

## **4<sup>th</sup> Quarterly report (March, April & May 2024)**



## **OM 1**

**Official Memorandum dated 27/12/2022**

**Report on Implementation of Official Memorandum dated 27/12/2022 (Baiyyapanahalli to Chikkabanawara) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project** : Bengaluru Suburban Railway projects  
BSRP, Corridor-2

**Location of the Project** : Bengaluru

**OM issued date by the Tree Officer, BBMP** : 27.12.2022

**Permission Date** : 06.02.2023

**Details of the OM dtd: 27.12.2022**

**Total number of Trees to be removed** : 268 Nos. recommended.

**Total Number of Trees Recommended for the Retention on Site** : 315

**Total Number of Trees Recommended for Translocation on Site.** : 58

**Details of Compensatory Plantation** : Done by BBMP

**Detail of Translocation:**

**Agency entrusted for tree translocation by L & T TIIC** : TMRH Plantations

**Location of Receptor Site** : Kendriya Vidyalaya, Ground, Yeshwantpur

**Total number of trees to be translocated as per OM** : 58

**Translocation completed Month and Year :** 17 No's Completed, June 1<sup>st</sup> 2024

**Total number of trees to be translocation balance :** 41

**Total number of trees observed with survival symptoms.** : 12

**Total number of trees not encounter with any type of survival symptoms** : 5

**Procedure for agency selection by L & T TIIC :** Based on experience and credential review

**Methodology adopted for the tree translocation & Felling :** Root Ball Method as per the UAS, GKVK, guideline 2020

**Supervision of translocation :** KRIDE & GC

**Supervision by Forest Dept** BBMP Tree officer or Officer deputed by tree officer BBMP

## **A. TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation:**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also

possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 17 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 12 translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 05 no. of translocated tree is not encountered with any survival symptoms.

### **A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

#### **A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

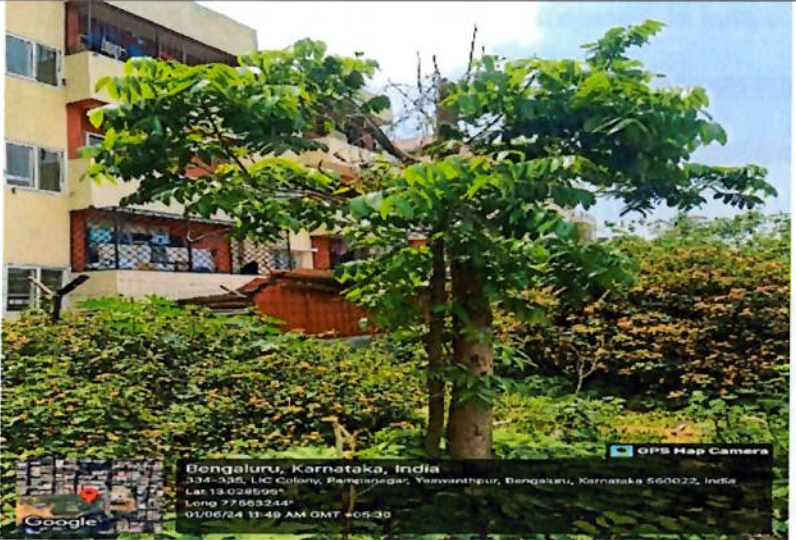

**Watering:** Regularly

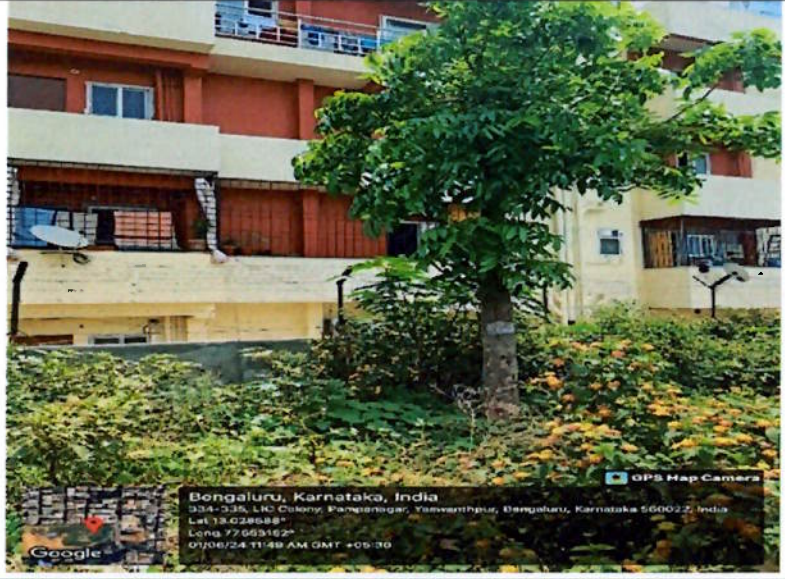

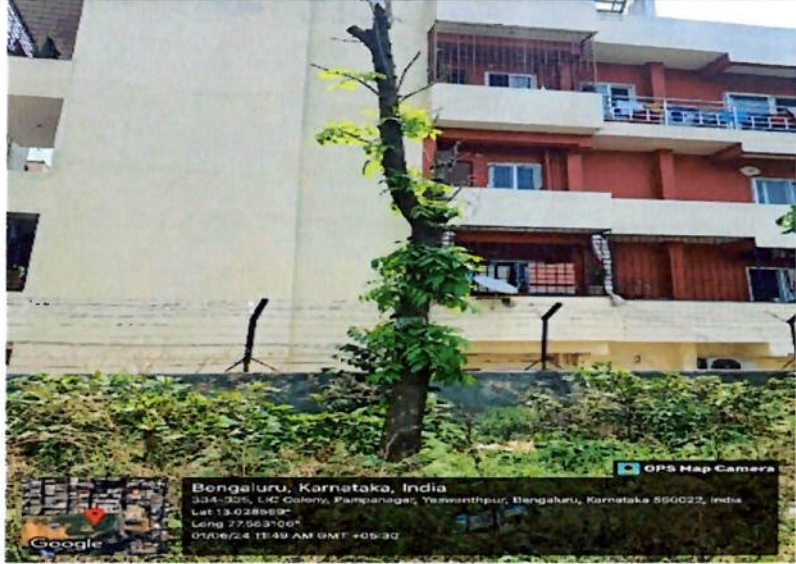
**Application of Fertilizers:** Not Applied

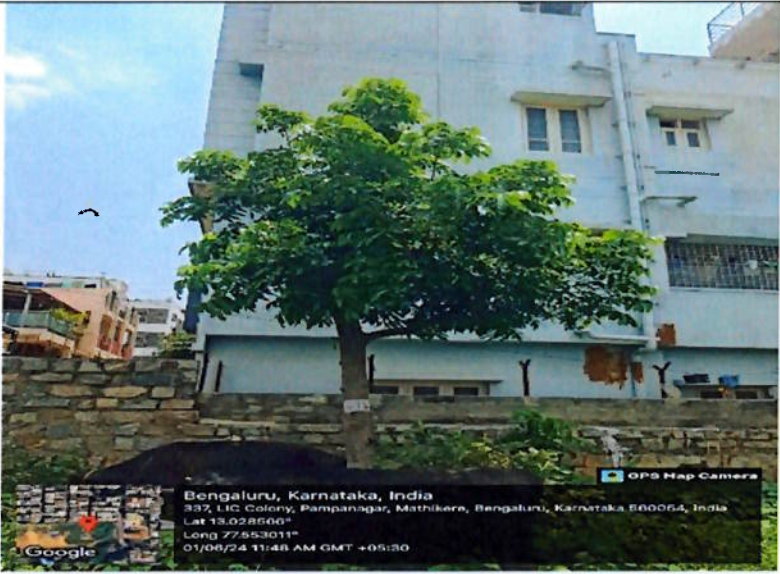
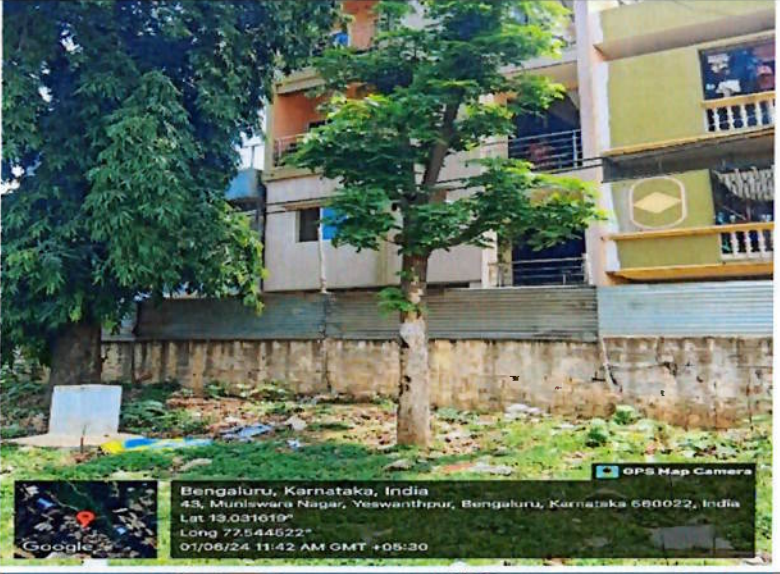

**B. Status of Translocated trees pertaining to OM dated 27.12.2022****Total No of translocation tree – 17 No's****Location: KV School Ground****June 1<sup>st</sup> 2024**


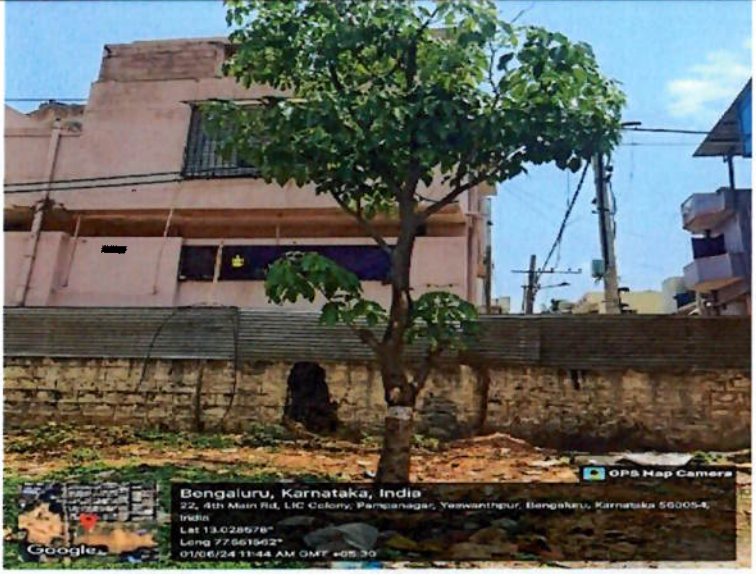

S No	Tree No	Species	Condition of Tree (Healthy / New Sprouts / Any other)
1.	385	Mahagani	Healthy
2.	386	Tabebuia rosea	Healthy
3.	399	Mahagani	Healthy
4.	403	Mahagani	Healthy
5.	407	Mahagani	Healthy
6.	408	Honge	<i>Dried</i>
7.	409	Mahagani	<i>Dried</i>
8.	414	Mahagani	Healthy
9.	417	Mahagani	Healthy
10.	418	Mahagani	New Sprouts were observed
11.	423	Tore Matti	Healthy
12.	424	Tabebuia Rosea	Healthy
13.	429	Tabebuia Rosea	Healthy
14.	430	Mahagani	<i>Dried</i>
15.	432	Mahagani	<i>Dried</i>
16.	433	Jamun	Healthy
17.	434	Jamun	<i>Dried</i>

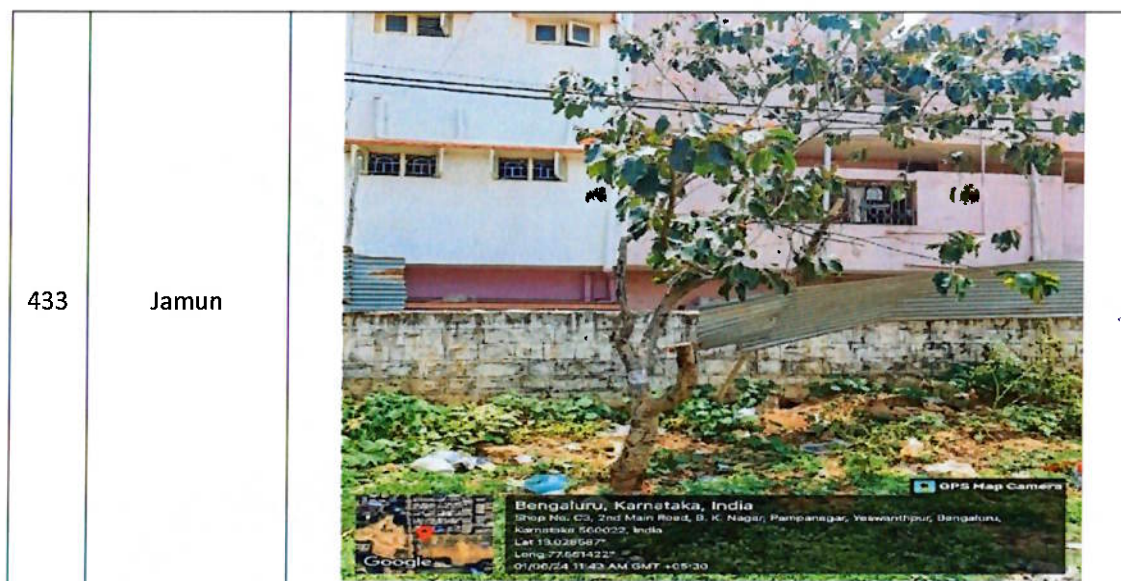
## C. Tree Photographs

Tree No	Species Name	Tree photograph
385	Mahagani	
386	Tabebuia rosea	

399	Mahagani	
403	Mahagani	
407	Mahagani	

414	Mahagani	 <p>Bengaluru, Karnataka, India 337, LIC Colony, Pampanagar, Mathikere, Bengaluru, Karnataka 560054, India Lat 13.028500° Long 77.553011° 01/06/24 11:48 AM GMT +05:30</p>
417	Mahagani	 <p>Bengaluru, Karnataka, India 45, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031619° Long 77.544622° 01/06/24 11:42 AM GMT +05:30</p>
418	Mahagani	 <p>Bengaluru, Karnataka, India 23, 1st Cross Rd, LIC Colony, Pampanagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.028530° Long 77.551412° 01/06/24 11:43 AM GMT +05:30</p>

423	Tore Matti	 <p>Bengaluru, Karnataka, India 5th, 3rd Main Rd, LIC Colony, Pampalnagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.028589° Long 77.552524° 01/06/24 11:46 AM GMT +05:30</p>
424	Tabebuia Rosea	 <p>Bengaluru, Karnataka, India 22, 4th Main Rd, LIC Colony, Pampalnagar, Yeswanthpur, Bengaluru, Karnataka 560054, India Lat 13.028578° Long 77.551952° 01/06/24 11:44 AM GMT +05:30</p>
429	Tabebuia Rosea	 <p>Bengaluru, Karnataka, India 5th, 3rd Main Rd, LIC Colony, Pampalnagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.028531° Long 77.552537° 01/06/24 11:47 AM GMT +05:30</p>

**D. Conclusion:**June 1<sup>st</sup> 2024

SI No.	Condition as per OM	Recommendation as per the OM 1	Completed till date.	Balance	Remarks
1.	Tree translocation	58	17	41	12 No's Survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter March, April and May 2024 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

**Manjunath BK**  
Environmental Expert  
General Consultants - KRIDE



## **OM 2**

**Official Memorandum dated 24/02/2023**

Report on Implementation of Official Memorandum dated 24/02/2023 (from Baiyyapanahalli Railway station to Lottegollahalli Railway station) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).

Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2  
Location of the Project : Bengaluru  
OM issued date by the Tree Officer, : 24.02.2023  
BBMP  
Permission Date : 28.03.2023

**Details of the OM 2:**

Total number of Trees to be removed : 1234 no's Recommended  
Total Number of Trees Recommended : 123  
for the Retention on Site  
Total Number of Trees Recommended : 73  
for Translocation on Site.

Details of Compensatory Plantation : Done by BBMP

**Detail of Translocation:**

Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC  
Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur  
Total number of trees to be translocated : 73  
as per OM  
Translocation completed Month and : Only 11 No's Completed, 1<sup>st</sup> June 2024  
Year  
Total number of trees to be translocation : 62  
balance  
Total number of trees observed with : 7  
survival symptoms.  
Total number of trees not encounter with : 4  
any type of survival symptoms

<b>Procedure for agency selection by L &amp; T</b>	<b>:</b> Based on experience and credential review.
<b>TIIC</b>	
<b>Methodology adopted for the tree translocation &amp; Felling</b>	<b>:</b> Root Ball Method as per the UAS, GKVK, guideline 2020
<b>Supervision of translocation</b>	<b>:</b> KRIDE & GC
<b>Supervision by Forest Dept</b>	<b>BBMP Tree officer or Officer deputed by tree officer BBMP</b>

## **A. TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation:**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From May 2023, translocated 11 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 7 translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 04 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B . Status of Translocated trees pertaining to OM dated 24.02.2023.**



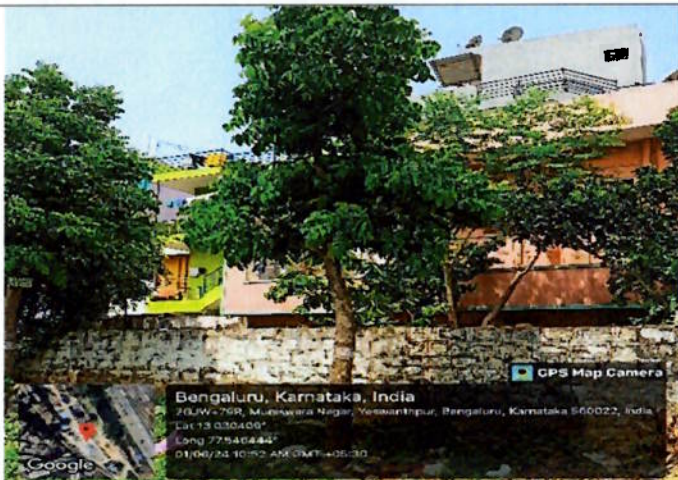
**Total No of translocation tree – 11 No's**

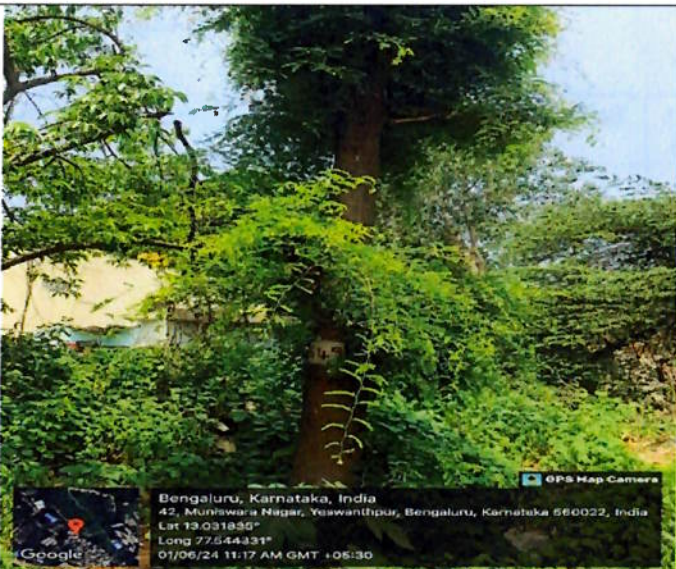

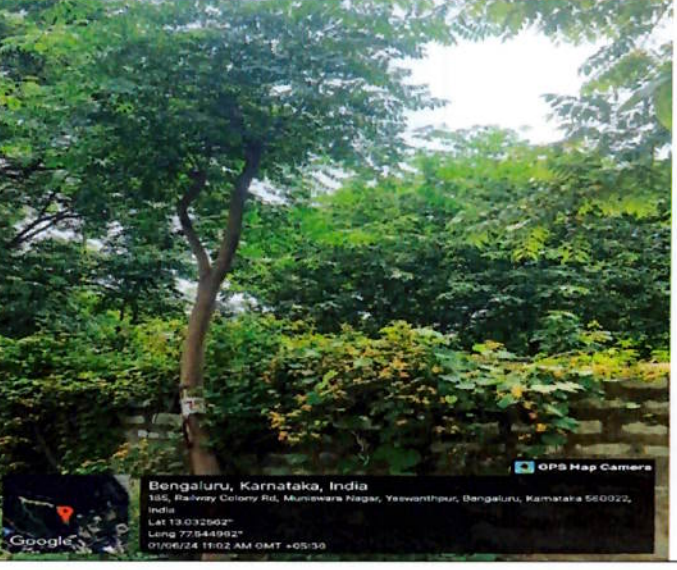
**Location:** Near Railway Quarters, opposite to treatment plant, Yeswanthpur

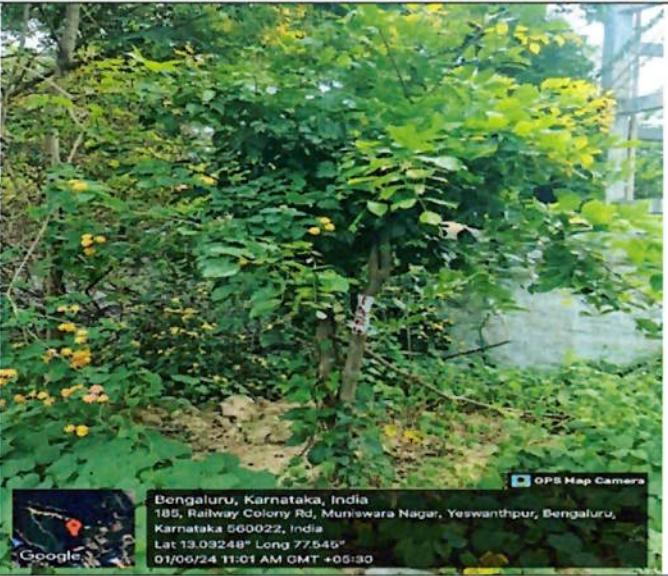
**June 1<sup>st</sup> 2024**

S No	Tree No	Species	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	11	Nerale	<i>Dried</i>
2.	21	Nerale	<i>Dried</i>
3.	36	Atthi	<i>Dried</i>
4.	208	Mahogany	Healthy
5.	212	Mahogany	Healthy
6.	206	Mahogany	<i>Dried</i>
7.	207	Tabebuia Rosia	Healthy
8.	649	Sihi hunase	Fresh leaves observed
9.	651	Sihi hunase	Fresh leaves observed
10.	755	Hebbevu	Fresh leaves observed
11.	1424	Honge	Fresh leaves observed

## C. Tree Photographs

Tree No	Species Name	Tree photograph
207	Tabebuia Rosia	 <p>Bengaluru, Karnataka, India 21, 1st Cross Rd, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat 13.03016° Long 77.548027° 01/09/24 10:46 AM GMT+05:30</p>
208	Mahogany	 <p>Bengaluru, Karnataka, India 20JW+76R, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat 13.030400° Long 77.548444° 01/09/24 10:52 AM GMT+05:30</p>
212	Mahogany	 <p>Bengaluru, Karnataka, India 20JW+76R, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat 13.030400° Long 77.548444° 01/09/24 10:52 AM GMT+05:30</p>

649	Sihi hunase	 <p>Bengaluru, Karnataka, India 42, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031835° Long 77.544331° 01/06/24 11:17 AM GMT +05:30</p>
651	Sihi hunase	 <p>Bengaluru, Karnataka, India 23, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.03144° Long 77.544746° 01/06/24 10:55 AM GMT +05:30</p>
755	Hebbevu	 <p>Bengaluru, Karnataka, India 185, Railway Colony Rd, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032562° Long 77.544992° 01/06/24 11:02 AM GMT +05:30</p>

1424	Honge	
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**D. Conclusion:**1<sup>st</sup> June 2024

SI No.	Condition as per OM 2	Recommendation as per the OM 2	Completed till	Balance	Remarks
1.	Tree translocation	73	11	62	7 No's Survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter March, April and May 2024 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.



**Manjunath BK**  
Environmental Expert  
General Consultants - KRIDE



## **OM 3**

**Official Memorandum dated 17/03/2023**

Quarterly report

4<sup>th</sup> Quarter

Report on Implementation of Official Memorandum dated 17/03/2023 (from Lottogollahalli Railway station to Chikkabanawara Station) by Rail Infrastructure Development Company Karnataka limited (K – RIDE)

Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2  
Location of the Project : Bengaluru  
OM issued date by the Tree Officer, : 17.03.2023  
BBMP  
Permission Date : 12.04.2023

Details of the OM dtd:

Total number of Trees needs to be : 596 No's Recommended  
removed  
Total Number of Trees Recommended : 135  
for the Retention on Site  
Total Number of Trees Recommended : 47  
for Translocation on Site.

Details of Compensatory Plantation : Done by BBMP

Detail of Translocation:

Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC  
Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur  
Total number of trees to be translocated : 47  
as per OM  
Translocation completed Month and : Only 33 No's Completed, 1<sup>st</sup> June 2024  
Year  
Total number of trees to be translocation : 14  
balance  
Total number of trees observed with : 19  
survival symptoms.  
Total number of trees not encounter with : 14  
any type of survival symptoms

Procedure for agency selection by L & T	: Based on experience and credential
TIIC	review.
Methodology adopted for the tree translocation & Felling	: Root Ball Method as per the UAS, GKVK, guideline 2020
Supervision of translocation	: KRIDE & GC
Supervision by Forest Dept	BBMP Tree officer or Officer deputed by tree officer BBMP

## A. TREE TRANSLOCATION

### A1. Competent Agency Selected for Translocation:

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From August 2023, translocated 33 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 19 no. of translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 14 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Trees Translocated pertaining to OM 3 dated 17/03/2023**

**Total No of translocation tree – 33 No's**

**Location:** Near Railway Quarters, Opposite treatment plant, Yeswanthpur

**1<sup>st</sup> June 2024**



SI No	Tree No	Species	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	237	Buruga	<i>Dried</i>
2.	241	Honge	<i>Fresh leaves were observed</i>
3.	242	Memosops elangi	<i>Dried</i>
4.	243	Tremma orientalis	<i>Dried</i>
5.	259	Honge	Healthy leaves were observed
6.	260	Honge	Fresh leaves were observed
7.	261	Honge	Fresh leaves were observed
8.	262	Honge	Healthy leaves were observed
9.	264	Honge	Healthy leaves were observed
10.	276	Basavanapadha	Healthy leaves were observed
11.	280	Tabebuia rosea	Healthy leaves were observed


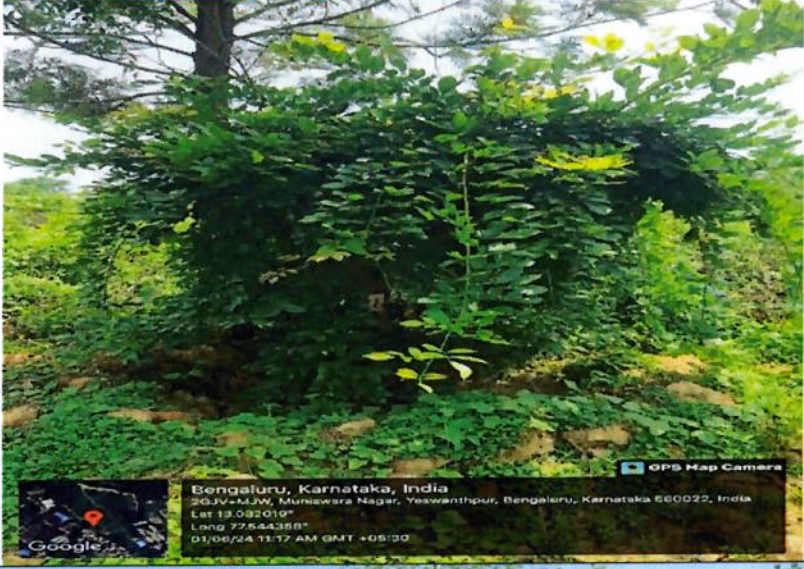
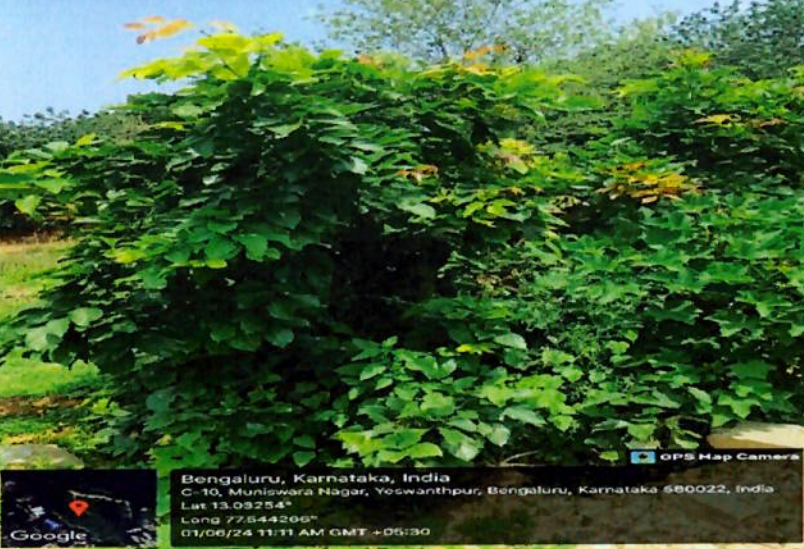
## Quarterly report

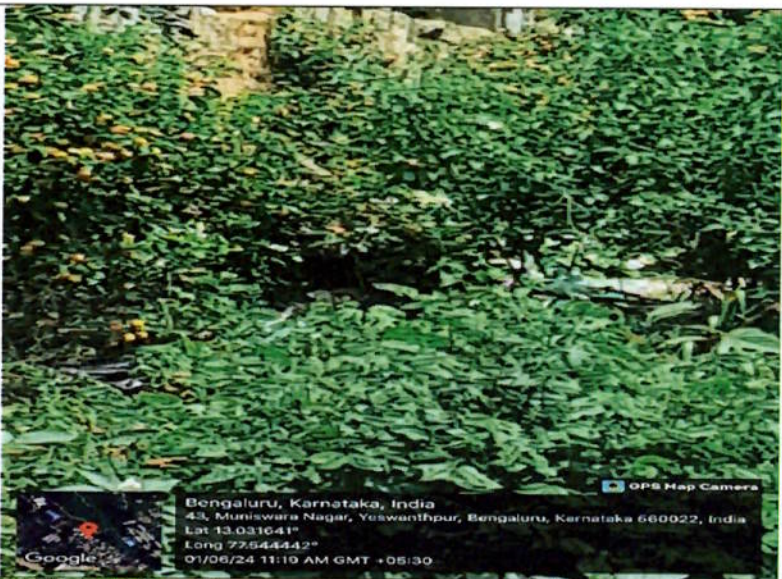
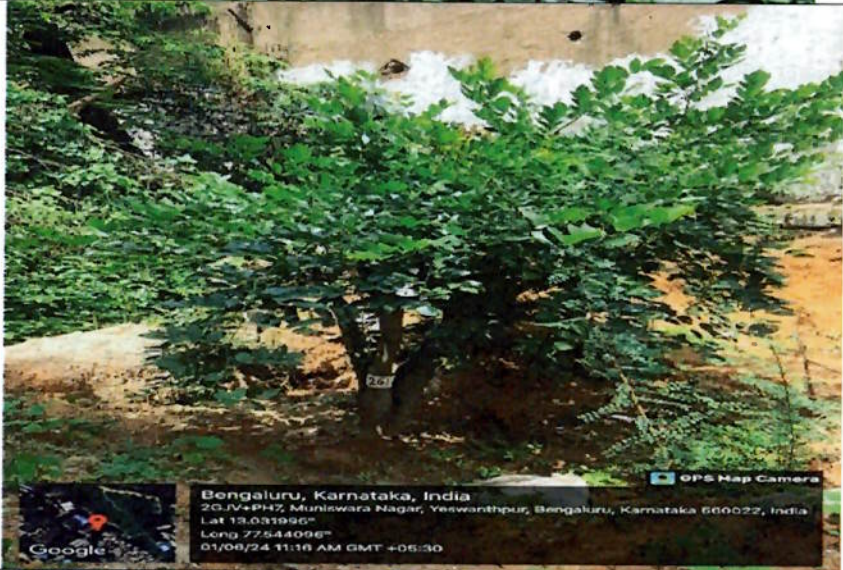

4<sup>th</sup> Quarter



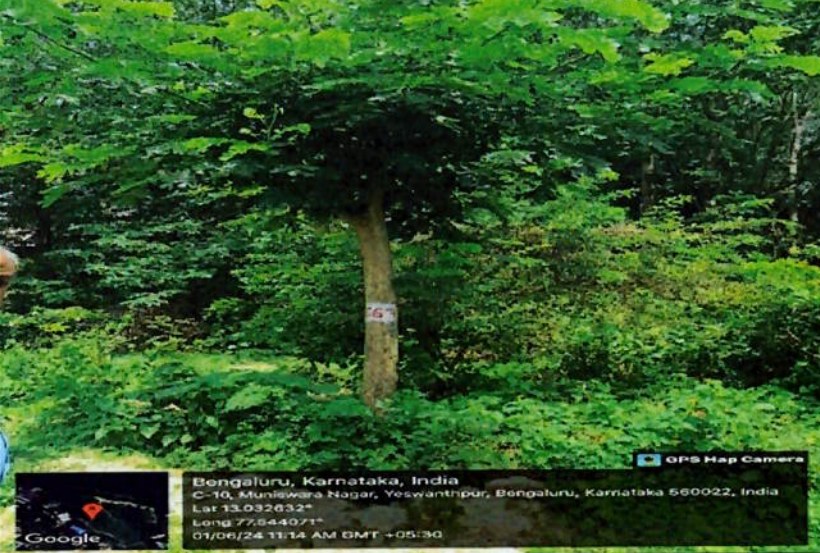
SI No	Tree No	Species	Condition of Tree ( Healthy / New Sprouts / Any other)
12.	344	Rain tree	<i>Dried</i>
13.	358	Tremma orientalis	<i>Dried</i>
14.	362	Atti	<i>Dried</i>
15.	586	Rain tree	Healthy leaves were observed
16.	598	Kakke	<i>Dried</i>
17.	599	Kakke	<i>Dried</i>
18.	616	Rain Tree	Healthy leaves were observed
19.	624	Rain Tree	Healthy leaves were observed
20.	625	Rain tree	Healthy leaves were observed
21.	650	Rain tree	Healthy leaves were observed
22.	653	Rain tree	Healthy leaves were observed
23.	654	Rain tree	<i>Dried</i>
24.	667	Rain tree	Healthy leaves were observed
25.	701	Atti	Healthy leaves were observed
26.	702	Halasu	<i>Dried</i>
27.	768	Kaadu badami	<i>Dried</i>
28.	867/1	Sandal	<i>Dried</i>
29.	873	Sisso	Healthy leaves were observed
30.	964	Benamina	<i>Dried</i>
31.	969	Benamina	leaves were observed
32.	971	Kaadu badami	leaves were observed
33.	972	Benamina	<i>Dried</i>

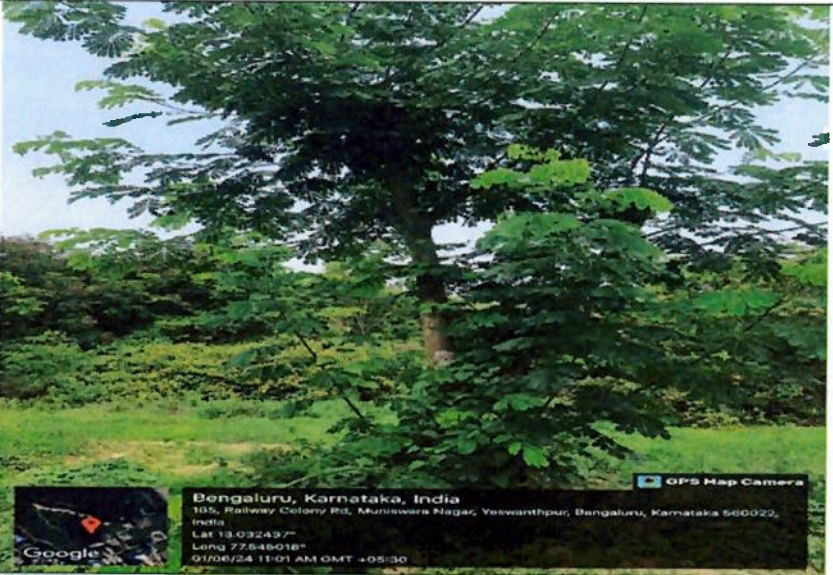


## C. Tree Photographs


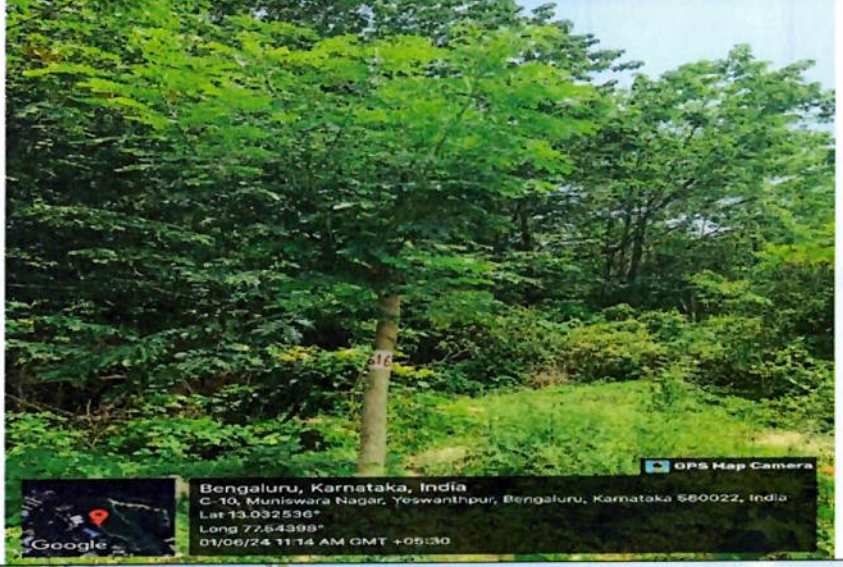

Tree No	Species Name	Tree photograph
241	Honge	
259	Honge	

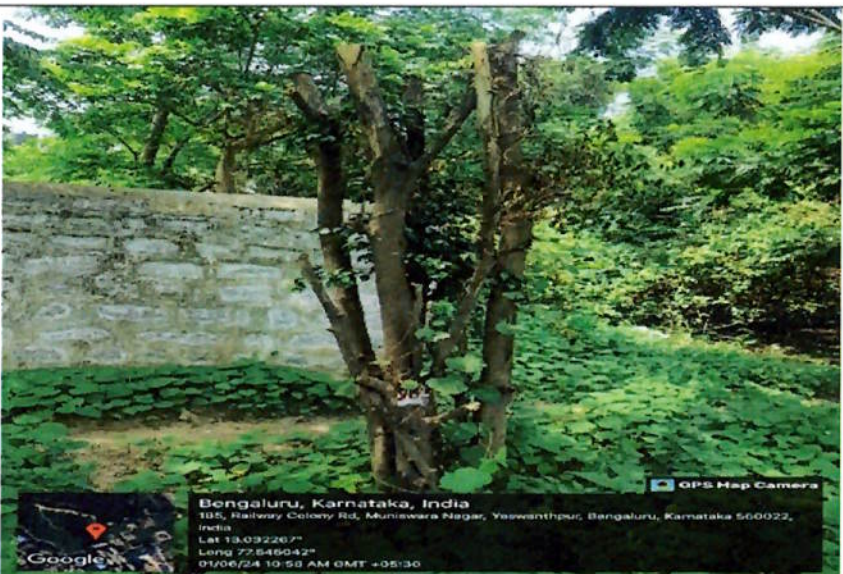

262	Honge	
264	Honge	
276	Basavanapadha	

260	Honge	 <p>Bengaluru, Karnataka, India 43, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031041° Long 77.544442° 01/06/24 11:10 AM GMT +05:30</p>
261	Honge	 <p>Bengaluru, Karnataka, India 20 JV+PH7, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031995° Long 77.544096° 01/06/24 11:16 AM GMT +05:30</p>
280	Tabebuia rosea	 <p>Bengaluru, Karnataka, India 753, Coraguntapalya, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.029893° Long 77.545684° 01/06/24 11:12 AM GMT +05:30</p>

650	Rain tree	 <p>A large, mature rain tree with a thick trunk and dense green foliage. A small white tag with the number '650' is attached to the trunk. The background shows a grassy area and some buildings.</p> <p>Google</p> <p>Bengaluru, Karnataka, India 23, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031434° Long 77.544747° 01/06/24 10:54 AM GMT +05:30</p> <p>GPS Map Camera</p>
653	Rain tree	 <p>A rain tree with a thick trunk and dense green foliage. A small white tag with the number '653' is attached to the trunk. The background shows a grassy area and some buildings.</p> <p>Google</p> <p>Bengaluru, Karnataka, India 23, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031603° Long 77.544872° 01/06/24 10:56 AM GMT +05:30</p> <p>GPS Map Camera</p>
667	Rain tree	 <p>A rain tree with a thick trunk and dense green foliage. A small white tag with the number '667' is attached to the trunk. The background shows a grassy area and some buildings.</p> <p>Google</p> <p>Bengaluru, Karnataka, India C-10, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032632° Long 77.544071° 01/06/24 11:14 AM GMT +05:30</p> <p>GPS Map Camera</p>

586	Rain tree	 <p>A photograph of a large, mature rain tree with a thick trunk and a dense, rounded canopy of green leaves. The tree stands in a grassy field with other greenery in the background. A small white tag is visible on the trunk. The image includes a Google Maps inset and a data overlay.</p> <p>Bengaluru, Karnataka, India 105, Railway Colony Rd, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032437° Long 77.5446018° 01/06/24 11:01 AM GMT +05:30</p>
624	Rain tree	 <p>A photograph of a rain tree with a thick trunk and a dense canopy of green leaves. The tree is positioned in front of a wall made of irregular stones. A small white tag is visible on the trunk. The image includes a Google Maps inset and a data overlay.</p> <p>Bengaluru, Karnataka, India C-10, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032935° Long 77.544362° 01/06/24 11:08 AM GMT +05:30</p>
625	Rain tree	 <p>A photograph of a rain tree with a thick trunk and a dense canopy of green leaves. The tree is positioned in front of a wall made of irregular stones. A small white tag is visible on the trunk. The image includes a Google Maps inset and a data overlay.</p> <p>Bengaluru, Karnataka, India C-7, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032969° Long 77.544348° 01/06/24 11:09 AM GMT +05:30</p>

701	Atti	 <p>Bengaluru, Karnataka, India C-7, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.033092° Long 77.544019° 01/06/24 11:10 AM GMT +05:30</p>
616	Rain Tree	 <p>Bengaluru, Karnataka, India C-10, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.032536° Long 77.54388° 01/06/24 11:14 AM GMT +05:30</p>
873	Sisso	 <p>Bengaluru, Karnataka, India 7B, Yeswanthpur Industrial Area, Phase 1, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.029347° Long 77.543772° 01/06/24 11:08 AM GMT +05:30</p>

969	Benjamina	
971	Kaadu badami	

**D. Conclusion:****1<sup>st</sup> June 2024**

SI No.	Condition as per OM	Recommendation as per the OM	Completed till date	Balance	Remarks
1.	Tree translocation	47	33	14	19 No's Survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter

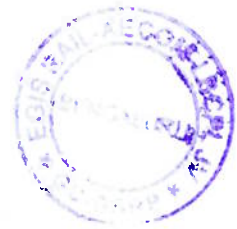
**Quarterly report**

**4<sup>th</sup> Quarter**

March, April and May 2024 are hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.



**Manjunath BK**  
**Environmental Expert**  
**General Consultants - KRIDE**







## **OM 1**

**Official Memorandum dated 27/12/2022**

**Quarterly report**

**3<sup>rd</sup> Quarter**

**Report on Implementation of Official Memorandum dated 27/12/2022 (Baiyyapanahalli to Chikkabanawara) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 27.12.2022**  
**BBMP**  
**Permission Date : 06.02.2023**

**Details of the OM dtd:**

**Total number of Trees to be removed : 268 Nos. recommended.**

**Total Number of Trees Recommended : 315**  
**for the Retention on Site**

**Total Number of Trees Recommended : 58**  
**for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation:**

**Agency entrusted for tree translocation : TMRH Plantations**  
**by L & T TILC**

**Location of Receptor Site : Kendriya Vidyalaya, Ground, Yeshwantpur**

**Total number of trees to be translocated : 58**  
**as per OM**

**Translocation completed Month and : 17 No's, April 2023**  
**Year**

**Total number of trees to be translocation : 41**  
**balance**

**Total number of trees observed with : 13**  
**survival symptoms.**

**Total number of trees not encounter with : 4**  
**any type of survival symptoms**

Procedure for agency selection by L & T	: Based on experience and credential
TIIC	review
Methodology adopted for the tree translocation & Felling	: Root Ball Method as per the UAS, GKVK, guideline 2020
Supervision of translocation	: KRIDE & GC
Supervision by Forest Dept	BBMP Tree officer or Officer deputed by tree officer BBMP

## A. TREE TRANSLOCATION

### A1. Competent Agency Selected for Translocation:

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 17 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 13 translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 04 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Translocated trees pertaining to OM dated 27.12.2022**

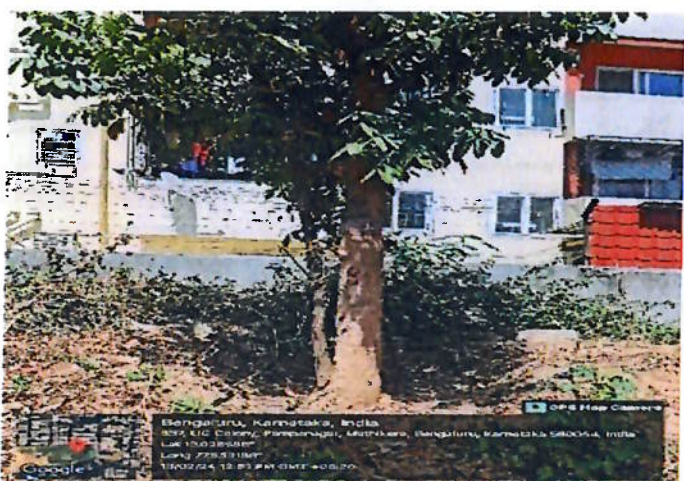


**Total No of translocation tree – 17 No's**



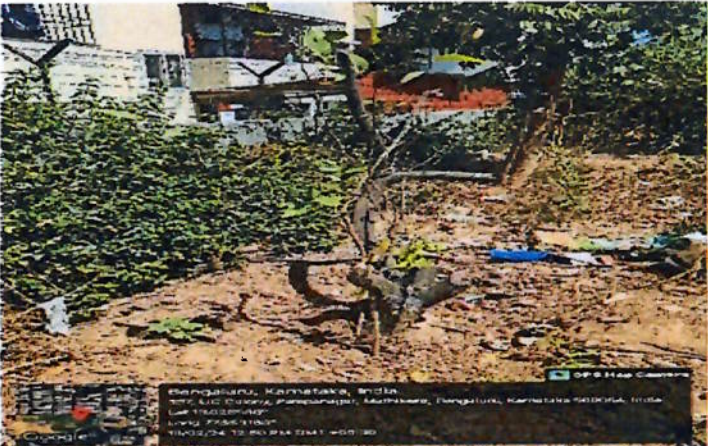
SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	385	Mahagani	KV school ground	Healthy
2.	386	Tabebuia rosea	KV school ground	Healthy
3.	399	Mahagani	KV school ground	Healthy
4.	403	Mahagani	KV school ground	Healthy
5.	407	Mahagani	KV school ground	Healthy
6.	408	Honge	KV school ground	Dried and new sapling of same species has been done.
7.	409	Mahagani	KV school ground	Dried and new sapling of same species has been done.
8.	414	Mahagani	KV school ground	Healthy
9.	417	Mahagani	KV school ground	Healthy
10.	418	Mahagani	KV school ground	Healthy
11.	423	Tore Matti	KV school ground	Healthy
12.	424	Tabebuia Rosea	KV school ground	Healthy


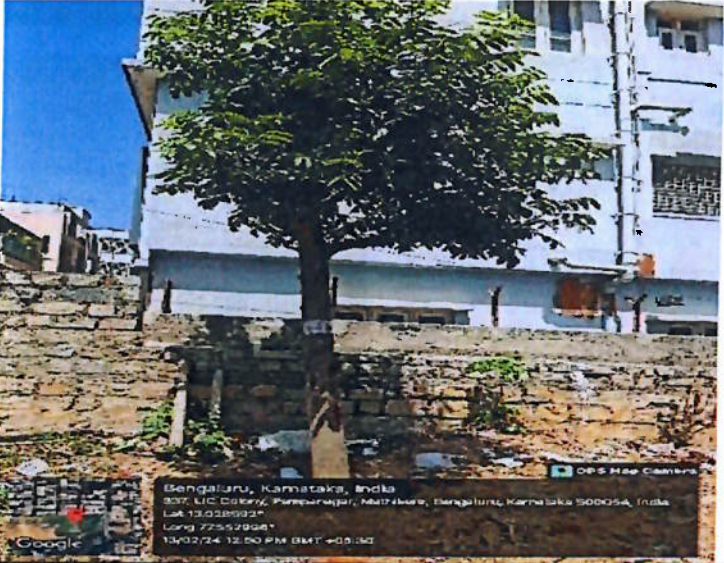
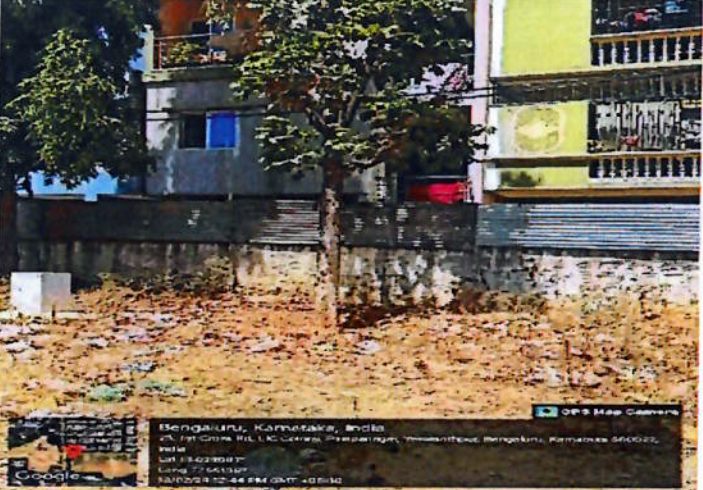
**Quarterly report****3<sup>rd</sup> Quarter**

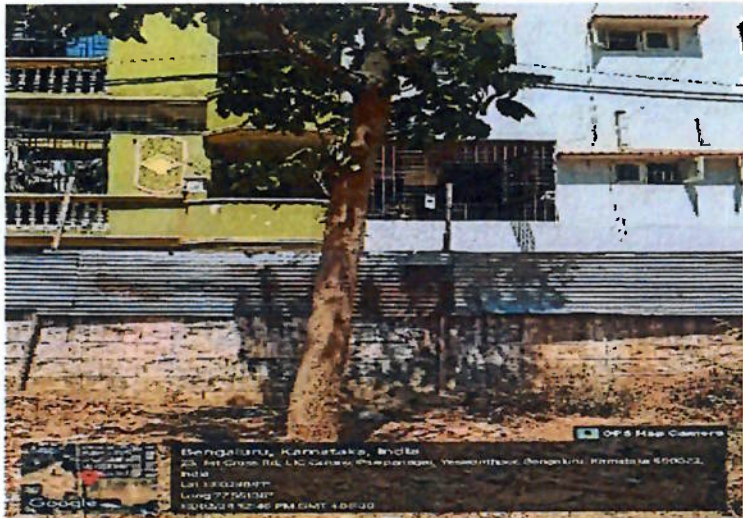
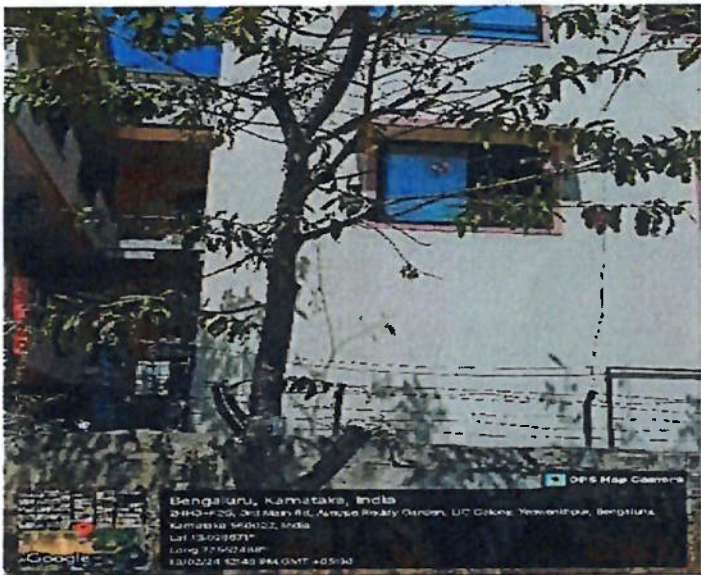
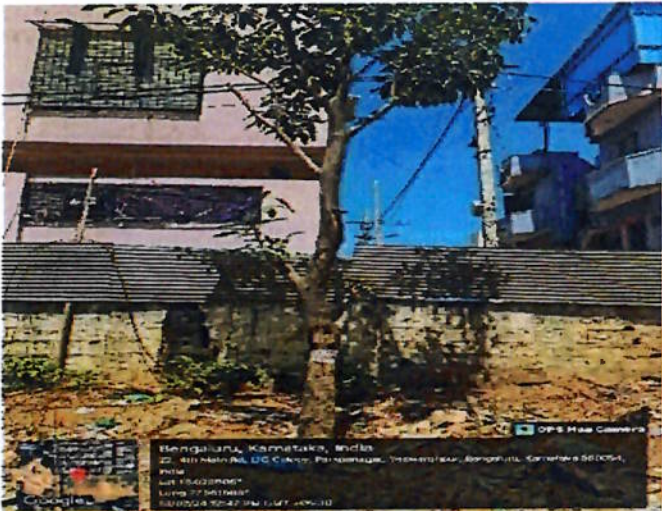
<b>Sl No</b>	<b>Tree No</b>	<b>Species</b>	<b>Location</b>	<b>Condition of Tree ( Healthy / New Sprouts / Any other)</b>
<b>13.</b>	429	Tabebuia Rosea	KV school ground	Healthy
<b>14.</b>	430	Mahagani	KV school ground	Dried
<b>15.</b>	432	Mahagani	KV school ground	Dried and new sapling of same species has been done.
<b>16.</b>	433	Jamun	KV school ground	Healthy
<b>17.</b>	434	Jamun	KV school ground	Healthy, fresh sprouts were observed.

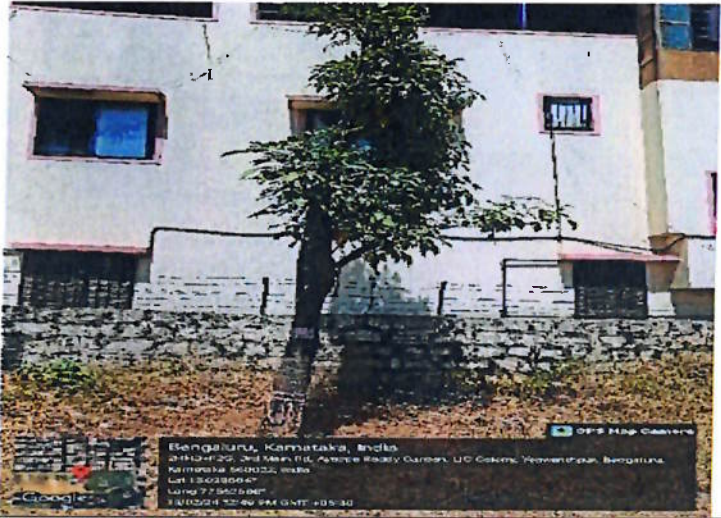


## C. Tree Photographs

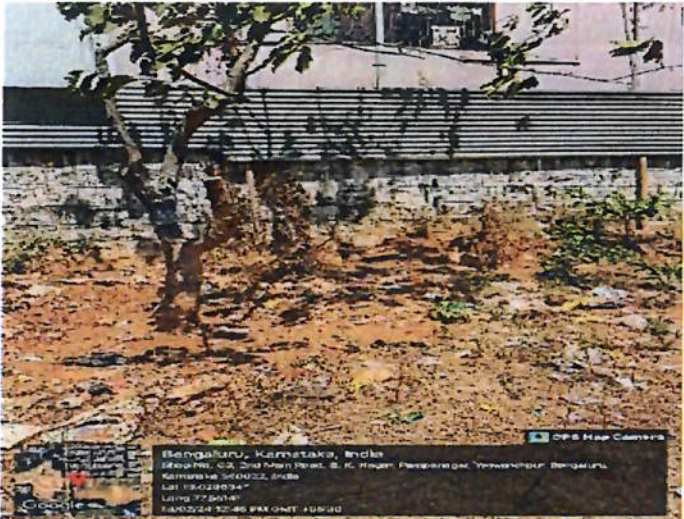

Tree No.	Species Name	Photograph
385	Mahagani	 <p>Bengaluru, Karnataka, India 854 KIC Colony, Pimpasagar, Marthahalli, Bengaluru, Karnataka 560034, India Lat: 13.028500° Long: 77.553140° 13.0285 77.5531 GMT +05:30</p>
386	Tabebuia rosea	 <p>Bengaluru, Karnataka, India 854 KIC Colony, Pimpasagar, Marthahalli, Bengaluru, Karnataka 560034, India Lat: 13.028500° Long: 77.553140° 13.0285 77.5531 GMT +05:30</p>
399	Mahagani	 <p>Bengaluru, Karnataka, India 854 KIC Colony, Pimpasagar, Marthahalli, Bengaluru, Karnataka 560034, India Lat: 13.028500° Long: 77.553140° 13.0285 77.5531 GMT +05:30</p>

403	Mahagani	 <p>Bengaluru, Karnataka, India 33° 41' 00" N, 75° 53' 13" E Lat: 13.02899° Long: 77.88750° 13/03/24 12:50 PM GMT +05:30</p>
407	Mahagani	 <p>Bengaluru, Karnataka, India 33° 41' 00" N, 75° 53' 13" E Lat: 13.02899° Long: 77.88750° 13/03/24 12:50 PM GMT +05:30</p>
408	Honge	 <p>Bengaluru, Karnataka, India 33° 41' 00" N, 75° 53' 13" E Lat: 13.02899° Long: 77.88750° 13/03/24 12:50 PM GMT +05:30</p>

409	Mahagani	 <p>Bengaluru, Karnataka, India 307, LIC Colony, Mahaganagar, Malleshwara, Bengaluru, Karnataka 560054, India Lat 13.03893° Long 77.55296° 13/02/24 13:43 PM GMT +05:30</p>
414	Mahagani	 <p>Bengaluru, Karnataka, India 307, LIC Colony, Mahaganagar, Malleshwara, Bengaluru, Karnataka 560054, India Lat 13.03893° Long 77.55296° 13/02/24 12:50 PM GMT +05:30</p>
417	Mahagani	 <p>Bengaluru, Karnataka, India 307, LIC Colony, Mahaganagar, Malleshwara, Bengaluru, Karnataka 560054, India Lat 13.03893° Long 77.55296° 13/02/24 12:46 PM GMT +05:30</p>

418	Mahagani	 <p>Bengaluru, Karnataka, India 20, 1st Cross Rd, LIC Colony, Bengaluru, Karnataka 560022, India Lat: 13.028877 Long: 77.561347 13/02/2018 12:40 PM GMT +05:30</p>
423	Tore Matti	 <p>Bengaluru, Karnataka, India 20, 1st Cross Rd, LIC Colony, Bengaluru, Karnataka 560022, India Lat: 13.028877 Long: 77.561347 13/02/2018 12:40 PM GMT +05:30</p>
424	Tabebuia Rosea	 <p>Bengaluru, Karnataka, India 20, 1st Cross Rd, LIC Colony, Bengaluru, Karnataka 560022, India Lat: 13.028877 Long: 77.561347 13/02/2018 12:40 PM GMT +05:30</p>

429	Tabebuia Rosea	 <p>Bengaluru, Karnataka, India 3rd Main Rd, Avenue Roady, Outer, UO Colony, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat: 13.038064° Long: 77.595598° 13/03/24 12:49 PM GMT+05:30</p>
430	Mahagani	 <p>Bengaluru, Karnataka, India Shree Nil, G.R. 2nd Main Road, B. K. Nagar, Pampalagudi, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat: 13.028569° Long: 77.591497° 13/03/24 12:45 PM GMT+05:30</p>
432	Mahagani	 <p>Bengaluru, Karnataka, India Shree Nil, G.R. 2nd Main Road, B. K. Nagar, Pampalagudi, Yeshwanthpur, Bengaluru, Karnataka 560022, India Lat: 13.028569° Long: 77.591497° 13/03/24 12:45 PM GMT+05:30</p>

433	Jamun	
434	Jamun	

## D. Conclusion:

S No.	Condition as per OM	Recommendation as per the OM 1	Completed till date.	Balance	Remarks
1.	Tree translocation	58	17	41	13 Nos survived

**Quarterly report****3<sup>rd</sup> Quarter**

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter Nov 2023, Dec 2023 and Jan 2024 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.



**Manjunath BK**  
**Environmental Expert**  
**General Consultants - KRIDE**



## **OM 2**

**Official Memorandum dated 24/02/2023**

Report on Implementation of Official Memorandum dated 24/02/2023 (from Baiyyapanahalli Railway station to Lottogollahalli Railway station) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).

Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2  
Location of the Project : Bengaluru  
OM issued date by the Tree Officer, : 24.02.2023  
BBMP  
Permission Date : 28.03.2023

**Details of the OM 2:**

Total number of Trees to be removed : 1234 no's Recommended  
Total Number of Trees Recommended : 123  
for the Retention on Site  
Total Number of Trees Recommended : 73  
for Translocation on Site.

Details of Compensatory Plantation : Done by BBMP

**Detail of Translocation:**

Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC  
Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur  
Total number of trees to be translocated : 73  
as per OM  
Translocation completed Month and : 07 No's Completed, May 2023  
Year  
Total number of trees to be translocation : 66  
balance  
Total number of trees observed with : 07  
survival symptoms.  
Total number of trees not encounter with : 0  
any type of survival symptoms  
Procedure for agency selection by L & T : Based on experience and credential  
TIIC review

## Quarterly report

3<sup>rd</sup> Quarter

<b>Methodology adopted for the tree translocation &amp; Felling</b>	: Root Ball Method as per the UAS, GKVK, guideline 2020
<b>Supervision of translocation</b>	: KRIDE & GC
<b>Supervision by Forest Dept</b>	<b>BBMP Tree officer or Officer deputed by tree officer BBMP</b>

### A. TREE TRANSLOCATION

#### A1. Competent Agency Selected for Translocation:

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

#### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 07 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate.

#### A.3 Maintenance of Transplanted trees:

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at University of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly




**Application of Fertilizers:** Not Applied



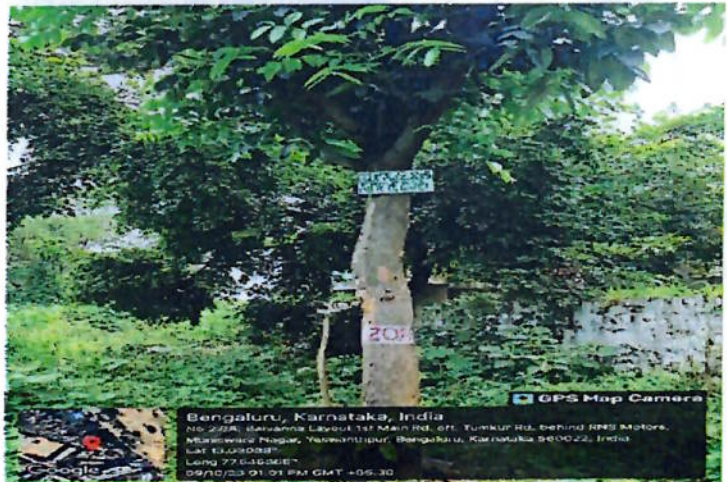
**B . Status of Translocated trees pertaining to OM dated 24.02.2023.**

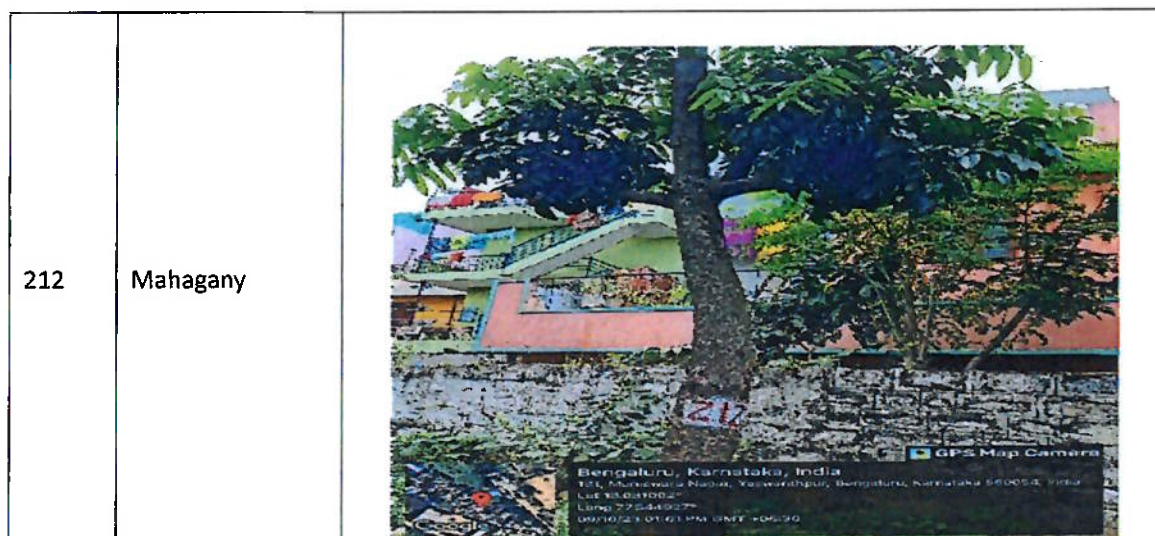
**Total No of translocation tree – 07 No's      Date: 9-10-2023**

SI No	Tree No	Species	Location	Condition of Tree (Healthy / New Sprouts / Any other)
1.	11	Nerale	Near Railway quarters Yeshwanthpur	Dried
2.	21	Nerale	Near Railway quarters Yeshwanthpur	Dried
3.	36	Atthi	Near Railway quarters Yeshwanthpur	Dried
4.	208	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
5.	212	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
6.	206	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
7.	207	Tabebuia Rosia	Near Railway quarters Yeshwanthpur	Healthy

## C. Tree Photographs

Tree No.	Species Name	Photograph
11	Nerale	 <p>Bengaluru, Karnataka, India 101, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031092° Long 77.544927° 09/10/23 01:02 PM GMT +05:30</p>
21	Nerale	 <p>Bengaluru, Karnataka, India 101, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031152° Long 77.544859° 09/10/23 01:02 PM GMT +05:30</p>
36	Atthi	 <p>Bengaluru, Karnataka, India 101, Muniswara Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031152° Long 77.544859° 09/10/23 01:02 PM GMT +05:30</p>

206	Mahagany	
207	Tabebuia Rosia	
208	Mahagany	

**B. Conclusion:**

S No.	Condition as per OM 2	Recommendation as per the OM 2	Completed till (11 <sup>th</sup> June 2023)	Balance	Remarks
1.	Tree translocation	73	07	66	04 Nos survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter Nov 2023, Dec 2023 and Jan 2024 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

**Manjunath BK**  
Environmental Expert  
General Consultants - KRIDE



**Quarterly report**

**3<sup>rd</sup> Quarter**

**OM 3**

**Official Memorandum dated 17/03/2023**

**Quarterly report**

**3<sup>rd</sup> Quarter**

**Report on Implementation of Official Memorandum dated 17/03/2023 (from Lottegollahalli Railway station to Chikkabanawara Railway station) by Rail Infrastructure Development Company Karnataka limited (K – RIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 17.03.2023**  
**BBMP**  
**Permission Date : 12.04.2023**

**Details of the OM dtd:**

**Total number of Trees needs to be : 596 No's Recommended  
removed**  
**Total Number of Trees Recommended : 135  
for the Retention on Site**  
**Total Number of Trees Recommended : 47  
for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation:**

**Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC**  
**Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur**  
**Total number of trees to be translocated : 47  
as per OM**  
**Translocation completed Month and : 33 No's Completed, October, 2023  
Year**  
**Total number of trees to be translocation : 14  
balance**  
**Total number of trees observed with : Under Observation  
survival symptoms.**  
**Total number of trees not encounter with : Under Observation  
any type of survival symptoms**

Procedure for agency selection by L & T	: Based on experience and credential
TIIC	review
Methodology adopted for the tree translocation & Felling	: Root Ball Method as per the UAS, GKVK, guideline 2020
Supervision of translocation	: KRIDE & GC
Supervision by Forest Dept	BBMP Tree officer or Officer deputed by tree officer BBMP

## **A.TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation:**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From August 2023, translocated 33 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 19 no. of translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 14 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at University of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**C. Status of Trees Translocated pertaining to OM 3 dated 17/03/2023**

**Total No of translocation tree – 33 No's      Date: 9-10-2023**

Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	237	Bruga	Near Railway quarters Yeshwanthpur	No Sprouts were observed
2.	241	Honge	Near Railway quarters Yeshwanthpur	No Sprouts were observed
3.	242	Memosops elangi	Near Railway quarters Yeshwanthpur	No Sprouts were observed
4.	243	Tremma Orientalis	Near Railway quarters Yeshwanthpur	No Sprouts were observed
5.	259	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
6.	260	Honge	Near Railway quarters Yeshwanthpur	No Sprouts were observed
7.	261	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
8.	262	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed

## Quarterly report

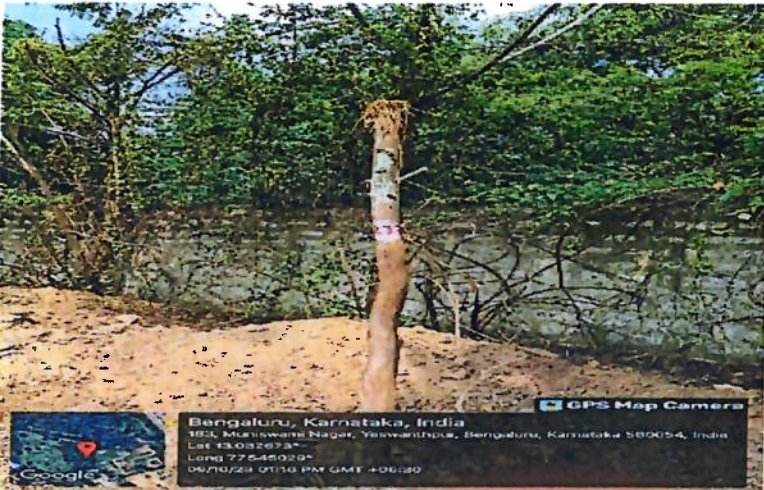


3<sup>rd</sup> Quarter

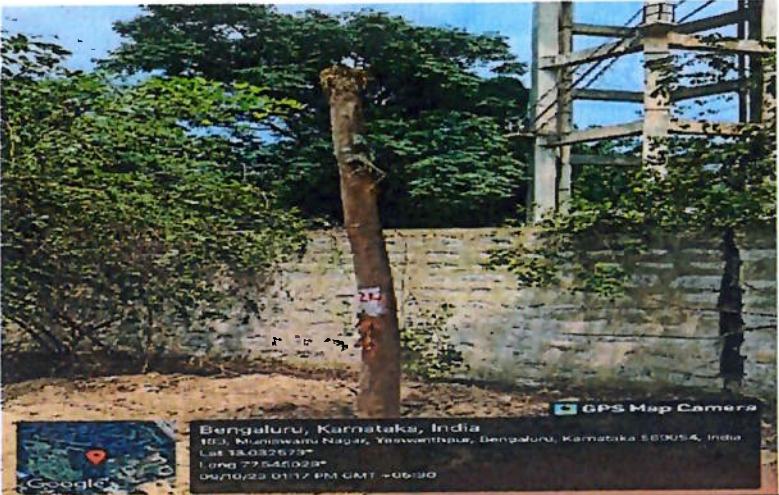
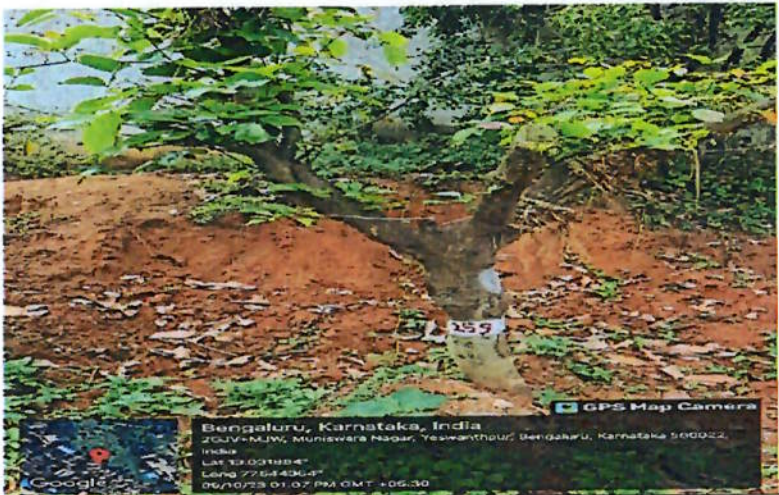

SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
9.	264	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
10.	276	Basavanapadha	Near Railway quarters Yeshwanthpur	Sprouts were observed
11.	280	Tabebuia rosea	Near Railway quarters Yeshwanthpur	No Sprouts were observed
12.	344	Rain Tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
13.	358	Tremma Orientalis	Near Railway quarters Yeshwanthpur	Sprouts were observed
14.	362	Atti	Near Railway quarters Yeshwanthpur	No Sprouts were observed
15.	586	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
16.	598	Kakke	Near Railway quarters Yeshwanthpur	No Sprouts were observed
17.	599	Kakke	Near Railway quarters Yeshwanthpur	No Sprouts were observed
18.	616	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
19.	624	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
20.	625	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
21.	650	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
22.	653	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
23.	654	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
24.	667	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
25.	701	Atti	Near Railway quarters Yeshwanthpur	No Sprouts were observed

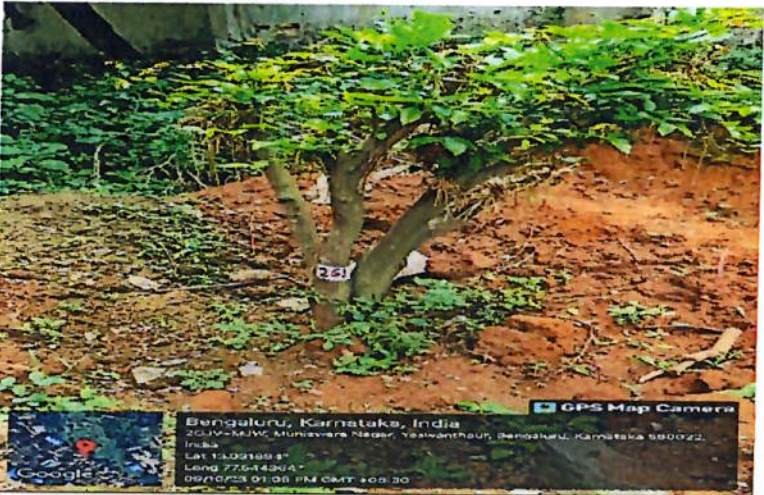


## Quarterly report




3<sup>rd</sup> Quarter

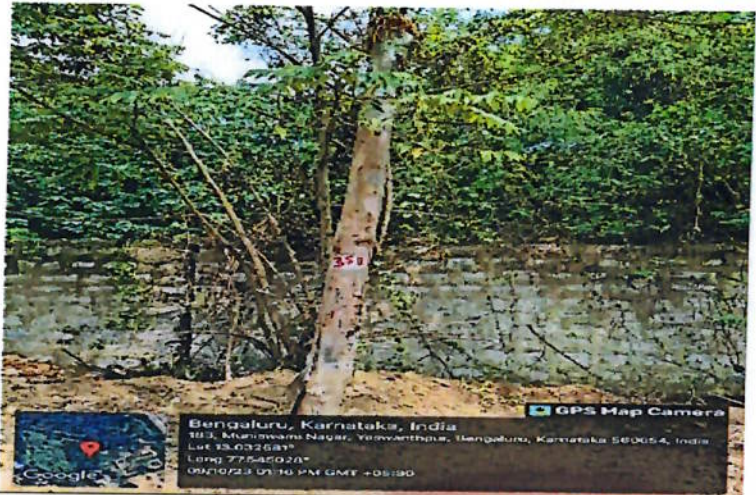
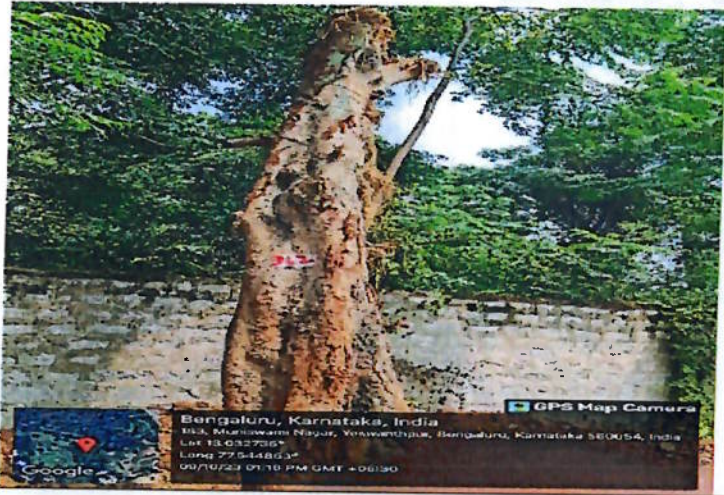
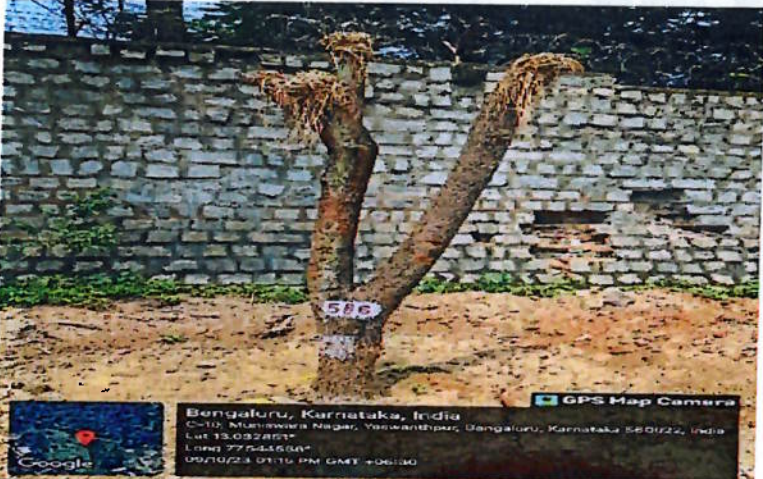
SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
26.	702	Halasu	Near Railway quarters Yeshwanthpur	No Sprouts were observed
27.	768	Kaadu Badami	Near Railway quarters Yeshwanthpur	No Sprouts were observed
28.	867 / 1	Sandal	Near Railway quarters Yeshwanthpur	No Sprouts were observed
29.	873	Sisso	Near Railway quarters Yeshwanthpur	No Sprouts were observed
30.	964	Benjamina	Near Railway quarters Yeshwanthpur	No Sprouts were observed
31.	969	Benjamina	Near Railway quarters Yeshwanthpur	No Sprouts were observed
32.	971	Kaadu Badami	Near Railway quarters Yeshwanthpur	No Sprouts were observed
33.	972	Benjamina	Near Railway quarters Yeshwanthpur	Sprouts were observed


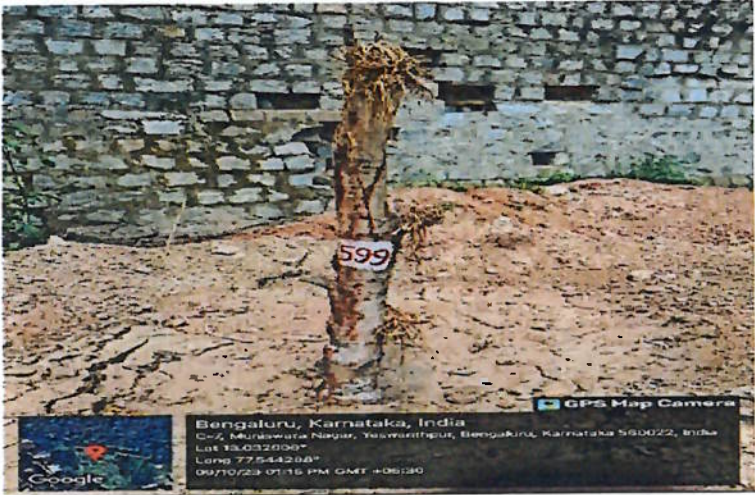

Tree No.	Species Name	Photograph
237	Buruga	 <p>Bengaluru, Karnataka, India  20JY+GJ5, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India  Lat 13.032673°  Long 77.545029°  09/10/23 01:10 PM GMT +05:30</p>
241	Honge	 <p>Bengaluru, Karnataka, India  20JY+GJ5, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India  Lat 13.032673°  Long 77.545029°  09/10/23 01:05 PM GMT +05:30</p>
242	Memosops elangi	 <p>Bengaluru, Karnataka, India  20JY+GJ5, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India  Lat 13.032673°  Long 77.545029°  09/10/23 01:05 PM GMT +05:30</p>

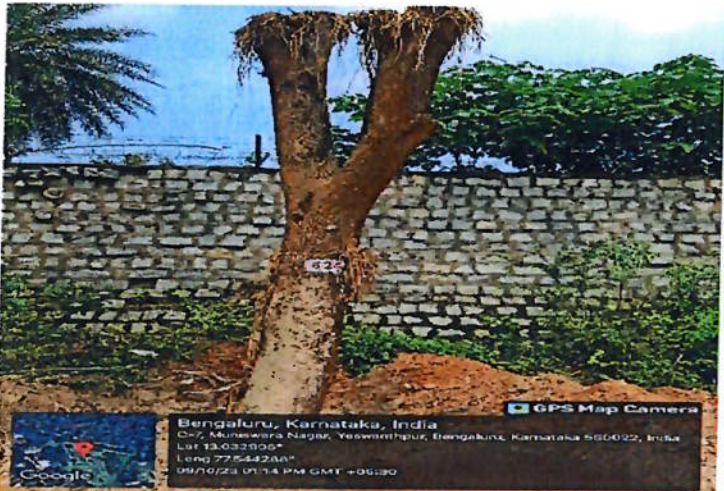


243	Tremma orientalis	
259	Honge	
260	Honge	

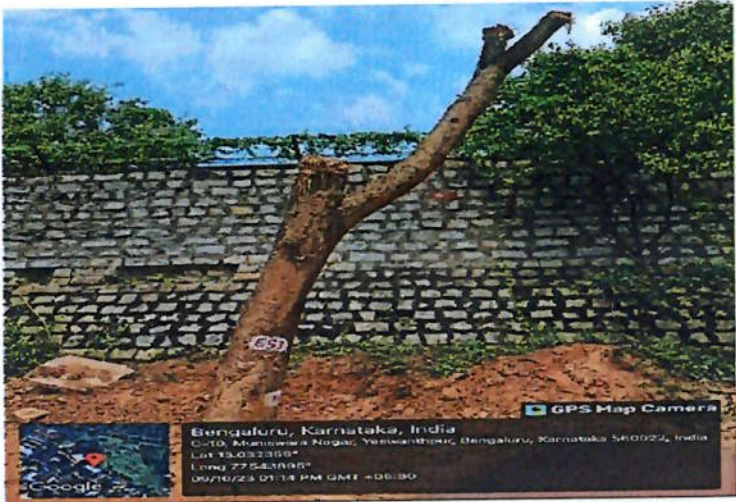

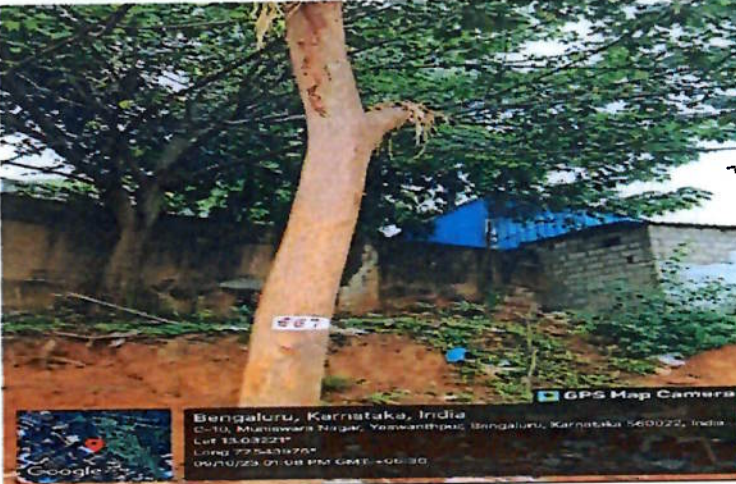
261	Honge	
262	Honge	
264	Honge	

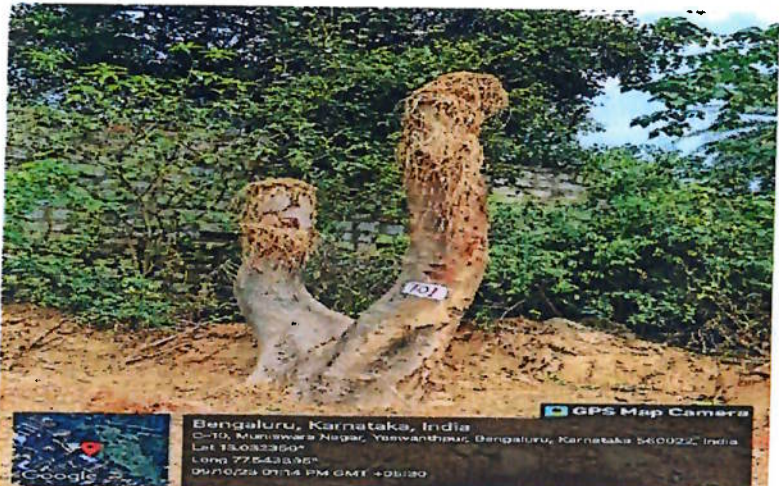
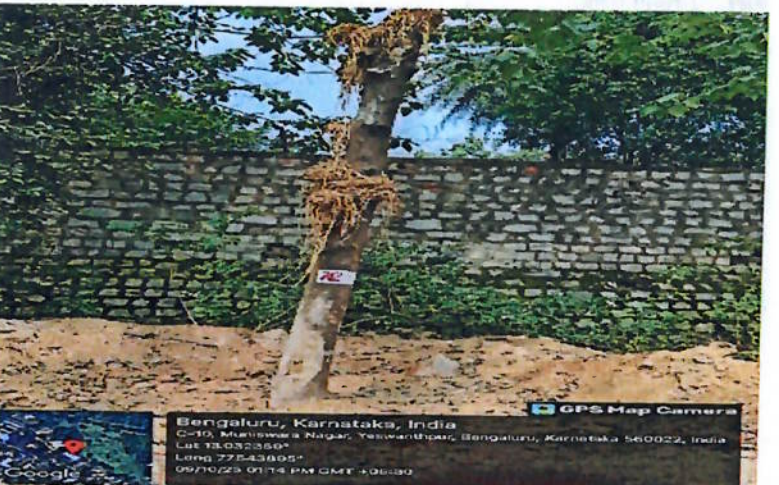
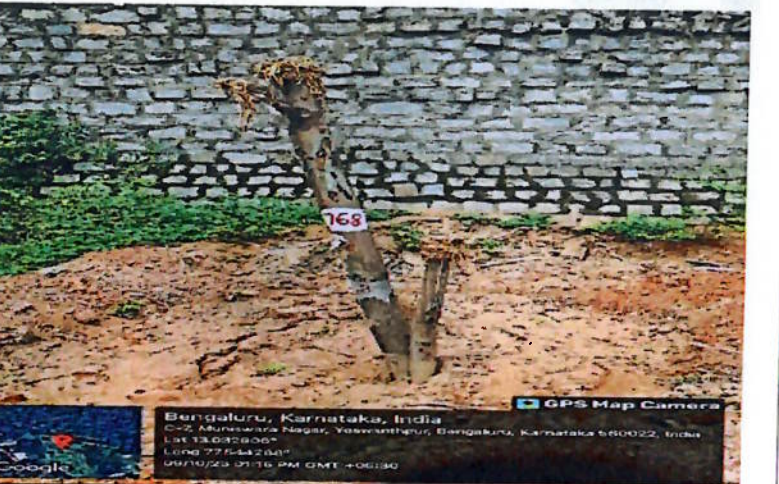
276	Basavanapadha	
280	Tabebuia rosea	
344	Rain tree	

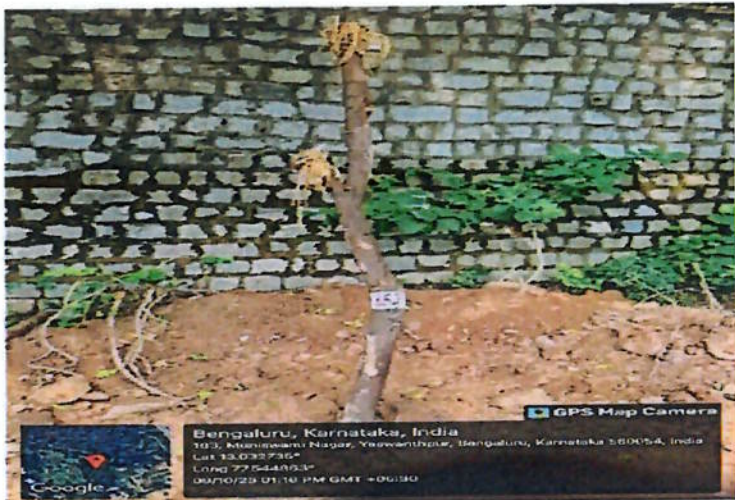
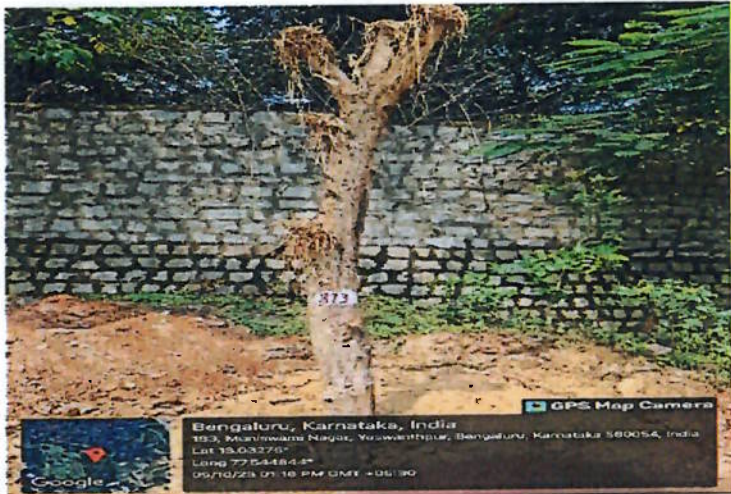
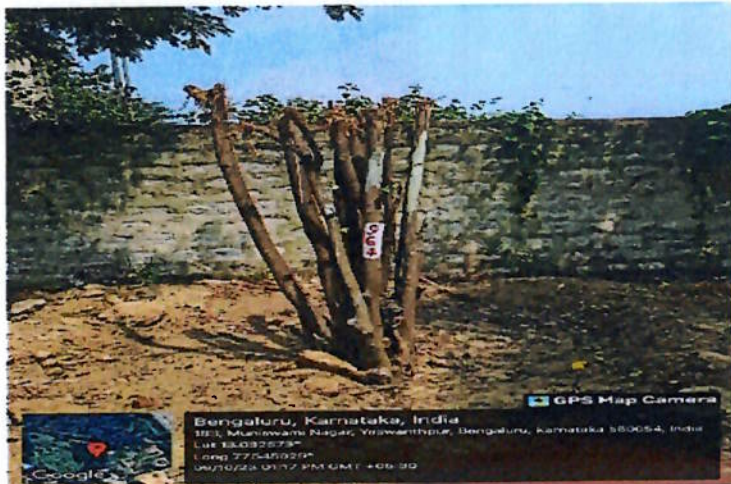
358	<i>Tremma orientalis</i>	 <p>Bengaluru, Karnataka, India 833, Muniswara Nagar, Yerawanthpur, Bengaluru, Karnataka 560054, India Lat 13.032691° Long 77.542020° 09/10/23 01:10 PM GMT +05:30</p>
362	Atti	 <p>Bengaluru, Karnataka, India 833, Muniswara Nagar, Yerawanthpur, Bengaluru, Karnataka 560054, India Lat 13.032705° Long 77.544803° 09/10/23 01:10 PM GMT +05:30</p>
586	Rain tree	 <p>Bengaluru, Karnataka, India 833, Muniswara Nagar, Yerawanthpur, Bengaluru, Karnataka 560054, India Lat 13.032851° Long 77.544504° 09/10/23 01:15 PM GMT +05:30</p>

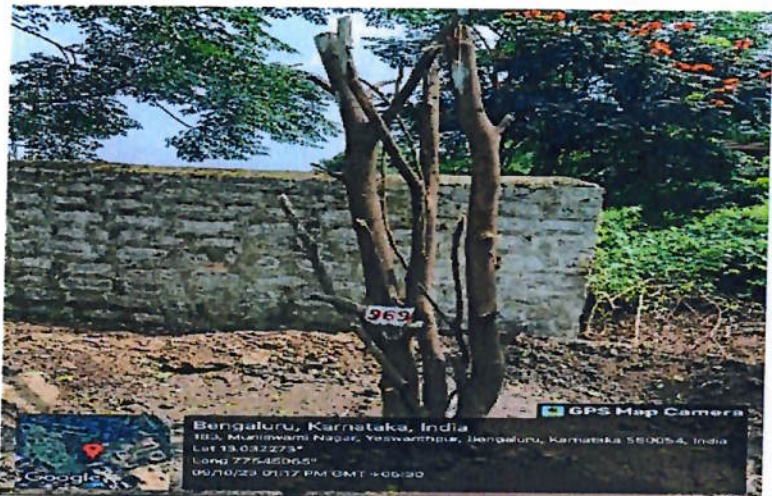
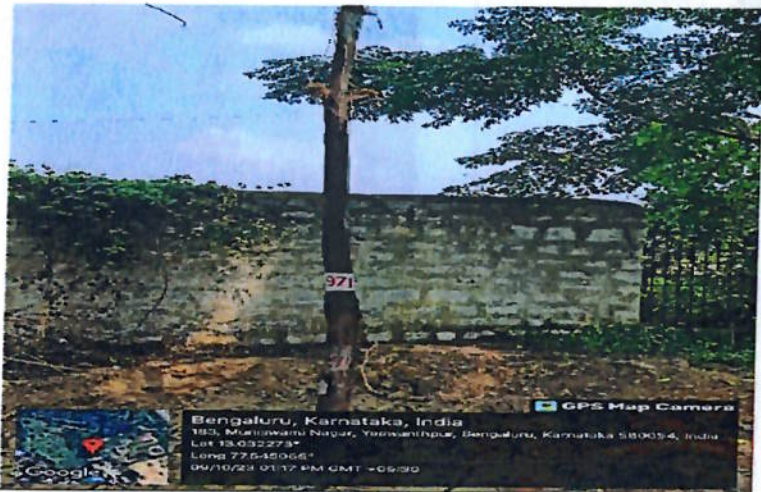

598	Kakke	 <p>A photograph of a Kakke tree (numbered 598) with a thick, gnarled trunk and sparse foliage. The tree is situated in front of a stone wall. A GPS overlay at the bottom right shows the location in Bengaluru, Karnataka, India, with coordinates 13.032959° N and 77.544564° E, and a timestamp of 09/10/23 01:15 PM GMT +05:30.</p>
599	Kakke	 <p>A photograph of a Kakke tree (numbered 599) with a thick, gnarled trunk and sparse foliage. The tree is situated in front of a stone wall. A GPS overlay at the bottom right shows the location in Bengaluru, Karnataka, India, with coordinates 13.032959° N and 77.544294° E, and a timestamp of 09/10/23 01:15 PM GMT +05:30.</p>
616	Rain tree	 <p>A photograph of a Rain tree (numbered 616) with a thick, gnarled trunk and sparse foliage. The tree is situated in front of a stone wall. A GPS overlay at the bottom right shows the location in Bengaluru, Karnataka, India, with coordinates 13.032959° N and 77.543995° E, and a timestamp of 09/10/23 01:15 PM GMT +05:30.</p>

624	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and a dense, rounded canopy. The tree is situated in front of a stone wall. A small white tag with the number '624' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032896° N and 77.544280° E, and a timestamp of 09/10/23 01:14 PM GMT +05:30.
625	Rain tree	 A photograph of a rain tree (Albizia saman) with a thin, straight trunk and a small, rounded canopy. The tree is situated in front of a stone wall. A small white tag with the number '625' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032896° N and 77.544698° E, and a timestamp of 09/10/23 01:15 PM GMT +05:30.
650	Rain tree	 A photograph of a rain tree (Albizia saman) with a thin, straight trunk and a small, rounded canopy. The tree is situated in front of a stone wall. A small white tag with the number '650' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032896° N and 77.543957° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.

653	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall made of grey bricks. A small white tag with the number '653' is attached to the trunk. The background shows a clear blue sky with some clouds. A GPS overlay at the bottom right indicates the location in Bengaluru, Karnataka, India, with coordinates 13.032359° N and 77.543995° E, and a timestamp of 09/10/23 01:14 PM GMT +05:30.
654	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall made of grey bricks. A small white tag with the number '654' is attached to the trunk. The background shows a clear blue sky with some clouds. A GPS overlay at the bottom right indicates the location in Bengaluru, Karnataka, India, with coordinates 13.03221° N and 77.543970° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.
667	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall made of grey bricks. A small white tag with the number '667' is attached to the trunk. The background shows a clear blue sky with some clouds. A GPS overlay at the bottom right indicates the location in Bengaluru, Karnataka, India, with coordinates 13.03221° N and 77.543970° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.

701	Atti	
702	Halasu	
768	Kaadu badami	


867/1	Sandal	
873	Sisso	
964	Benjamina	

969	Benjamina	
971	Kaadu badami	
972	Benjamina	

**Quarterly report****3<sup>rd</sup> Quarter****D. Conclusion:**

S No.	Condition as per OM	Recommendation as per the OM	Completed till date ( 9.10.2023)	Balance	Remarks
1.	Tree translocation	47	33	14	19 Nos survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter Nov 2023, Dec 2023 and Jan 2024 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.



**Manjunath BK**  
**Environmental Expert**  
**General Consultants - KRIDE**





## **OM 1**

**Official Memorandum dated 27/12/2022**

**Quarterly report**

**2<sup>nd</sup> Quarter**

**Report on Implementation of Official Memorandum dated 27/12/2022 ( Baiyyapanahalli to Chikkabanawara ) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 27.12.2022**  
**BBMP**  
**Permission Date : 06.02.2023**

**Details of the OM dtd:**

**Total number of Trees to be removed : 268 Nos. recommended.**

**Total Number of Trees Recommended : 315**  
**for the Retention on Site**  
**Total Number of Trees Recommended : 58**  
**for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation:**

**Agency entrusted for tree translocation : TMRH Plantations**  
**by L & T TILC**  
**Location of Receptor Site : Kendriya Vidyalaya, Ground, Yeshwantpur**  
**Total number of trees to be translocated : 58**  
**as per OM**  
**Translocation completed Month and : 17 No's, April 2023**  
**Year**  
**Total number of trees to be translocation : 41**  
**balance**  
**Total number of trees observed with : 14**  
**survival symptoms.**  
**Total number of trees not encounter with : 3**  
**any type of survival symptoms**

Procedure for agency selection by L & T	: Based on experience and credential
TIIC	review
Methodology adopted for the tree translocation & Felling	: Root Ball Method as per the UAS, GKVK, guideline 2020
Supervision of translocation	: KRIDE & GC
Supervision by Forest Dept	BBMP Tree officer or Officer deputed by tree officer BBMP

## A. TREE TRANSLOCATION

### A1. Competent Agency Selected for Translocation :

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 17 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 14 translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 03 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Translocated trees pertaining to OM dated 27.12.2022**

**Total No of translocation tree – 17 No's**




Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	385	Mahagani	KV school ground	Healthy
2.	386	Tabebuia rosea	KV school ground	Healthy
3.	399	Mahagani	KV school ground	Healthy
4.	403	Mahagani	KV school ground	Healthy
5.	407	Mahagani	KV school ground	Healthy
6.	408	Honge	KV school ground	Dried and new sapling of same species has been done.
7.	409	Mahagani	KV school ground	Dried and new sapling of same species has been done.
8.	414	Mahagani	KV school ground	Healthy
9.	417	Mahagani	KV school ground	Healthy
10.	418	Mahagani	KV school ground	Healthy
11.	423	Tore Matti	KV school ground	Healthy
12.	424	Tabebuia Rosea	KV school ground	Healthy

## Quarterly report

2<sup>nd</sup> Quarter

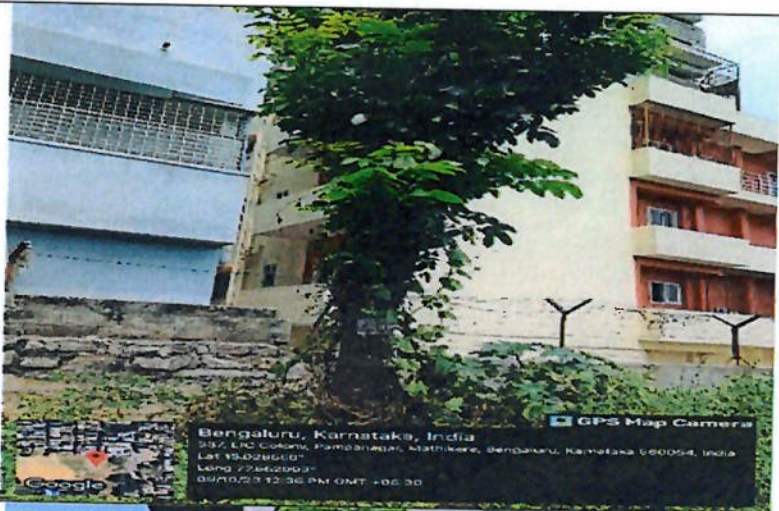
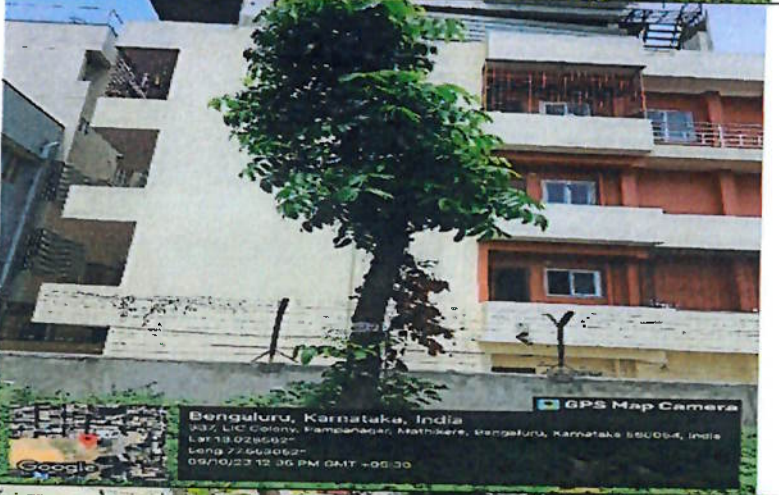

Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
13.	429	Tabebuia Rosea	KV school ground	Healthy
14.	430	Mahagani	KV school ground	Sprouts were observed.
15.	432	Mahagani	KV school ground	Dried and new sapling of same species has been done .
16.	433	Jamun	KV school ground	Healthy
17.	434	Jamun	KV school ground	Healthy, fresh sprouts were observed.


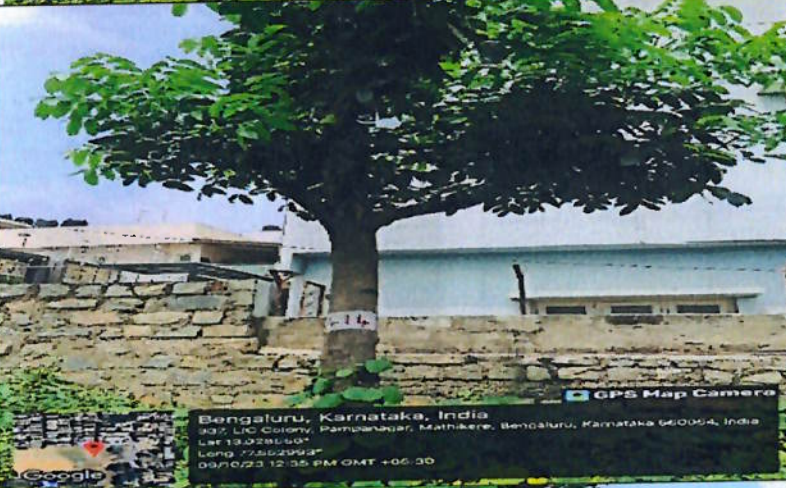
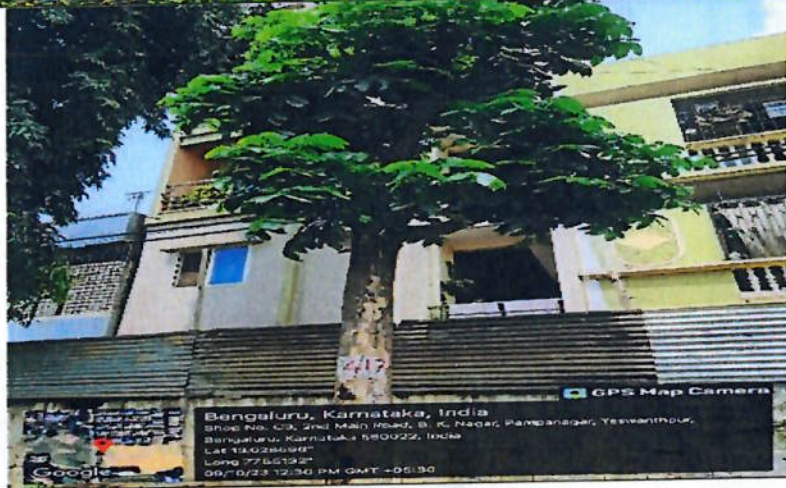
## C. Tree Photographs


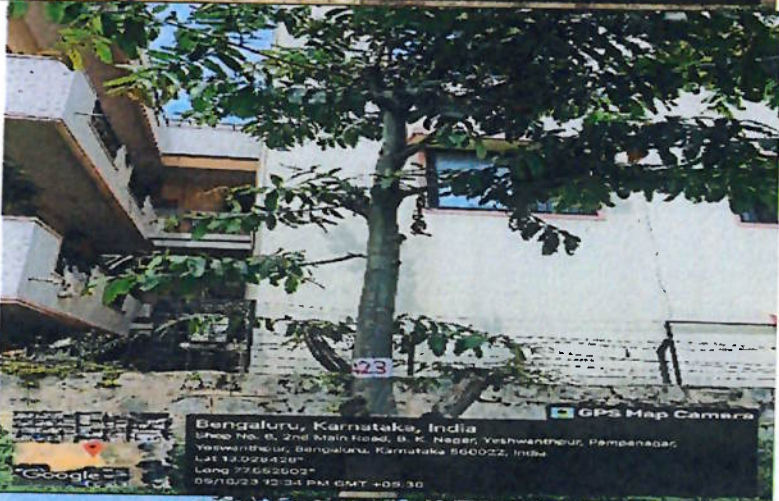
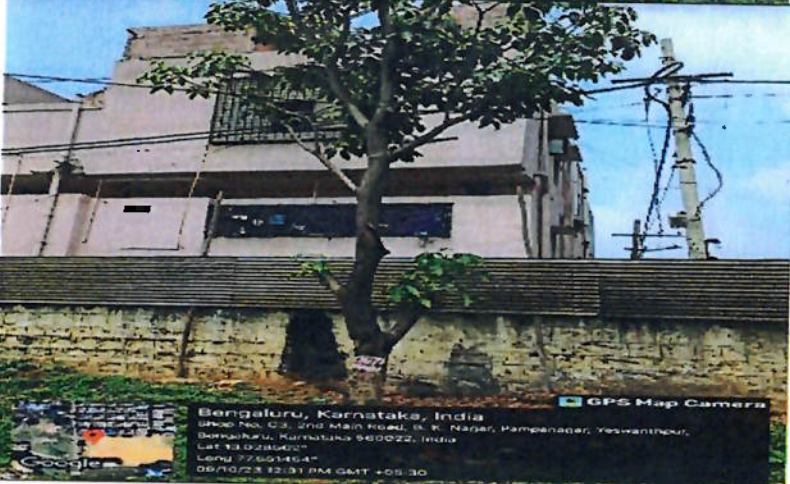
Tree No.	Species Name	Photograph
385	Mahagani	
386	Tabebuia rosea	
399	Mahagani	

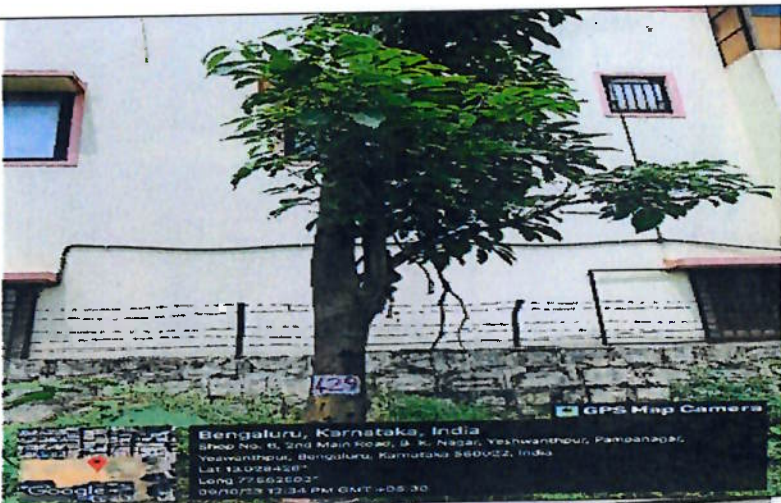

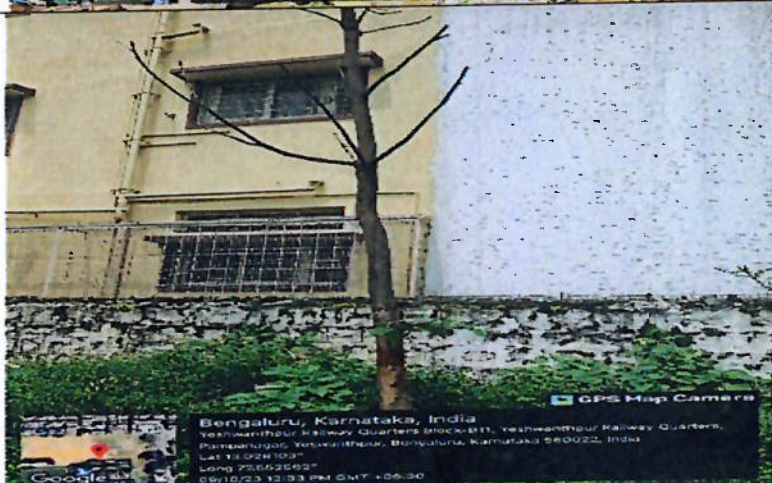
# Quarterly report

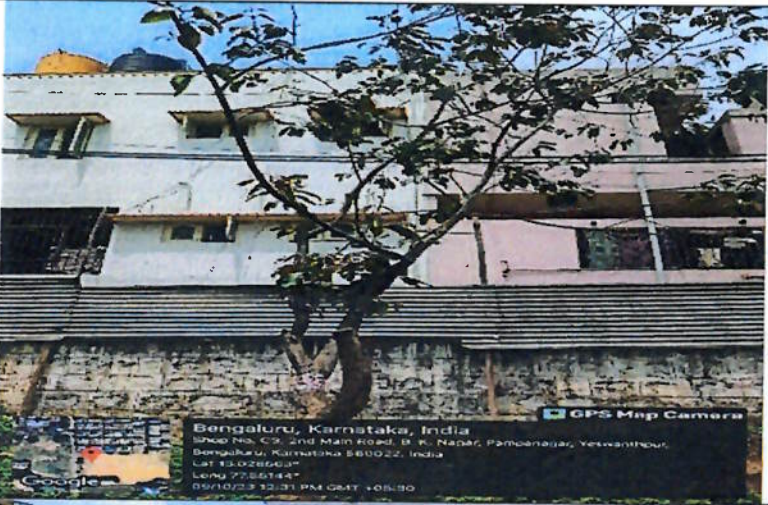

2<sup>nd</sup> Quarter

403	Mahagani	 <p>Bengaluru, Karnataka, India          937, LIC Colony, Kampanageri, Mathikere, Bengaluru, Karnataka 560054, India          Lat 13.028610°          Long 77.562009°          09/10/23 12:36 PM GMT +05:30</p>
407	Mahagani	 <p>Bengaluru, Karnataka, India          937, LIC Colony, Kampanageri, Mathikere, Bengaluru, Karnataka 560054, India          Lat 13.028610°          Long 77.562009°          09/10/23 12:36 PM GMT +05:30</p>
408	Honge	 <p>Bengaluru, Karnataka, India          #18, 1st main road, LIC colony, B. Krishnaiah, Yashwanthpur, LIC Colony, Yashwanthpur, Bengaluru, Karnataka 560022, India          Lat 13.02841°          Long 77.55372°          09/10/23 12:37 PM GMT +05:30</p>

409	Mahagani	
414	Mahagani	
417	Mahagani	

418	Mahagani	
423	Tore Matti	
424	Tabebuia Rosea	

429	Tabebuia Rosea	
430	Mahagani	
432	Mahagani	

433	Jamun	
434	Jamun	

**B. Conclusion:**

Sl No.	Condition as per OM	Recommendation as per the OM 1	Completed till date ( 11 <sup>th</sup> June 2023)	Balance	Remarks
1.	Tree translocation	58	17	41	14 Trees survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Progress report of translocation for July to October 2023 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

  
**Manjunath BK**  
 Environmental Expert  
 General Consultants - KRIDE



## **OM 2**

**Official Memorandum dated 24/02/2023**

**Quarterly report**

**2<sup>nd</sup> Quarter**

**Report on Implementation of Official Memorandum dated 24/02/2023 (from Baiyyapanahalli Railway station to Lottogollahalli Railway station) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 24.02.2023**  
**BBMP**  
**Permission Date : 28.03.2023**

**Details of the OM 2:**

**Total number of Trees to be removed : 1234 no's Recommended**  
**Total Number of Trees Recommended : 123**  
**for the Retention on Site**  
**Total Number of Trees Recommended : 73**  
**for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation :**

**Agency entrusted for tree translocation : TMRH Plantations**  
**by L & T TIIC**  
**Location of Receptor Site : Near Railway quarters Opposite**  
**Treatment plant, Yeswanthpur**  
**Total number of trees to be translocated : 73**  
**as per OM**  
**Translocation completed Month and : 07 No's Completed, May 2023**  
**Year**  
**Total number of trees to be translocation : 66**  
**balance**  
**Total number of trees observed with : 07**  
**survival symptoms.**  
**Total number of trees not encounter with : 0**  
**any type of survival symptoms**  
**Procedure for agency selection by L & T : Based on experience and credential**  
**TIIC review**

## Quarterly report

2<sup>nd</sup> Quarter

**Methodology adopted for the tree translocation & Felling** : Root Ball Method as per the UAS, GKVK, guideline 2020

**Supervision of translocation** : KRIDE & GC

**Supervision by Forest Dept** BBMP Tree officer or Officer deputed by tree officer BBMP

### A.TREE TRANSLOCATION

#### A1. Competent Agency Selected for Translocation :

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

#### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 07 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in 4 numbers of translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. Remaining 3 numbers of trees were not showing any survival symptoms.

#### A.3 Maintenance of Transplanted trees:

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

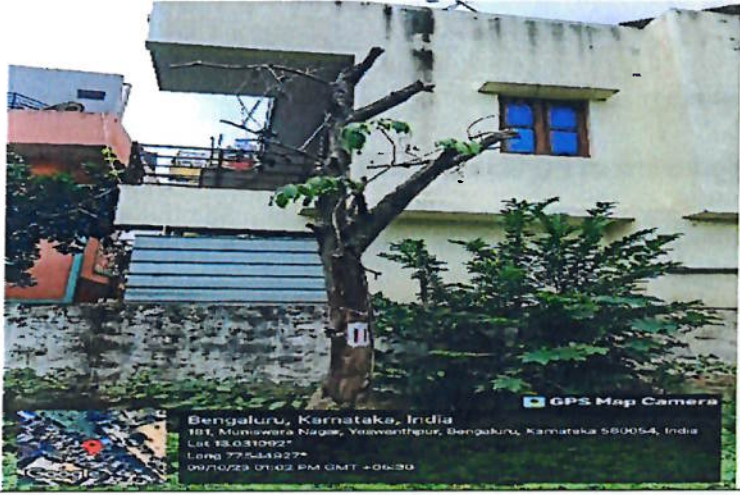
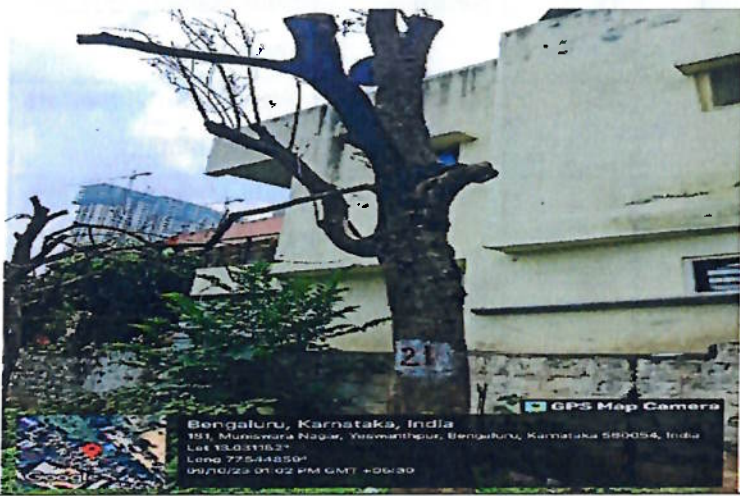
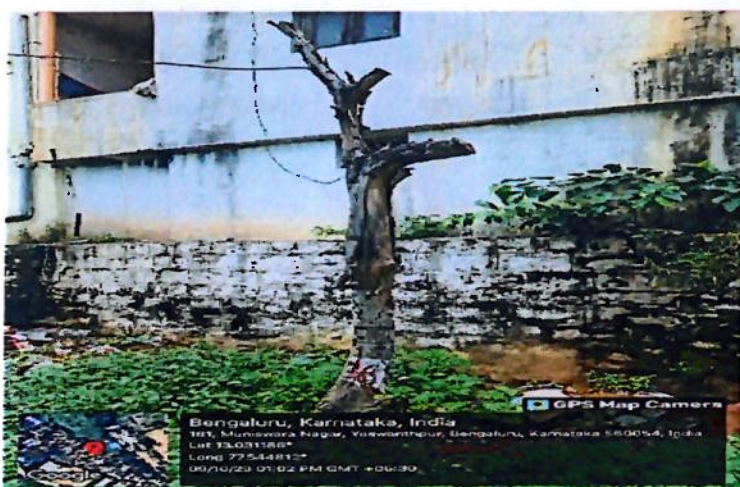
**A 3.2 Plantation activities under taken in the present****Weeding:** Not applicable



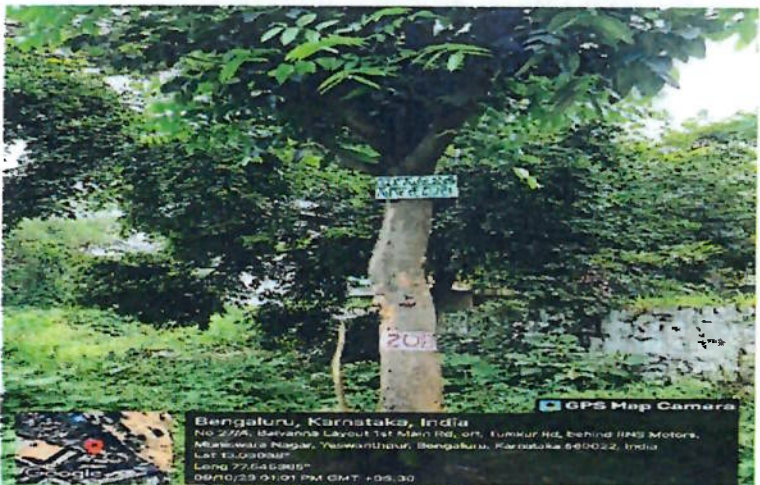
**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at university of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

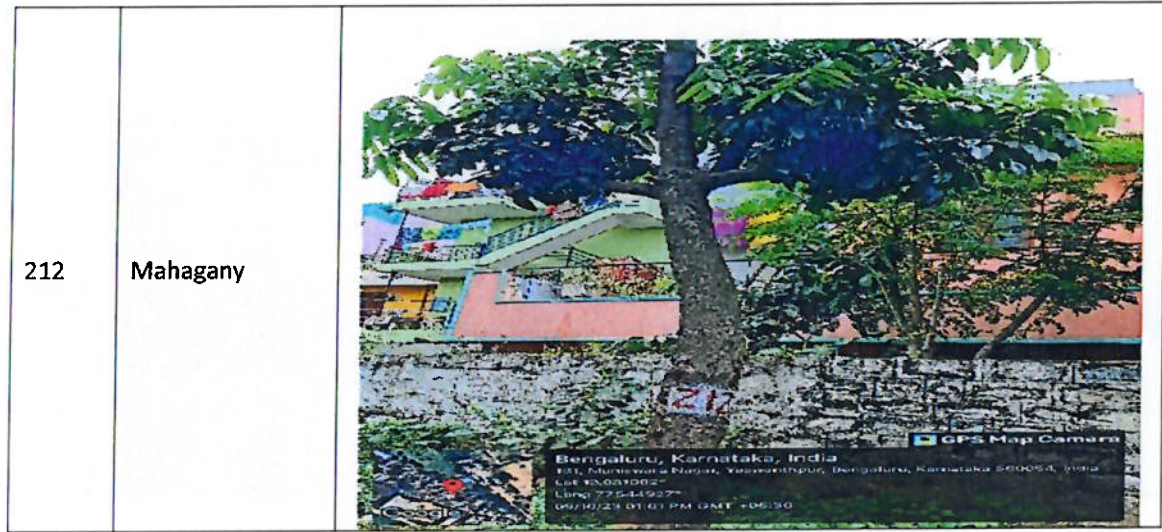
**Watering:** Regularly**Application of Fertilizers:** Not Applied**B. Status of Translocated trees pertaining to OM dated 24.02.2023.****Total No of translocation tree – 07 No's      Date: 9-10-2023**

Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	11	Nerale	Near Railway quarters Yeshwanthpur	Dried
2.	21	Nerale	Near Railway quarters Yeshwanthpur	Dried
3.	36	Atthi	Near Railway quarters Yeshwanthpur	Dried
4.	208	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
5.	212	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
6.	206	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
7.	207	Tabeuia Rosia	Near Railway quarters Yeshwanthpur	Healthy

## C. Tree Photographs

Tree No.	Species Name	Photograph
11	Nerale	 <p>Bengaluru, Karnataka, India 101, Mumukshu Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031092° Long 77.544822° 09/10/23 01:02 PM GMT +05:30</p>
21	Nerale	 <p>Bengaluru, Karnataka, India 101, Mumukshu Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031163° Long 77.544859° 09/10/23 01:02 PM GMT +05:30</p>
36	Atthi	 <p>Bengaluru, Karnataka, India 101, Mumukshu Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.031186° Long 77.544813° 09/10/23 01:02 PM GMT +05:30</p>

206	Mahagany	 <p>Bengaluru, Karnataka, India TOWER-3, DECCAN HABITAT, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.030123° Long 77.540233° 09/10/23 01:24 PM GMT +05:30</p>
207	Tabebuia Rosia	 <p>Bengaluru, Karnataka, India TOWER-3, DECCAN HABITAT, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.030123° Long 77.540233° 09/10/23 01:24 PM GMT +05:30</p>
208	Mahagany	 <p>Bengaluru, Karnataka, India No. 25A, Marana Layout 1st Main Rd, off, Tumkur Rd, behind RAS Motors, Muniswara Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.030123° Long 77.540233° 09/10/23 01:01 PM GMT +05:30</p>

**D. Conclusion:**

S No.	Condition as per OM 2	Recommendation as per the OM 2	Completed till ( 11 <sup>th</sup> June 2023)	Balance	Remarks
1.	Tree translocation	73	07	66	4 Trees survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Progress report of translocation for July to October 2023 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

  
**Manjunath BK**  
 Environmental Expert  
 General Consultants - KRIDE



## OM 3

**Official Memorandum dated 17/03/2023**

**Quarterly report**

**2<sup>nd</sup> Quarter**

**Report on Implementation of Official Memorandum dated 17/03/2023 (from Lottogollahalli Railway station to Chikkabaanavara Railway station) by Rail Infrastructure Development Company Karnataka limited (K – RIDE)**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 17.03.2023**  
**BBMP**  
**Permission Date : 12.04.2023**

**Details of the OM dtd:**

**Total number of Trees needs to be : 596 No's Recommended  
removed**  
**Total Number of Trees Recommended : 135  
for the Retention on Site**  
**Total Number of Trees Recommended : 47  
for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation :**

**Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC**  
**Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur**  
**Total number of trees to be translocated : 47  
as per OM**  
**Translocation completed Month and : 33 No's Completed, October, 2023  
Year**  
**Total number of trees to be translocation : 14  
balance**  
**Total number of trees observed with : Under Observation  
survival symptoms.**  
**Total number of trees not encounter with : Under Observation  
any type of survival symptoms**

<b>Procedure for agency selection by L &amp; T</b>	<b>: Based on experience and credential review</b>
<b>TIIC</b>	
<b>Methodology adopted for the tree translocation &amp; Felling</b>	<b>: Root Ball Method as per the UAS, GKVK, guideline 2020</b>
<b>Supervision of translocation</b>	<b>: KRIDE &amp; GC</b>
<b>Supervision by Forest Dept</b>	<b>BBMP Tree officer or Officer deputed by tree officer BBMP</b>

## **A.TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation :**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From August 2023, translocated 33 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 7 no. of translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 26 no. of translocated tree has currently not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at University of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Trees Translocated pertaining to OM 3 dated 17/03/2023**

**Total No of translocation tree – 33 No's      Date: 9-10-2023**

SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	237	Bruga	Near Railway quarters Yeshwanthpur	No Sprouts were observed
2.	241	Honge	Near Railway quarters Yeshwanthpur	No Sprouts were observed
3.	242	Memosops elangi	Near Railway quarters Yeshwanthpur	No Sprouts were observed
4.	243	Tremma Orientalis	Near Railway quarters Yeshwanthpur	No Sprouts were observed
5.	259	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
6.	260	Honge	Near Railway quarters Yeshwanthpur	No Sprouts were observed
7.	261	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
8.	262	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed
9.	264	Honge	Near Railway quarters Yeshwanthpur	Sprouts were observed

## Quarterly report

2<sup>nd</sup> Quarter

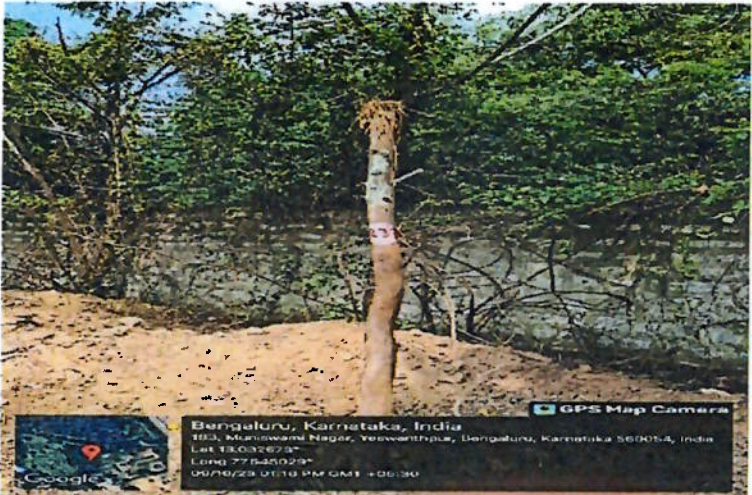

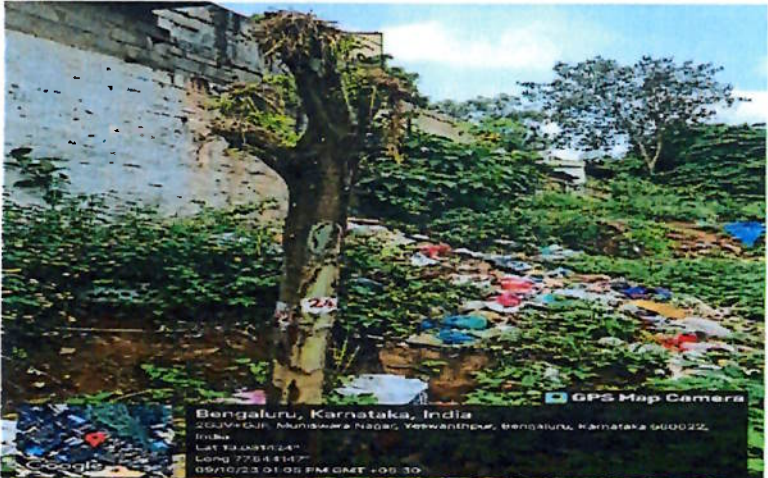
SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
10.	276	Basavanapadha	Near Railway quarters Yeshwanthpur	Sprouts were observed
11.	280	Tabebuia rosea	Near Railway quarters Yeshwanthpur	No Sprouts were observed
12.	344	Rain Tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
13.	358	Tremma Orientalis	Near Railway quarters Yeshwanthpur	Sprouts were observed
14.	362	Atti	Near Railway quarters Yeshwanthpur	No Sprouts were observed
15.	586	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
16.	598	Kakke	Near Railway quarters Yeshwanthpur	No Sprouts were observed
17.	599	Kakke	Near Railway quarters Yeshwanthpur	No Sprouts were observed
18.	616	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
19.	624	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
20.	625	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
21.	650	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
22.	653	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
23.	654	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
24.	667	Rain tree	Near Railway quarters Yeshwanthpur	No Sprouts were observed
25.	701	Atti	Near Railway quarters Yeshwanthpur	No Sprouts were observed
26.	702	Halasu	Near Railway quarters Yeshwanthpur	No Sprouts were observed

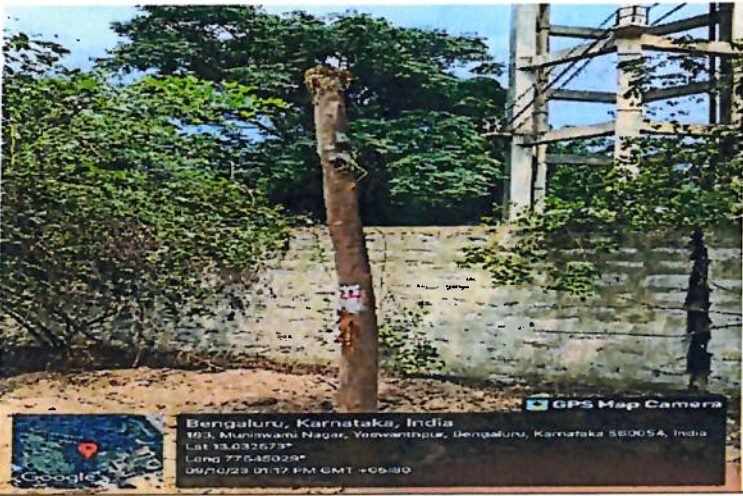
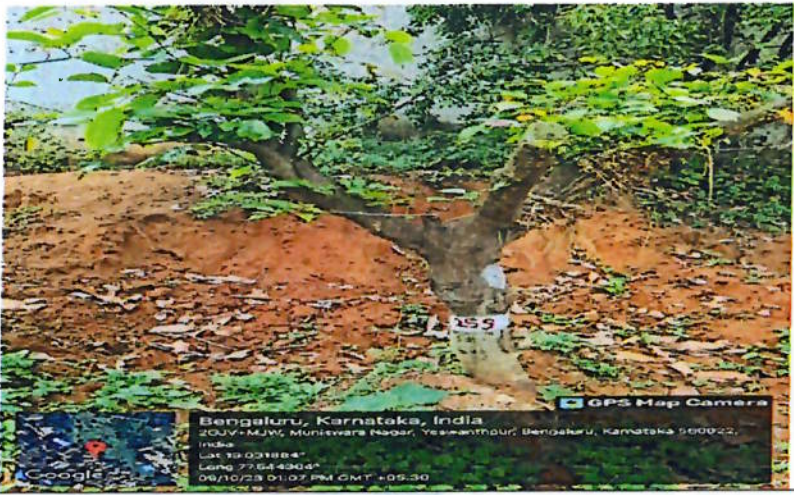
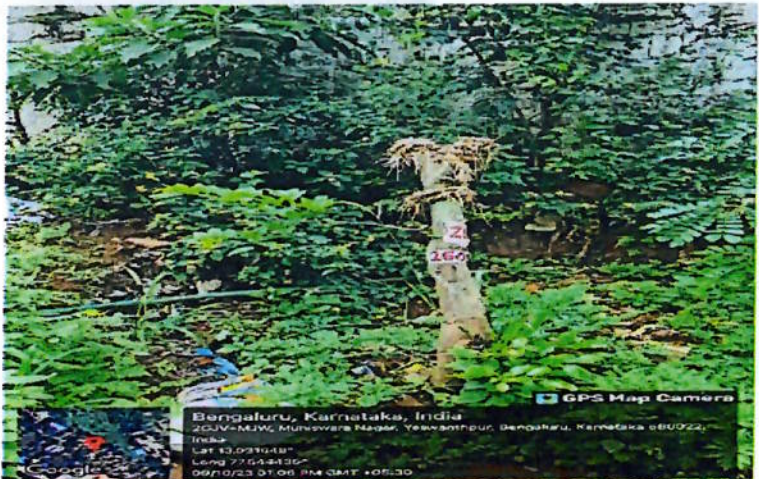
## Quarterly report

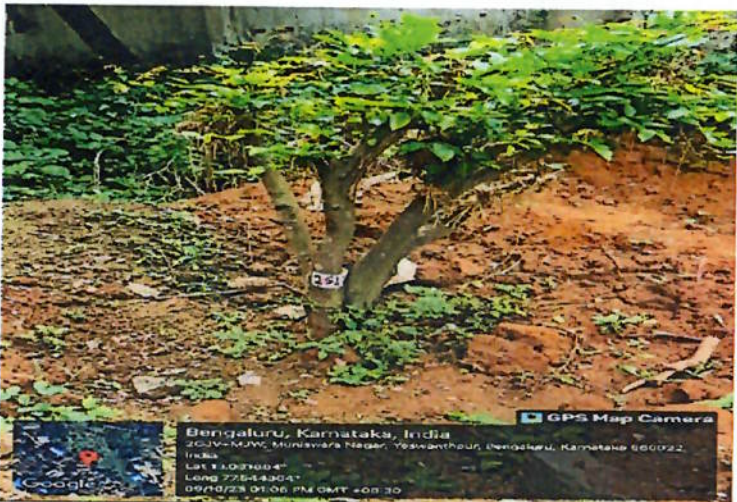


2<sup>nd</sup> Quarter

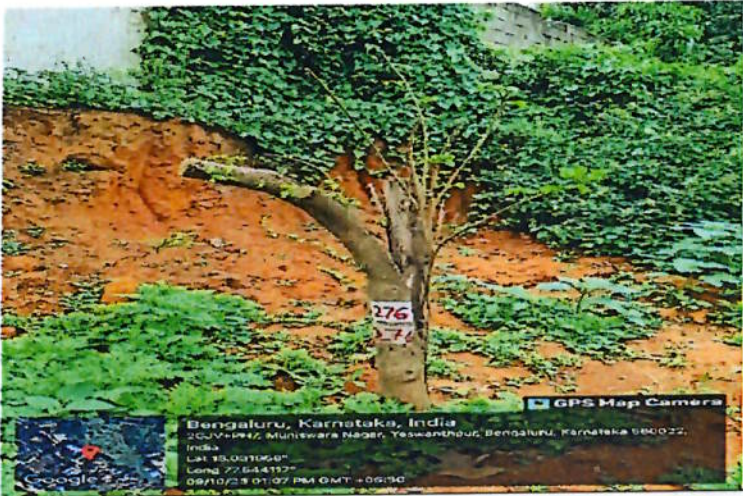

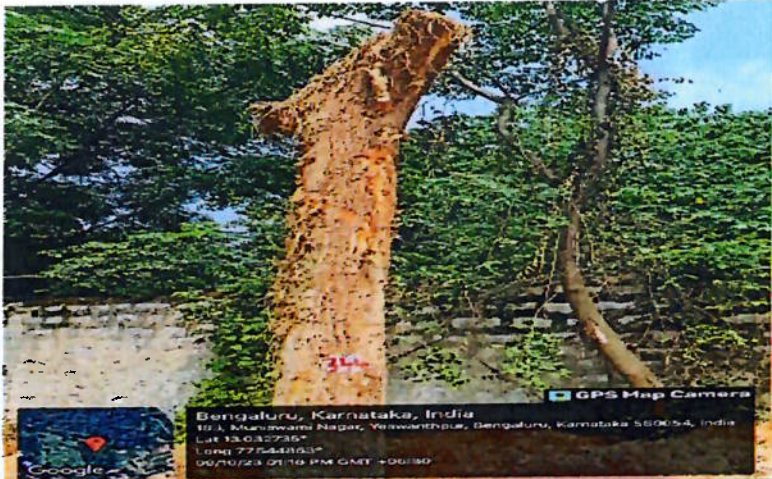
Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
27.	768	Kaadu Badami	Near Railway quarters Yeshwanthpur	No Sprouts were observed
28.	867 / 1	Sandal	Near Railway quarters Yeshwanthpur	No Sprouts were observed
29.	873	Sisso	Near Railway quarters Yeshwanthpur	No Sprouts were observed
30.	964	Benjamina	Near Railway quarters Yeshwanthpur	No Sprouts were observed
31.	969	Benjamina	Near Railway quarters Yeshwanthpur	No Sprouts were observed
32.	971	Kaadu Badami	Near Railway quarters Yeshwanthpur	No Sprouts were observed
33.	972	Benjamina	Near Railway quarters Yeshwanthpur	Sprouts were observed

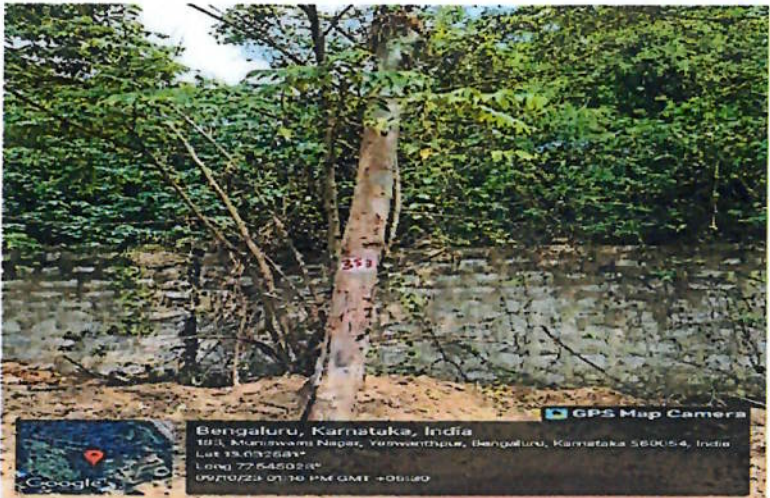
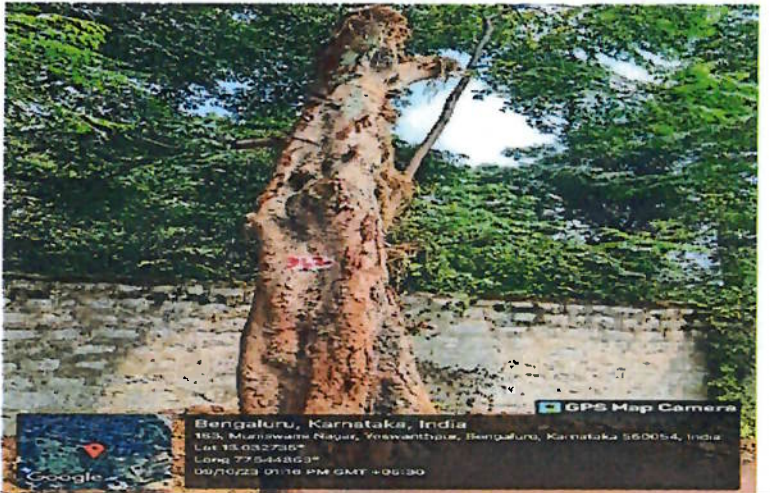
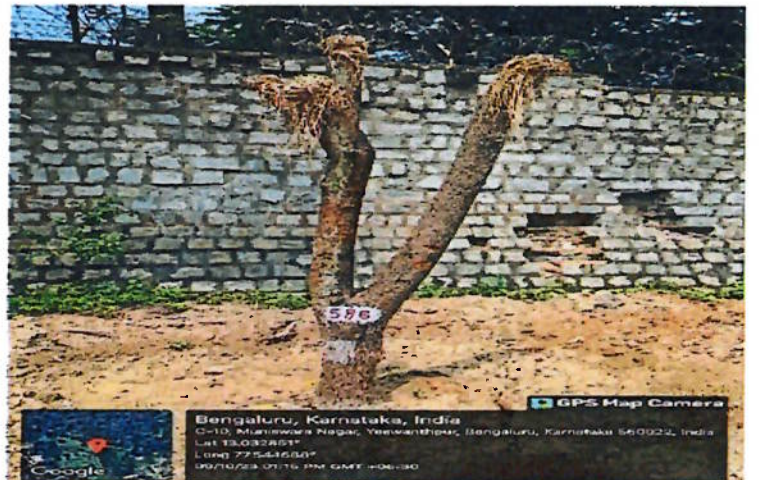
## C. Tree Photographs


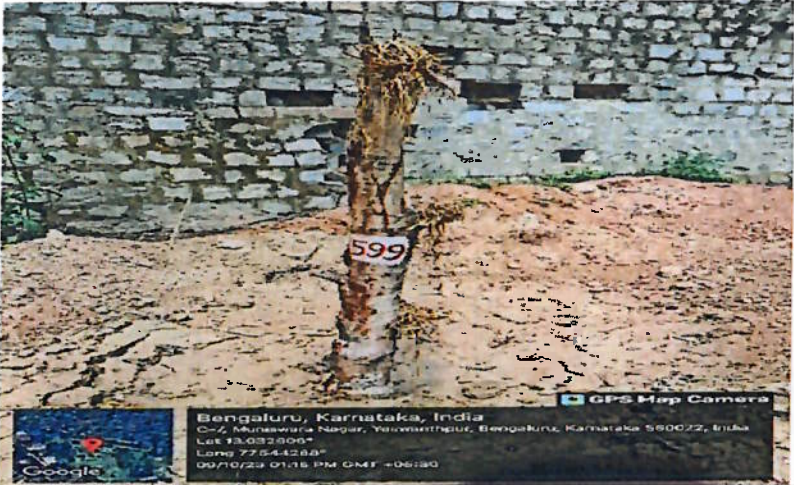

Tree No.	Species Name	Photograph
237	Buruga	 <p>Bengaluru, Karnataka, India 103, Mundawar Nagar, Yeswanthpur, Bengaluru, Karnataka 560014, India Lat 13.032623° Long 77.645023° 09/10/23 01:19 PM GMT +05:30</p>
241	Honge	 <p>Bengaluru, Karnataka, India 203V-GJR, Mundawar Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031424° Long 77.644147° 09/10/23 01:26 PM GMT +05:30</p>
242	Memosops elangi	 <p>Bengaluru, Karnataka, India 203V-GJR, Mundawar Nagar, Yeswanthpur, Bengaluru, Karnataka 560022, India Lat 13.031424° Long 77.644147° 09/10/23 01:05 PM GMT +05:30</p>

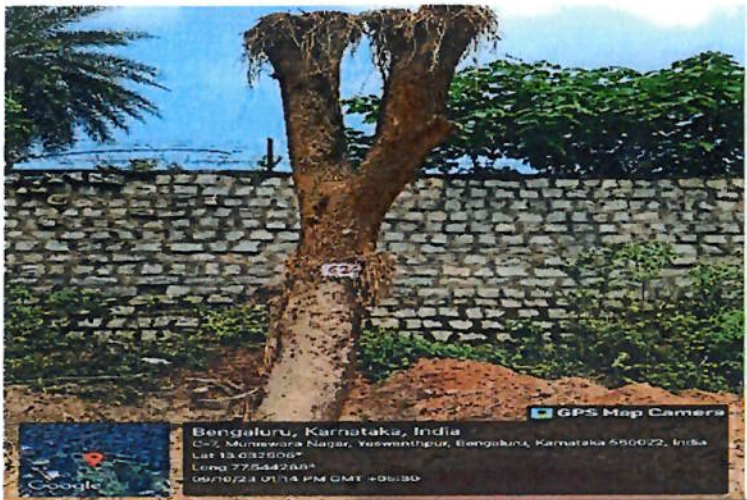

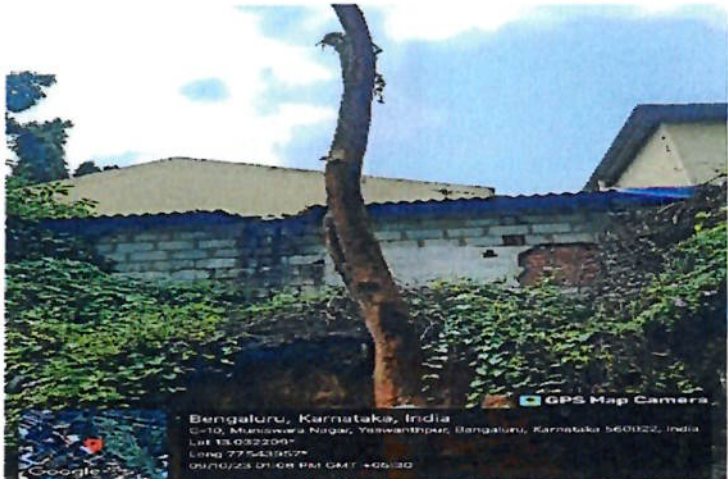
243	Tremma orientalis	
259	Honge	
260	Honge	

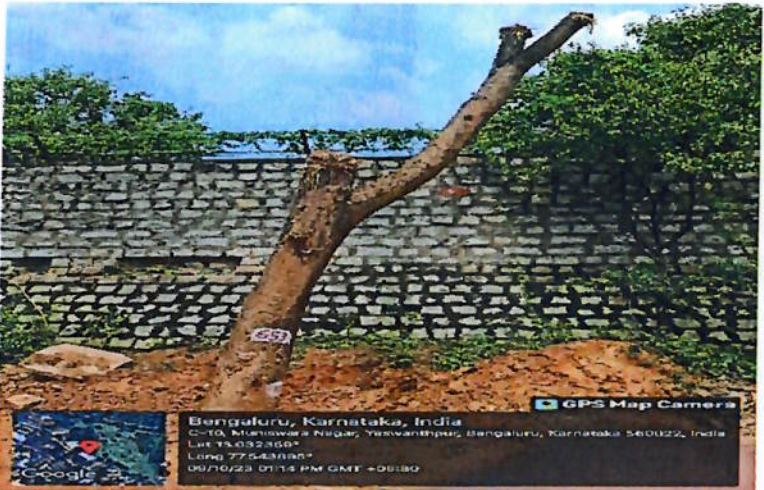
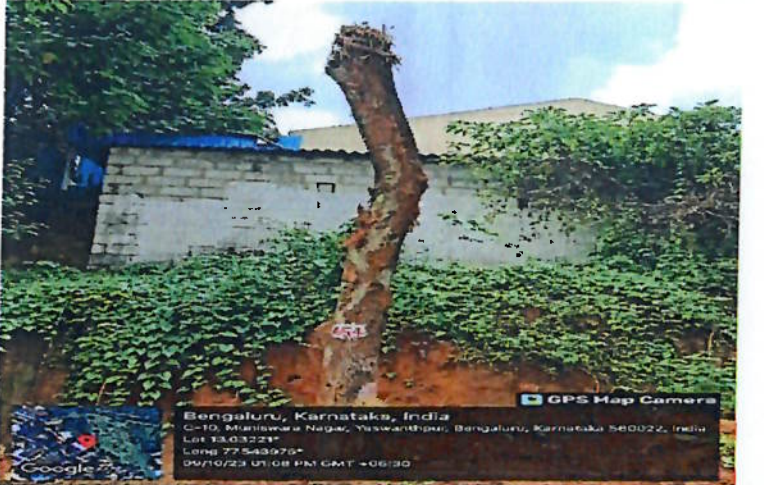
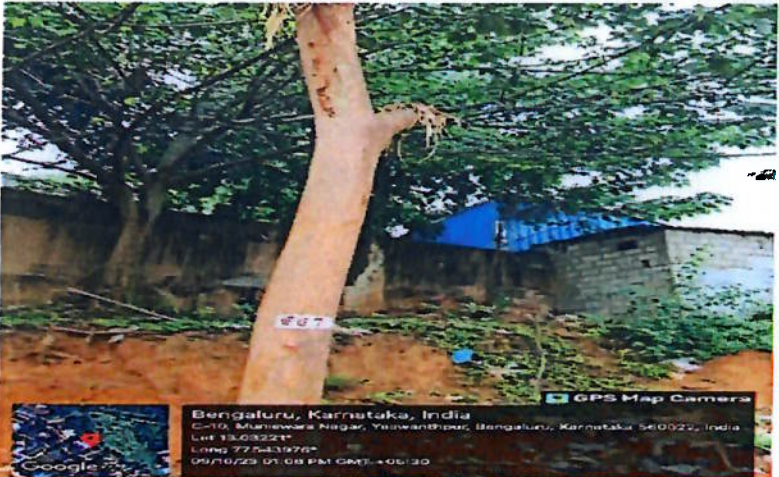
261	Honge	
262	Honge	
264	Honge	

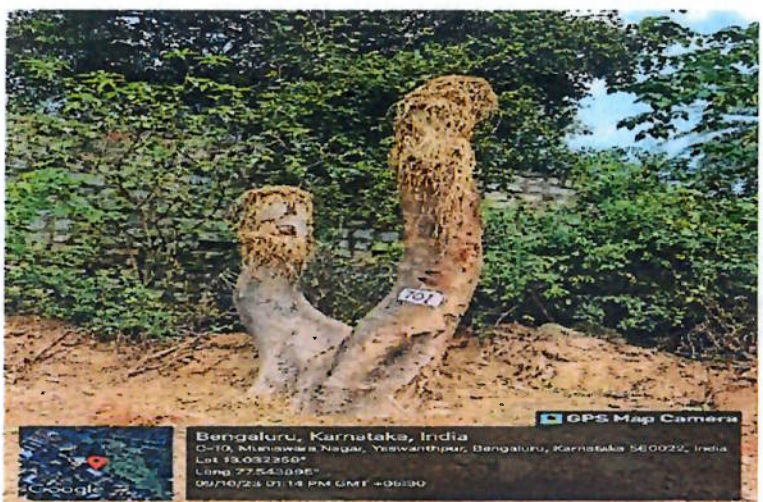
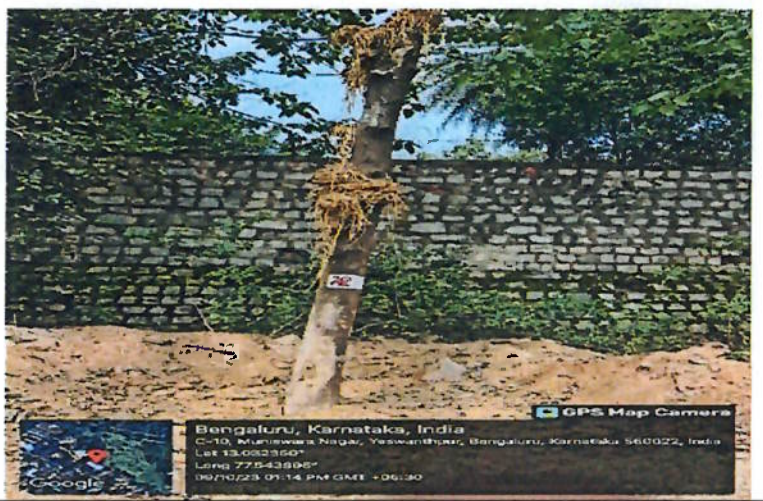
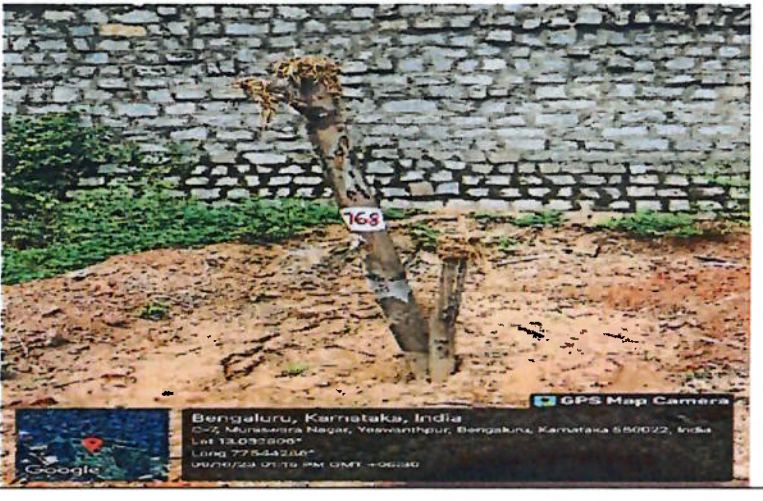
276	Basavanapadha	
280	Tabebuia rosea	
344	Rain tree	

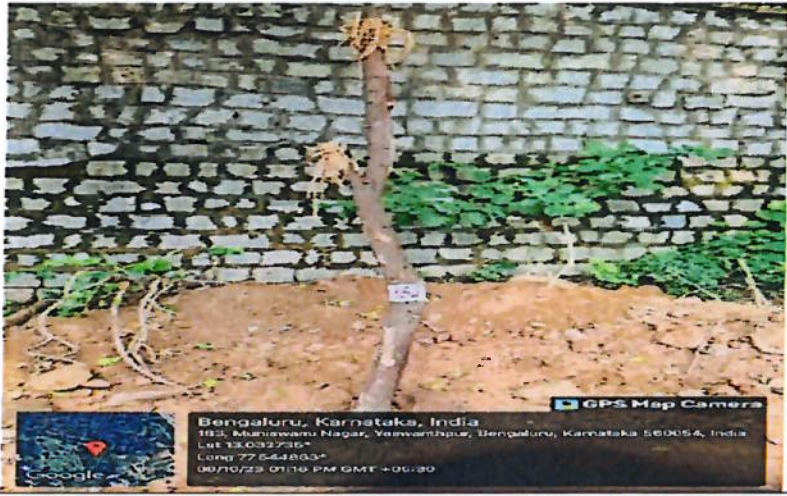
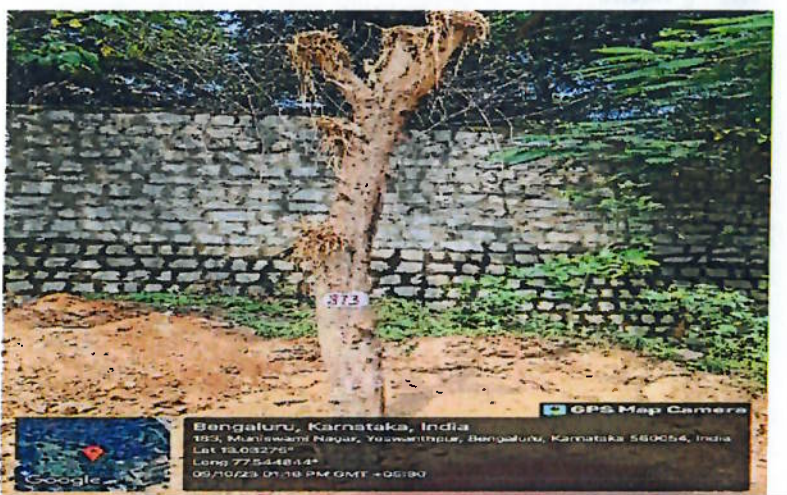

358	Tremma orientalis	
362	Atti	
586	Rain tree	

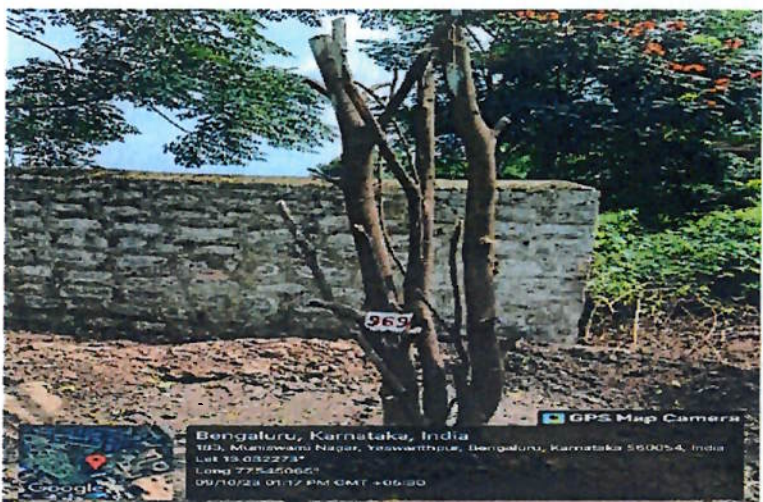
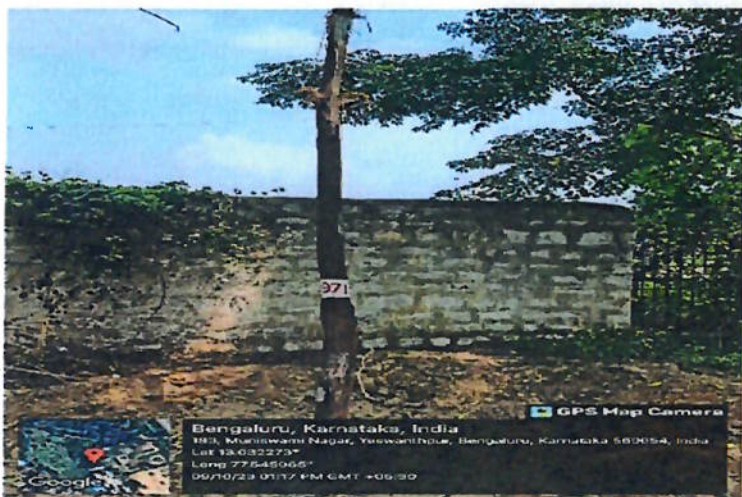
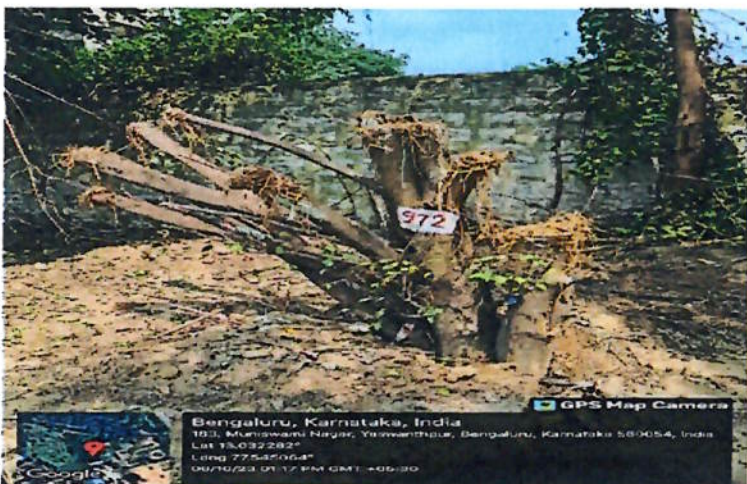
598	Kakke	
599	Kakke	
616	Rain tree	

624	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and a dense canopy of green leaves. The tree is positioned in front of a wall made of grey, rectangular stones. A small white tag with the number '624' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032806° N and 77.544268° E, and a timestamp of 09/10/23 01:14 PM GMT +05:30.
625	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and a dense canopy of green leaves. The tree is positioned in front of a wall made of grey, rectangular stones. A small white tag with the number '625' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032806° N and 77.544268° E, and a timestamp of 09/10/23 01:16 PM GMT +05:30.
650	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and a dense canopy of green leaves. The tree is positioned in front of a wall made of grey, rectangular stones. A small white tag with the number '650' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032806° N and 77.544268° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.

653	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall with a tiled roof. A small white tag with the number '653' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.032359° N and 77.543995° E, and a timestamp of 09/10/23 01:14 PM GMT +05:30.
654	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall with a tiled roof. A small white tag with the number '654' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.03223° N and 77.543975° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.
667	Rain tree	 A photograph of a rain tree (Albizia saman) with a thick, gnarled trunk and dense green foliage. The tree is positioned in front of a wall with a tiled roof. A small white tag with the number '667' is attached to the trunk. The image includes a GPS overlay at the bottom right showing the location in Bengaluru, Karnataka, India, with coordinates 13.03223° N and 77.543975° E, and a timestamp of 09/10/23 01:08 PM GMT +05:30.

701	Atti	
702	Halasu	
768	Kaadu badami	

867/1	Sandal	 <p>Bengaluru, Karnataka, India 193, Muniswami Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.032736° Long 77.544863° 09/10/23 01:16 PM GMT +05:30</p>
873	Sisso	 <p>Bengaluru, Karnataka, India 193, Muniswami Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.032736° Long 77.544863° 09/10/23 01:16 PM GMT +05:30</p>
964	Benjamina	 <p>Bengaluru, Karnataka, India 193, Muniswami Nagar, Yeshwanthpur, Bengaluru, Karnataka 560054, India Lat 13.032673° Long 77.546929° 09/10/23 01:17 PM GMT +05:30</p>

969	Benjamina	
971	Kaadu badami	
972	Benjamina	

## D. Conclusion:

S No.	Condition as per OM	Recommendation as per the OM	Completed till date ( 9.10.2023)	Balance	Remarks
1.	Tree translocation	47	33	14	7 Trees showing survival symtoms

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Progress report of translocation for July to October 2023 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

  
Manjunath BK  
Environmental Expert  
General Consultants - KRIDE







## **OM 1**

**Official Memorandum dated 27/12/2022**

**Quarterly report**

**1<sup>st</sup> Quarter**

**Report on Implementation of Official Memorandum dated 27/12/2022 ( Baiyappanahalli to Chikkabanavara ) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 27.12.2022**  
**BBMP**  
**Permission Date : 06.02.2023**

**Details of the OM dtd:**

**Total number of Trees removed as per : 80 out of 268 Nos. recommended.**

**OM**

**Total Number of Trees Recommended : 315**  
**for the Retention on Site**

**Total Number of Trees Recommended : 58**  
**for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation :**

**Agency entrusted for tree translocation : TMRH Plantations**  
**by L & T TIIC**

**Location of Receptor Site : Kendriya Vidyalaya, Ground, Yeshwantpur**

**Total number of trees to be translocated : 58**  
**as per OM**

**Translocation completed Month and : April 2023**  
**Year**

**Total number of trees to be translocation : 41**  
**balance**

**Total number of trees observed with : 17**  
**survival symptoms.**

**Total number of trees not encounter with : 0**  
**any type of survival symptoms**

**Procedure for agency selection by L & T : Based on experience and credential**  
**TIIC review.**

**Methodology adopted for the tree translocation & Felling** : Root Ball Method as per the UAS, GKVK, guideline 2020

**Supervision of translocation** : KRIDE & GC

**Supervision by Forest Dept** : BBMP Tree officer or Officer deputed by tree officer BBMP

## **A.TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation :**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 17 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in the 16 translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. The remaining 01 no. of translocated tree is not encountered with any survival symptoms.

**A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at University of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Translocated trees pertaining to OM dated 27.12.2023**

**Total No of translocation tree – 17 No's**

Sl No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	385	Mahagani	KV school ground	Healthy
2.	386	Tabebuia rosea	KV school ground	Healthy
3.	399	Mahagani	KV school ground	Healthy
4.	403	Mahagani	KV school ground	Healthy
5.	407	Mahagani	KV school ground	Healthy
6.	408	Honge	KV school ground	Dried
7.	409	Mahagani	KV school ground	Healthy
8.	414	Mahagani	KV school ground	Healthy
9.	417	Mahagani	KV school ground	Healthy
10.	418	Mahagani	KV school ground	Healthy
11.	423	Tore Matti	KV school ground	Healthy
12.	424	Tabebuia Rosea	KV school ground	Healthy

SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
13.	429	Tabebuia Rosea	KV school ground	Healthy
14.	430	Mahagani	KV school ground	Healthy
15.	432	Mahagani	KV school ground	Healthy
16.	433	Jamun	KV school ground	Healthy
17.	434	Jamun	KV school ground	Healthy

### C. Tree Photographs

1

TR 417



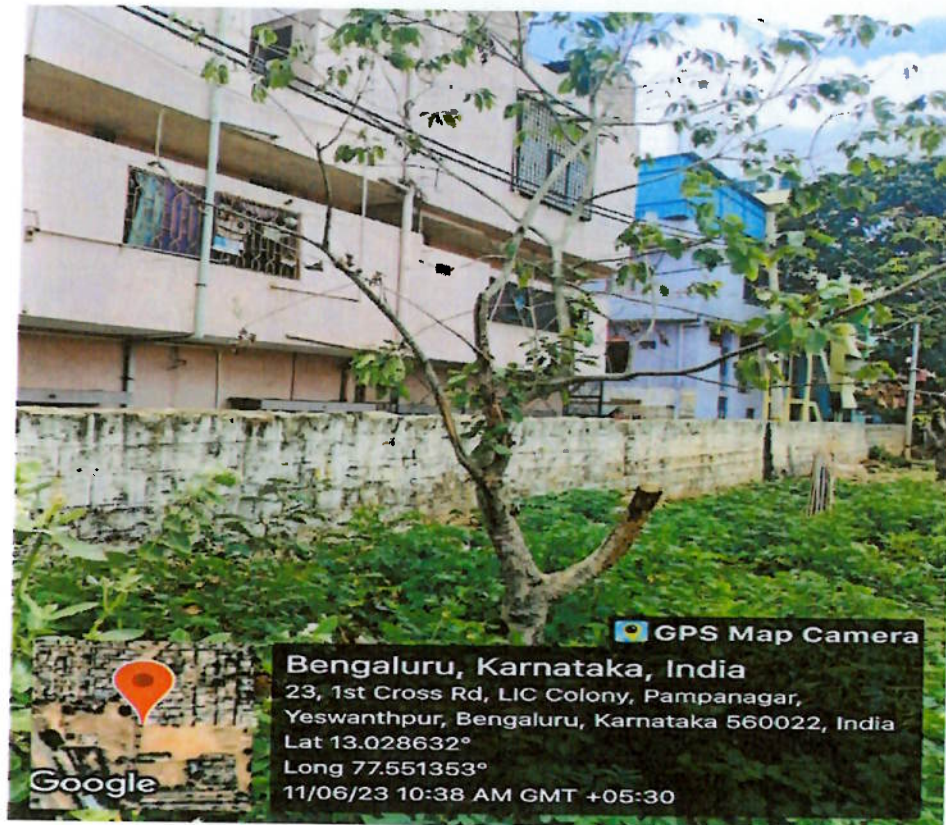
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Tr 418



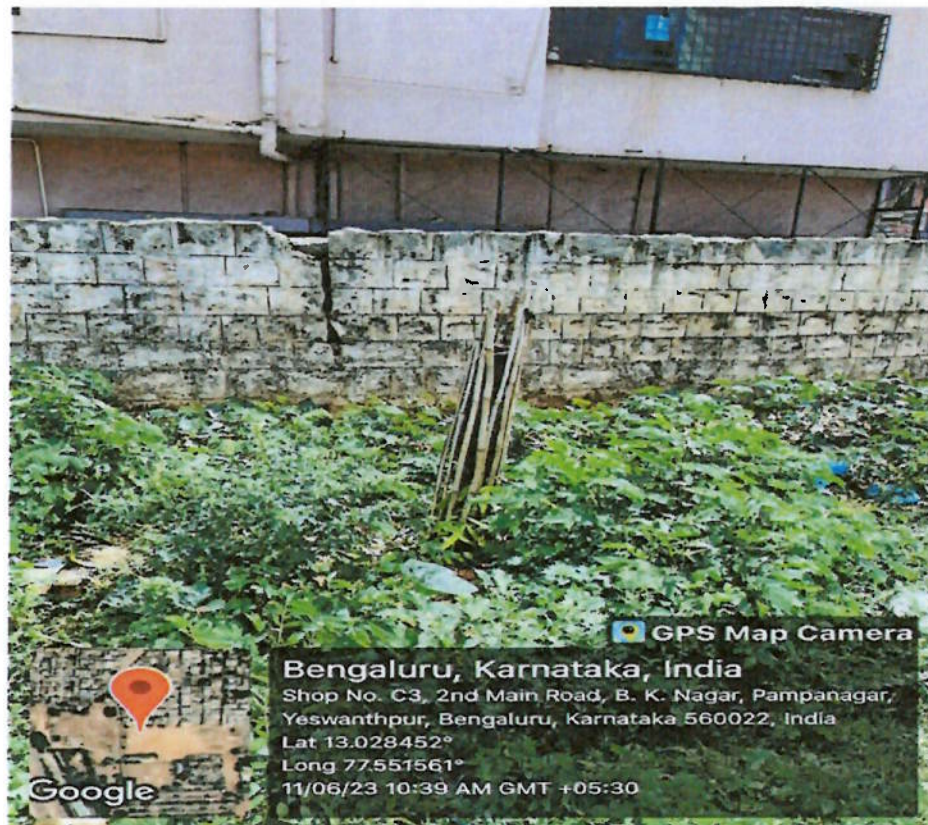
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TR 433



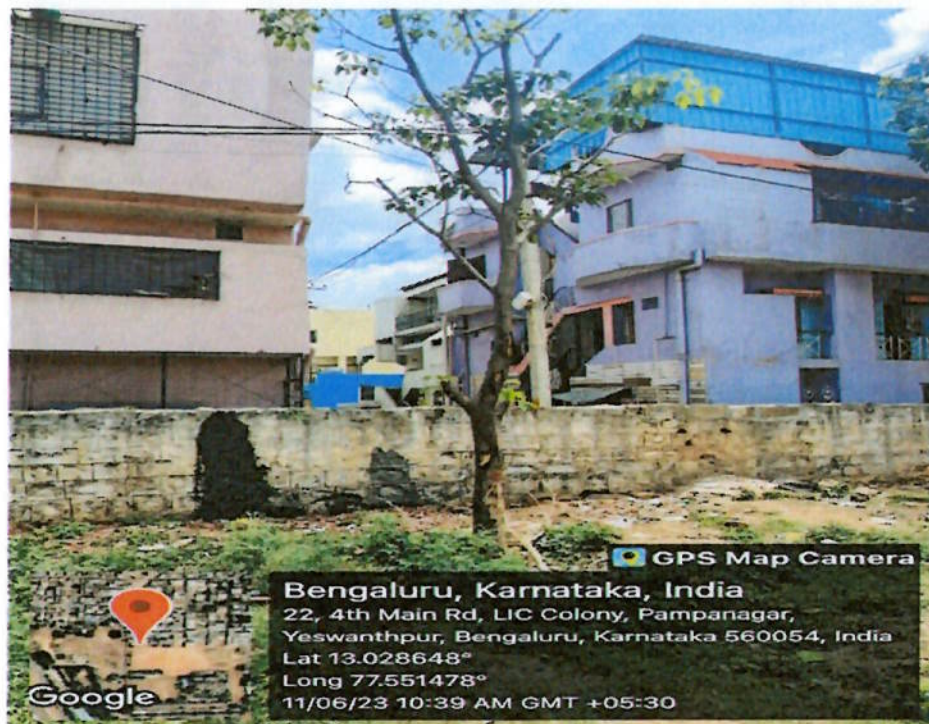
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Tr 430



5

Tr 424



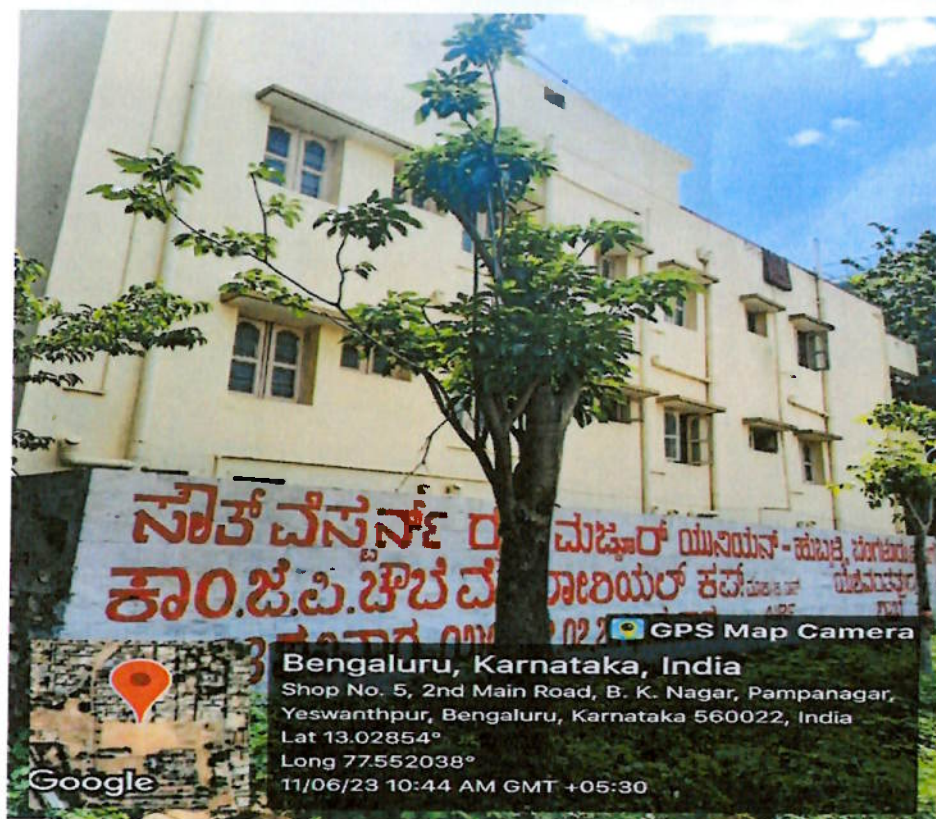
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Tr 434



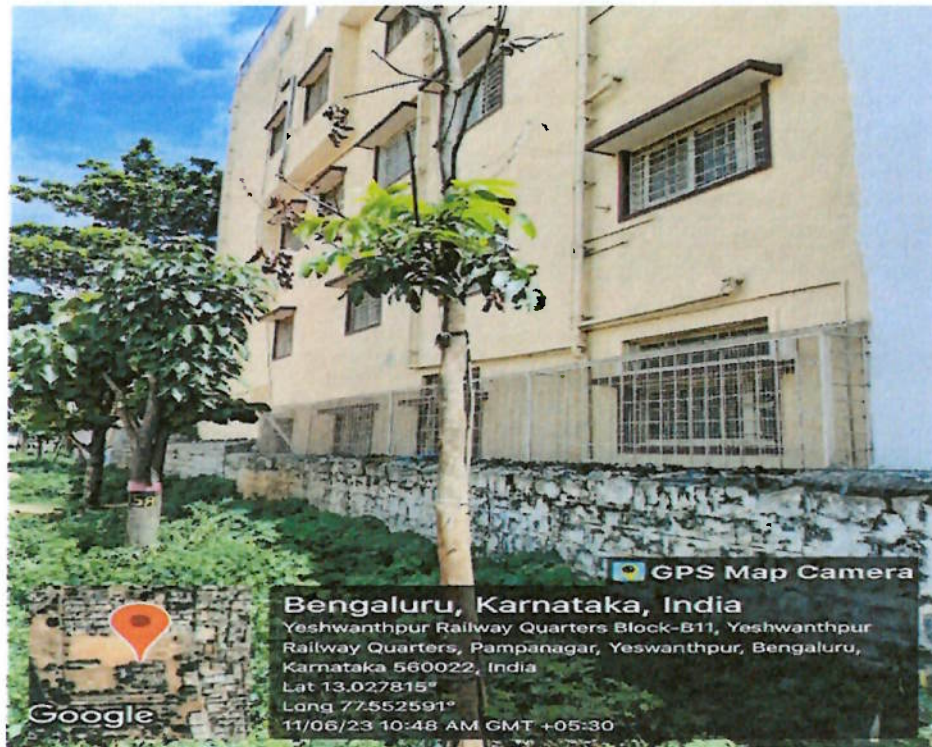
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Tr 386



8

Tr 432



9

Tr 423



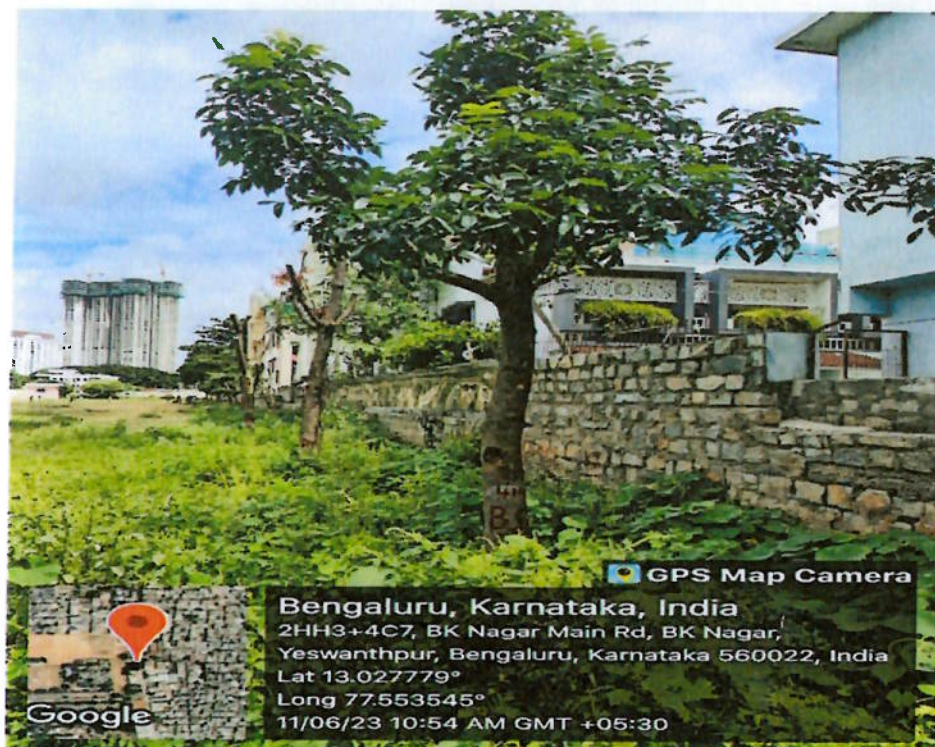
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Tr 409



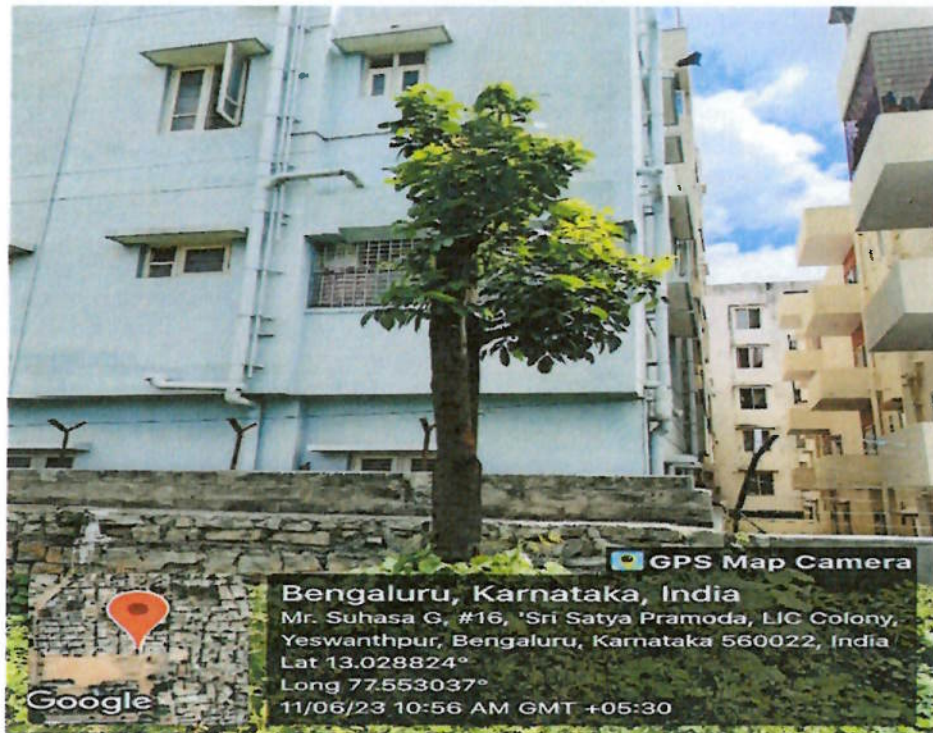
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Tr 414



12

Tr 403



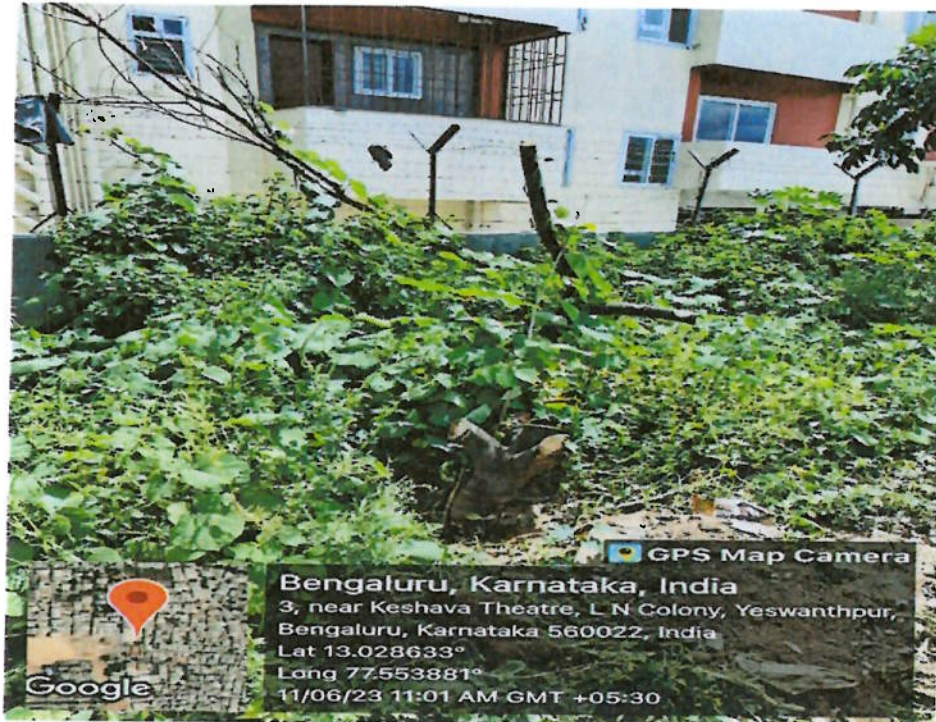
13

Tr 407



14

TR 408



15

385



16

429



17

Tr 399



**D. Conclusion:**

Sl No.	Condition as per OM	Recommendation as per the OM	Completed till date.	Balance	Remarks
1.	Tree translocation	58	17	41	16 Nos survived

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter March, April and May 2023 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

  
Manjunath BK

Environmental Expert  
General Consultants - KRIDE



## **OM 2**

**Official Memorandum dated 24/02/2023**

**Quarterly report**

**1<sup>st</sup> Quarter**

**Report on Implementation of Official Memorandum dated 24/02/2023 (from Baiyappanahalli Railway station to Lottaganahalli Railway station) by Rail Infrastructure Development Company (Karnataka) Limited (KRIDE).**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 24.02.2023**  
**BBMP**  
**Permission Date : 28.03.2023**

**Details of the OM dtd:**

**Total number of Trees removed as per : 578**

**OM**

**Total Number of Trees Recommended : 1234  
for the Retention on Site**

**Total Number of Trees Recommended : 73  
for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation :**

**Agency entrusted for tree translocation : TMRH Plantations  
by L & T TIIC**

**Location of Receptor Site : Near Railway quarters Opposite  
Treatment plant, Yeswanthpur.**

**Total number of trees to be translocated : 73  
as per OM**

**Translocation completed Month and : 07 No's Completed, May 2023  
Year**

**Total number of trees to be translocation : 66  
balance**

**Total number of trees observed with : 06  
survival symptoms.**

**Total number of trees not encounter with : 0  
any type of survival symptoms**

Procedure for agency selection by L & T	: Based on experience and credential
TIIC	review.
Methodology adopted for the tree translocation & Felling	: Root Ball Method as per the UAS, GKVK, guideline 2020
Supervision of translocation	: KRIDE & GC
Supervision by Forest Dept	BBMP Tree officer or Officer deputed by tree officer BBMP

## **A.TREE TRANSLOCATION**

### **A1. Competent Agency Selected for Translocation :**

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

### **A2. Survival Rate of Transplanted trees as per the official memorandum:**

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

From February 2023, translocated 07 trees which are given way for the BSRP construction. Morphological characteristics showing the survival symptoms like leaf buds, leaf initiation, new shoots, tree branchlets, flowers, and new leaves were observed in 4 numbers of translocated trees which is evident trees responding to the translocation shock and trying to adapt to the new locations and surroundings microclimate. Remaining 3 numbers of trees were not showing any survival symptoms.

**Quarterly report****1<sup>st</sup> Quarter****A.3 Maintenance of Transplanted trees:**

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

**A 3.2 Plantation activities under taken in the present**

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil was tested at University of agricultural science (Gandhi Krishi Vignan Kendra Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Translocated trees pertaining to OM dated 24.02.2023.**

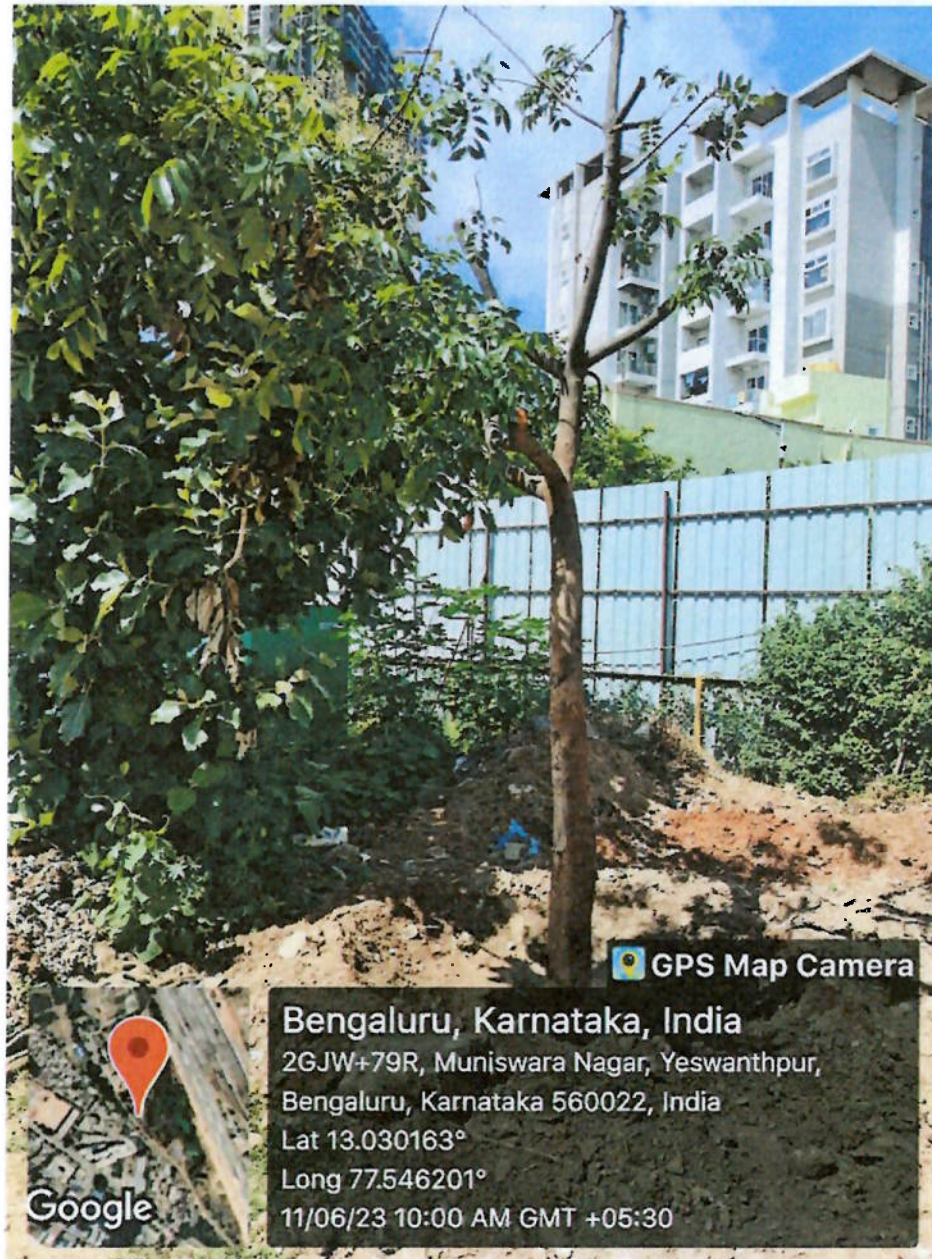
**Total No of translocation tree – 07 No's**

SI No	Tree No	Species	Location	Condition of Tree ( Healthy / New Sprouts / Any other)
1.	11	Nerale	Near Railway quarters Yeshwanthpur	Gradually Drying
2.	21	Nerale	Near Railway quarters Yeshwanthpur	Gradually Drying
3.	36	Atthi	Near Railway quarters Yeshwanthpur	Dried
4.	208	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
5.	212	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
6.	206	Mahogany	Near Railway quarters Yeshwanthpur	Healthy
7.	207	Tabebuia Rosia	Near Railway quarters Yeshwanthpur	Healthy

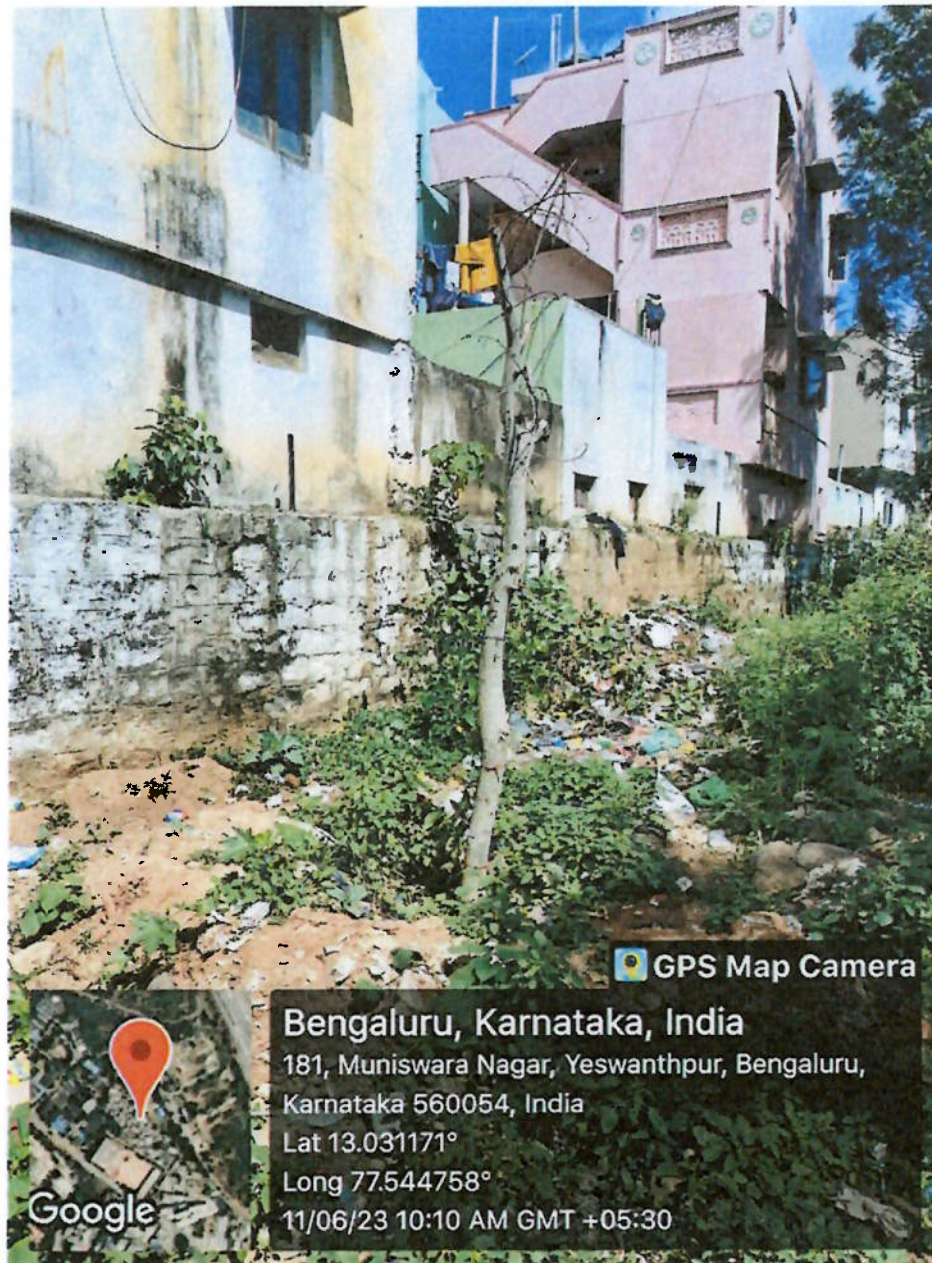
C. Tree Photographs

1

TR 206

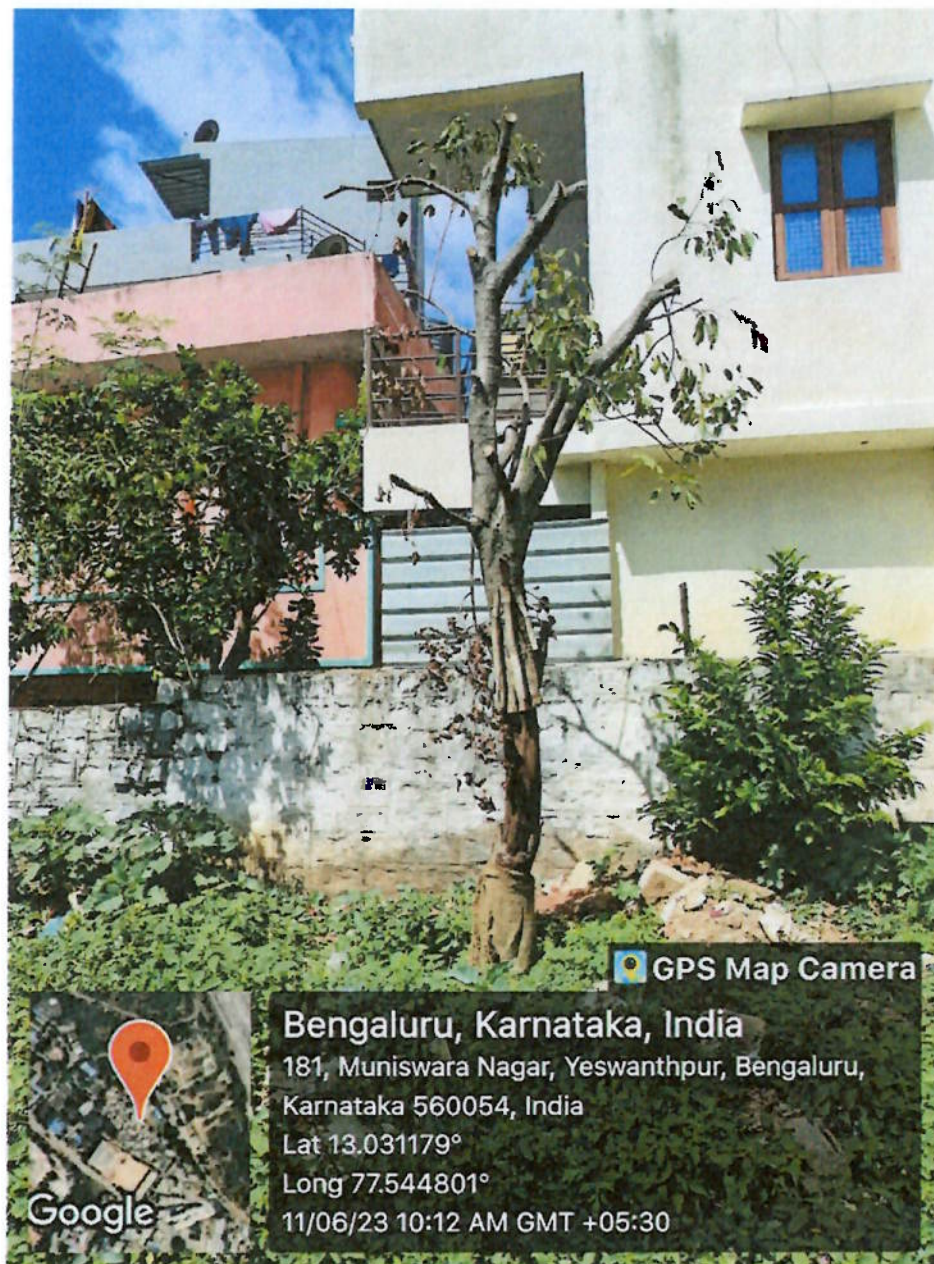




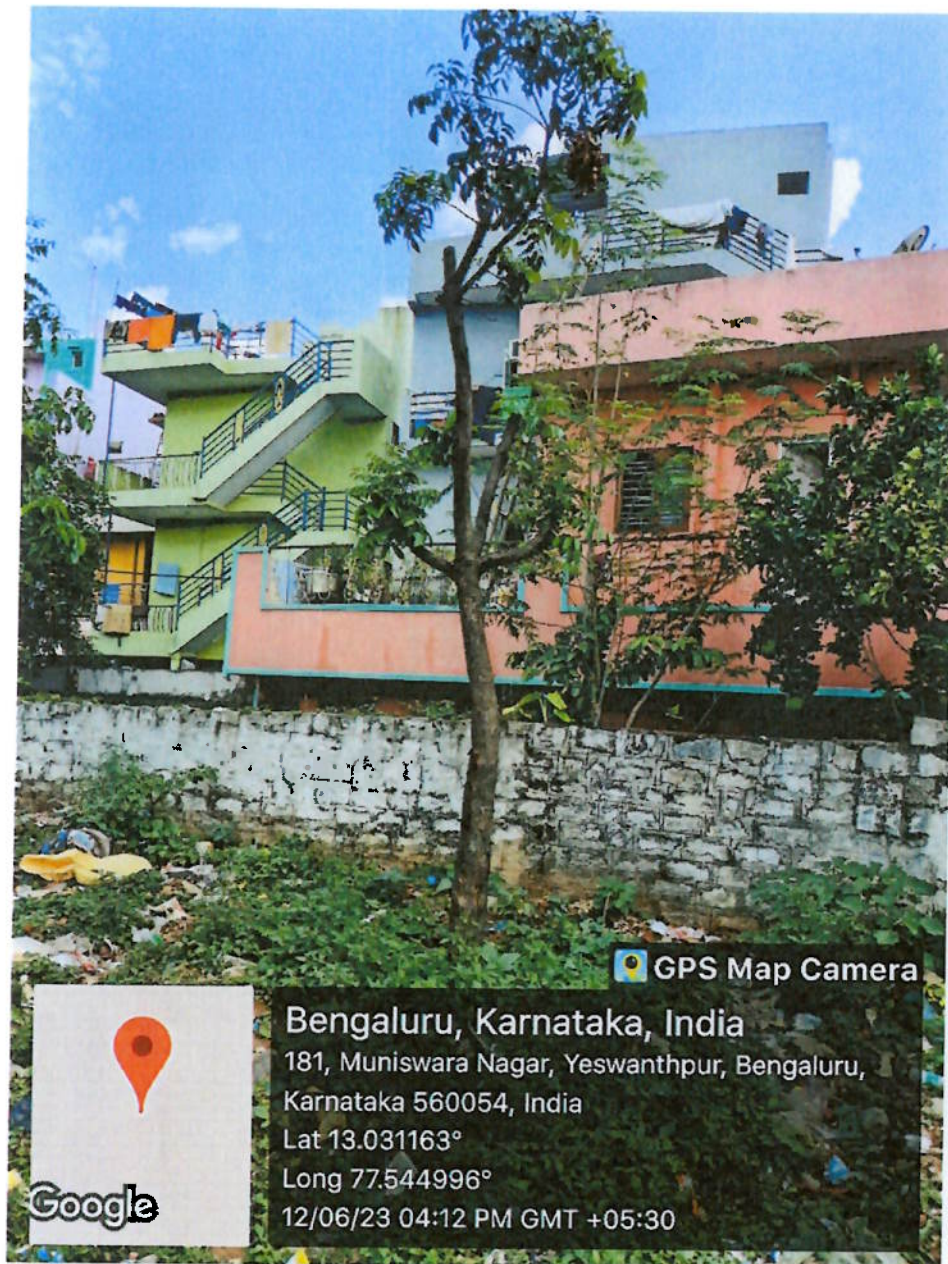


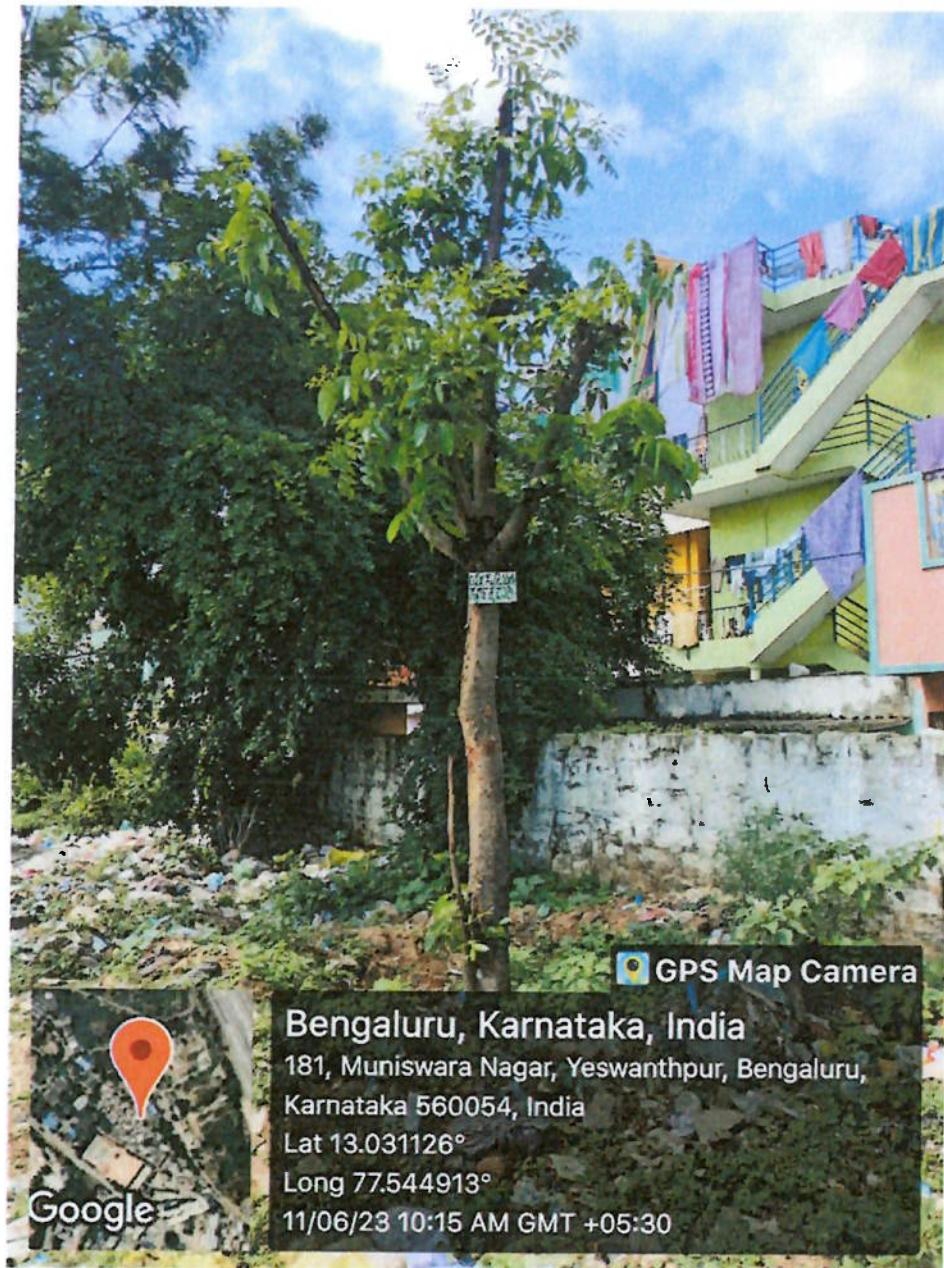
4 Tr 21





6 Tr 212





## D. Conclusion:

SI No.	Condition as per OM	Recommendation as per the OM	Completed till	Balance	Remarks
1.	Tree translocation	73	07	66	4 Trees survived

## Quarterly report

1<sup>st</sup> Quarter

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter March, April and May 2023 is hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.



**Manjunath BK**  
**Environmental Expert**  
**General Consultants - KRIDE**



## **OM 3**

**Official Memorandum dated 17/03/2023**

**Quarterly report**

**1<sup>st</sup> Quarter**

**Report on Implementation of Official Memorandum dated 17/03/2023 (from Baiyappanahalli Railway station to Lottaganahalli Railway station) by Rail Infrastructure Development Company Karnataka limited (K – RIDE)**

**Name of the Project : Bengaluru Suburban Railway projects  
BSRP, Corridor-2**  
**Location of the Project : Bengaluru**  
**OM issued date by the Tree Officer, : 17.03.2023**  
**BBMP**  
**Permission Date : 12.04.2023**

**Details of the OM dtd:**

**Total number of Trees removed as per : 596**

**OM**

**Total Number of Trees Recommended : 135**

**for the Retention on Site**

**Total Number of Trees Recommended : 47**

**for Translocation on Site.**

**Details of Compensatory Plantation : Done by BBMP**

**Detail of Translocation :**

**Agency entrusted for tree translocation : TMRH Plantations**

**by L & T TIIC**

**Location of Receptor Site : Near Yeshwantpur Colony.**

**Total number of trees to be translocated : 47**

**as per OM**

**Translocation completed Month and : Work Yet to be start**

**Year**

**Total number of trees to be translocation : 47**

**balance**

**Total number of trees observed with : 0**

**survival symptoms.**

**Total number of trees not encounter with : 0**

**any type of survival symptoms**

**Procedure for agency selection by L & T : Based on experience and credential**

**TIIC review.**

## Quarterly report

1<sup>st</sup> Quarter

**Methodology adopted for the tree translocation & Felling** : Root Ball Method as per the UAS, GKVK, guideline 2020

**Supervision of translocation** : KRIDE & GC

**Supervision by Forest Dept** : BBMP Tree officer or Officer deputed by tree officer BBMP

### A.TREE TRANSLOCATION

#### A1. Competent Agency Selected for Translocation :

BSRP Corridor 2 (Civil Works) excluding stations construction is awarded to L & T. According to the contract, removal / Felling of Trees and Translocating Trees is in the scope of contractor. GC recommended TMRH Plantations based on credential review.

#### A2. Survival Rate of Transplanted trees as per the official memorandum:

The Transplanted tree needs to be observed frequently for its survival, growth, pests, diseases and other physiological symptoms/expressions. It is possible to witness temporary wilting of leaves for few days, leaf fall also can happen and the tree may even decide to go in for 'Transitory Dormancy' phase, to avoid moisture loss and desiccation. But can show revival symptoms within 6 months like, new sprouts, turgid leaves, arrest of leaf fall etc., It is also possible that sometimes, there will be 'Distress' reaction in the form of premature flowering and fruiting.

Also, some trees will exhibit new sprouts within few weeks which may be due to the presence of adequate stored food reserves. Under such circumstances, the new sprouts will not survive for a long and may wither soon. If the tree has not acclimatized, then there will not be any revival symptoms. It should be kept in mind that the transplanted tree has to withstand the test of at least one year (covering all the three seasons) to declare it as 'surviving or successful'. Hence, any premature conclusions and certifications are being restrained.

Transplantation of trees covered under OM dated 17-03-2023 is yet to commence.

#### A.3 Maintenance of Transplanted trees:

**A 3.1 Time Period:** Trees translocated to be properly maintained and taken care of Three Years.

#### A 3.2 Plantation activities under taken in the present

**Weeding:** Not applicable

**Soil works:** Soil sample was collected at identified location and required parameters of soil

**Quarterly report****1<sup>st</sup> Quarter**

was tested at University of agricultural science (Gandhi Krishi Vignan Kendra  
Bengaluru)

**Watering:** Regularly

**Application of Fertilizers:** Not Applied

**B. Status of Trees Translocated pertaining to OM 3 dated 17/03/2023**

**C. Tree Photographs**

Transplantation work yet to commence.

**D. Conclusion:**

Sl No.	Condition as per OM	Recommendation as per the OM	Completed till date	Balance	Remarks
1.	Tree translocation	47	0	47	

It is submitted that as per the directions and Official Memorandum (OM) issued by the tree officer/DCF (BBMP and Urban Division), Bengaluru. The Quarterly Progress report of translocation for the Quarter March, April and May 2023 are hereby submitted. It is requested that Tree officer, Deputy Conservator of Forest, BBMP Bangalore to kindly consider the same for further needful action.

  
Manjunath BK

Environmental Expert  
General Consultants - KRIDE

