within the project area, which could neither be retained-on-site nor translocated, were recommended for felling as last resort.

11. The assessment with justification for each tree was recorded as stipulated in Part-III of Template 2.

12. Following is the summary of recommendations of the Committee,

KRIDE, Bangalore Sub-Urban Railway Project for
Construction of Viaduct beyond Chikkabanavara Railway Station,
Foot Over Bridge (FOB) and 04 Stations at Bengaluru
Total 165 trees (As per Field Observations)

Sl. No.	TEC Recommendations	No. of Trees
1.	Enumerated Trees of per Application of the General Manager, SEMU, K-RIDE	157 Nos.
2.	Additional trees found standing in the project area during the course of TEC Inspection	08 Nos
3.	Total trees assessed (Sl. No. 01 + Sl. No. 02)	165 Nos [157 Enumerated + 08 Unnumbered]
4.	Trees which are to be retained -on-site	63 Nos [53 Enumerated + 08 Unnumbered]
5.	Trees found suitable for translocation	16 Nos [All Enumerated]
6.	Trees which can be removed/felled	86 Nos. [All Enumerated]

13. A statement containing recommendations and justification for each tree along with the tree details is appended to these proceedings.

14. The Committee instructed the KRIDE authorities and the Tree Officer/DCF, BBMP to furnish the pertinent details of the Translocation Areas and Specific Receptor Site Coordinates for the translocation of 16 trees which have to be translocated.

In pursuance to the stipulations as mentioned in KPT Act 1976, KRIDE should take up Compensatory Afforestation by planting 1020 numbers of tall, healthy saplings at suitable places in lieu of 102 trees which are to be translocated/felled as involved in KRIDE Project for Construction of Viaduct beyond Chikkabanavara Railway Station, Foot Over Bridge (FOB) and 04 Stations,

Member-Secretary,
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