

No.: DCF/PR:175/2022-23

Date: 07-05-2022

PUBLIC NOTICE

This is to bring to your notice of all citizens of Bengaluru that Bangalore Metro Rail Corporation Limited (BMRCL) had submitted the application to the under signed for removal of trees from Central Silk Board to Kodibeesanahalli Station up to pier No.- 331 of ORR Phase-2A (Package-1)

Name of the project	Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur, Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works of Bangalore Metro Rail Project of Phase -2A Package-1.			
Name of the Agency	Bangalore Metro Rail Corporation Limited			
Purpose for removal of tree	Infringing Metro Construction works from Central Silk Board to Kodibeesanahalli Station up to pier No. - 331 of ORR Phase-2A			
Description of the area with clear demarcation of boundaries or with GPS readings	Sl No	Latitude	Longitude	Location
	1	12° 54' 59.05"	78° 22' 56.22"	Central Silk Board Junction
	2	12° 55' 01"	77° 37' 57"	HSR Metro Station
	3	12° 55' 15"	77° 38' 37"	Agara Metro Station
	4	12° 56' 40.05"	77° 41' 51.78"	Kodibeesanahalli Metro Station
Enumeration of trees			Description of trees, Species, Location, Area Map etc are uploaded in the website of BBMP for information of all (www.bbmp.gov.in)	
• Total no. of trees standing in the project area	127 No's (Annexure-1)			
• Total no. of trees proposed to be removed	127 No's (Annexure-1)			
Mode of communication of comments (public can send their comments either by E-mail / Post / Hand)	Address: The Deputy Conservator of Forests, BBMP , N.R square, Bengaluru- 560002. E-mail Id: dcfbbmp12@gmail.com			
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/objection invited from all citizens in terms of section 8(3)(vii) of the Karnataka Preservation of Tree Act 1976.


Tree Officer &
Deputy Conservator of Forests,
BBMP, N.R square,
Bengaluru

ಪ್ರಕಟಣೆ

ಈ ಮೂಲಕ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಮತ್ತು ಸುತ್ತಮುತ್ತಲಿನ ಸಮಸ್ತ ನಾಗರಿಕರ ಗಮನಕ್ಕೆ ತರುವುದೇನೆಂದರೆ, ಮೆಟ್ರೋ ಕಾಮಗಾರಿಗಾಗಿ ಅಡ್ಡಬರುತ್ತಿರುವ ಮರಗಳ (ಕೇಂದ್ರ ರೇಷ್ಮೆ ಮಂಡಳಿ ಇಂದ ಕೊಡಿಬಿಸನಹಳ್ಳಿಯವರೆಗೆ ಪಿಯರ್ ನಂ. 331) ತೆರವಿಗಾಗಿ ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲು ನಿಗಮ ನಿಯಮಿತವು ಮನವಿ ಸಲ್ಲಿಸಿದ್ದು, ವಿವರಗಳು ಕೆಳಕಂಡಂತಿರುತ್ತವೆ.

ಯೋಜನೆಯ ಹೆಸರು	Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur, Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works of Bangalore Metro Rail Project of Phase -2A Package-1			
ಎಜೆನ್ಸಿಯ ಹೆಸರು	ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲು ನಿಗಮ ನಿಯಮಿತ			
ಮರ ತೆರವು ಗೊಳಿಸುವ ಉದ್ದೇಶ	ಮೆಟ್ರೋ ರೈಲು ಕಾಮಗಾರಿಗೆ ಅಡ್ಡ ಬರುತ್ತಿರುವ ಮರ ಕೇಂದ್ರ ರೇಷ್ಮೆ ಮಂಡಳಿ ಇಂದ ಕೊಡಿಬಿಸನಹಳ್ಳಿಯವರೆಗೆ ಪಿಯರ್ ನಂ. 331) (ಒಆರ್ ಆರ್ ಲೈನ್ ಫೇಸ್-2ಎ ಪ್ಯಾಕೇಜ್- 1)			
ಯೋಜನೆಯ ಬರುತ್ತಿರುವ ಪ್ರದೇಶದ ನಿರ್ದೇಶಾಂಕಗಳು.	Sl no	Latitude (D M S)	Longitude (D M S)	Location
	1	12° 54' 59.05"	78° 22' 56.22"	ಕೇಂದ್ರ ರೇಷ್ಮೆ ಮಂಡಳಿ
	2	12° 55' 01"	77° 37' 57"	ಹೆಚ್‌ಎಸ್ ಆರ್ ಮೆಟ್ರೋ ನಿಲ್ದಾಣ
	3	12° 55' 15"	77° 38' 37"	ಆಗಾರ ಮೆಟ್ರೋ ನಿಲ್ದಾಣ
	4	12° 56' 40.05"	77° 41' 51.78"	ಕೊಡಿಬಿಸನಹಳ್ಳಿ ಮೆಟ್ರೋ ನಿಲ್ದಾಣ
ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ಪ್ರಸ್ತುತ ಇರುವ ಮರಗಳು	127 No's (Annexure-1)		ಮರಗಳ ವಿವರ, ಜಾತಿ, ಮರಗಳಿರುವ ಜಾಗ, ನಕಾಶೆಗಳ ವಿವರಗಳನ್ನು ಬಿಬಿಎಂಪಿ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಮಾಹಿತಿಗಾಗಿ ಒದಗಿಸಲಾಗಿದೆ. (www.bbmp.gov.in)	
ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ತೆರವುಗೊಳಿಸಬೇಕಾದ ಮರಗಳು	127 No's (Annexure-1)			
ಆಕ್ಷೇಪಣೆಗಳನ್ನು ಸಲ್ಲಿಸುವ ವಿಧಾನ (ಸಾರ್ವಜನಿಕರು ನೇರವಾಗಿ/ಇ-ಮೇಲ್/ ಅಂಚೆ ಮುಖಾಂತರ ಈ ಕೆಳ ಸಹಿದಾರರ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಬಹುದು)	ವಿಳಾಸ: ಅರಣ್ಯ ಉಪ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ, ಬಿಬಿಎಂಪಿ, ಎನ್ ಆರ್ ಸ್ಕ್ವೇರ್, ಬೆಂಗಳೂರು- 560002 Email ID: dcfbbmp12@gmail.com ದಾಖಲೆ ಪತ್ರಗಳನ್ನು ಕೆಳ ಸಹಿದಾರರ ಕಛೇರಿಯಲ್ಲಿ ಕಛೇರಿ ಕೆಲಸದ ವೇಳೆಯಲ್ಲಿ ಪರಿಶೀಲಿಸಬಹುದು.			
ಆಕ್ಷೇಪಣೆಗಳನ್ನು ಸಲ್ಲಿಸಬೇಕಾದ ಅವಧಿ	ಈ ಪ್ರಕಟಣೆ ಹೊರಡಿಸಿದ ದಿನಾಂಕದಿಂದ 10 ದಿನಗಳೊಳಗಾಗಿ. ಸೂಚನೆ: ಆಕ್ಷೇಪಣೆಗಳು ಪ್ರಸ್ತಾವಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಸಂಬಂಧಿಸಿರಬೇಕು			

ಮೇಲ್ಕಂಡ ಪ್ರದೇಶದಲ್ಲಿನ ಮರಗಳನ್ನು ತೆರವುಗೊಳಿಸುವ ಸಂಬಂಧ ಸಾರ್ವಜನಿಕರ ಆಕ್ಷೇಪಣೆ/ ಸಲಹೆಗಳಿದ್ದಲ್ಲಿ ಕರ್ನಾಟಕ ವೃಕ್ಷ ಸಂರಕ್ಷಣಾ ಕಾಯಿದೆ 1976 ಸೆಕ್ಷನ್ 8(3)(vii) ಪ್ರಕಾರ ಸಲಹೆ/ಸೂಚನೆಗಳನ್ನು ನೀಡಲು ಆಹ್ವಾನಿಸಲಾಗಿದೆ.

Sreeni Sukthar
ವ್ಯಕ್ತಾಧಿಕಾರಿ

ಉಪ ಅರಣ್ಯಸಂರಕ್ಷಣಾಧಿಕಾರಿ
ಬಿಬಿಎಂಪಿ, ಎನ್ ಆರ್ ಸ್ಕ್ವೇರ್,
ಬೆಂಗಳೂರು



ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

(ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಹಾಗೂ ಕೇಂದ್ರ ಸರ್ಕಾರ ಸಹಭಾಗಿತ್ವದ 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

No. BMRCL/ORR/PH-2A/P1/2022/87/15215

Date: 24.03.2022

To,
The Deputy Conservator of Forest & (Tree Officer),
BBMP, N, R Square,
Bangalore - 560002.

Project Name:- "PHASE 2A/P1/60 (a) : Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur, Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works of Bengaluru Metro Rail Project Phase-2A & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works in Reach-5 line (R5/P4) of Bengaluru Metro Rail Project, Phase-2A." -

Location: Central silk Board (CSB) junction to Kodibeesanahalli up to Pier No - 331

Sub: Regarding permission required for the clearance of tree infringing at Metro work from Central Silk Board (CSB) Junction to Kodibeesanahalli up to Pier No - 331 (ORR-Phase-2A Package -1 work)-Reg.

Dear Sir,

Bangalore Metro Rail Corporation is carrying out Construction Metro works along ORR Phase 2A from central silk board (CSB) Junction to Kodibeesanahalli up to pier No - 331. The metro construction activities are in progress and civil contractor start activities in package-1 alignment.

The list of **127 No's** of Trees are infringing in the ORR phase -2A (package-1 works) from Central silk board to Kodibeesanahalli area up to pier No - 331, and these trees are essential to be removed/ transplanted for metro construction activities.

In this regard, it is requested to accord permission for removal/ transplant of trees which are infringing the metro construction work.

Thanking you.

Your faithfully.

M.Suresh

CE/ORR/PH-2A/P1

Encl: Application, Trees List, GAD drawings & Google maps with the trees location etc.

CC to: Chief SEMU, BMRCL-for kind information and necessary action please.



No. BMRCL/Phase-2A/ED/ORR- Package- 1 /2022/14327 Date:10.03.2022
TO DCF/TREE OFFICER.
The Member Secretary,
Tree Committee, BBMP
N.R. Square, Bangalore-560002.

Sir,

Sub: PHASE 2A/P1/60 (a) : Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur, Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works of Bengaluru Metro Rail Project Phase-2A & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works in Reach-5 line (R5/P4) of Bengaluru Metro Rail Project, Phase-2."- **Permission for tree cutting for the Metro Project ORR- Package-1- Ramp- D at CSB location & HSR station- Reg.**

In connection with Permission for Tree removal, we are submitting following details for consideration;

1. Loops & Ramps-Ramp-D:

With reference to the above subject, alignment of Ramp-D of Loops & Ramp at Silk Board junction was proposed with initial conceptual plan during 2018 and based on the same, tender was invited and work was awarded to M/s. Afcons Infrastructure during 2021. After detailed designing of the structure, location of piers and ramp were marked on site. Immediately, trial trenches were carried out at the respective pier foundation locations to identify presence of utilities so that action can be taken up accordingly. A detailed study was made at site thoroughly and following observations made:

- There was conflicting movement of traffic at the start location of Ramp-D due to presence of cross road. Also, portal pier locations at DP20 & DP21 were infringing with the service road from HSR to Hosur road. Initial proposed Plan is enclosed. In order to avoid the conflicting movement & service road infringement, several options explored with realigning Ramp-D. Copy of revised alignment is enclosed as Annexure- I.
- Pier Foundations of Ramp-D were infringing with existing Storm water drain (Rajakaluve) having 15mwide & 5m deep. Sketch showing infringement is enclosed. This infringement was resulting into reduced waterway and thereby obstructing storm water flow. Also, as per the NGT directives, Rajakaluve should not be obstructed.
- Since the alignment of Ramp-D was located on the existing footpath thereby left with no footpath endangering safety of the pedestrians and it was inevitable to shift the Ramp-D on to the service road median and details are enclosed as Annexure-II.

- d. The balance width of service road available after construction of RE Wall is 1.80 meter which would leads to inaccessible by the traffic user are enclosed as Annexure-III.
- e. Also, there were several utilities all along Ramp-D like 200mm dia Gas pipe line (Gail Ltd), 300mm dia water supply line (BWSSB), UG power cables (BESCOM) and BSNL lines are enclosed as Annexure - IIIA. Regarding infringement of GAIL gas line, BMRCL communicated M/s.GAIL for shifting of gas line vide letter dated 29.09.2021 and also an alternative proposal was suggested vide letter dated 19.11.2021.

GAIL informed that loop line connections in city ORR west side works are in progress and yet to complete and it takes some considerable time. Also, GAIL have not agreed to for embedment of gas pipe in foundation. Moreover, earlier works carried out by GAIL at Kadubesanahalli location for shifting of 450mm dia Gas line was agreed mutually in Jan-2020 and work is still not completed by Gail even after numerous follow-ups. This issue was discussed at the highest level in various HPC meetings and copies of the HPC proceedings along with correspondences with GAIL are enclosed for reference as Annexure-IV.

- f. In addition, few trees were identified & listed as infringement to accommodate service Road widening of Ramp A & C. This includes 4 nos, from the earlier proposed but decided by committee to retain it and details are enclosed as Annexure- V.

In view of above circumstances, BMRCL explored the possibility of modifying/Shifting the Ramp D on to the service Road median and service road widening of Ramp A & C. Hence, 91 trees have been identified as infringement that needs to be removed. Status of trees listed for removal is enclosed as Annexure- VI & status of tree permission obtained for cutting/translocation earlier is enclosed as Annexure- VII in which 20nos are saved.

2. HSR Layout Station:

- a. Initially, entry/exit structure on RHS side was planned over the existing Storm water drain. However, during detailed design, complete storm water drain was to be covered by slab that obstructs the regular mechanized maintenance of Storm water drain.
- b. Also, some of the foundations of entry/exit structure were infringing with storm water drain there by reducing the water way. This Infringement of storm water drain with reduced waterway was not possible since recent times, there was lot of flooding in the locality as the area is flatter prone for frequent flooding. Also, as per the NGT directives, Rajakaluve should not be obstructed.
- c. Alternatively, nearby available land for entry/exit structure was explored on RHS side. A vacant land was identified and a sketch is enclosed as Annexure- VIII.

In view of above reasons, with new proposed RHS side entry/exit structure, 6 trees have been identified as infringement with respect to the new location of entry/exit structure that needs to be removed.

3. Agara Station:

Initially, at Agara station it was proposed with one entry/exit structure on RHS side only. The one side entry creates problem for people coming on the opposite side of road for using the metro. To avoid such situation, it was felt prudent to provide Entry/Exit structure on both sides. Land for entry/exit structure on LHS side has been acquired recently and connection to station on both sides. This connection can also facilitate as FOB to cross the main road as there was no provision of main road crossing. 26 nos of trees identified as infringement to the structure that needs to be removed. Details of latest plan is enclosed as Annexure- IX.

4. Kadubeesanahalli Station:

Originally, station was proposed at the foot of split flyover and after careful study at site, it was obstructing the free flow of traffic. In the split flyover, viaduct has been proposed with portal pier abutting to flyover to accommodate wider road and station pier proposed as single pier cantilever type which in turn obstructing the traffic. Original plan enclosed. In order to avoid the obstruction, station main structure has been moved bodily to facilitate easy movement of traffic between the split flyover & station and thereby resulting into infringement of 4 trees that needs to be removed. Details of sketch enclosed as Annexure-X.

Therefore, it requested Honourable Member Secretary, Tree Committee, BBMP for consideration of permission for removing of 127 nos of trees (20 nos trees have been saved as per earlier permitted for felling/translocation) to facilitate to take up the Metro works and complete the project on time.

Yours faithfully,



(Anjum Parwez)
Managing Director

Enclosure: As Above



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FORM NO.I
See Rule 4(1)

Form of Application

From,

Date: 24-03-2022

Chief Engineer.

ORR Phase-2A-Package-1,

BMRCL, Bengaluru-560027.

To,

**The Tree Officer(The Deputy Conservator of Forest),
Bruhat Bangalore Mahanagara Palike,
Bangalore-560002**

Sir,

BMRCL intend to clear the trees infringing the 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.	BBMP Median and Footpath of ORR Phase-2A from Central silk Board to Kodibeesanahalli up to pier no-331 (ORR line Phase-2A Package-1).
2.	Location of the Sy. No. with Sy. Sketch.	Not Applicable
3.	Whether the boundary of Sy. No. is clear and demarcated property on the ground	Not Applicable
4.	The number and kind of trees in tended to be felled with girth of each tree (detailed list to be attached)	Detailed list of trees(127 No's) Enclosed as Annex-I
5.	The purpose for which the trees are to be felled (specific mention to be made about the purpose)	Infringing the Metro construction works including Loops & Ramps, road widening and Station Entry Exit structure of elevated Metro from Central silk board to Kodibeesanahalli up to pier no-331 (ORR line Phase-2A Package-1).
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

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) Cardamum Cultivation Certificate from Cardamum Board. (iv) For construction of building Certificate from Village Panchayaut 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 construction works from Central silk board to Kodibeesanahalli up to pier no-331 (ORR line Phase-2A Package-1).

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.

Your's Faithfully



M.SURESH
(CE/Ph-2A/P-1)

1



Project Name:- "PHASE 2A/P1/60 (a) : Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur,Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works of Bengaluru Metro Rail Project Phase-2A & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works in Reach-5 line (R5/P4) of Bengaluru Metro Rail Project, Phase-2." –

Location : From Central Silk Board to Kodibeesanahalli Station up to Pier No.-331.

STRETCH	LOCATION	Inside park	LHS		Viaduct	RHS		TOTAL
			Foothpath	Service Road median		Service Road median	Foothpath	
Loops & Ramp Flyover	A- Ramp (Towards hosur road -LHS service road beside flyover)		7					7
	D- Ramp (RHS- Service Road Median)					73		73
	D & E Ramp (RHS - Service Road Footh Path)						1	1
	A- Ramp (RHS -Service Road Footh Path)						2	2
	D Ramp (RHS - Service Road Footh Path)						6	6
	C-Ramp LHS - (Service Road Footh path)		2					2
Package-1	HSR Station (RHS - service road foothpath after nala)						6	6
	Agara Station (LHS- Inside Park Area)	26						26
	Kadubeesanahalli Station (LHS-Service Road median)			2				2
	Kadubeesanahalli Station (RHS-Service Road median)					2		2
			TOTAL No's of trees					127

ANNEXURE-II

Project Name:- "PHASE 2A/P1/60 (a) : Construction of elevated structures (Viaduct & Stations) of length 9.859 km from Chainage 0.000 m to 9859.000 m and 6 Nos of elevated metro stations viz, Central Silk Board, HSR layout, Agara, Ibbalur, Bellandur, Kadubeesanahalli including road widening, Utility diversion and allied works of Bengaluru Metro Rail Project Phase-2A & Construction of loops, ramps for road flyover at Central Silk Board junction of approx. length of 2.84 Km including Road widening & allied works in Reach-5 line (R5/P4) of Bengaluru Metro Rail Project, Phase-2." –

Location : From Central Silk Board to Kodibeesanahalli Station up to Pier No.-331.

SL NO :	Easting	Northing	Latitude (DMS)	Longitude (DMS)	Remarks
1	78.382283	12.916404	12° 54' 59.05"	78° 22' 56.22."	Central Silk Board (Loops & Ramps)
2	78.3823	12.915828	12° 54' 56.98"	78° 22' 56.28"	
3	77.63239	12.916816	12° 55' 01"	77° 37' 57"	HSR STATION
4	77.632783	12.916598	12° 55' 00"	77° 37' 58"	
5	77.643593	12.920818	12° 55' 15"	77° 38' 37"	Agara Station
6	77.643851	12.92122	12° 55' 16"	77° 38' 38"	
7	77.697709	12.944561	12° 56' 40.45"	77° 41' 51.78."	Kodibeesanahalli Station up to Pier no - 331.
8	77.698103	12.94445	12° 56' 40.05"	77° 41' 53.18"	


J. Raghavendra.
Executive Engineer.
ORR-PH-2A-P1

ORR-PH-2A-P-1
Executive Engineer
J. Raghavendra

ORR/PH-2A/(PACKAGE-1) TREE DETAILS FROM CENTRAL SILK BOARD TO KODIBEESANAHALLI

SL NO	Tree Number	Species Name	Girth (m)	Clear Bole Height (m)	Full Height (m)	Crown Spread (m)	Latitude (N) DMS	Longitude(E) DMS
1	1	Rain tree	1.4	6	12	8	12°54'59"	77° 37' 24.25"
2	2	Rain tree	1.45	7	10	9	12°54'59"	77° 37' 26.21"
3	3	Rain tree	1.1	5	9	10	12°54'58"	77° 37' 24.33"
4	4	Seeme Thangi	0.7	5	7	6	12°54'58"	77° 37' 24.70"
	4A		0.5	4	5	2		
5	5	Honge	0.45	2	5	4	12°54'58"	77°37'25"
6	6	Rain tree	1.05	3	10	8	12°54'58"	77°37'25"
7	7	Tabubia	0.45	2	4	3	12°54'57"	77°37'25"
8	8	Akash mallige	0.80	2.00	10.00	2.50	12°55'03"	77°37'29"
	8A		0.67	2.00	8.00	2.00		
9	9	Akash mallige	1.38	2.50	8.00	3.00	12°55'03"	77°37'29"
10	10	Akash mallige	1.00	2.00	10.00	3.00	12°55'03"	77°37'29"
	10A		0.66	3.50	8.00	2.00		
11	11	Peltiform	0.92	3.00	9.00	3.00	12°55'03"	77°37'30"
	11A		1.40	1.50	8.00	5.00		
12	12	Sihi hunase	0.80	3.00	10.00	6.00	12°55'03"	77°37'30"
13	13	Tabubia	1.00	1.20	8.00	5.00	12°55'03"	77°37'30"
14	14	Akash mallige	1.10	3.50	12.00	3.00	12°55'03"	77°37'30"
	14A		0.70	2.50	10.00	3.00		
15	15	Tabubia	0.50	2.00	6.00	2.50	12°55'03"	77°37'30"
16	16	Shivalinga	1.50	2.30	9.00	3.00	12°55'03"	77°37'30"
17	17	Akash mallige	0.68	3.00	10.00	4.00	12°55'03"	77°37'30"
	17A		0.74	2.50	9.00	2.00		
18	18	Akash mallige	0.44	2.00	8.00	1.50	12°55'03"	77°37'30"
19	19	Tabubia	0.48	1.20	6.00	2.00	12°55'03"	77°37'31"
20	20	Tabubia	1.00	1.20	10.00	4.00	12°55'03"	77°37'31"
21	21	Tabubia	0.74	1.00	7.00	3.50	12°55'03"	77°37'31"
22	22	Tabubia	0.80	1.20	8.00	5.00	12°55'05"	77°37'29"
23	23	Tabubia	0.74	2.00	6.00	2.00	12°55'03"	77°37'31"
	23A		0.48	1.00	5.00	1.50		
	23B		0.55	1.00	5.00	1.00		
	23C		0.42	1.00	3.00	1.00		
24	24	Tabubia	0.72	1.50	8.00	4.00	12°55'03"	77°37'32"
25	25	Tabubia	0.75	1.00	7.00	3.50	12°55'03"	77°37'32"
	25A		0.34	0.90	3.00	1.50		
26	26	Tabubia	0.71	2.50	8.00	3.00	12°55'03"	77°37'32"
	26A		0.52	1.00	5.00	4.00		
27	27	Tabubia	0.85	2.50	11.00	4.00	12°55'03"	77°37'32"
28	28	Tabubia	0.53	1.30	8.00	2.50	12°55'03"	77°37'32"
29	29	Tabubia	1.00	1.20	9.00	6.00	12°55'04"	77°37'30"
30	30	Tabubia	1.13	1.50	10.00	6.00	12°55'03"	77°37'33"
31	31	Tabubia	0.79	1.10	9.00	5.00	12°55'03"	77°37'33"
32	32	Tabubia	1.05	1.00	10.00	6.00	12°55'03"	77°37'33"

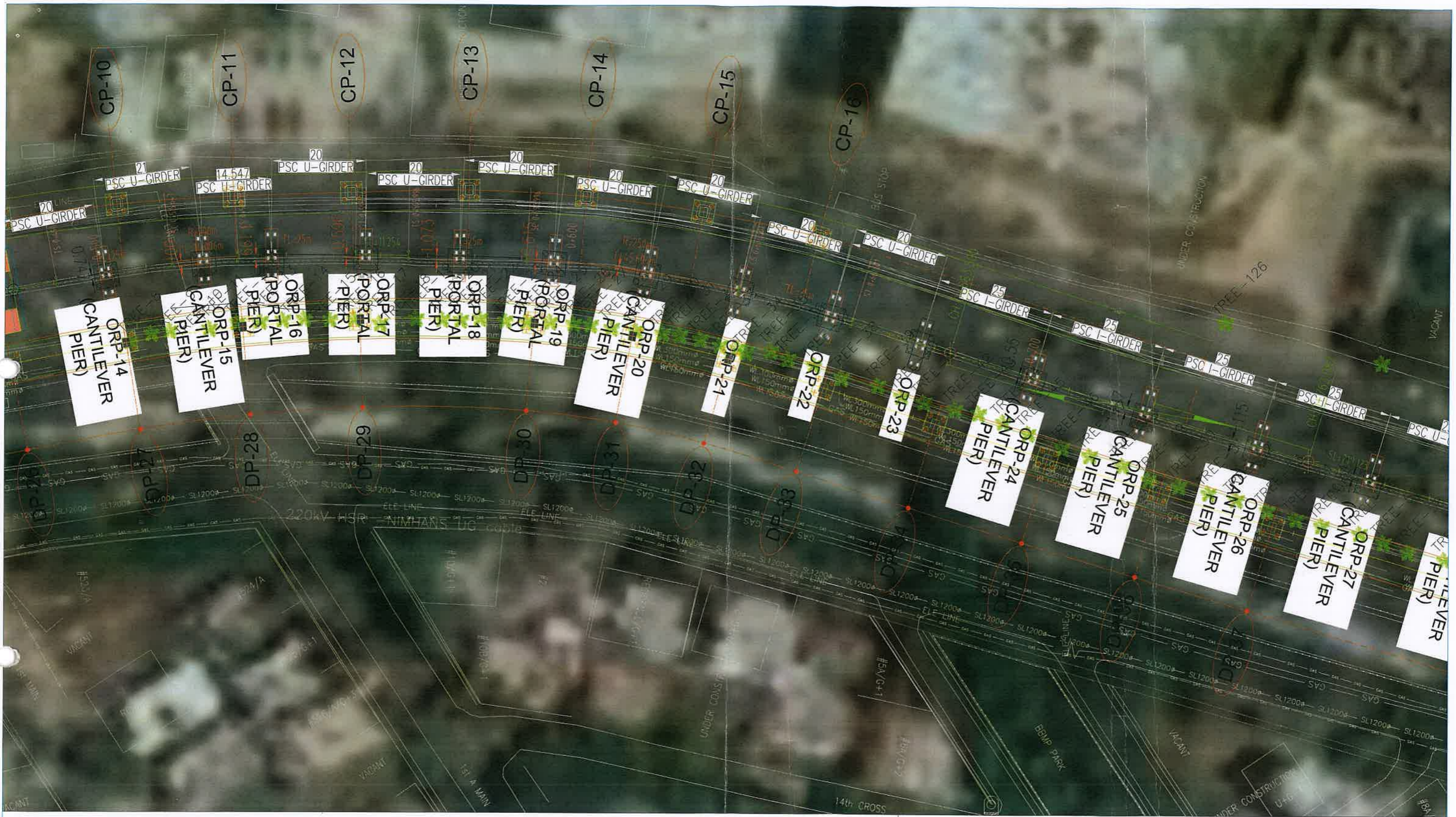
33	33	Tabubia	0.98	1.50	8.00	7.00	12°55'03"	77°37'33"
34	34	Tabubia	0.84	1.50	10.00	5.00	12°55'03"	77°37'33"
35	35	Akash mallige	1.06	2.00	12.00	6.00	12°55'03"	77°37'33"
36	36	Tabubia	0.93	1.50	10.00	5.00	12°55'03"	77°37'34"
37	37	Akash mallige	1.20	1.00	13.00	4.00	12°55'03"	77°37'34"
38	38	Akash mallige	1.03	2.50	12.00	4.50	12°55'03"	77°37'34"
	38A		0.68	1.20	10.00	3.00		
39	39	Tabubia	0.97	1.50	8.00	6.00	12°55'03"	77°37'34"
40	40	Akash mallige	1.36	4.00	14.00	7.00	12°55'03"	77°37'34"
41	41	Tabubia	0.90	1.50	10.00	5.00	12°55'03"	77°37'35"
42	42	Tabubia	1.00	1.50	11.00	6.00	12°55'03"	77°37'35"
43	43	Akash mallige	1.20	1.50	12.00	6.00	12°55'03"	77°37'35"
44	44	Akash mallige	1.20	1.00	11.00	4.00	12°55'02"	77°37'35"
	44A		0.60	1.00	6.00	3.00		
45	45	Akash mallige	1.20	2.00	12.00	4.00	12°55'02"	77°37'35"
	45A		0.97	1.00	8.00	3.00		
46	46	Tabubia	0.92	1.50	10.00	3.00	12°55'02"	77°37'36"
47	47	Tabubia	1.17	2.50	8.00	3.50	12°55'02"	77°37'36"
48	48	Tabubia	0.87	2.00	7.00	2.50	12°55'02"	77°37'36"
49	49	Tabubia	1.15	1.00	9.00	3.50	12°55'02"	77°37'36"
50	50	Akash mallige	1.14	2.00	12.00	2.50	12°55'02"	77°37'36"
51	51	Akash mallige	1.30	3.50	12.00	3.00	12°55'02"	77°37'37"
52	52	Tabubia	0.26	1.20	3.00	1.20	12°55'02"	77°37'37"
53	53	Akash mallige	0.90	2.00	11.00	3.50	12°55'02"	77°37'37"
54	54	Tabubia	1.25	1.50	10.00	7.00	12°55'02"	77°37'39"
55	55	Tabubia	1.13	2.00	10.00	3.00	12°55'02"	77°37'38"
	55A		0.55	0.50	6.00	1.50		
56	56	Tabubia	1.28	1.50	10.00	7.00	12°55'02"	77°37'38"
57	57	Akash mallige	1.40	2.50	12.00	5.00	12°55'02"	77°37'38"
58	58	Tabubia	1.27	1.50	10.00	6.00	12°55'01"	77°37'39"
59	59	Akash mallige	1.12	2.50	11.00	4.00	12°55'01"	77°37'39"
60	60	Akash mallige	0.90	1.50	11.00	6.00	12°55'01"	77°37'39"
	60A		0.82	1.00	10.00	5.00		
61	61	Akash mallige	1.20	2.00	12.00	6.00	12°55'01"	77°37'39"
62	62	Peltoform	2.10	1.50	13.00	8.00	12°55'01"	77°37'39"
63	63	Tabubia	0.88	2.50	11.00	4.00	12°55'02"	77°37'40"
64	64	Akash mallige	1.20	1.50	13.00	4.00	12°55'01"	77°37'40"
65	65	Tabubia	0.70	2.00	8.00	2.50	12°55'01"	77°37'40"
66	66	Akash mallige	1.16	2.50	11.00	3.50	12°55'01"	77°37'40"
67	67	Tabubia	1.30	1.50	10.00	7.00	12°55'01"	77°37'40"
68	68	Akash mallige	1.05	1.50	12.00	3.00	12°55'01"	77°37'40"
69	69	Akash mallige	0.73	8.00	10.00	2.00	12°55'01"	77°37'40"
70	70	Akash mallige	1.43	2.50	13.00	5.00	12°55'02"	77°37'40"
71	71	Tabubia	0.36	2.00	6.00	3.00	12°55'01"	77°37'41"
72	72	Tabubia	1.35	2.50	13.00	7.00	12°55'01"	77°37'41"
73	73	Tabubia	1.47	2.00	12.00	6.00	12°55'01"	77°37'41"
74	74	Akash mallige	1.35	1.00	11.00	4.00	12°55'01"	77°37'41"
75	75	Akash mallige	1.00	1.50	12.00	2.00	12°55'02"	77°37'41"
76	76	Tabubia	1.21	1.30	10.00	3.00	12°55'01"	77°37'42"
77	77	Akash mallige	1.12	1.00	11.00	3.50	12°55'00"	77°37'42"
	77A		0.60	2.00	10.00	2.50		
	77B		0.36	1.00	8.00	1.50		

78	78	Akash mallige	0.80	3.00	12.00	2.50	12°55'00"	77°37'42"
	78A		0.88	3.50	11.00	2.00		
79	79	Tabubia	1.00	2.00	10.00	5.00	12°55'00"	77°37'42"
	79A		1.22	1.50	10.50	5.50		
80	80	Akash mallige	0.56	2.50	11.00	3.00	12°55'00"	77°37'43"
	80A		0.75	2.00	12.00	4.00		
	80B		0.88	5.00	11.00	3.00		
	80C		0.73	2.50	12.00	4.00		
	80D		0.70	5.00	10.00	3.00		
81	81	Honge	0.63	1.00	5.00	8.00	12°54'58"	77°38'01"
	81A		0.66	1.50	6.00	7.00		
82	82	Honge	0.31	0.50	4.00	1.00	12°54'58"	77°38'01"
	82A		0.30	0.50	4.00	1.00		
	82B		0.26	0.50	4.00	1.00		
83	83	Honge	0.56	1.00	5.00	6.00	12°54'57"	77°38'01"
84	84	Honge	0.54	1.00	5.00	3.00	12°54'57"	77°38'01"
	84A		0.50	2.00	5.00	2.50		
	84B		0.33	2.00	4.00	3.00		
85	85	Honge	0.71	0.50	6.00	6.00	12°54'58"	77°38'01"
86	86	Honge	0.56	1.00	5.00	3.00	12°54'57"	77°38'02"
87	87	Akash mallige	0.53	3.00	7.00	5.00	12°55'15"	77°38'37"
88	88	Dalichandra	0.60	2.50	8.00	3.50	12°55'15"	77°38'37"
89	89	Holedasavala	0.44	2.50	5.00	2.00	12°55'15"	77°38'37"
90	90	Mahaghani	0.66	1.50	8.00	4.00	12°55'15"	77°38'37"
91	91	Mahaghani	0.69	2.00	6.00	4.00	12°55'15"	77°38'37"
	91A		0.54	2.50	5.00	3.00		
92	92	Dalichandra	0.25	1.50	5.00	2.00	12°55'15"	77°38'37"
93	93	Mahaghani	0.50	2.00	6.00	2.50	12°55'15"	77°38'37"
94	94	Holedasavala	0.26	2.00	4.00	2.00	12°55'16"	77°38'37"
95	95	Mahaghani	0.66	4.00	10.00	6.00	12°55'16"	77°38'37"
96	96	Dalichandra	0.44	3.00	7.00	6.00	12°55'16"	77°38'37"
97	97	Mahaghani	0.52	2.00	10.00	4.00	12°55'16"	77°38'37"
98	98	Mahaghani	0.50	3.00	6.00	2.00	12°55'16"	77°38'37"
99	99	Dalichandra	0.45	4.00	8.00	4.00	12°55'16"	77°38'37"
100	100	Dalichandra	0.31	2.00	7.00	3.00	12°55'16"	77°38'38"
101	101	Dalichandra	0.23	4.00	6.00	2.00	12°55'16"	77°38'38"
102	102	Dalichandra	0.58	1.00	9.00	1.00	12°55'16"	77°38'38"
103	103	Dalichandra	0.40	2.50	7.00	3.00	12°55'16"	77°38'38"
104	104	Holedasavala	0.32	1.50	3.00	2.00	12°55'16"	77°38'38"
	104A		0.23	1.00	3.00	1.50		
105	105	Dalichandra	0.39	4.00	8.00	5.00	12°55'16"	77°38'38"
106	106	Mahaghani	0.94	2.00	10.00	8.00	12°55'16"	77°38'38"
107	107	Holedasavala	0.33	1.50	5.00	3.50	12°55'16"	77°38'38"
	107A		0.30	1.00	5.50	3.50		
108	108	Holedasavala	0.28	3.00	5.00	2.00	12°55'16"	77°38'38"
	108A		0.25	2.50	4.50	1.50		
	108B		0.23	2.00	4.00	1.00		
109	109	Dalichandra	0.32	3.50	7.00	3.50	12°55'16"	77°38'38"
110	110	Dalichandra	0.27	3.00	6.00	3.00	12°55'16"	77°38'38"
111	111	Dalichandra	0.28	2.50	6.00	2.00	12°55'16"	77°38'38"
112	112	Rain tree	1.25	2.00	8.00	10.00	12°55'16"	77°38'38"

113	113	Honge	0.90	0.50	2.00	0.10	12°55'57"	77°41'16"
	113A		1.25	0.50	3.00	1.00		
114	114	Honge	0.90	0.20	5.00	2.50	12°55'58"	77°41'16"
115	115	Honge	0.50	1.00	4.00	1.00	12°55'59"	77°41'20"
116	116	Acacia	1.10	2.00	9.00	4.00	12°55'59"	77°41'19"
117	117	Kadamba	1.95	1.50	16.00	20.00	12° 54' 57.76"	77° 37' 8.649"
118	118	Arali	2.50	2.50	15.00	14.00	12° 54' 56.83"	77° 37' 26.60"
119	119	Rubber	1.20	5.00	13.00	13.00	12° 54' 56.94"	77° 37' 26.38"
	119A		1.02	1.50	9.00	12.00		
	119B		0.73	6.00	11.00	9.00		
120	120	Hebbevu	1.50	2.00	13.00	17.00	12° 55' 1.85"	77° 37' 23.79"
	120A		1.00	2.50	11.00	18.00		
121	121	Hebbevu	1.20	2.00	9.00	10.00	12° 55' 2.04"	77° 37' 24.55"
122	122	Hebbevu	1.32	2.50	13.00	18.00	12° 55' 2.23"	77° 37' 25.11"
123	123	Gulmohar	0.67	1.50	11.00	9.00	12° 55' 1.16"	77° 37' 38.19"
124	124	Tabubia	0.41	2.50	13.00	3.00	12° 55' 1.02"	77° 37' 38.40"
125	125	Honge	0.29	0.50	8.00	5.00	12° 55' 0.97"	77° 37' 38.37"
126	126	Spathodia	0.80	2.80	4.50	2.00	12° 55' 3.16"	77° 37' 36.44"
127	127	Rain tree	2.60	1.90	13.00	18.00	12° 55' 2.87"	77° 37' 37.54"

Handwritten signature
EE/PhdA/P1





C.S.B

K.R.PURAM

[Signature]

BBMP LIST



TREE MARK

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

TREE DETAIL



← C.S.B

K.R.PURAM →

RS

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

BBMP LIST

✱ TREE MARK

TREE DETAIL



C.S.B

BBMP LIST

K.R.PURAM

TREE MARK

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

TREE DETAIL

Sheet (1 of 6)

AGARA LAKE
CH: 2+816.030

CH: 2+902.876

0.257

U-GIRDER

19.296

U-GIRDER

25

PSC U-GIRDER

SL=200.607

GAIL GAS LIMITED

APARTMENTS

C.S.B

K.R.PURAM

Handwritten signature

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

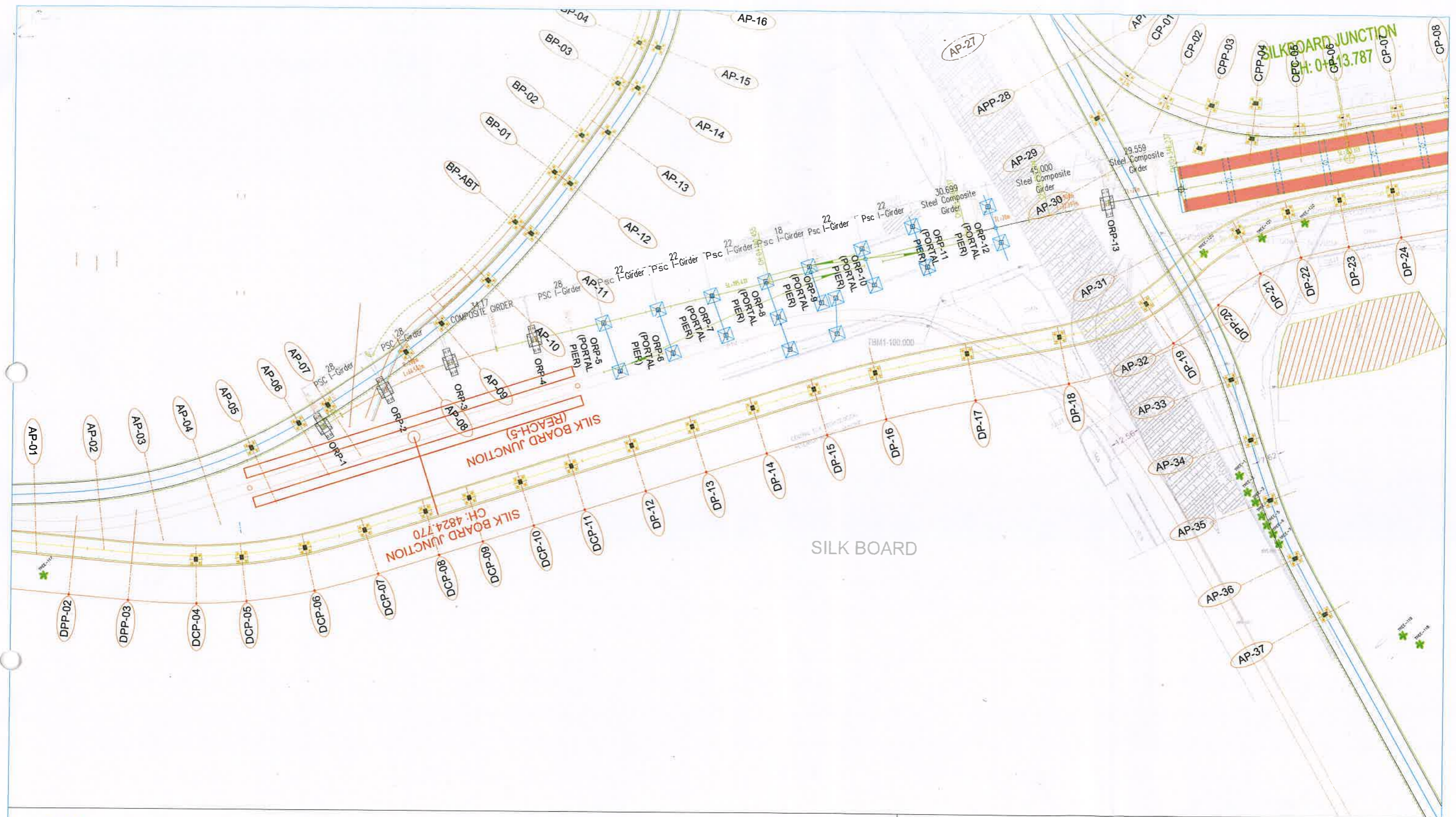
Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

BBMP LIST



TREE MARK

TREE DETAIL



C.S.B

K.R.PURAM

Handwritten signature or mark.

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

BBMP LIST



TREE MARK

TREE DETAIL



C.S.B

K.R.PURAM

Handwritten signature/initials.

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

BBMP LIST



TREE MARK

TREE DETAIL



C.S.B

K.R.PURAM

Handwritten signature

BBMP LIST

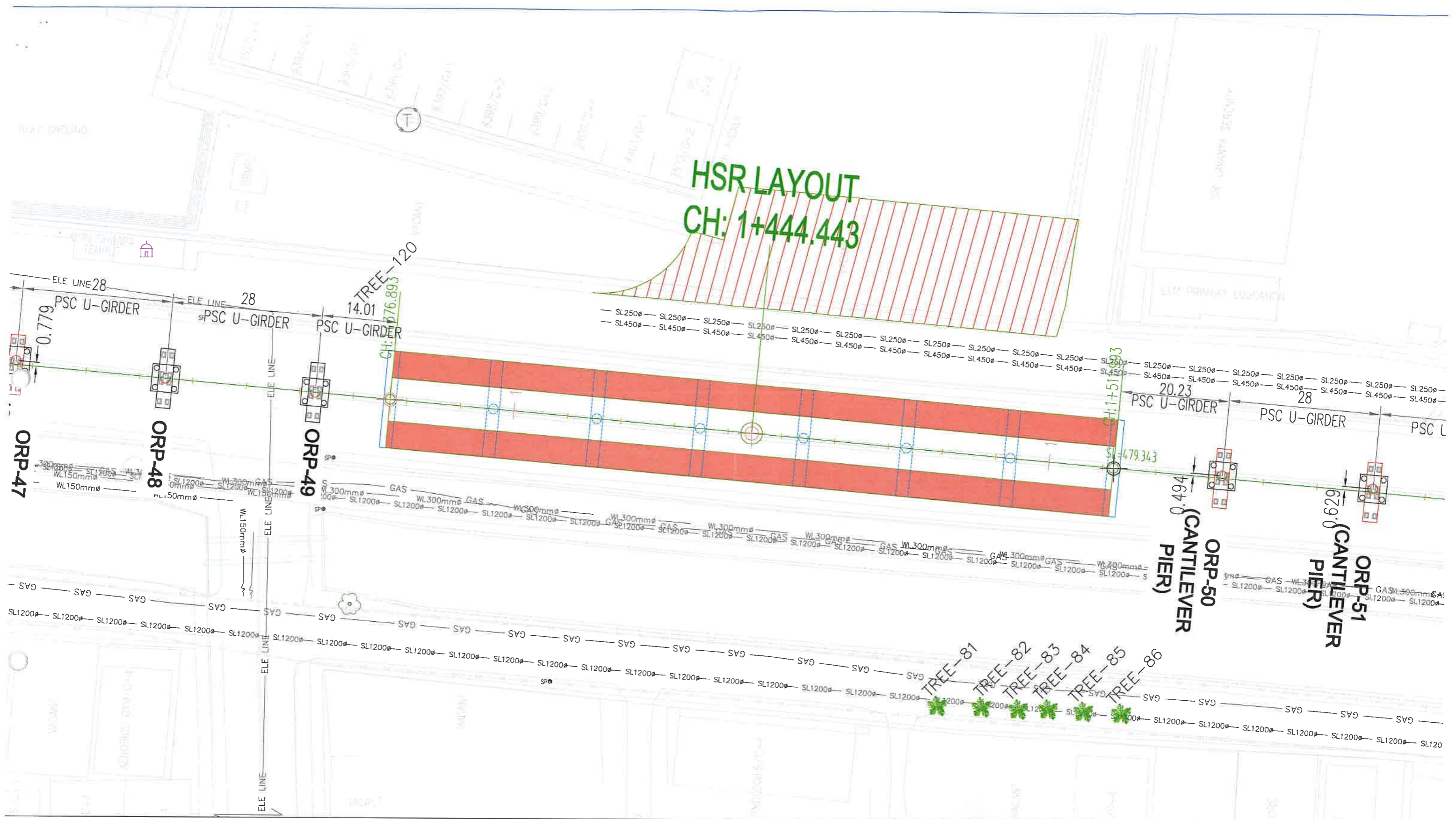


TREE MARK

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

TREE DETAIL



HSR LAYOUT
CH: 1+444.443

ORP-47

ORP-48

ORP-49

ORP-50
(CANTILEVER
PIER)

ORP-51
(CANTILEVER
PIER)

C.S.B

K.R.PURAM

Name of the work: PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location: C.S.B to KODIBESSANAHALLI (PKG-1) UP to PIER -331

BBMP LIST

TREE MARK

TREE DETAIL

Handwritten signature and initials

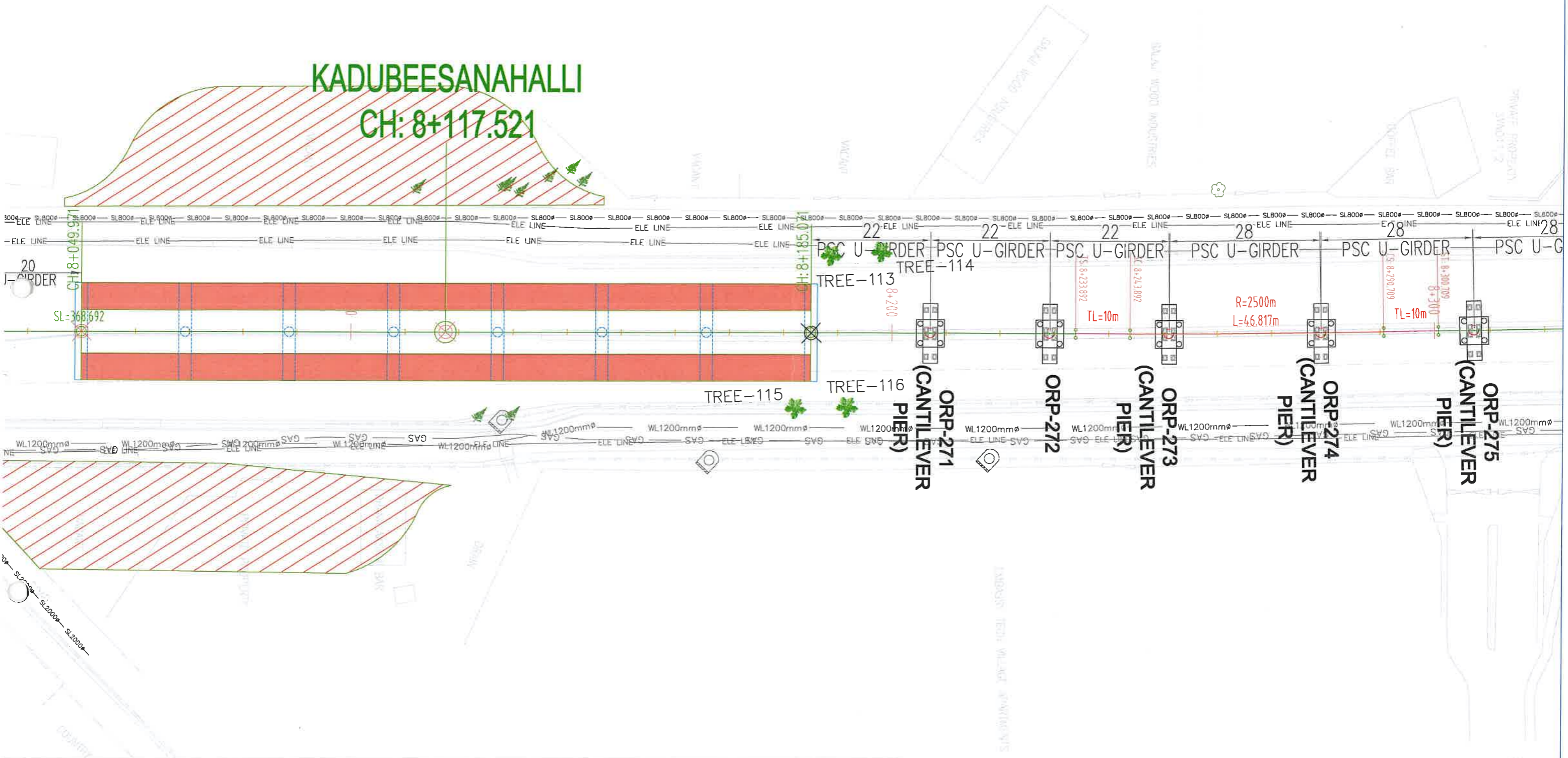
CH: 2+902.876

 **TREE MARK**

**Name of the work:PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)**

Location:C.S.B to KODIBESSANAHALLI (PKG-1)UP to PIER -331

KADUBEESANAHALLI CH: 8+117.521



C.S.B

K.R.PURAM

BBMP LIST

TREE MARK

Name of the work:PHASE-IIA ORRLINE
(C.S.B to Biyappanahalli Depot)

Location:C.S.B to KODIBESSANAHALLI (PKG-1)UP to PIER -331

TREE DETAIL

Sheet (6 of 6)