

OFFICIAL MEMORANDUM



ದೂರವಾಣಿ /ಫ್ಯಾಕ್ಸ್ - 080-23343464
Email ID - dcfurban82@yahoo.co.in

ಕರ್ನಾಟಕ ಅರಣ್ಯ ಇಲಾಖೆ

ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಯವರ ಕಛೇರಿ

ಬೆಂಗಳೂರು ನಗರ ವಿಭಾಗ, ಅರಣ್ಯ ಭವನ ಸಂಕೀರ್ಣ, 18ನೇ ಅಡ್ಡರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು - 560 003

Office of the Deputy Conservator of Forests

Bangalore Urban Division, AranyaBhavan Campus, 18th cross, Malleshwaram, Bangalore-560003

No: A9/Tree Cutting /BMRCL/CR-34/2020-21

Date: 08/04/2021.

Official Memorandum

Sub: Permission for felling of trees infringing the Metro Rail Construction work Phase-2, R-6 elevated (Kothnur Depot Entryline)-reg in Hulimavu Horticulture Department, Bannerghatta Road, Bengaluru.

- Ref: 1. Hon'ble High Court Order dated: 18.11.2020 in WP 17841/2018
2. Letter No: BMRCL/R-6(Ele)/Ph-2/F-203/via & stn/R6-CC-01)/2020-21/2697 Dated 27.11.2020.
3. This Office Public Notice vide letter No: A9 /Tree Cutting /BMRCL/CR- 34/2020-21 Dated: 30.11.2020
4. Letter No: RFO/KGP/Metro/GL-523/2020-21/Dtd. 13.12.2020 O/o of The Range Forest Officer, Kaggalipura Range, Kaggalipura.
5. Members Secretary and ACF BBMP, Bengaluru Letter No.ACF/PR.82/2020-21 Dtd.29-03-2021 along with report and proceeding of Tree Expert Committee.

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Preamble:-

BMRCL submitted a fresh application dated 27.11.2020 read at ref (2) above seeking permission for removal of 39 trees infringing the Metro Rail Construction work Phase-2, R-6 elevated (Kothnur Depot Entryline)-reg in Hulimavu Horticulture Department, Bannerghatta Road, Bengaluru as per the directions issued by the Hon'ble High Court of Karnataka vide Order dated: 18.11.2020 in WP No. 17841/2018 read at ref (1) above.

The processing and consideration of the application was taken up as per provisions of the Karnataka Preservation of Trees Act, 1976 (hereinafter mentioned as "the Act") and the Memorandum of Procedure (hereinafter mentioned as "the MOP") formulated by the Tree Expert Committee

(hereinafter mentioned as “the TEC”). As stipulated under Section 8(3)(vii) of the Act, a public notice in Template No. 1 of the MOP was issued duly inviting the objections from the public, as the total number of trees proposed to be removed are more than 50, though the number at this location is 39 only. The public notice appeared in Deccan Herald, Vartha Bahrathi, The Times of India and Vijaya karnataka newspapers on 03.12.2020. The details of the project area, Number of trees to be removed, GPS Co-ordinates and physical details of those trees were uploaded in the website of BBMP, as per the MOP.

In response to the public notice, one objection and one suggestion was received from the general public. The suggestion is for translocating all 39 trees based on assessment by experts/NGOs using objective criteria. In particular Arakere Lake has been suggested as a possible site for the translocation. The observation is in support of the project. Both objection and observation were considered carefully, and proceedings of that consideration along with a tabular statement showing the objections from the public, and remarks and findings of the undersigned for each specific objection and comment were prepared on 14.12.2020, besides recording summary of the findings in Template No. 3 of the MOP.

As per BMRCL’s application, there are 39 trees in the project area out of which 39 trees are sought to be removed. Detailed enumeration of each of those 39 trees in terms of location, physical parameters, health and defects, etc. was organized from the forest officers in Part-I of Template No. 2 of the MOP. Thereafter, the same was verified by the undersigned and a preliminary assessment in terms of possibility of onsite retention or translocation or felling along with justification was carried out through inspection of those 39 trees on 14.12.2020 and recorded in Part-II of Template No. 2.

The proceedings regarding consideration of the objections, tabular statement of the findings along with summary, detailed enumeration and preliminary assessment along with justification for each of the 39 trees, and information in Template No 2 and 3 were submitted vide letter dated 15.12.2020 for consideration by the TEC.

The TEC has submitted a detailed report dated 29.03.2021 giving their recommendations for onsite retention of 6 trees, translocation of 18 trees and felling of 15 trees with justification for each of them along with an abstract of the report in Template No. 4. It is noted from the report that the TEC carried out their activities in 4 stages, namely, (i) review of the application, objections received from the public and findings by the undersigned, (ii) review of preliminary assessment by the undersigned, (iii) their field inspection, and (iv) post inspection review and report preparation.

The TEC has concluded that out of total 39 trees proposed for removal by BMRCL, the project activities can be carried out without removal of following 06 trees.

Trees recommended by TEC for Onsite Retention	
Tree Numbers	1, 10, 16, 18, 19 and 20 Total = 06 nos

The TEC concluded that the balance 33 trees need to be removed as they are falling within the following physical features of Metro Project.

Physical Features	Tree Numbers
Construction of Portal pier and erection works. (Located between metro pillar No. DP2-DP6, DP15-DP17, DP22-DP23, DP37 & DP40-DP44)	2, 3, 4, 5, 6, 7, 8, 9, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, S1, S2, S3 & S4 Total – 30 Nos.
Construction of pile and pile cap works. (Located between metro pillar No. DP15-DP17 and DP42-DP43)	11, 12 & 32 Total – 03 Nos.

The TEC has further concluded that 18 trees out of these 39 trees are healthy and suitable for translocation. The TEC has accordingly recommended translocation of those 18 trees to save them. Based on the inspection and soil test reports of the proposed receptor sites, the TEC has confirmed suitability of those sites for the translocation.

The TEC has also concluded that 15(including one Sandal tree fallen due wind)trees out of these 33 trees are not suitable for the translocation as they have major defects or extraction of the root ball of adequate size is not practical. The TEC has accordingly recommended felling of those 15 trees.

The report of the TEC has been examined. The TEC has provided detailed specific justification for removal of each of the 39 trees, besides giving justification for translocation or felling of the trees in Part-III of Template 2 as well as in Appendix to its report. The undersigned concurs with the recommendations and justification of the TEC.

The final assessment of the undersigned has been recorded in Part-IV of Template No. 2. The translocation of 18 trees and felling of 15 trees (including one Sandal tree-Tree N0.39, which was decayed and wind fallen as per the RFO report vide letter No:RFO/KGP/Metro/JL-523/2020-21 dated 13-12-2020, and hence the extracted wood of the said tree was stored in Jarakbande Sandal Godown, Bangalore Range, Bangalore for departmental storage vide this office letter No:A4/stores.Sandal.CR-67/2020-21 dated 14-12-2020) are essential for implementation of the metro project, which seeks to build a sustainable public transport system. The adverse impact of the felling of trees will have to be mitigated by directing BMRCL to take up compensatory plantation in adequate number.

Hence, the following order.

Order

1. Permission is refused for removal of Six(6) trees listed in **Appendix 1** appended to this Official Memorandum. They should be retained at site only.
2. Based on the consideration detailed above, permission is hereby granted for removal of (Eighteen)18 trees by way of translocation as listed with justification in Template No. 5 appended to this Official Memorandum as **Appendix-2**.
3. Permission is hereby also granted for removal of fifteen(15) trees by way of felling as listed with justification in Template No. 6 appended to this Official Memorandum as **Appendix-3**. This includes one tree fallen due to wind.
4. This order will come into effect fifteen (15) days from the date of uploading of the order on the websites of BBMP and serving by email on the petitioners in WP 17841/2018.
5. The order is subject to following directions to BMRCL.
 - A. Translocation of trees:
 - i. The translocation should be carried out only at following locations.
 - 1) Horticulture Internal Area
 - 2) Kempegowda International Airport Limited(KIAL)

The translocation should be organized by competent agencies, as mentioned in Template 5.

The translocation should follow the methodology suggested by UAS, GKVK.

B. Compensatory Plantation:

- i. Arrange compensatory Afforestation of 330tall and healthy saplings, i.e., @ 10 saplings for each tree removed within 6 months from the date of the removal.
- ii. Submit a plan for the compensatory plantation within 2 months from the date of this order.

C. Care & Maintenance of translocated trees and compensatory plantation, and their Reporting:

- i. BMRCL should ensure proper and effective care and maintenance of the translocated trees and compensatory plantation for a period of 3 years.
- ii. BMRCL should also submit reports regarding condition of the translocated trees and the compensatory plantation every quarter for a period of 3 years to the undersigned.

D. Storage & disposal of felled trees:

- i. The extracted wood from 14 trees to be felled should be deposited with the Range Forest Officer, Kaggalipura for disposal.

Sd/-

**Tree Officer &
Deputy Conservator of Forests
Bengaluru Urban Division.**

Copy to:

1. Chief Conservator of Forests, Bengaluru Circle & Chairman, Tree Authority, Vanavikas, Bangalore.
2. Managing Director, BMRCL, 3rd Floor, BMTC Complex, Shanthinagara, Bengaluru - 560027
3. Sri Dattatraya T Devare, A-102 Natasha Golf View Apartments, Domlur Bengaluru- 560071, Petitioner in WP 17841/2018
4. Bangalore Environment Trust, 10, Sirur Park B Street Seshadripuram Bengaluru – 560020, Petitioner in WP 17841/2018.
5. Chief Engineer – Reach-6(Elevated), BMRCL.

6. Assistant Conservator of Forest & Member Secretary, Tree Expert Committee appointed by Hon'ble High Court in WP 17841/2018.
7. Assistant Conservator of Forests, South Sub Division, Bangalore.
8. Range Forest Officer, Kaggalipura Range, Kaggalipura.



**Tree Officer &
Deputy Conservator of Forests,
Bengaluru Urban Division.**

**Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.**

Appendix-1

List of trees directed or retention										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
1	1	Jackfruit	12 ^o 52' 35.9580"N/ 77 ^o 35' 41.140"E		0.92	8.00	6.00	Retention	Retention	<ul style="list-style-type: none">Tree is present within the project area, however do not hinder any of the construction activities.The tree is healthy.The conditions as mentioned above qualifies the tree under retention category.Proper care should be taken to avoid any kind of damages to the tree during the construction process.
2	10	Mango tree	12 ^o 52' 37.6752"N/ 77 ^o 35' 39.286"E		0.47	5.00	5.00	Retention	Retention	<ul style="list-style-type: none">Tree is present within the project area, precisely outside the boundary line and do not hinder any of the project construction activities.Therefore the tree is recommended for retention.
3	16	Jackfruit	12 ^o 52' 41.1132"N/ 77 ^o 35' 29.983"E		0.74	7.00	8.00	Retention	Retention	<ul style="list-style-type: none">Tree is located near the pillar DP29, tree is associated with sapota.
4	18	Dalchini	12 ^o 52' 37.2324"N/ 77 ^o 35' 25.040"E		0.67	5.00	5.00	Retention	Retention	<ul style="list-style-type: none">Tree is healthy and having sufficient space around collar zone and present abutting the project boundary.However, care should be taken to retain the Tree, As the Tree is forked and close to existing Road.

List of trees directed or retention

Sl. No	Tree No.	Name of the species	Location Latitude (N) / Longitude (E)	GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
5	19	Jackfruit	12° 52' 45.2676"N/ 77° 35' 26.124"E	0.8	10.00	10.00	Retention	Retention	• Tree is located in the abutting the project area.
6	20	Jackfruit A, B, C	12° 52' 45.9336"N/ 77° 35' 25.040"E	1.1	8.00	10.00	Retention	Retention	• Tree is abutting the boundary of depot, hence, this tree can be retained.

Summary:

Total number of Trees assessed in the project area	39
Total number of Trees recommended for on-site retention	06

Date: 08-04-2021



Tree Officer &
Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.

Tree Officer and
Deputy Conservator of Forests
 Bangalore Urban Division,
 BANGALORE.

TEMPLATE No. 5

PARTICULARS ON TRANSPLANTATION / TRANSLOCATION OF TREE(S)*

(to be prepared in compliance to Step 10 of the Memorandum of Procedure of TEC)

Name of the user agency	Bangalore Metro Rail Corporation Limited		
Purpose of the project	Construction of Metro Rail Project, Phase-2		
Extent of the project area	665m in length/8964 Sqm		
Location of the project area	Kothnur Depot Entry Line(Reach-6) Phase- 2		
	Location	Latitude (N)	Longitude (E)
	Starting Point	12° 52' 35.191"	77° 35' 41.507"
	Ending Point	12° 52' 45.487"	77° 35' 24.781"
Number of tree(s) enumerated in the project area	39 Nos.		
Number of tree(s) recommended for transplantation / translocation	18 Nos.		
Feasibility of the tree for transplantation / translocation (as per Template No. 2 – Tree Assessment Form)	All the trees are feasible for transplantation/ translocation		
Name of the agency identified to execute transplantation / translocation	<ul style="list-style-type: none"> INDUS Herbs, -#47, ShankaraArchade, Vanivilas Road, Gandhi Bazar, Basavanagudi, Bangalore- 560004. 		
Transplantation / Translocation methodology	Tree Bur lapping Method		
Location of receptor site	A. Biotechnology Centre Dept. of Horticulture, Hulimavu Opposite to Meenakshi Mall, Bannerghatta road, Bengaluru- 76. (Inside Horticulture internal area)		
	Sl. No	Latitude (N)	Longitude (E)
	1	12° 52' 45.838"	77° 35' 29.479"

	2	12° 52' 47.067"	77° 35' 29.494"
B. Kempegowda International Airport Limited, Bengaluru.			
	Sl. No	Latitude (N)	Longitude (E)
	1	13° 12' 3.9312"	77° 40' 45.1344"
	2	13° 11' 50.9964"	77° 42' 52.2504"
Compatibility of receptor site	Compatible		
Number of trees to be transplanted / translocated to the selected receptor site	18 Nos.		
Spacing between transplanted / translocated trees	5m - 6m		
Post care management	Proper manure and watering for survival of transplanted/ translocated trees		

* Note:

1. List of the trees to be translocated containing details of kind / species, girth, height, GPS coordinates should be appended to this template. These details should be extracted from relevant parts of Template2.
2. The Project Authorities / User agency should strictly adopt the Transplantation / Translocation guidelines prescribed by UAS (B), GKVK, enclosed as Annexure 1 to the MOP.

Date: 08-04-2021



**Tree Officer &
Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.**

**Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.**

List of trees permitted for removal by Translocation

Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
1	8	Jackfruit	12° 52' 36.3972"N / 77° 35' 40.697"E		1.3	8.00	6.00	Translocation	Translocation	<ul style="list-style-type: none">• Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot• Tree is healthy and having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation• Care should be taken during transplantation / translocation as the tree is forked
2	9	Jackfruit	12° 52' 36.8760"N / 77° 35' 40.157"E		1.48	8.00	7.00	Translocation	Translocation	<ul style="list-style-type: none">• Tree is present in the project area earmarked for construction of road, pillar / pier (No. 5) to support the superstructure entry lane to depot• Tree is having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation• Proper care should be taken to remove the dead branch present at 3m from base of the tree• The tree is with minor defects and recommended for transplantation / translocation

List of trees permitted for removal by Translocation										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
3	11	Spethodia	12° 52' 38.2944"N / 77° 35' 35.153"E		1.1	10.00	5.00	Translocation		<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of pillar / pier (No. 16) to support the superstructure entry lane to depotTree is healthy and having sufficient space around collar zone for excavation of applicable size of root ball for translocation / translocationHowever, care should be taken during translocation / translocation as the ground level is not equal around the tree
4	12	Ficus Sp.	12° 52' 38.2692"N / 77° 35' 34.976"E		Bush	4.00	2.50	Translocation		<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier (No. 16 and 17) to support the superstructure entry lane to depotTree is with minor defects and having sufficient space around collar zone for excavation of applicable size of root ball for translocation / translocation
5	13	Ficus Sp.	12° 52' 38.2764"N / 77° 35' 34.890"E		Bush	4.00	2.50	Translocation		<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier (No. 16 and 17) to support the superstructure entry lane to depotTree is with minor defects and having sufficient space around collar zone for excavation of applicable size of root ball for translocation / translocation

List of trees permitted for removal by Translocation										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
6	14	Nelli	12° 52' 38.9604"N / 77° 35' 31.956"E		0.63	7.00	3.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near Tree No.15 at a distance of 1.50 meter.Tree has multiple (3) branches, mechanically damaged.However, it is recommended for transplantation/ translocation by excavating appropriate root ball.
7	15	Nelli	12° 52' 38.9136"N / 77° 35' 31.895"E		0.59	7.00	4.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near pillar No. DP22 & DP23Tree has forked branches, one branch (B) is leaned and one branch is straight (A) and mechanically damaged, however, it is recommended for transplanting.
8	17	Jackfruit	12° 52' 44.4000"N / 77° 35' 28.025"E		0.82	10.00	10.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the vehicle shed, roots exposed on the earth surface, major branch was already felled, therefore appropriate care should be taken during preparation of root ball for transplantation / translocation
9	21	Butter fruit	12° 52' 45.4260"N / 77° 35' 24.904"E		0.86	7.00	6.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is located in the proposed plan and it is near tree No. 22.Tree has multiple (3) branches from 1 feet from the base of the stem, two branches are already felled and two branches are dried.Tree is recommended for transplanting by removing dried branches and pruning one small branch which is bent towards the ground.

List of trees permitted for removal by Translocation										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
10	28	Dalchini	12° 52' 37.0848"N / 77° 35' 40.168"E		0.4	2.50	1.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is with minor defects, sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above qualifies the tree for transplantation / translocation with proper care
11	30	Nelli	12° 52' 38.8920"N / 77° 35' 32.485"E		0.45	5.00	2.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is in between pillar No. DP21&DP22.One major branch was already felled, mechanically damaged.However, Appropriate root ball can be excavated by adopting scientific procedure and Hence, fit for translocation.
12	31	Nelli	12° 52' 39.1440"N / 77° 35' 31.801"E		0.37	7.00	2.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near pillar No. DP23.Tree has forked branches and four main branches of the tree were already felled.Out of two forked branches one branch is leaned, one branch which is straight. Recommended for Transplantation.
13	32	Jackfruit	12° 52' 45.5124"N / 77° 35' 25.825"E		0.48	10.00	3.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the existing vehicle shed.Young tree, appropriate root ball can be excavated by adopting scientific measures.

List of trees permitted for removal by Translocation										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
14	33	Jackfruit	12° 52' 45.4476"N / 77° 35' 25.721"E		0.42	7.00	5.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the existing vehicle shed.Young tree, appropriate root ball can be excavated by adopting scientific measures.
15	35	Kunkum	12° 52' 45.1956"N / 77° 35' 26.491"E		0.34	7.00	4.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is located in boundary of existing vehicle shed.Young tree, care to be taken to retain existing root mass and soil in the root ball during transplantation / translocation
16	S1	Sandal	12° 52' 45.5088"N / 77° 35' 25.494"E		0.2	5.00	3.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is located near the existing vehicle parking.
										<ul style="list-style-type: none">Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed.
										<ul style="list-style-type: none">Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.
17	S2	Sandal	12° 52' 45.5088"N / 77° 35' 25.494"E		0.15	5.00	1.00	Translocation	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is located near the existing vehicle parking.
										<ul style="list-style-type: none">Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed.
										<ul style="list-style-type: none">Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.

List of trees permitted for removal by Translocation

Sl. No	Tree No.	Name of the species	Location Latitude (N) / Longitude (E)	GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Decision of Tree Officer	Justification
18	S3	Sandal	12° 52' 45.5088"N / 77° 35' 25.494"E	0.15	2.50	1.00	Translocation	Translocation	<ul style="list-style-type: none"> Tree is present in the Centre of the project area and it is located near the existing vehicle parking. Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed. Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.

Summary:

Total number of Trees assessed in the project area	39
Total number of Trees recommended for Translocation	18

Date: 08-04-2021



**Tree Officer &
Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.**

**Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.**

TEMPLATE No. 6

PARTICULARS ON TREES TO BE FELLED*

(to be prepared in compliance to Step 9 of the Memorandum of Procedure of TEC)

Name of the user agency	Bangalore Metro Rail Corporation Limited									
Purpose of the project	Construction of Metro Rail Project, Phase-2									
Extent of the project area	665m in length/8964 Sqm.									
Location of the project area	<div>Kothnur Depot Entry Line(Reach-6) Phase- 2<table><tr><th>Location</th><th>Latitude (N)</th><th>Longitude (E)</th></tr><tr><td>Starting Point</td><td>12⁰ 52' 35.191"</td><td>77⁰ 35' 41.507"</td></tr><tr><td>Ending Point</td><td>12⁰ 52' 45.487"</td><td>77⁰ 35' 24.781"</td></tr></table></div>	Location	Latitude (N)	Longitude (E)	Starting Point	12 ⁰ 52' 35.191"	77 ⁰ 35' 41.507"	Ending Point	12 ⁰ 52' 45.487"	77 ⁰ 35' 24.781"
Location	Latitude (N)	Longitude (E)								
Starting Point	12 ⁰ 52' 35.191"	77 ⁰ 35' 41.507"								
Ending Point	12 ⁰ 52' 45.487"	77 ⁰ 35' 24.781"								
Number of tree(s) enumerated in the project area	39 Nos.									
Number of tree(s) recommended for felling	15 Nos*.									

* **Note:**Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.

List of the trees to be felled containing details of kind / species, girth, height, GPS coordinates should be appended to this template. These details should be extracted from relevant parts of Template2.

Date: 08-04-2021


**Tree Officer &
Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.**

**Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.**

List of trees permitted for felling

Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
1	2	Ashok tree	12° 52' 36.2064" N / 77° 35' 41.266"E	0.55	11.00	2.00	Felling	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is with minor defects and present very close to tree no. 3, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling	
2	3	Ashok tree	12° 52' 36.2172" N / 77° 35' 41.240"E	0.55	12.00	2.00	Felling	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is with minor defects and present very close to tree no. 2 and 4, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling	
3	4	Ashok tree	12° 52' 36.2244" N / 77° 35' 41.215"E	0.53	12.00	2.00	Felling	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is present very close in between tree no. 3 and 5, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above disqualifies	

List of trees permitted for felling										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
										the tree for transplantation / translocation and hence recommended for felling
4	5	Ashok tree	12° 52' 36.2784" N / 77° 35' 41.183"E		0.57	11.00	1.50	Felling	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is present very close to tree no. 4 and 6, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above qualifies the tree under felling category
5	6	Ashok tree	12° 52' 36.3072" N / 77° 35' 41.183"E		0.47	10.00	2.00	Felling	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is present very close to tree no. 5 and 7, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling

the tree for transplantation / translocation and hence recommended for felling

- Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot
- Tree is present very close to tree no. 4 and 6, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation
- The conditions as mentioned above qualifies the tree under felling category

- Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot
- Tree is present very close to tree no. 5 and 7, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation
- The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling

List of trees permitted for felling										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
6	7	Ashok tree	12° 52' 36.3468" N / 77° 35' 41.179"E	0.67	9.00	1.00	Felling			<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotTree is with minor defects and present very close to tree no. 6, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocationThe conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling
7	22	Cashew nut	12° 52' 45.4332" N / 77° 35' 24.871"E	2.20	7.00	10.00	Felling			<ul style="list-style-type: none">Tree is located within the Project area.Tree has forked branches from 1 feet from the baseThree major branches are already fallen and some branches are dead.Silviculturally matured tree.Based on the above characters tree does not fit for translocation.
8	23	Nelli	12° 52' 36.3972" N / 77° 35' 41.140"E	1.00	10.00	5.00	Felling			<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depotAt 5m from the base of the tree there is a severe girdling on one side, caused by adjacent building (demolished presently)The tree is matured with restricted roots and dried branchesThe condition of the tree as mentioned above disqualifies the tree for transplantation / translocation.

List of trees permitted for felling										
Sl. No	Tree No.	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer	Justification
			Latitude (N) / Longitude (E)							
9	24	Ashok tree	12° 52' 36.1992" N / 77° 35' 41.294"E		0.37	7.00	2.00	Felling	Felling	<ul style="list-style-type: none"> Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot Tree is present close to 25, 26 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling
10	25	Ashok tree	12° 52' 36.1704" N / 77° 35' 41.284"E		0.42	6.00	2.00	Felling	Felling	<ul style="list-style-type: none"> Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot Tree is present close to 24, 26 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling
11	26	Ashok tree	12° 52' 36.1632" N / 77° 35' 41.312"E		0.47	10.00	1.00	Felling	Felling	<ul style="list-style-type: none"> Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot Tree is present close to 24, 25 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling

List of trees permitted for felling								
Sl. No	Tree No.	Name of the species	Location Latitude (N) / Longitude (E)	GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer
12	27	Ashok tree	12° 52' 36.1380" N / 77° 35' 41.327"E	0.37	7.00	1.00	Felling	Felling
								<ul style="list-style-type: none"> Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot Tree is inclined (90°) and present close to 24, 25 and 26, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling
13	29	Cherry	12° 52' 38.2080" N / 77° 35' 35.437"E	0.48	3.00	6.00	Felling	Felling
								<ul style="list-style-type: none"> Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot Tree is present very close to a sewage channel with probability of severe root infection The existing sewage channel prevents excavation of compact root ball of applicable size for transplantation / translocation The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling
14	34	Subabul	12° 52' 45.8400" N / 77° 35' 25.087"E	0.34	7.00	4.00	Felling	Felling
								<ul style="list-style-type: none"> Tree is located in the proposed Depot, having less ecological importance, does not fit for transplantation.
15	S4	Sandal	12° 52' 43.9068" N / 77° 35' 29.004"E	0.22	-	-	Already Felled	Already Felled
								<ul style="list-style-type: none"> Tree is decayed and wind fallen as per the RFO report vide letter No:RFO/KGP/Metro/JL-523/2020-21 dated 13-12-2020. Hence the extracted wood of Sandal tree was stored in Jarakbande Sandal Godown, Bangalore Range, Bangalore for departmental storage vide

List of trees permitted for felling								
Sl. No	Tree No.	Name of the species	Location	GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Decision of Tree Officer
			Latitude (N) / Longitude (E)					
								letter No:A4/stores.Sandal.CR-67/2020-21 dated 14-12-2020.

Summary:

Total number of Trees assessed in the project area	39
Total number of Trees recommended for Felling	15*

*Note:Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.

Date: 08-04-2021



**Tree Officer &
Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.**

**Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.**

TEC REPORT

Report of Tree Expert Committee
regarding permission sought by BMRCL under section 8(2) and 8(3)(vii) of
Karnataka Preservation of Trees Act, 1976

Application No.: BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697
dated 27.11.2020

Location: Kothnur Depot entry line (Reach-6) Phase-2

Dated: 29.3.21.

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Report of Tree Expert Committee regarding permission sought by BMRCL under section 8(2) and 8(3)(vii) of Karnataka Preservation of Trees Act, 1976.

Application No. BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697 dated 27.11.2020

Project Area: Kothnur Depot entry line (Reach-6) Phase-2

1. As per the orders of the Hon'ble High Court of Karnataka, the Memorandum of Procedure (herein after mentioned as MOP December – 2020) was submitted on 09.12.2020 duly incorporating the directions of the Hon'ble High Court and the work of the Tree Expert Committee (hereinafter mentioned as TEC) was carried out as per the process elucidated in the MOP.
2. The Tree Officer & Deputy Conservator of Forests, Bengaluru Urban Division submitted his preliminary assessment regarding the application filed by Bangalore Metro Rail Corporation Ltd (BMRCL) pertaining to 39 number of trees standing in the project area at Kothnur Depot entry line (Reach-6) Phase-2. The preliminary assessment was accompanied by following documents.
 - i. A copy of the application dated 27.11.2020 from BMRCL along with details and map of the area and the tree details including GPS coordinates.
 - ii. The public notice dated 30.11.2020 issued by the Tree Officer, a complete set of the objections from the public and a copy of the proceedings dated 14.12.2020 of the Tree Officer regarding consideration of the objections as per Section 8(3)(vii) of the Karnataka Preservation of Trees Act, 1976 (Henceforth referred as KPT Act).
 - iii. Tree Assessment Forms in Template-2 with Part-I (dated 13.12.2020) containing tree details as furnished by Range Forest Officer and Part II (dated 14.12.2020) containing preliminary assessment of the Tree Officer for each of 39 trees proposed for removal by BMRCL.
 - iv. Abstract of the review of the BMRCL application and preliminary assessment of trees by the Tree Officer in Template-3 Part-I.
 - v. A statement prepared by Tree Officer showing the tree details along with preliminary assessment and justification for on-site retention / translocation / felling of trees.

Copies of the public notice, proceedings of the Tree Officer regarding consideration of the objections and his findings, and preliminary assessment of trees are attached to the report as Annexure-1 to Annexure-3.

Review of the BMRCL application, objections/suggestions in response to Public Notice, and findings of Tree Officer:

3. The BMRCL application, public notice, all objections/suggestions from the public, findings of the Tree Officer, and his proceedings dated 14.12.2020 were perused systematically by the TEC in its meeting held on 17.12.2020. The TEC noted that the process prescribed in the MOP from Step-1 to Step-3 have been followed scrupulously by the Tree Officer. The TEC observed that total 02 number of objections/suggestions have been received in response to the public notices issued. One person has suggested for translocation of all the trees to the nearby lake beds, while the other one is in favour of implementing the project. Regarding these subjects, it was enquired from Tree Officer and he responded that utmost efforts are being taken to maintain the greenery of Bengaluru and the provisions of KPT Act, 1976 envisaging issue of

Public Notice to invite the objections/suggestions from the public are being followed and the same are being considered by the Tree Officer. The TEC concurred with the replies furnished by the Tree Officer regarding the objections/suggestions received in response to public Notice.

4. The TEC sought and reviewed the presentation made by Chief Engineer, Social and Environment Management Unit, BMRCL regarding the project details, necessity for removal of the trees given the project alignment, possibility of retaining the trees while carrying out the project construction, etc. The Chief Engineer emphasized that Metro Projects being a mass rapid transit system, seeks to set up a convenient, efficient, safe and sustainable mode of public transport. Its benefits include a shift from private modes of transport to public transport, and thereby a significant reduction in use of private vehicles, other things remaining unchanged. Such modal shift is estimated to have a significant reduction in pollution in the project area. (Reference: "Note on Potential Reduction in Pollution" based on iDeCK's study on "Economic Analysis for 2A and 2B Corridors of Bangalore Metro")

Review of Preliminary Assessment of Trees done by Tree Officer:

5. The TEC examined the preliminary assessment of trees submitted by Tree Officer vide his letter dated 15.12.2020, including the statement exhibiting the tree details, preliminary assessment and justification for on-site retention / translocation / felling. The TEC noted that the documentation of the trees details in Template-2 Part-I and the preliminary assessment as per Template-2 Part-II has been done properly by the Forest Officers as envisaged in Step-4 & Step-5 of the MOP.
6. The TEC firmly deliberated that the first option should be to consider possibility of retention of trees at the site itself. The second option, in the event of the removal being necessary, should be to explore the suitability for the translocation. The felling should be the last option for those trees which cannot be retained on-site and are also not suitable for translocation. The TEC decided to make that assessment through the field inspection of each tree.

The TEC decided to verify the preliminary assessment by Tree Officer and for that purpose scheduled the field inspection on 29.12.2020.

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

Field Inspection by TEC:

8. The field inspection for assessment of trees standing in the project area at Kothnur Depot entry line (Reach-6) Phase-2 area for the Metro project was carried out by the TEC on 29.12.2020.

The Tree Officer and the Representatives of BMRCL were present in the project area with all necessary documents.

Following activities were carried out by the TEC for assessment of each tree in the project area.

- i. Physical verification of the tree number and the associated information collected by the Forest Department Officers in Template 2 Part-I, including tree health / tree defects and general assessment as per provision to section 8(3) of the Act.
- ii. Confirmation regarding those trees being inside the project construction area.
- iii. Review of preliminary assessment of trees made by the Tree Officer in the Template 2 Part-II.

- iv. Discussion with BMRL Representatives to explore possibility of carrying out the construction without removal of trees, and identification of such trees which can be retained on-site.
- v. Assessment of the general conditions of the trees to decide the feasibility of translocation/transplantation.
- vi. Recording of TEC's remarks and recommendations for on-site retention / translocation / felling of trees as stipulated in Template 2 Part-III.

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

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

Post-inspection Review and Report Preparation:

9. Having completed the field inspection on 29.12.2020, the TEC met to review its findings and assessment and further to formulate its recommendations and prepare the report.
10. **On-site Retention:** The Committee identified 06 trees though standing in the project area are not affecting the project activities as their position is abutting the project boundary and can be Retained with pruning of some of the branches.
11. As verified during the field inspection, the remaining 33 trees which have been suggested for translocation and felling are falling within the following physical features of Metro Project and therefore these trees need to be removed from their current location.

Physical Features	Tree Numbers
Construction of Portal pier and erection works. (Located between metro pillar No. DP2-DP6, DP15-DP17, DP22-DP23, DP37 & DP40-DP44)	2, 3, 4, 5, 6, 7, 8, 9, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, S1, S2, S3 & S4 Total – 30 Nos.
Construction of pile and pile cap works. (Located between metro pillar No. DP15-DP17 and DP42-DP43)	11, 12 & 32 Total – 03 Nos.

12. **Translocation:** The next option considered by the TEC is about the trees which can be translocated.

While finding suitability of the trees for translocation, the TEC considered the following conditions, in addition to the tree health / tree defects, etc., recorded in the Template-2 Part-I

- i. Proximity of tree to building structures, trunks proximity to the cement / concrete or tarred surface.
- ii. The trees having below stated characteristics did not qualify for translocation.

Trees having forked trunk, major wounds on the trunk, debarking, physical damage on the bark, scar due to fire, damage (girdling), rotting due to fungal infection (fruiting bodies of fungus, rotten core, hollowness) or pest infestation (presence of holes and frass as evidence of insect infestation), and dead / dried major branches, etc.

- iii. Other aspects of species viz., economically important species, species that could provide food (nectar, pollen, seeds and fruits) and nesting sources (materials and site) to various fauna.
- iv. The availability of effective zone to extract the root-ball of sufficient size. The trees in the above category (ii) and those without adequate effective zone to extract the root-ball were specifically not recommended for the translocation.

Taking into consideration of the above mentioned assessment attributes, the TEC found that there are 18 number of trees at the said site found suitable for translocation.

The remaining 15 trees were not found to be suitable either for retention on-site or translocation, and hence will have to be felled.

13. **Assessment of sites for Translocation:** Having completed the above assessment of trees at the project area, the Committee visited the following site proposed by BMRCL and recommended by the Tree Officer for translocation of trees.

A. Kothnur Horticultural Internal Area.

BMRCL have recently suggested another area as follows which has been recommended by the Tree Officer for translocation of trees purpose.

B. Kempegowda International Airport Area, Bengaluru.

The Committee considered the soil test analysis report of the proposed Kothnur Horticulture Farm (vacant sites away from the project area) as prepared by Department of Soil Science and Agricultural Chemistry, UAS, GKVK, Bangalore with following Inference;

"The soil samples provided for analysis are slightly acidic to neutral in nature, low in salt content and organic matter content and contain low quantities of major nutrients (N,P,K and all other parameters as per standard). Therefore, with proper nutrient application soil is suitable for tree shifting."

The TEC concurred with the said reports of UAS, Bengaluru and found that translocation of trees can be done in the proposed site vide para 13(A) above after following the advice as rendered by UAS, Bengaluru. The TEC also concurs with the recommendation of Tree Officer regarding translocation of trees at site vide 13(B) above.

14. **Recommendations of TEC:** The TEC carried out a thorough and multipronged scrutiny of all the trees to make its recommendations regarding:
 - a) Trees which could be saved by retaining on-site as it is;
 - b) Trees which should be translocated depending upon their general condition as assessed and ecological importance, in the event of (a) above not being possible;
 - c) Trees recommended for removal in the event of (a) and (b) not being possible including the trees which are silviculturally matured or softwood trees and trees suffering from defects / damages.

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

Total number of Trees assessed in the project area	39
Total number of Trees which can be retained on-site	06
Total number of Trees found suitable for translocation	18
Total number of Trees assessed for felling	15*

***Note:** Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.

The translocation should be carried out by competent agencies following the guidelines formulated by UAS, GKVK, Bangalore a copy of which is placed as Annexure -7.

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


- Meticulous scrutiny of recommendations by the Tree Officer in compliance to the MOP;
- Field inspection to assess each and every tree and record the status of tree and recommendation for its on-site retention/translocation/felling and inspection of the translocation site as mentioned in para 13(A) above.

Directions to BMRCL/DCF, Bengaluru Urban Division:

16. BMRCL should be advised to raise Compensatory Afforestation on suitable lands in respect of trees to be removed by translocation or felling. For each tree removed, 10 Nos of tall healthy saplings should be planted and properly maintained for a period of 3 years. Periodic status reports must be submitted by BMRCL to the Tree Officer. It should be ensured that the greenery of Bengaluru is preserved and enhanced through effective maintenance of planted saplings, translocated trees and standing trees under all circumstances.

Record keeping:

- The Tree Officer is advised to maintain full records of the BMRCL application, its processing, field inspection, etc., for a minimum period of 3 years. The information collected in various templates suggested in the MOP, especially Template-2 Part-1 to IV, should be maintained carefully.
- An abstract of the recommendation of the TEC in Template No.4 and a detailed statement containing the recommendations with justification for each of the 39 trees covered in the application are appended as Appendix to this report.


Member - Secretary, TEC
& Asst. Conservator of Forests, BBMP, Bengaluru.
Assistant Conservator of Forests
BBMP, Bangalore.

ANNEXURE-1

**Social Sciences
Professor
Raj Chetty**
Harvard University

Covid-19 pandemic, Murthy clarified "no specific discussion" had been held with the jury about the pandemic and its influence on choosing winners.

Dr Raj Chetty, Professor of Economics at Harvard, is noted for identifying barriers to economic opportunity - which is applicable to the Covid-19 outbreak. His work examines how Coronavirus is affecting economies each day in each neighborhood and state," said Bhavita Mehra, General Manager, Infosys Science Foundation.

Huttonian Dr Pradeep Deshpande of the Centre for Studies in Social Sciences (CSSS), who noted that "how we live in the 21st century will be understood by how people react to not just microbes but also lockdowns," and that communication to all researchers is key.

The prize carries a purse of \$1,00,000 each.

Authority counts

According to the petitioner, there was gross violation of Prevention of Money Laundering Act (PMLA) since the matter was not even taken before the adjudicating authority within 30 days of the seizure.

The counsel representing the Union government submitted that the activities of the petitioner had been under watch under successive governments for the past eight years. The counsel further added that the petitioner has alternative remedies under the PMLA, adjudicating authority and the appellate tribunal.

Border area authority gets new chief

BENGALURU, DHNS: The state government has appointed former IAS officer C Somashekar as the chairperson of the Karnataka Border Area Development Authority, a body dedicated to improving 52 identified border taluqs. Somashekar retired in 2014 as the secretary to the cooperation department.



Office of the Deputy Conservator of Forests
Bangalore Urban Division, Aranya Bhavan Complex, 18th cross, Malleshwaram, Bangalore-560003
Telephone: 080-23343464 Email ID: dcubd2@yahoo.co.in

Non-A9/Tree cutting- Metro ICR-34/2020-21 Date: 30-11-2020

Public Notice

This is to bring to your notice of all citizens of Bangalore Urban District that Metro Rail Corporation Limited, had submitted the application to the undersigned for removal of trees in Kothnuru Depot Entry Line, Hulimavu Horticulture Farm, Bannerghatta, Bangalore. Details as given below:

Name of the project	Construction of Elevated structures (Viaduct and stations) length 7.5 km (Approx) from Gattigere-Swagath Road Cross including Kothnuru Depot Entry Line, Road Widening & allied works and 5 numbers of Metro stations viz. Gattigere, Hulimavu, HMRB, J.P Nagar 4th Phase, Swagath Road Cross in Reach-6 (Elevated) line of Bangalore Metro Rail project Phase-2		
Agency	Bangalore Metro Rail Corporation Limited		
Purpose for removal of tree(s)	Intending construction activities of Metro Rail Project and Traffic movement		
Description of the area with clear demarcation of boundaries or with GPS readings	Kothnuru Depot entry line. Total Length-645 mts		
	Latitude	Longitude	
	1 12 deg 52 min 35.1912 sec	77 deg 35 min 41.507 sec	Starting Point
Total no. of trees standing in the project area	2 12 deg 52 min 45.4572 sec	77 deg 35 min 24.781 sec	Ending point
	Description of trees, Species, location. Area Map etc are provided in the website of BMARL information of all (www.btmpr.gov.in)		
Total no. of trees proposed to be removed	30 (Annex-1)		
Mode of communication of comments	Public can send their comments either by E-mail Post / Hand Address: The Deputy Conservator of Forests, Bangalore Urban Division, Aranya Bhavan Annex- 7th Cross, Malleshwaram, Bangalore-560003. Email ID - dcubd2@yahoo.co.in Document can be verified in the doc of the order signed during office hours.		
Deadline for filing objections	Ten (10) days from the date of Publication of this notification *Comments should be relevant and specific to the project		

In this background suggestions and objections invited from all citizens in terms of section 8(3)(vi) of The Karnataka Preservation of Trees Act 1976.

Sd/- Deputy Conservator of Forests,
Bangalore Urban Division, Bangalore.

SPRODU/19/11/2020/2021

STAY PROTECTED FROM COVID-19. NO CARELESSNESS UNTIL THERE IS A CURE



NOTIFICATION

The Karnataka Electricity Regulation Commission has invited applications to fill up (Technical), Deputy Director (Technical) in the matter is a <https://karnataka.karnataka.gov> candidates may apply for the post

CENTRAL GOVERNMENT, TELECOM AND EMPLOYEES HOUSING CO-OPERATIVE SOCIETY
Regn. No. HRG-2/155/1982

102, 1st Floor, 1st Main Road, Near to Kothnuru Depot
Phone: 951 89 2247799 Fax: 080-23343464
email: coo@centralgovt.org, centralgovt.org

RAJIV GANDHI HEALTH SCIENCE
4th T Block, Jayanagar, Bangalore
Ph: 080-25961828, Fax: 080-25961829
No. RGUPRO/REG/HEALTH/155/2020

E-TENDER NOTICE

The Registrar, Rajiv Gandhi University invites tender for Renewal of Revision 8.X to latest version (Open for the support, upgradation and Software and maintenance of RGUHS for Three years. More details provided in the attached Terms of document available for download 17.30 Hrs. (2) Pre-bid meeting: (3) Last date for Receipt of Tender: (4) Opening of Technical Bid: (5) Place of opening the tender: RG details can be fetched from <https://rajivgandhiuniversity.org>



DECCAN HERALD 03/12/2020

ed to immobilise high-tech
technology. "Social
media will continue to be the
site of choice for the battle
narratives," he said.
Lt Gen (Saini) said the Co-
VID-19 pandemic has impacted

will become the "first respon-
ders" during such health fi-
scuses. Technology-enabled
solutions for ungraded iden-
tification, control and man-
agement of such threats are
needed", he added.

Images depicted a large Chi-
nese buildup in the Golan
Valley, including potentially
1,000 PLA soldiers, the week
before the deadly skirmish,"
the report added.
The USCC is said to have

had multiple physical clashes
along their border even ear-
lier. "Since general secretary Xi
assumed power in 2012, the
two countries have seen five
major altercations along
their border".

nation service to users in In-
dia as well as the region ex-
tending up to 1,300km from its
boundaries. Under complete
Indian control, NavIC can be
used for terrestrial, aerial
and marine navigation, di-
aster management, tracking

Quikcom is making chips.
The government is looking at
building integrated receivers
that can further commercialise
the indigenous system. These
receivers can be used across
sectors, and NavIC will become
more commercial."

KARNATAKA STATE REMOTE SENSING APPLICATIONS CENTRE
Department of Personnel and Administrative Reforms (e-Governance),
Government of Karnataka, "Doors Samvedi Bhavana",
Major Sandeep Unnikrishnan Road, Doddabettahalli, Bengaluru-560 097
Ph: 080-29720557/58 Fax: 080-29720556

No: KSRBAC/128/M.Tech/2020 Date: 02-12-2020

Visvesvaraya Technological University Extension Centre,
Karnataka State Remote Sensing Applications Centre (KSRBAC)
Department of Personnel and Administrative Reforms (e-Governance), Govt.
Shantinagar, Bengaluru - 560 027. Ph: 22272722. Website: www.karsac.in
www.karnataka.gov.in/karsac; e-mail: karsac-govt@karnataka.gov.in

**Admissions for
M.Tech (Geo-Informatics) Course - 2020-21**
(Two Year Full-time Programme)

Eligibility : B.E (Civil Engg.), B.E (Computer Science/Information Science Engg.)
and B.E. (Environmental Science Engg.)

Scholarship : Scholarship of Rs.5,000/- per month for a period of 10 months per year
will be provided to the students who are admitted to this course, and
not getting any other type of scholarship.

Admission : PGCEY through Karnataka Examinations Authority, Govt. of Karnataka
(No Management quota)

Sd/-
Director, KSRBAC

STAY PROTECTED FROM COVID-19: NO CARELESSNESS UNTIL THERE IS A CURE

Wear Mask Follow Physical Distancing Maintain Hand Hygiene

THE ODISHA MINING CORPORATION LIMITED
OMC House, Bhudameran-751001, Odisha
CIN: U11000OR1998OC000212, www.omcltd.in

NOTICE Date: 02.12.2020

Portant to Advt. No. 489 OMC dated 28.02.2020 regarding recruitment of 124
Non-executive posts in OMC Ltd. this is for information of all candidates that a
"Mock Test" questionnaire is being uploaded in OMC website (http://omcltd.in) to help
candidates familiar with the interface of Computer Based Test (CBT) to be conducted from
08.12.2020 to 11.12.2020 and 14.12.2020.

The questions in the Mock Test are only for reference purpose and have no connection
to the questions appearing in the CBT. The Mock Test link will also be sent to applicant's
registered e-mail ID.

Sd/-
General Manager (P&A)

NB : Candidates are advised to check the OMC website (http://omcltd.in) regularly for
important instructions / notifications relating to the online Computer Based Test.
OMC - 2020/1998/120-21

KARNATAKA ELECTRICITY REGULATORY COMMISSION
No. 14, 1st Floor, 1st Stage, 1st Cross, 1st Main Road, Bengaluru-560 002
Ph: 080-22558771/72/73 Fax: 080-22558772
e-mail: kerc@kerc.in Website: www.karnatakaregulatorycommission.com

No. KERC/DO/A/187/1920-21/967 Date: 02.12.2020

NOTIFICATION

The Karnataka Electricity Regulatory Commission
has invited applications to fill up the post of Director
(Technical), Deputy Director (Tariff) and Assistant.
Detailed notification in the matter is available in KERC website
https://karunadu.karnataka.gov.in/kerc Interested
candidates may apply for the post on or before 02.12.2020

OPPAL
oppal@k2@gmail.com
Date: 27.11.2020

Office of the Deputy Conservator of Forests
Bengaluru Urban Division, Ananya Bhawan Complex, 18th cross,
Malleshwaram, Bengaluru-560003
Telefax: 080-23343484 Email ID: dcfurban2@yahoo.co.in

No: A9/Tree cutting-Metro/CR-34/2020-21 Date: 30-11-2020

Public Notice

This is to bring to your notice that all citizens of Bengaluru Urban District, that Metro Rail Corporation
Limited had submitted the application to the undersigned for removal of trees in Kothur Road
Entry Line, Hulimavu Horticulture Farm, Bannerghatta, Bengaluru. Details as given below:

Name of the project Construction of Elevated Structures (Viaduct and stations) length 7.5
km (Approx) from Goltigere-Swagath Road Cross including
Kothur Road Entry Line, Road Widening & allied works and 5
numbers of Metro stations viz. Goltigere, Hulimavu, IIMB,
J.P Nagar 4th Phase, Swagath Road Cross in Reach-6
(Elevated) line of Bengaluru Metro Rail Project Phase-2.

Agency Bengaluru Metro Rail Corporation Limited

**Purpose for removal
of trees(a)** Involving construction activities of Metro Rail Project and
Traffic management

**Description of the area
with clear demarcation
of boundaries or with
GPS bearings** Refer to Survey Report only line, Total Length-555 mts

	Latitude	Longitude	
1	12 deg 52 min 35.1912 sec	77 deg 35 min 41.607 sec	Starting Point
2	12 deg 52 min 45.4372 sec	77 deg 35 min 24.781 sec	Ending point

Description of trees 28 (30/10/20)

- Total no. of trees standing in the project area
- Total no. of trees proposed to be removed 38 (Annex-I)

Mode of communication of comments Public can send their comments either by E-mail Post / Hand
Address: The Deputy Conservator of Forests, Bengaluru Urban
Division, Ananya Bhawan Annex, 18th Cross, Malleshwaram,
Bengaluru-560003. Email ID: dcfurban2@yahoo.co.in
Document can be verified in the office of the undersigned
during office hours.

**Deadline for filing
objections** Ten (10) days from the date of Publication of this notification
*Comments should be relevant and specific to the project

In this background suggestions and objections invited from all citizens in terms of section 8(3)(vi)
of The Karnataka Preservation of Trees Act 1975

Sd/- Deputy Conservator of Forests,
Bengaluru Urban Division, Bengaluru.

STAY PROTECTED FROM COVID-19: NO CARELESSNESS UNTIL THERE IS A CURE

Wear Mask Follow Physical Distancing Maintain Hand Hygiene

Office of the Deputy Conservator of Forests
Bengaluru Urban Division, Ananya Bhawan Complex, 18th cross,
Malleshwaram, Bengaluru-560003
Telefax: 080-23343484 Email ID: dcfurban2@yahoo.co.in

No: A9/Tree cutting-Metro/CR-190/2020-21 Date: 30-11-2020

Public Notice

This is to bring to your notice of all citizens of Bengaluru that Metro Rail Corporation Limited

ಪಿಣ್ಣು, ಮುಚ್ಚು-
ಮೊದ್ದಣ, ತೈಲ
ಈ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಹೂಡಿ
ಮುಟ್ಟಿ, ಕುರುಗುವುದಕ್ಕೆ
ಮಾಡುವುದು.
ಇದನ್ನೇ ಹುಟ್ಟು ಹೂವು
ಎಂದು 10,000 ವರೆಗೆ

ಸಂಸ್ಥೆಯಲ್ಲಿ ಮಹಿಳೆಯರ
 ಅಭಿವೃದ್ಧಿ ಮುಖಾಂತರವಾಗಿ ಬಂದಿದೆ
 ಸೇವೆಯನ್ನು ಗ್ರಾಹಕರ ಪೂರ್ಣ ಮನುಷ್ಯತ್ವವನ್ನು
 ದೃಢ ಅರಿವಿನಿಂದ ಮುಂದುವರಿಸಲಾಗಿದೆ
 -ಸಿಬಿಎಸ್ ಬಿಬಿ
 ಕೈಗಾರಿಕಾಪಟ್ಟಿ ಅಭಿವೃದ್ಧಿ

ಅವು ಕೆಲವು ಮುಖ್ಯವಾದವುಗಳೆ
ಮುಖ್ಯವಾದವುಗಳನ್ನು ಒಟ್ಟಿಗೆ
ರಾಜ್ಯ ಬಿಡುಗಡೆಗಾಗಿ.

ಸೈಬರೀಕಾ ಇಲಾಖೆ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿ

[illegible]

‘ಬಿಜೆಪಿ ಕಳುಹಿಸಿಕೊಟ್ಟ ‘ದೊಡ್ಡಮೊತ್ತ’
ಹಣವೇ ಅಥವಾ ಬಿಳಿ ಹಣವೇ?’

ಯಾಂಗ ತನಿಖೆಗೆ ಕಾಂಗ್ರೆಸ್ ಆಗಹ

[illegible]

೦೨೫೫೫ ಮಾಸ್ಕುತೆ ಸಮೀಕರಣಕ್ಕೆ 5 ವರ್ಷ ನಿಬಂಧನೆ ಬೇಡ

[illegible][illegible]

2018/12/20

ANNEXURE-2

Proceedings of Tree Officer & DCF, Bengaluru Urban Division

Subject: Objections / Suggestions from the public regarding removal of trees from area of Kothanur Depot Entry Line.

Application No: BMRCL/PH-2/R6(Ele)/F-203/ 20-21/(R6-CC-01)/ 2697 **Date: 14.12.2020.**

This Office letter No: A9.tree cutting/BMRCL/CR-34/2020-21

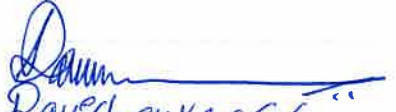
1. Bangalore Metro Rail Corporation (BMRCL) had applied on 27-11-2020 under section 8(2) of the Karnataka Preservation of Trees Act (henceforth mentioned as the Act) seeking permission to remove **39** trees from the area of **Kothanur Depot Entry Line** of Reach-6.

2. A Public notice was issued on 30-11-2020, as required under section 8(3)(vii) of the Act, inviting objections from the public within 10 days from the date of publication of the notice. The notice appeared in Deccan Herald, Vartha Bharathi, The Times of India Newspapers and Vijaya Karnataka on 03-12-2020. The details of the project area, total number of trees, total number of trees to be removed, GPS coordinates and physical details of those trees were also uploaded on the website www.bbmp.gov.in of BBMP to facilitate access to the relevant information to the public. These details were also made available in the office of the undersigned during the working hours.

In response to the notice, one suggestion and one observation was received. The suggestion is for translocating all 39 trees based on assessment by experts / NGOs using objective criteria. In particular, Arakere lake has been suggested as a possible site for the translocation. But when on-site retention is not possible, priority is given for translocation. Only in the event of the translocation not being feasible or practical, tree felling is permitted. The observation is in support of the project, and that is noted.

3. The extent of compensatory plantation would be in ratio of 1:10.

4. The suitability of each tree for on-site retention or translocation should be assessed through inspection and the findings along with these proceedings should be placed before the Tree Expert Committee.


(.....**Ravishankar S.S.**.....)

Tree Officer

&

Deputy Conservator of Forests
Bengaluru Urban Division


Annexure

Application No: BMRCL/PH-2/R6(Ele)/F-203/ 20-21/(R6-CC-01)/ 2697

Date: 14.12.2020.

This Office letter No: A9.tree cutting/BMRCL/CR-34/2020-21

Remarks of Tree Officer to the objections/Suggestions Received from the Public for Kothanur Depot Entry Line			
Sl No	Name & Date	Objection/Suggestion from Public	Remarks and findings of Tree officer
1	sundar V <sundarpriya1@gmail.com 03.12.2020	Subject: No : A9/Tree cutting-Metro/CR-34/2020-21 dated 30/11/2020 regarding 39 trees proposed to be removed Respected Sir/ Madam, I have a suggestion regarding the 39 trees proposed to be removed. We can move good old trees like banyan tree to the lakes like Arekere. Right now people are dumping garbage and construction waste into lake beds. By evaluating trees, we can select the worthy trees based on age, present condition, and transplant the trees to lake beds particularly ones under threat. Appropriate CSR (corporate social responsibility) credit can be given to BMRCL or their contractor like L&T , Simplex towards cost of shifting trees. We can leave out eucalyptus trees as they are huge consumers of ground water. Your office in capacity as expert (forest conservation) can engage with NGO as a expert and take the criteria to eliminate trees based on age / condition/ type and select & recommend the trees for transplant to other lake beds. Here is the link to the huge tree moved couple of years back to the arekere lake https://m.timesofindia.com/city/bengaluru/60-yr-old-tree-weighing-30-tonnes-transplanted/amp_articleshow/68604719.cms	The suggestion is noted. When on-site retention is not possible, priority is given for translocation. Only in the event of the translocation not being feasible or practical, tree felling is permitted. In both cases, compensatory plantation in ratio of 1:10 cv cv is taken-up.
2	Sowbhagya Lakshmi <sowbhagya784@gmail.com 12.12.2020	Namma metro is awesome. It is one of the coolest things in the cities where there is more traffic.	The observation is noted.


Tree Officer and
Deputy Conservator of Forest
 Tree Officer
 Bangalore Urban Division,
BANGALORE.

Deputy Conservator of Forest
 Bengaluru (Urban) District

ANNEXURE-3

Submission of preliminary assessment by Tree Officer to Tree Expert Committee in respect of application number BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697 dated 27.11.2020 of BMRCL for removal of 39 trees from Kothnur Depot entry line area (Reach-6) Phase-2.

Date: 15.12.2020

- Ref: 1. Case/Application No: BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697 dated 27.11.2020.
2. This Office letter No: A9.tree cutting/BMRCL/CR-34/2020-21

To,

The Member-Secretary
Tree Expert Committee
Bengaluru City
&
Assistant Conservator of Forests
BBMP, Bangalore.

Sir,


1. Bangalore Metro Rail Corporation (BMRCL) had applied on 20.11.2020 under section 8(2) of the Karnataka Preservation of Trees Act (henceforth mentioned as the Act) seeking permission to remove **39** trees from the area of Kothnur Depot Entry Line of Reach-6.
2. A public notice in the Template I was issued on 30.11.2020 as required under section 8(3)(vii) of the Act, inviting objections from the public within 10 days from the date of publication of the notice. The notice appeared in Deccan Herald, Vartha Bharathi, The Times of India Newspapers and Vijaya Karnataka on 03-12-2020. The details of the project area, total number of trees, total number of trees to be removed, GPS coordinates and physical details of those trees were also uploaded on the website www.bbmp.gov.in of BBMP to facilitate access to the relevant information by the public. These details were also made available in the office of the undersigned during the working office hours.
3. In response to the notice, one suggestion and one observation was received. The suggestion is for translocating all 39 trees based on assessment by experts / NGOs using objective criteria. In particular, Arakere Lake has been suggested as a possible site for the translocation. The observation is in support of the project, and that is noted.
4. I have also arranged to get the relevant information compiled and assessment of each tree carried out by the officers of Forest Department in the Template- 2 Part I for all the trees proposed to be removed.
5. Thereafter, all 39 trees were inspected personally by me on 14.12.2020, The concerned engineers of BMRCL in charge of the metro work in this area and the officers of the Forest Department accompanied me for the inspection. During the inspection, I had specifically verified, with assistance of the BMRCL engineers, location of each tree with reference to the project boundaries and the necessity of removal of the tree. While making that assessment I have considered whether enough space as "tree protection zone" will be available, if a particular tree is to be retained at its present location.

6. During the inspection, I also carried out veracity of the information regarding assessment of each tree compiled by the officers of the Forest Department. Due attention was paid for proper assessment of the tree health / tree defects and general assessment as per proviso to section 8(3) of the Act.
7. For each tree I made a preliminary assessment regarding suitability, in order of priority, for its (i) on-site retention, (ii) translocation, and (iii) felling. The same was recorded in the Template 2 Part II for each tree.
8. After carrying out the above detailed inspection and the assessment, I have drawn up the proceedings of my consideration of the objections received from the public in response to the public notice. A set of the public notices, a complete set of the objections and a copy of the proceedings dated 14.12.2020 of my consideration are enclosed to this submission.
9. The "Tree Assessment Forms" with duly filled in Part I and Part II of the Template 2 for each tree proposed to be removed by the project authority, are enclosed to this submission. Total 39 numbers of Forms are enclosed.
10. A statement containing the tree details, preliminary assessment and justification for on-site retention/translocation / felling of 39 trees is enclosed as Annexure.
11. The BMRCL has provided the area/locations/sites of the translocation of the trees on 04-12-2020 & 12.12.2020 along with the soil reports by UAS GKV University.
 - (i) Horticulture Internal Area.
 - (ii) Kempegowda International Airport Limited(KIAL)

These sites are inspected by me on 14-12-2020 along with BMRCL representatives; with proper amendment application soil is suitable for tree shifting.

12. It is requested that the above information and the documents may kindly be placed before the Tree Expert Committee for consideration and appropriate opinion and recommendations at an early date.

Thanking you.


 Tree Officer and
 Deputy Conservator of Forests
 (...Bangalore Urban Division)
 BANGALORE
 Tree Officer
 &
 Deputy Conservator of Forests
 Bengaluru (Urban) Division

Annexure statement detailing the tree details, preliminary assessment and justification for on-site retention / translocation / felling

Date. 15.12.2020

Case / Application No.: BMRCL/PH-2/R6(Ele)/F-203/20-21 (R6-CC-01)/2697

Project Area: **Kothnur Depot Entry Line, Reach-6 Elevated**

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
1	1	Jackfruit	0.92	8.00	6.00	Tree is present between Depot entry line pillar No. DP 2 & DP 3 and it is at the edge of the boundary on LHS of the alignment. The tree is young and of good health with minor modification in construction activities, the tree can be retained. Hence recommended for retention.
2	2	Ashok tree	0.55	11.00	2.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
3	3	Ashok tree	0.55	8.00	2.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
4	4	Ashok tree	0.53	12.00	2.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
5	5	Ashok tree	0.57	11.00	1.50	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
6	6A	Ashok tree	0.47	10.00	2.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects,

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
						Hence recommended for felling.
	6B	Ashok tree	0.47	6.00	2.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects, Hence recommended for felling.
7	7A	Ashok tree	0.67	9.00	1.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
	7B	Ashok tree	0.63	10.00	1.00	Tree is present between Depot pier no: DP2 & DP3 on RHS of alignment. Tree with minor defects is obstructing the construction of piercap, erection works and also road works, hence the tree has to be removed. Since the tree is not fit for translocation due to the minor defects. Hence recommended for felling.
8	8A	Jackfruit	1.3	8.00	6.00	This tree is forked near to Depot pier no: DP4 with two branches in the bottom being numbered as 8A and 8B on LHS of alignment and is infringing construction of pier cap, erection works and also road works. Since 8B is looking healthy and got sufficient applicable size of root ball. Hence recommended for felling
	8B	Jackfruit	1.32	10.00	6.00	This tree is forked near to Depot pier no: DP4 with two branches in the bottom being numbered as 8A and 8B on LHS of alignment and is infringing construction of pier cap, erection works and also road works. Since 8B is looking healthy and got sufficient applicable size of root ball. Hence recommended for translocation
9	9	Jackfruit	1.48	8.00	7.00	This tree is situated near by DP5 on LHS of alignment and is infringing construction of pier cap, erection works and also road works. Since it is looking healthy and it is possible to get applicable size of root ball. Hence recommended for Translocation
10	10A	Mango tree	0.56	5.00	5.00	This tree is present between DP7 & DP8 on RHS of alignment which will affect the construction activity of road works. Hence recommended for felling.

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
	10B	Mango tree	0.47	5.00	5.00	This tree is present between DP7 & DP8 on RHS of alignment which will affect the construction activity of road works. Hence recommended for felling.
11	11	Spethodia	1.1	10.00	5.00	Tree is present near to Depot pier no. DP16 at a distance of 0.20m from the center line of alignment on RHS and infringing piling, pilecap and pier works of DP16. Since the tree is looking healthy recommended for translocation. Hence recommended for Translocation
12	12A	Benjaniyam	Bush	4.00	2.50	Tree is present near to Depot pier no. DP16 on LHS of alignment and infringing piling, pilecap and pier works of DP16. The tree is healthy and suitable for translocation. Hence recommended for Translocation
	12B	Benjaniyam	Bush	4.00	2.50	Tree is present near to Depot pier no. DP16 on LHS of alignment and infringing piling, pilecap and pier works of DP16. The tree is healthy and suitable for translocation. Hence recommended for Translocation
13	13	Benjaniyam	Bush	4.00	2.50	Tree is present between Depot pier no. DP16 & DP17 on LHS of alignment and infringing median and road works. The tree is healthy and suitable for translocation. Hence recommended for Translocation
14	14A	BettadaNelli	0.63	7.00	3.00	Tree is present between Depot pier no. DP22 & DP23 on RHS of alignment and infringing erection works and road works. Hence recommended for Translocation.
	14B	BettadaNelli	0.47	8.00	5.00	Tree is present between Depot pier no. DP22 & DP23 on RHS of alignment and infringing erection works and road works. Hence recommended for Translocation.
15	15A	BettadaNelli	0.59	7.00	4.00	Tree is present between Depot pier no. DP22 & DP23 at a distance of 0.40m from the center line of alignment on LHS and infringing erection works and road works. The tree is healthy and fit for Translocation. Hence recommended for Translocation
	15B	BettadaNelli	0.40	5.00	2.00	Tree is present between Depot pier no. DP22 & DP23 at a distance of 0.40m from the center line of alignment on LHS and infringing erection works and road works. Hence recommended for Felling.

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
16	16	Jackfruit	0.74	7.00	8.00	Tree is present near Depot pier no. DP29 on RHS of alignment and it is infringing erection works and road works. This tree is on the boundary and can be saved by minor alteration in the work space area. Hence recommended for retention.
17	17	Jackfruit	0.82	10.00	10.00	Tree is present near to DP37 on LHS of alignment and it is infringing the piercap, erection works and road works. Since the tree is healthy, fit for translocation. Hence recommended for Translocation
	18A	Dalchni	0.60	4.00	3.00	Tree is present between DP07 & DP8 on LHS edge of alignment and it is infringing the erection & road works. After trimming the forked branch of the Tree (18A), this can be saved with minor modification. Hence recommended for Felling.
18	18B	Dalchni	0.67	5.00	5.00	Tree is present between DP07 & DP8 on LHS edge of alignment and it is infringing the erection & road works. After trimming the forked branch of the Tree (18A), this can be saved with minor modification. Hence recommended for retention.
19	19	Jackfruit	0.8	10.00	10.00	Tree is present between DP41 & DP42 on LHS of alignment and it is infringing the erection & road works. Since the tree is on the boundary, with minor modification in the work area, tree can be saved by way of retention. Hence recommended for retention.
20	20A	Jackfruit	1.1	8.00	10.00	Tree is present near DP44 on RHS of alignment and it is infringing the portal & road works. This tree is on the boundary of the alignment, with minor modification in the work area, tree can be saved by way of retention. Hence recommended for retention.
	20B	Jackfruit	1.13	8.00	8.00	Tree is present near DP44 on RHS of alignment and it is infringing the portal & road works. This tree is on the boundary of the alignment, with minor modification in the work area, tree can be saved by way of retention. Hence recommended for retention.
	20C	Jackfruit	1.2	8.00	8.00	Tree is present near DP44 on RHS of alignment and it is infringing the portal & road works. This tree is on the boundary of the alignment, with minor modification in the work area, tree can be saved by way of retention. Hence recommended for retention.
21	21	Butter fruit	0.86	7.00	6.00	Tree is present near to DP44 on LHS of alignment and it is infringing the portal pier, erection & road works. The tree has to be cleared. Since the tree is healthy, it can be translocated. Hence recommended for Translocation

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
22	22A	Cashew nut	2.2	7.00	10.00	Tree is present near to DP44 on LHS of alignment and it is infringing the portal pier, erection & road works. The tree has to be cleared. The tree is diseased with decayed bark, do not qualify for translocation. Hence recommended for felling.
	22B	Cashew nut	1.9	7.00	10.00	Tree is present near to DP44 on LHS of alignment and it is infringing the portal pier, erection & road works. The tree has to be cleared. The tree is diseased with decayed bark, do not qualify for translocation. Hence recommended for felling.
23	23	Nelli	1	10.00	5.00	Tree is present near to DP03 on RHS of alignment and it is infringing the piercap, erection & road works. The tree has to be cleared. Since the tree has severe girdling on one side by the adjacent building with dried branches cannot be translocated. Hence recommended for felling.
24	24	Ashok tree	0.37	7.00	2.00	Tree is present between DP02 & DP03 on RHS of alignment and it is infringing erection/deck slab & road works. Since the tree is not fit for translocation due to the minor defects, recommended for felling. Hence recommended for felling.
25	25	Ashok tree	0.42	6.00	2.00	Tree is present between DP02 & DP03 on RHS of alignment and it is infringing erection/deck slab & road works. Since the tree is not fit for translocation due to the minor defects, recommended for felling. Hence recommended for felling.
26	26	Ashok tree	0.47	10.00	1.00	Tree is present between DP02 & DP03 on RHS of alignment and it is infringing erection/deck slab & road works. Since the tree is not fit for translocation due to the minor defects, recommended for felling. Hence recommended for felling.
27	27	Ashok tree	0.37	7.00	1.00	Tree is present between DP02 & DP03 on RHS of alignment and it is infringing erection/deck slab & road works. Since the tree is not fit for translocation due to the minor defects, recommended for felling. Hence recommended for felling.
28	28A	Dalchni	0.4	2.50	1.00	Tree is present between DP05 & DP06 at a distance of 0.2m from the center line of alignment on RHS and it is infringing erection/deck slab & road works. This tree is young and healthy having economical importance may be translocated. Hence recommended for Translocation
	28B	Dalchni	0.3	2.00	1.00	Tree is present between DP05 & DP06 at a distance of 0.2m from the center line of alignment on RHS and it is infringing erection/deck slab & road works. This tree is young and healthy having economical importance may be translocated.

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
						Hence recommended for Translocation
29	29	Cherry	0.48	3.00	6.00	Tree is present between DP15 & DP16 at a distance of 0.90m from the center line of alignment on LHS and it is infringing erection/deck slab & road works. Since very close to sewage channel (Nala). It is difficult to excavate the root bal. Hence recommended for felling. Hence recommended for felling.
30	30	Nelli	0.45	5.00	2.00	Tree is present between DP21 & DP22 on RHS of alignment and it is infringing erection/deck slab & road works. Since the tree is healthy, it can be translocated. Hence recommended for Translocation
31	31A	Nelli	0.37	7.00	2.00	Tree is present near to DP23 on RHS of alignment and it is infringing piercap, erection/deck slab & road works. Since, the tree is healthy, hence recommended for translocation. Hence recommended for Translocation
	31B	Nelli	0.43	7.00	3.00	Tree is present near to DP23 on RHS of alignment and it is infringing piercap, erection/deck slab & road works. Since, the tree is healthy, hence recommended for translocation. Hence recommended for Translocation
32	32	Jackfruit	0.48	10.00	3.00	Tree is present at DP42 on LHS of alignment and it is infringing pile & pilecap works. Since, this tree is young & healthy, appropriate root ball can be excavated. Hence recommended for Translocation
33	33	Jackfruit	0.42	7.00	5.00	Tree is present between depot pier no. DP42 & DP43 on LHS of alignment and it is infringing erection/deck slab & road works. Since this tree is young & healthy, appropriate root ball can be excavated. Hence recommended for Translocation
34	34	Subabul	0.34	7.00	4.00	Tree is present between depot pier no. DP43 & DP44 on RHS of alignment and it is infringing portal pier, erection/deck slab & road works. Since the tree has less ecological importance, it is unfit for translocation. Hence recommended for felling
35	35	Kunkum	0.34	7.00	4.00	Tree is present between depot pier no. DP40 & DP41 on LHS of alignment and it is infringing erection/deck slab & road works. It is located near the existing vehicle shed and As the tree is young and good, it is fit for translocation. Hence recommended for Translocation

Sl. No	Tree Number	Name of the species	Tree Girth (m)	Height of the tree (m)	Crown Spread (Sq. mt.)	Preliminary Assessment (Onsite Retention/ Translocation/Felling)
36	S1	Sandal	0.2	5.00	3.00	Tree is present between depot pier no. DP42 & DP43 on LHS of alignment and it is infringing piercap, erection/deck slab & road works. The tree is young & healthy and of economical importance. Hence recommended for Translocation
37	S2	Sandal	0.15	5.00	1.00	Tree is present between depot pier no. DP42 & DP43 on LHS of alignment and it is infringing piercap, erection/deck slab & road works. The tree is young & healthy and of economical importance. Hence recommended for Translocation
38	S3	Sandal	0.15	2.50	1.00	Tree is present between depot pier no. DP42 & DP43 on LHS of alignment and it is infringing piercap, erection/deck slab & road works. The tree is young & healthy and of economical importance. Hence recommended for Translocation
39	S4	Sandal	0.22	-	-	Tree is present between depot pier no. DP34 & DP35 on RHS of alignment , The tree is decayed and wind fallen as per the RFO Report vide letter No:RFO/KGP/Metro/JL-523/2021 dated 13-12-2020.

Summary:

Total number of Trees assessed for on-site retention	05
Total number of Trees assessed as suitable for translocation	18
Total number of Trees assessed for felling	15


(.....Ravishanker S.S.)

Tree Officer

&

Deputy Conservator of Forests
Bengaluru (Urban) Division.

**Tree Officer and
Deputy Conservator of Forests
Bengaluru Urban Division,
BANGALORE.**

Part I**ABSTRACT OF REVIEW OF THE APPLICATION SUBMITTED BY
USER AGENCY INCLUDING PRELIMINARY ASSESSMENT BY TREE
OFFICER**

(to be compiled as per details documented for each tree in Template No. 2 and to be submitted by Tree Officer to TEC on the day of TEC meeting)

Name of the user agency	Bangalore Metro Rail Corporation Limited
Purpose of the project	Construction of Metro Rail Project, Phase-2
Extent of the project area	665m in length/8964 Sq Mt
Location of the project area	Kothnur Depot Entry Line – Reach 6
No. of tree(s) enumerated in the project area	39 Nos.
Number of tree(s) proposed for removal by user agency	39 Nos.
Number of tree(s) for on-site retention as per preliminary assessment by Tree Officer	05 Nos.
Number of tree(s) for transplantation / translocation as per preliminary assessment by Tree Officer	18 Nos.
Number of tree(s) for felling as per preliminary assessment by Tree Officer	15 Nos.
Summary of Proceedings* of consideration of objections received from public by Tree Officer	The suggestion is for translocating all 39 trees based on assessment by experts / NGOs using objective criteria. In particular, Arekere lake has been suggested as a possible site for the translocation. The observation is in support of the project, and that is noted.


* Note: Full proceedings with details should be appended.

Date:

RFO


Range Forest Officer
Kaggalipura Range
Kaggalipura


ACF


Tree Officer
Tree Officer and
Deputy Conservator of Forests
Bangalore Urban Division,
BANGALORE.

ANNEXURE-4

ANNEXURE - 4

Proceedings of Tree Expert Committee meeting dated 17.12.2020 in respect of review of BMRCL application, finding on objections, and preliminary assessment of trees by Tree Officer

Application No.: BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697 dated 27.11.2020.

Project Area: Kothnur Depot entry line (Reach-6) Phase-2

1. The Tree Officer and Deputy Conservator of Forests, Bengaluru Urban Division vide his letter dated 15.12.2020 has submitted his preliminary assessment of trees regarding application filed by BMRCL pertaining to 39 number of trees from **Kothnur Depot entry line area (Reach-6) Phase-2** of the Metro project. The submission is accompanied by following documents.
 - a. A copy of the application dated 27.11.2020 from BMRCL along with details and map of the area and the tree details including GPS coordinates;
 - b. The public notice dated 30.11.2020 issued by the Tree Officer, a complete set of the objections/suggestions from the public and a copy of the proceedings dated 14.12.2020 of the Tree Officer regarding consideration of the objections/suggestions as per Section 8(3)(vii) of the Karnataka Preservation of Trees Act, 1976 (Henceforth referred as KPT Act).
 - c. Tree Assessment Forms in Template 2 with Part I (dated 13.12.2020) containing tree details as furnished by Range Forest Officer and Part II (dated 14.12.2020) containing preliminary assessment of the Tree Officer for each of 39 trees proposed to be removed by BMRCL.
 - d. Abstract of the review of the BMRCL application and preliminary assessment of trees by the Tree Officer in Template 3 Part I.
 - e. A statement prepared by Tree Officer showing the tree details along with preliminary assessment and justification for on-site retention / translocation / felling of trees.

The very purpose of issue of Public Notice is to provide a structured way of obtaining concerns / objections of the public and to consider them carefully.

2. The application was reviewed by the Tree Expert Committee (mentioned as TEC henceforth) in its meeting held on 17.12. 2020. The TEC also considered the objections/suggestions received from the public, remarks and findings of the Tree Officer in respect of each objection, and proceedings dated 14.12.2020 of the Tree Officer regarding consideration of those objections.
3. The TEC observed that total 02 number of objections/suggestions have been received in response to the public notices issued. One person has suggested for translocation of all the trees to the nearby lake beds, while the other one is in favour of implementing the project. Regarding these subjects, it was enquired from Tree Officer and he responded that utmost efforts are being taken to maintain the greenery of Bengaluru and the provisions of KPT Act 1976 envisaging issue of Public Notice to invite the

objections from the public are being followed and the same are being considered by the Tree Officer. The TEC concurred with the overall findings of the Tree Officer, as recorded in Part-I of Template 3 and in the detailed statement.


4. The Chief Engineer, Social and Environment Management Unit, BMRCL and concerned Engineers of the project area were present during the meeting. They were asked to make a presentation regarding the project details, necessity for removal of the trees given the project alignment, possibility of retaining the trees while carrying out the project construction. He emphasized that Metro Projects being a mass rapid transit system, seeks to setup a convenient, efficient, safe and sustainable mode of public transport. Its benefits include a shift from private modes of transport to public transport, and thereby a significant reduction in use of private vehicles, other things remaining unchanged. Such modal shift is estimated to have a significant reduction in pollution in the project area. (Reference: "Note on Potential Reduction in Pollution" based on iDeCK's study on "Economic Analysis for 2A and 2B Corridors of Bangalore Metro" Annexure-6)
5. The TEC considered the Abstract of the review of the application by the Tree Officer and his preliminary assessment in Template 3 Part I. The Committee noted from the detailed statement containing tree details and preliminary assessment /justification, the following recommendations made by the Tree Officer.

Total number of Trees assessed in the project area	39
Number of Trees already fallen	01
Total number of Trees assessed for on-site retention	05
Total number of Trees assessed as suitable for translocation	18
Total number of Trees assessed for felling	15

6. The TEC also perused the preliminary assessment of each tree in Part-I& II of Template 2. The TEC noted that the Tree Officer has personally inspected each tree before forming his preliminary assessment.

The TEC decided to visit the spot and scheduled the field inspection on **29.12.2020**.

The Tree Officer and the Representatives of BMRCL were asked to be present at the project area site at the time of spot inspection along with all necessary documents.


 Member-Secretary, TEC
 & Asst. Conservator of Forests, BBMP
 Assistant Conservator of Forests
 BBMP, Bangalore.

Part II

(to be prepared in compliance to Step 6 of the Memorandum of Procedure of TEC)

Remarks* of TEC on the day of TEC meeting:

(* Note: including those on objections received in response to the public notice)


The replies and proceedings prepared by the Tree Officer in response to the objections /suggestions/remarks arising out of public notice were read before the Committee. The Tree Officer has considered the said objections/suggestions/remarks falling within the purview and powers vested with him. Regarding technical aspect, the matter was referred to the BMRCL authorities by the Tree Officer. They have responded and their remarks have been mentioned in the annexed sheet of the Tree Officer's proceedings.

After due deliberations, the Tree Expert Committee has directed the Tree Officer to initiate action for the observations/suggestions/remarks falling within the powers vested with him and for the remaining observations/suggestions/remarks related to matters other than trees, the same can be communicated to the Project Authority/Competent Authority for perusal and further action.

The Tree Assessment Forms submitted by the Tree Officer were also perused.

The Tree Expert Committee decided to conduct the detailed spot inspection of the area.
[TEC Meeting Proceedings also attached].

Date: 19.12.2020


Member Secretary of TEC &
Assistant Conservator of Forests
BBMP, Bangalore.

Signatures:

ANNEXURE-5

ANNEXURE - 5

**Proceedings of Tree Expert Committee regarding field inspection on 29.12.2020 of
the trees standing in Kothnur Depot entry line (Reach-6) Phase-2 of BMRCL
Project area**

Application No.: BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697
dated 27.11.2020.

Project Area: Kothnur Depot entry line (Reach-6) Phase-2

1. In obedience to the orders of Hon'ble High Court of Karnataka and in furtherance of the earlier meeting proceedings dated 17.12.2020, the field inspection for assessment of trees standing in the project area at **Kothnur Depot entry line area (Reach-6) Phase-2** was carried out by the TEC on 29.12.2020. The Tree Officer and the Representatives of BMRCL were present at the site.
2. The following activities were carried out by the TEC for each tree assessed.
 - i. Physical verification of the tree number and the associated information collected by the Forest Department Officers in Template 2 Part I, including tree health / tree defects and general assessment.
 - ii. Confirmation regarding those trees being inside the project construction area.
 - iii. Discussion with BMRCL representatives to explore possibility of carrying out the construction without removal, and identification of the trees which can be retained on-site.
 - iv. Review of preliminary assessment made by the Tree Officer in the Template 2 Part II.
 - v. Assessment of the general conditions of the trees to decide the feasibility of translocation.
3. The Committee in its above set of activities was guided by the detailed procedure and prioritization formulated in Step 7 of the Memorandum of Procedure (MOP).
4. The Committee carried out the thorough and multipronged scrutiny of all the trees to make its recommendations regarding:
 - a) Trees which could be saved by retaining on-site as it is;
 - b) Trees which should be translocated depending upon their general condition as assessed and ecological importance, in the event of (a) above not being possible;
 - c) Trees recommended for removal in the event of (a) and (b) not being possible including the trees which are silviculturally matured or softwood trees and trees suffering from defects / damages.

5. **On-site Retention:** The Committee identified 06 trees though standing in the project area are not affecting the project activities as their position is abutting the project boundary and can be Retained with pruning of some of the branches.
6. As verified during the field inspection, the remaining 33 trees which have been suggested for translocation and felling are falling within the following physical features.

Physical Features	Tree Numbers
Construction of Portal pier and erection works. (Located between metro pillar No. DP2-DP6, DP15-DP17, DP22-DP23, DP37 & DP40-DP44)	2, 3, 4, 5, 6, 7, 8, 9, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, S1, S2, S3 & S4 Total – 30 Nos.
Construction of pile and pile cap works. (Located between metro pillar No. DP15-DP17 and DP42-DP43)	11, 12 & 32 Total – 03 Nos.

7. The Trees standing in the project area which are not affecting the project activities as their position is abutting the project boundary and effective protection space is available around them can be retained with pruning of some of the branches.
8. The next consideration for the Committee was to identify the trees which are fit for translocation. While making recommendations for translocation of the trees, the Committee considered the following conditions, in addition to the tree health / tree defects etc., recorded in the Template 2 Part I.
 - i. Proximity of tree to building structures, trunks proximity to the cement / concrete or tarred surface.
 - ii. The trees having below mentioned characteristics did not qualify for translocation.

Trees having forked trunk, major wounds on the trunk, debarking, physical damage on the bark, scar due to fire, damage (girdling), rotting due to fungal infection (fruiting bodies of fungus, rotten core, hollowness) or pest infestation (presence of holes and frass as evidence of insect infestation), and dead / dried major branches, etc.
 - iii. Other aspects of species viz., economically important species, species that could provide food (nectar, pollen, seeds and fruits) and nesting sources (materials and site) to various fauna.
9. For the trees having the potential for translocation, availability of effective zone to extract the root-ball was also assessed. The trees in the above category (ii) and those without adequate effective zone to extract the root-ball were specifically not recommended for the translocation.
10. The assessment with justification for each tree was recorded as stipulated in Part-III of Template 2.

11. Following is the summary of recommendations of the Committee as recorded in the Template 2 Part III.

Total number of Trees examined/observed	39
Total number of Trees found suitable for on-site retention	06
Total number of Trees found suitable for translocation	18
Total number of Trees for felling	15*

***Note:** Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.

12. A statement containing recommendations and justification along with the tree details is appended to this proceeding.
13. **Assessment of sites for Translocation:** Having completed the above assessment of trees at the project area, the Committee visited the following site proposed by BMRCL and recommended by the Tree Officer for translocation of trees.

A. Kothnur Horticultural Internal Area.

BMRCL have recently suggested another area as follows which has been recommended by the Tree Officer for translocation of trees purpose.

B. Kempegowda International Airport Area, Bengaluru.

The Committee considered the soil test analysis report of the proposed Kothnur Horticulture Farm (vacant sites away from the project area) as prepared by Department of Soil Science and Agricultural Chemistry, UAS, GKVK, Bangalore with following Inference;

"The soil samples provided for analysis are slightly acidic to neutral in nature, low in salt content and organic matter content and contain low quantities of major nutrients (N,P,K and all other parameters as per standard). Therefore, with proper nutrient application soil is suitable for tree shifting."

The TEC concurred with the said reports of UAS, Bengaluru and found that translocation of trees can be done in the proposed site vide para 13(A) above after following the advice as rendered by UAS, Bengaluru. The TEC also concurs with the recommendation of Tree Officer regarding translocation of trees at site vide 13(B) above.

14. In pursuance to the instruction as mentioned in KPT Act 1976, BMRCL should take up Compensatory Afforestation by planting of 390 trees @ 10 trees for each of 39 trees to be translocated/felled.


 Member, Secretary, TEC &
 Asst. Conservator of Forests, BBMP, Bengaluru.
 Assistant Conservator of Forests
 BBMP, Bangalore.

Application No.: BMRCL/R-6(Elev)/Ph-2/F-203/via & Str/(R6-CC-01)/2020-21/2697

Location: Kothnur Depot entry line(Reach-6) Phase-2


TEMPLATE No. 4

ABSTRACT OF TEC REPORT

(to be prepared in compliance to Step 8 of the Memorandum of Procedure of TEC in consideration to the details documented for each tree in Template No. 2 and abstract in Template No.3)

Name of the user agency	Bangalore Metro Rail Corporation Limited				
Purpose of the project	Construction of Metro Rail Project, Phase-2				
Extent of the project area	665m in length/8964 Sqm				
Location of the project area	Kothnur Depot Entry Line(Reach-6) Phase- 2				
	Location	Easting (m)	Northing (m)	Latitude (N)	Longitude (E)
	Starting Point	781616.32	1424893.77	12° 52' 35.191"	77° 35' 41.507"
	Ending Point	781108.58	1425205.32	12° 52' 45.487"	77° 35' 24.781"
Number of tree(s) enumerated in the project area	39 Nos.				
Number of tree(s) proposed for removal by user agency	39 Nos.				
Overall opinion on objections from the public	Suggestion was there for translocation of all trees to nearby areas				
Number of tree(s) recommended for on-site retention	06 Nos.				
Number of tree(s) recommended for transplantation / translocation	18 Nos.				
Number of tree(s) recommended for felling	15 Nos.*				

*Note: Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.


 Member-Secretary, TEC
 & Asst. Conservator of Forests, BBMP, Bengaluru.
 Assistant Conservator of Forests
 BBMP, Bangalore.

Appendix

Recommendations and justification for on-site retention / translocation / felling of trees by Tree Expert Committee

Case / Application No.: BMRCL/R-6(Elev)/Ph-2/F-203/via & Stn/(R6-CC-01)/2020-21/2697 dated 27.11.2020

Project Area: Kothnur Depot entry line (Reach-6) Phase-2

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
1	1	Jackfruit	12° 52' 35.9580"N/ 77° 35' 41.140"E		0.92	8.00	6.00	Retention	<ul style="list-style-type: none">Tree is present within the project area, however do not hinder any of the construction activities.The tree is healthy.The conditions as mentioned above qualifies the tree under retention category.Proper care should be taken to avoid any kind of damages to the tree during the construction process.
2	2	Ashok tree	12° 52' 36.2064"N/ 77° 35' 41.266"E		0.55	11.00	2.00		Felling

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
3	3	Ashok tree	12° 52' 36.2172"N/ 77° 35' 41.240"E		0.55	12.00	2.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is with minor defects and present very close to tree no. 2 and 4, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
4	4	Ashok tree	12° 52' 36.2244"N/ 77° 35' 41.215"E		0.53	12.00	2.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present very close in between tree no. 3 and 5, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
5	5	Ashok tree	12° 52' 36.2784"N/ 77° 35' 41.183"E		0.57	11.00	1.50	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present very close to tree no. 4 and 6, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above qualifies the tree under felling category.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
6	6	Ashok tree	12° 52' 36.3072"N/ 77° 35' 41.183"E		0.47	10.00	2.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present very close to tree no. 5 and 7, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
7	7	Ashok tree	12° 52' 36.3468"N/ 77° 35' 41.179"E		0.67	9.00	1.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is with minor defects and present very close to tree no. 6, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
8	8	Jackfruit	12° 52' 36.3972"N/ 77° 35' 40.697"E		1.3	8.00	6.00	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is healthy and having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation.Care should be taken during transplantation / translocation as the tree is forked.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
9	9	Jackfruit	12° 52' 36.8760"N/ 77° 35' 40.157"E		1.48	8.00	7.00	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier (No. 5) to support the superstructure entry lane to depot.Tree is having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation.Proper care should be taken to remove the dead branch present at 3m from base of the tree.The tree is with minor defects and recommended for transplantation / translocation.
10	10	Mango tree	12° 52' 37.6752"N/ 77° 35' 39.286"E		0.47	5.00	5.00	Retention	<ul style="list-style-type: none">Tree is present within the project area, precisely outside the boundary line and do not hinder any of the project construction activities.Therefore the tree is recommended for retention.
11	11	Spethodia	12° 52' 38.2944"N/ 77° 35' 35.153"E		1.1	10.00	5.00	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of pillar / pier (No. 16) to support the superstructure entry lane to depot.Tree is healthy and having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation.However, care should be taken during transplantation / translocation as the ground level is not equal around the tree.
12	12	Ficus Sp.	12° 52' 38.2692"N/ 77° 35' 34.976"E		Bush	4.00	2.50	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier (No. 16 and 17) to support the superstructure entry lane to depot.Tree is with minor defects and having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation.

SL No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
13	13	Ficus Sp.	12° 52' 38.2764"N/ 77° 35' 34.890"E		Bush	4.00	2.50	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier (No. 16 and 17) to support the superstructure entry lane to depot.Tree is with minor defects and having sufficient space around collar zone for excavation of applicable size of root ball for transplantation / translocation.
14	14	Nelli	12° 52' 38.9604"N/ 77° 35' 31.956"E		0.63	7.00	3.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near Tree No.15 at a distance of 1.50 meter.Tree has multiple (3) branches, mechanically damaged.However, it is recommended for transplantation/ translocation by excavating appropriate root ball.
15	15	Nelli	12° 52' 38.9136"N/ 77° 35' 31.895"E		0.59	7.00	4.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near pillar No. DP22 & DP23.Tree has forked branches, one branch (B) is leaned and one branch is straight (A) and mechanically damaged, however, it is recommended for transplanting.
16	16	Jackfruit	12° 52' 41.1132"N/ 77° 35' 29.983"E		0.74	7.00	8.00	Retention	<ul style="list-style-type: none">Tree is located near the pillar DP29, tree is associated with sapota.
17	17	Jackfruit	12° 52' 44.4000"N/ 77° 35' 28.025"E		0.82	10.00	10.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the vehicle shed, roots exposed on the earth surface, major branch was already felled, therefore appropriate care should be taken during preparation of root ball for transplantation / translocation.
18	18	Dalchini	12° 52' 37.2324"N/ 77° 35' 25.040"E		0.67	5.00	5.00	Retention	<ul style="list-style-type: none">Tree is healthy and having sufficient space around collar zone and present abutting the project boundary.However, care should be taken to retain the Tree, As the Tree is forked and close to existing Road.
19	19	Jackfruit	12° 52' 45.2676"N/ 77° 35' 26.124"E		0.8	10.00	10.00	Retention	<ul style="list-style-type: none">Tree is located in the abutting the project area.
20	20	Jackfruit A, B,C	12° 52' 45.9336"N/ 77° 35' 25.040"E		1.1	8.00	10.00	Retention	<ul style="list-style-type: none">Tree is abutting the boundary of depot, hence, this tree can be retained.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
21	21	Butter fruit	12° 52' 45.4260"N/ 77° 35' 24.904"E		0.86	7.00	6.00	Translocation	<ul style="list-style-type: none">Tree is located in the proposed plan and it is near tree No. 22.Tree has multiple (3) branches from 1 feet from the base of the stem, two branches are already felled and two branches are dried.Tree is recommended for transplanting by removing dried branches and pruning one small branch which is bent towards the ground.
22	22	Cashew nut	12° 52' 45.4332"N/ 77° 35' 24.871"E		2.2	7.00	10.00	Felling	<ul style="list-style-type: none">Tree is located within the Project area.Tree has forked branches from 1 feet from the base.Three major branches are already fallen and some branches are dead.Silviculturally matured tree.Based on the above characters tree does not fit for translocation.
23	23	Nelli	12° 52' 36.3972"N/ 77° 35' 41.140"E		1	10.00	5.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.At 5m from the base of the tree there is a severe girdling on one side, caused by adjacent building (demolished presently).The tree is matured with restricted roots and dried branches.The conditions of the tree as mentioned above disqualifies the tree for transplantation / translocation.
24	24	Ashok tree	12° 52' 36.1992"N/ 77° 35' 41.294"E		0.37	7.00	2.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present close to 25, 26 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
25	25	Ashok tree	12° 52' 36.1704"N/ 77° 35' 41.284"E		0.42	6.00	2.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present close to 24, 26 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
26	26	Ashok tree	12° 52' 36.1632"N/ 77° 35' 41.312"E		0.47	10.00	1.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present close to 24, 25 and 27, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
27	27	Ashok tree	12° 52' 36.1380"N/ 77° 35' 41.327"E		0.37	7.00	1.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is inclined (90°) and present close to 24, 25 and 26, therefore there is no sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
28	28	Dalchini	12° 52' 37.0848"N/ 77° 35' 40.168"E		0.4	2.50	1.00	Translocation	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is with minor defects, sufficient ground space for excavation of applicable size of root ball for transplantation / translocation.The conditions as mentioned above qualifies the tree for transplantation / translocation with proper care.
29	29	Cherry	12° 52' 38.2080"N/ 77° 35' 35.437"E		0.48	3.00	6.00	Felling	<ul style="list-style-type: none">Tree is present in the project area earmarked for construction of road, pillar / pier to support the superstructure entry lane to depot.Tree is present very close to a sewage channel with probability of severe root infection.The existing sewage channel prevents excavation of compact root ball of applicable size for transplantation / translocation.The conditions as mentioned above disqualifies the tree for transplantation / translocation and hence recommended for felling.
30	30	Nelli	12° 52' 38.8920"N/ 77° 35' 32.485"E		0.45	5.00	2.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is in between pillar No. DP21 & DP22.One major branch was already felled, mechanically damaged.However, Appropriate root ball can be excavated by adopting scientific procedure and Hence, fit for translocation.
31	31	Nelli	12° 52' 39.1440"N/ 77° 35' 31.801"E		0.37	7.00	2.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near pillar No. DP23.Tree has forked branches and four main branches of the tree were already felled.Out of two forked branches one branch is leaned, one branch which is straight. Recommended for Transplantation.


Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sqm)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
32	32	Jackfruit	12° 52' 45.5124"N/ 77° 35' 25.825"E		0.48	10.00	3.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the existing vehicle shed.Young tree, appropriate root ball can be excavated by adopting scientific measures.
33	33	Jackfruit	12° 52' 45.4476"N/ 77° 35' 25.721"E		0.42	7.00	5.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is near the existing vehicle shed.Young tree, appropriate root ball can be excavated by adopting scientific measures.
34	34	Subabul	12° 52' 45.8400"N/ 77° 35' 25.087"E		0.34	7.00	4.00	Felling	<ul style="list-style-type: none">Tree is located in the proposed Depot, having less ecological importance, does not fit for transplantation.
35	35	Kunkum	12° 52' 45.1956"N/ 77° 35' 26.491"E		0.34	7.00	4.00	Translocation	<ul style="list-style-type: none">Tree is located in boundary of existing vehicle shed.Young tree, care to be taken to retain existing root mass and soil in the root ball during transplantation / translocation.
36	S1	Sandal	12° 52' 45.5088"N/ 77° 35' 25.494"E		0.2	5.00	3.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is located near the existing vehicle parking.
									<ul style="list-style-type: none">Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed.Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.
37	S2	Sandal	12° 52' 45.5088"N/ 77° 35' 25.494"E		0.15	5.00	1.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is located near the existing vehicle parking.
									<ul style="list-style-type: none">Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed.Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.

Sl. No	Tree Number	Name of the species	Location		GBH (m)	Total height (m)	Crown Spread (Sq.m)	TEC Recommendation	Justification
			Latitude (N) / Longitude (E)						
38	S3	Sandal	12° 52' 45.5088"N/ 77° 35' 25.494"E		0.15	2.50	1.00	Translocation	<ul style="list-style-type: none">Tree is present in the Centre of the project area and it is located near the existing vehicle parking.Young tree, appropriate root ball has to excavated because of concrete structure of vehicle shed.Transplantation has to be done with appropriate host by adopting suitable transplantation procedures.
39	S4	Sandal	12° 52' 43.9068"N/ 77° 35' 29.004"E		0.22	-	-	Already fallen	

Summary:

Total number of Trees assessed for on-site retention	06
Total number of Trees assessed as suitable for translocation	18
Total number of Trees assessed for felling	15*

***Note:** Under the category of 'Total number of trees assessed for felling', 01 tree has already fallen and 14 trees to be felled.


 Member - Secretary, TEC
 & Asst. Conservator of Forests, BBMP, Bengaluru.
 Assistant Conservator of Forests
 BBMP, Bangalore.

BMRCL APPLICATION



ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

(ಸಹಭಾಗಿತ್ವದ - ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಹಾಗೂ ಕೇಂದ್ರ ಸರ್ಕಾರ ಉದ್ಯಮ)
ನೋಂದಾಯಿತ ಕಛೇರಿ : ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಕಾಂಪ್ಲೆಕ್ಸ್, 3ನೇ ಮಹಡಿ, ಕೆಂಗಲ್ ಹನುಮಂತಯ್ಯ ರಸ್ತೆ, ಶಾಂತಿನಗರ
ಬೆಂಗಳೂರು - 560 027, ಭಾರತ

Bangalore Metro Rail Corporation Ltd.

(A Joint Venture of Government of Karnataka & Government of India)

Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027. INDIA

BMRCL/R-6(Elev)/Ph-2/F-27/via & Stn/(R6-CC-01)/ 2020-21/2697

Date:27.11.2020

To

Deputy Conservator of Forest (Tree Officer)
Bangalore Urban Division
Aranya Bhavan Annex, 18th cross
Malleshwaram
Bangalore-560003

Sub: Construction of Elevated Structures (Viaduct & stations) of length 7.50Km (approx.) from Gottigere to Swagath Road Cross (Chainage 00.00m to 7501.818m) including Kothnur Depot entry line, Road widening & allied works and 5 Numbers of Metro Stations viz, Gottigere, Hulimavu, IIMB, JP Nagar 4th Phase, Swagath Road Cross in Reach-6 (elevated) line of Bangalore Metro Rail Project, Phase-2 - **Permission for Removal of trees at Kothnur Depot entry line (Reach-6) Phase-2. Reg**

Bangalore Metro Rail corporation is carrying out reach-6 Kothnur depot entry line works. The metro construction activities are full swing in this reach.

A total of 39 no's of trees are standing in the Kothnur depot entry area of which 39 no's are essential to be removed with permission for metro construction activities.

Among 39 trees to be cleared, there are 02 trees belonging to exempted category as per section 08 sub clause (7) of Tree Act 2015. The trees belonging to exempted category are mentioned only for information. However, BMRCL will clear the trees as and when required for the project.

The request is compiled as per the instructions of Hon'ble High Court of Karnataka as per the attached application along with enclosures. The trees are marked in the GAD and tabulated in the statement enclosed.

It is requested to grant permission to remove the trees as the works of construction of Metro Rail project in this reach is affected.

Thanking you,

Yours faithfully

[Signature] 27/11/20

Chief Engineer
Reach-6(Elevated)
BMRCL

Cc: ED-Civil-3 for information

Public Notice

NO:

Date:

This is to bring to notice of all citizens of Bengaluru that Bangalore Metro Rail Corporation Limited (BMRCL) had submitted the application to the undersigned for removal of trees at Kothnur Depot Entry Line, Reach-6 (Elevated). Details are tabulated against the required particular as mentioned below:

Name of the Project	Construction of Elevated Structures (Viaduct & stations) of length 7.50Km (approx.) from Gottigere to Swagath Road Cross including Kothnur Depot entry line, Road widening & allied works and 5 Numbers of Metro Stations viz, Gottigere, Hulimavu, IIMB, JP Nagar 4th Phase, Swagath Road Cross in Reach-6 (Elevated) line of Bangalore Metro Rail Project, Phase-2	
Agency	Bangalore Metro Rail Corporation Limited	
Purpose for removal of tree(s)	Infringing Construction Activities of Metro Rail Project and Traffic Movement.	
Description of the area with clear demarcation of boundaries or with GPS readings	Kothnur Depot Entry Line, Total Length – 665 mts 1. Starting Point. Lat – 12 deg 52 min 35.1912 sec Long – 77 deg 35 min 41.507 sec 2. Ending Point. Lat – 12 deg 52 min 45.4872 sec Long – 77 deg 35 min 24.781 sec	
Enumeration of trees 1. Total no trees standing in the project area 2. Total no. of trees proposed to be removed	39 (Annexure-I) 39 (Annexure-I)	Description of Trees, species, location, Area Map etc. are uploaded in the website of BBMP for information of all. (www.bbmp.gov.in)
Mode of communication of comments (Public can send their comments either by E-mail / Post / Hand)	Address: The Deputy Conservator of Forest (Tree Officer), Bangalore urban division, Aranya Bhavan Annex, 18 th Cross, Malleshwaram, Bengaluru-560003. Email ID: dcfurban82@yahoo.co.in	
Deadline for filing objections	Ten (10) days from the date of Publication of this notification *Comments should be relevant and specific to the project	

In this background suggestions and objections invited from all citizens in terms of section 8 (3)(vii) of The Karnataka Preservation of Tree Act 1976.

**Deputy Conservator of Forests
(Tree Officer)
Bengaluru Urban**

FORM I

KARNATAKA PRESERVATION OF TREES RULES, 1977

FORM NO.I

[See Rule 4(1)]

Form of Application

From,

Date: 26.11.2020

The Chief Engineer,
Reach-6, Elevated,
Bangalore Metro Rail Corporation
BMTC Complex 3rd floor,
KH Road, Bangalore-560027

To,

The Tree Officer (The Deputy Conservator of Forest),
Bangalore Urban Division,
Aranya Bhavan Annex, 18th Cross,
Malleshwaram, Bengaluru-560003

Sir,

BMRCL intend to clear the trees infringing the R6 Elevated Metro construction works. The details of the infringing trees are enclosed for your further necessary action.

1.	Sy. No. and extent of the land from which the trees are to be felled.	Sy.71 & Length -665m
2.	Location of the Sy. No. with Sy. Sketch.	Enclosed as Annexure II
3.	Whether the boundary of Sy. No. is clear and demarcated property on the ground	YES
4.	Enumeration of Trees (a) Total number of trees standing in the project area (b) Total number of trees proposed to be removed(Felling/Translocation)	39 Nos (Annexure I) 39 Nos (Annexure I)
5.	The purpose for which the trees are to be felled (specific mention to be made about the purpose)	Infringing the Metro alignment at Kothnur Depot Entry line. Bannerghatta Road Reach-6.
6.	Khata extract and Certificate from the Tahasildar regarding the tenure of the Land (Hiduvali, Darkhast, Inam, Lease, Coffee/ Cardamum, Malki, Bane and so on and whether the tree growth is redeemed or unredeemed) and the right over the Land and Tree growth.	NA
7.	Whether any tree proposed to be felled is reserved	NA

FORM I**KARNATAKA PRESERVATION OF TREES RULES, 1977**

	to Government, if so, details may be given.	
8.	Whether unconditional consent of the other owners having share in the right to land and the trees if any is obtained (proof thereof to be enclosed).	NA
9.	Whether the licensee or certificate in respect of the following is enclosed in case the purpose of felling is for; (i) Coffee cultivation – Certificate from Coffee Board. (ii) Rubber Cultivation – Certificate from Rubber Board. (iii) Cardamom Cultivation Certificate from Cardamom Board. (iv) For construction of building Certificate from Village Panchayat or Executive Officers of the Municipality as the case may be.	NA


I/We therefore, request you to accord permission for clearance of trees infringing the Bangalore Metro Line Construction works.

I/We am/are prepared of furnish other particulars if any require and demanded by the tree officer in this regard during the course of enquiry.

I/We agree to abide by the provision of the Karnataka Preservation of Trees Act, 1976 and the Karnataka Forest Act, 1963 and the rules made there under and such other conditions that may be imposed by the Tree officer.

I/We do hereby agree to indemnify Government of Karnataka against any loss or damage caused on account of permission accorded to me by the Tree Officer based on erroneous or wrong information furnished by me.

Yours faithfully,


 Chief Engineer, 26.11.2020
 Reach-6 (Elevated)/Phase-2,
 BMRCL.
 (Applicant)

ANNEXURE-I

Total number of trees standing in project area (Kothnur Depot Entry Line)

Sl. No	Number assigned to the tree	Name of the species.	Tree Girth (m)	Full Height (M)		GPS Location		Remarks
				By Visual Inspection		Latitude (N)	Longitude (E)	
1	1	Jackfruit	0.92	9.00		12 deg 52 min 35.9580 sec	77 deg 35 min 41.140sec	
2	2	Ashok tree	0.53	6.00		12 deg 52 min 36.2064 sec	77 deg 35 min 41.266 sec	
3	3	Ashok tree	0.53	6.50		12 deg 52 min 36.2172 sec	77 deg 35 min 41.240 sec	
4	4	Ashok tree	0.51	6.00		12 deg 52 min 36.2244 sec	77 deg 35 min 41.215 sec	
5	5	Ashok tree	0.56	6.00		12 deg 52 min 36.2784 sec	77 deg 35 min 41.183 sec	
6	6A	Ashok tree	0.45	8.00		12 deg 52 min 36.3072 sec	77 deg 35 min 41.183 sec	
6	6B	Ashok tree	0.45	8.00				
7	7A	Ashok tree	0.65	9.00		12 deg 52 min 36.3468 sec	77 deg 35 min 41.179 sec	
7	7B	Ashok tree	0.63	9.00				
8	8A	Jackfruit	1.3	10.00		12 deg 52 min 36.3972 sec	77 deg 35 min 40.697 sec	
8	8B	Jackfruit	1.26	8.00				
9	9	Jackfruit	1.43	8.00		12 deg 52 min 36.8760 sec	77 deg 35 min 40.157 sec	
10	10A	Mango tree	0.55	6.00		12 deg 52 min 37.6752 sec	77 deg 35 min 39.286 sec	Exempted as per Section 08 Sub clause (7) of Tree Act 2015
10	10B	Mango tree	0.43	6.00				
11	11	Spethodia	1.1	7.00		12 deg 52 min 38.2944 sec	77 deg 35 min 35.153 sec	
12	12A	Benjaniyam	0.48	6.50				
12	12B	Benjaniyam	0.45	6.50		12 deg 52 min 38.2692 sec	77 deg 35 min 34.976 sec	
13	13	Benjaniyam	0.54	4.50		12 deg 52 min 38.2764 sec	77 deg 35 min 34.890 sec	
14	14A	BettadaNelli	0.63	7.00				
14	14B	BettadaNelli	0.45	7.00		12 deg 52 min 38.9604 sec	77 deg 35 min 31.956 sec	
15	15A	BettadaNelli	0.55	7.00				
15	15B	BettadaNelli	0.38	7.00		12 deg 52 min 38.9136 sec	77 deg 35 min 31.895 sec	
16	16	Jackfruit	0.67	6.50		12 deg 52 min 41.1132 sec	77 deg 35 min 29.983 sec	
17	17	Jackfruit	0.8	7.00		12 deg 52 min 44.4000 sec	77 deg 35 min 28.025 sec	
18	18A	Dalchini	0.55	6.00				
18	18B	Dalchini	0.65	6.00		12 deg 52 min 37.2324 sec	77 deg 35 min 39.275 sec	
19	19	Jackfruit	0.8	10.00		12 deg 52 min 45.2676 sec	77 deg 35 min 26.124 sec	
20	20A	Jackfruit	1.08	6.00				
20	20B	Jackfruit	1.12	6.00		12 deg 52 min 45.9336 sec	77 deg 35 min 25.040 sec	
20	20C	Jackfruit	1.15	6.00				
21	21	Butter fruit	0.83	6.00		12 deg 52 min 45.4260 sec	77 deg 35 min 24.904 sec	

/ K. K. K.

ANNEXURE-I

Total number of trees standing in project area (Kothnur Depot Entry Line)

SL No	Number assigned to the tree	Name of the species.	Tree Girth (m)	GPS Location		Remarks	
				Full Height (M) By Visual Inspection	Latitude (N) Longitude (E)		
22	22A	Cashew nut	2.15	8.00	12 deg 52 min 45.4332 sec	77 deg 35 min 24.871 sec	Exempted as per Section 08 Sub clause (7) of Tree Act 2015
	22B	Cashew nut	1.85	8.00			
23	23	Nelli	0.98	6.00	12 deg 52 min 36.3972 sec	77 deg 35 min 41.140 sec	
24	24	Ashok tree	0.33	6.00	12 deg 52 min 36.1992 sec	77 deg 35 min 41.294 sec	
25	25	Ashok tree	0.4	6.00	12 deg 52 min 36.1704 sec	77 deg 35 min 41.284 sec	
26	26	Ashok tree	0.47	6.50	12 deg 52 min 36.1632 sec	77 deg 35 min 41.312 sec	
27	27	Ashok tree	0.35	6.00	12 deg 52 min 36.1380 sec	77 deg 35 min 41.327 sec	
28	28A	Dalchini	0.36	4.00	12 deg 52 min 37.0848 sec	77 deg 35 min 40.168 sec	
	28B	Dalchini	0.26	4.00			
29	29	Cherry	0.37	4.00	12 deg 52 min 38.2080 sec	77 deg 35 min 35.437 sec	
30	30	Nelli	0.45	6.00	12 deg 52 min 38.8920 sec	77 deg 35 min 32.485 sec	
31	31A	Nelli	0.37	6.50	12 deg 52 min 39.1440 sec	77 deg 35 min 31.801 sec	
	31B	Nelli	0.35	6.50			
32	32	Jackfruit	0.45	7.00	12 deg 52 min 45.5124 sec	77 deg 35 min 25.825 sec	
33	33	Jackfruit	0.34	6.00	12 deg 52 min 45.4476 sec	77 deg 35 min 25.721 sec	
34	34	Peltophorum	0.25	5.00	12 deg 52 min 45.8400 sec	77 deg 35 min 25.087 sec	
35	35	Kunkum	0.25	6.00	12 deg 52 min 45.1956 sec	77 deg 35 min 26.491 sec	
36	S1	Sandal	0.2	3.00			
37	S2	Sandal	0.15	2.00	12 deg 52 min 45.5088 sec	77 deg 35 min 25.494 sec	
38	S3	Sandal	0.15	2.00			
39	S4	Sandal	0.22	2.00	12 deg 52 min 43.9068 sec	77 deg 35 min 29.004 sec	

Enumeration of Trees

Total No of trees exempted from permission = 2

Total No of trees Proposed to be removed = 39

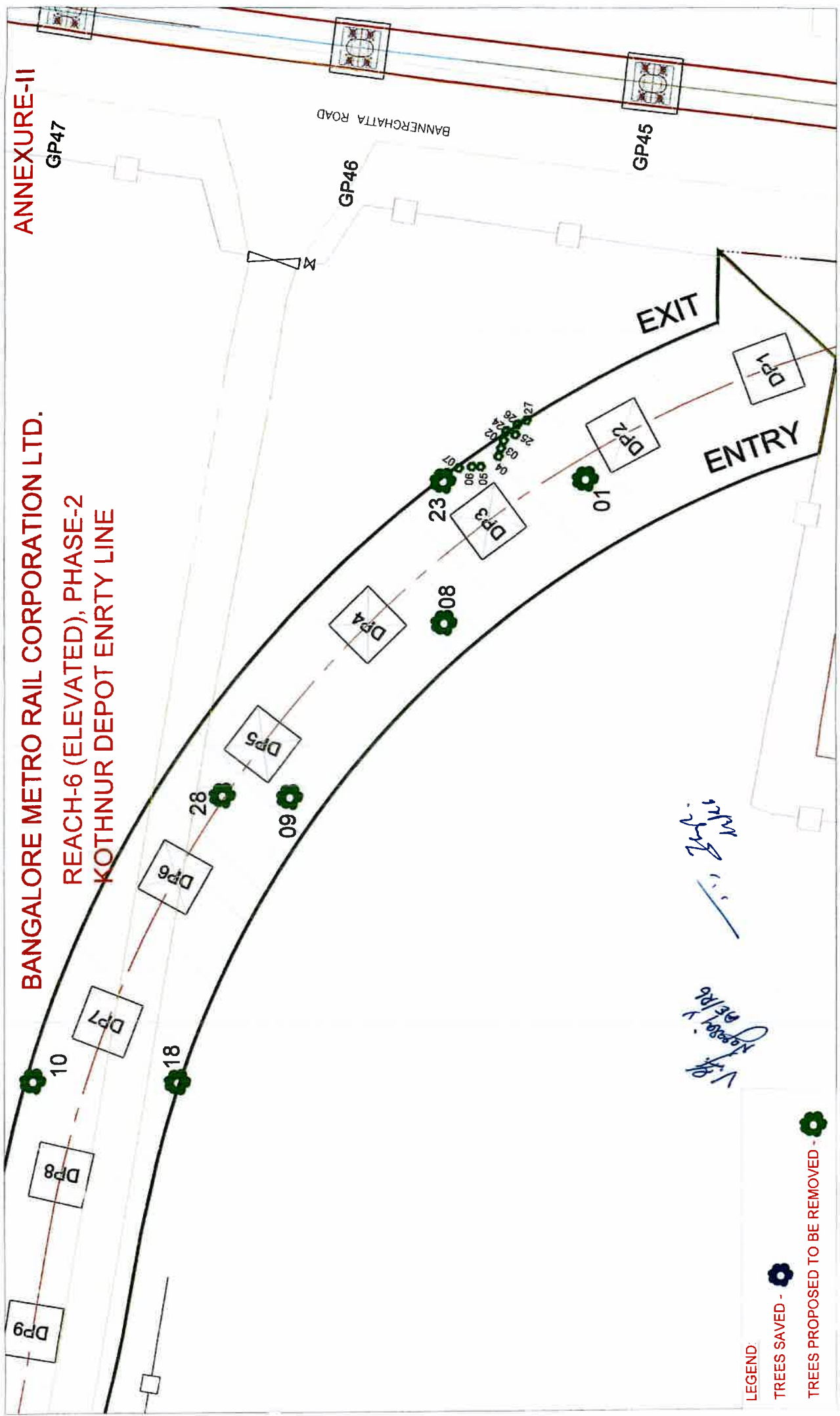
H.D.S. 26.11.2022
Deputy Chief Engineer

Reach-6 (Elevated)/ Phase-2

[Signature]

ANNEXURE-II

BANGALORE METRO RAIL CORPORATION LTD.
REACH-6 (ELEVATED), PHASE-2
KOTHNUR DEPOT ENTRY LINE

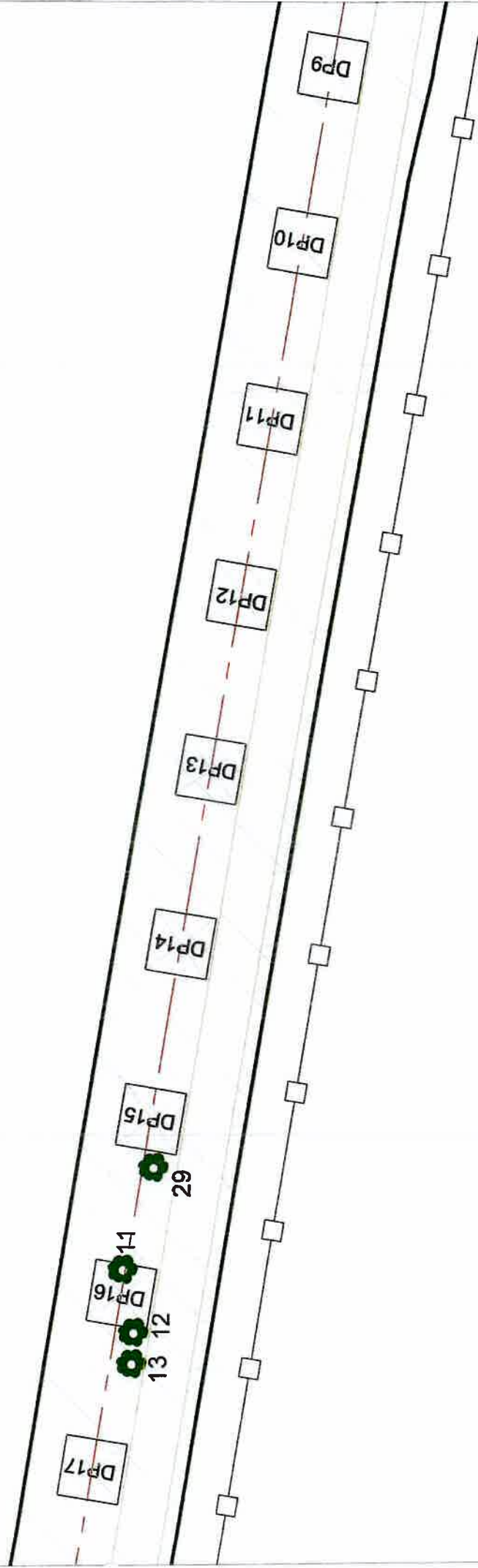


Handwritten notes:
V. S. Nagaraj
21/11/2016

ANNEXURE-II

BANGALORE METRO RAIL CORPORATION LTD.

REACH-6 (ELEVATED), PHASE-2
KOTHNUR DEPOT ENRTRY LINE



V. Rajan
15/05/2016

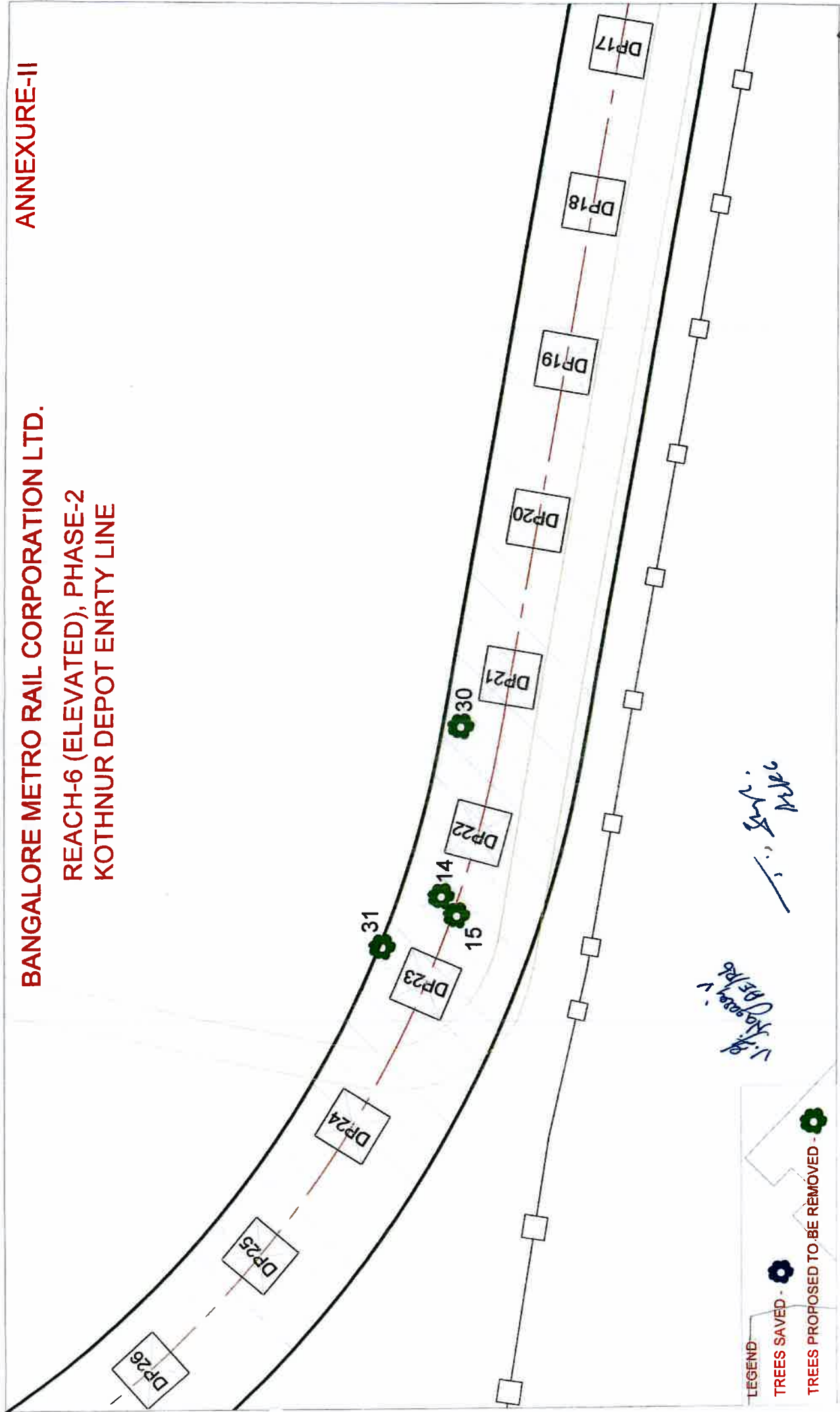
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TREES SAVED - 

TREES PROPOSED TO BE REMOVED - 

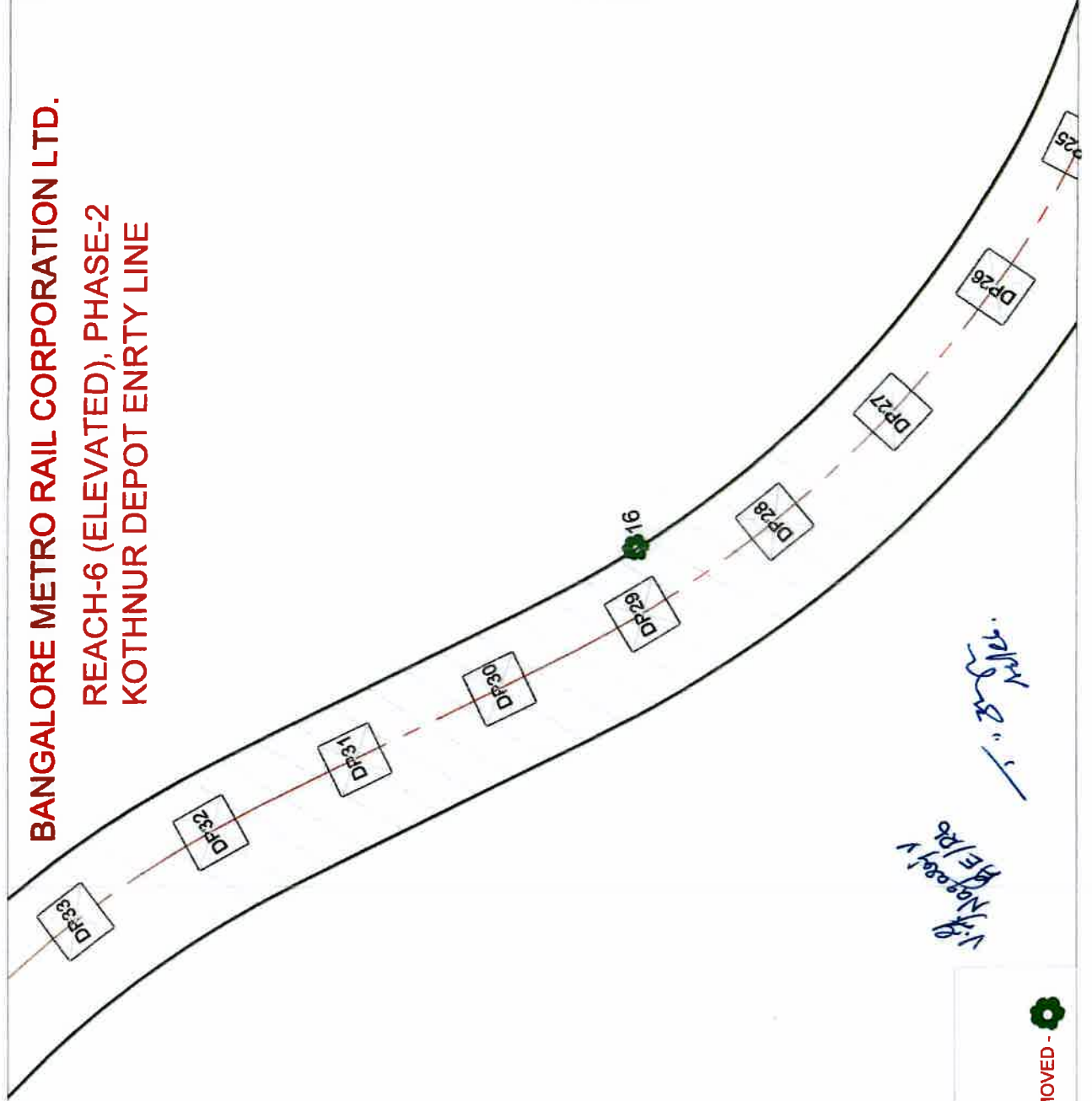
BANGALORE METRO RAIL CORPORATION LTD.
REACH-6 (ELEVATED), PHASE-2
KOTHNUR DEPOT ENRTY LINE

ANNEXURE-II



ANNEXURE-II

BANGALORE METRO RAIL CORPORATION LTD.
REACH-6 (ELEVATED), PHASE-2
KOTHNUR DEPOT ENRTRY LINE



LEGEND:

TREES SAVED - 

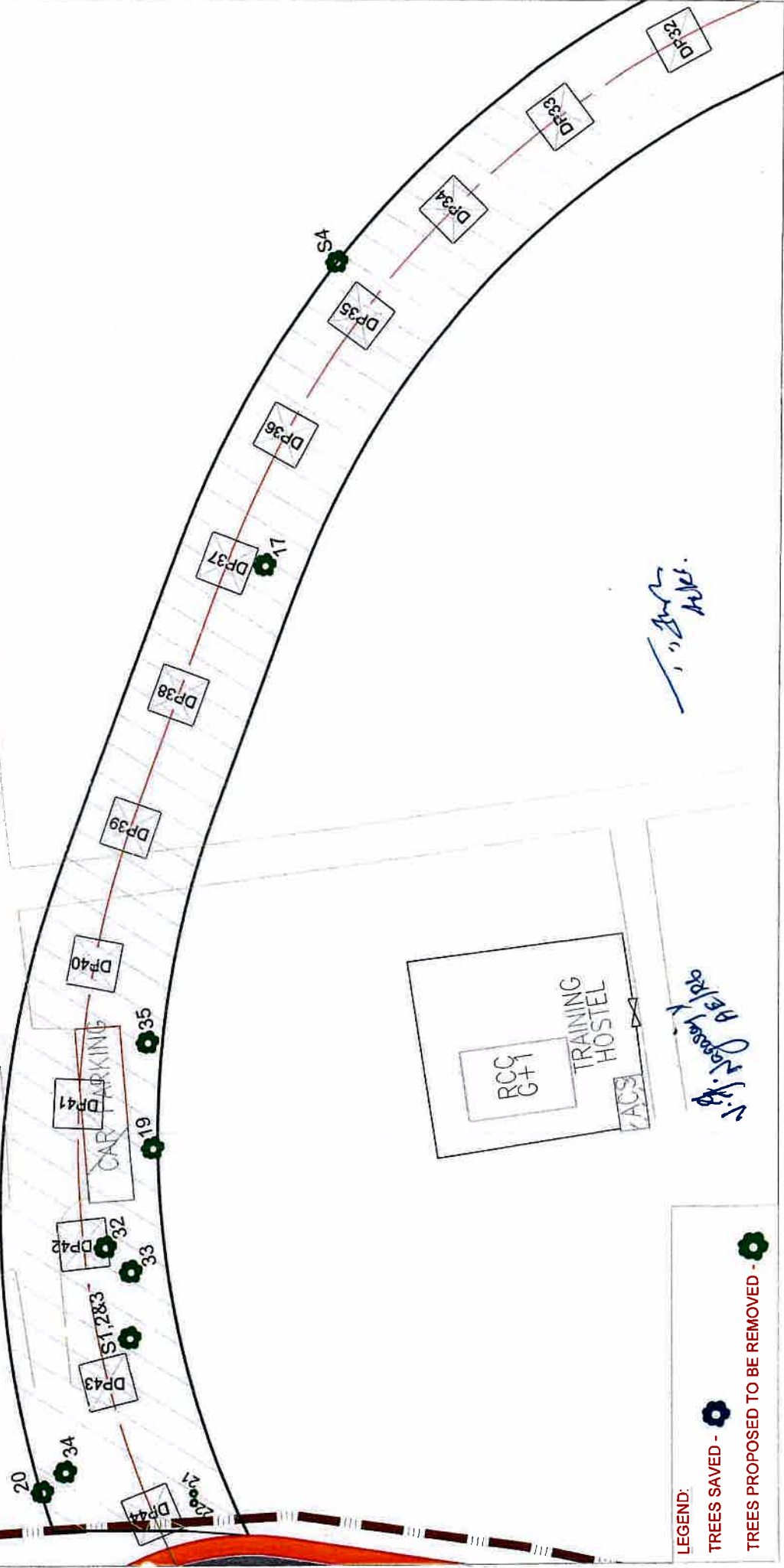
TREES PROPOSED TO BE REMOVED - 

V. S. Nagaraj
15/05/2018

ANNEXURE-II

BANGALORE METRO RAIL CORPORATION LTD.

REACH-6 (ELEVATED), PHASE-2
KOTHNUR DEPOT ENRITY LINE ROAD



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