



**बिहार सरकार,
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
कार्यालय, प्रधान मुख्य वन संरक्षक, बिहार, पटना।**

(कैम्पा एवं वन संरक्षण संभाग)

तृतीय तल, अरण्य भवन, शहीद पीर अली खॉं मार्ग, पटना-800 014

संख्या व.सं/56/2021-936

प्रेषक,

अरविन्दर सिंह, भा०व०से०,
अपर प्रधान मुख्य वन संरक्षक (कैम्पा)
—सह-नोडल पदाधिकारी (वन संरक्षण),
बिहार, पटना।

सेवा में,

उप वन महानिदेशक (केन्द्रीय),
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
एकीकृत क्षेत्रीय कार्यालय, राँची,
द्वितीय तल, झारखंड राज्य आवास बोर्ड मुख्यालय,
हरमू चौक, राँची झारखंड-834002

पटना 14, दिनांक-03/11/2022

विषय — मुंगेर एवं भागलपुर जिलान्तर्गत NH-80 मुंगेर-बरियारपुर-सुलतानगंज (70.150-121.025 कि०मी०) पथांश के चौड़ीकरण एवं सुदृढीकरण हेतु वन (संरक्षण) अधिनियम, 1980 के तहत 34.212 हे० वन भूमि अपयोजन प्रस्ताव पर पृच्छा अनुपालन के संबंध में।

प्रसंग — भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय राँची द्वारा आयोजित REC की बैठक दिनांक 05.08.2022 की कार्यवाही का संदर्भ एवं वन प्रमंडल पदाधिकारी, भागलपुर का पत्रांक 1584 दिनांक 02.11.2022 एवं वन प्रमंडल पदाधिकारी, मुंगेर पत्रांक 1661 दिनांक 01.11.2022 (छायाप्रति संलग्न)।

महाशय,

उपर्युक्त विषय के संबंध में सूचित करना है कि भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय राँची द्वारा दिनांक 05.08.2022 को आयोजित REC की बैठक कि कार्यवाही के माध्यम से मांगी गयी सूचनाओं का निराकरण प्रतिवेदन निम्नलिखित है—

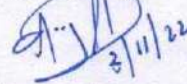
क्रम सं.	पृच्छा	निराकरण
2	The KML file of the proposed area should be corrected and uploaded.	कार्यपालक अभियन्ता, राष्ट्रीय उच्च पथ प्रमंडल, भागलपुर के पत्रांक 877 (अनु०) दिनांक 07.09.2022 द्वारा प्रतिवेदित किया गया है कि परियोजना निर्माण में अपयोजित होने वाली वन भूमि का संशोधित kml file Parivesh Portal पर upload कर दिया गया है। upload kml file का क्षेत्रफल 32.96 हे० है जबकि अपयोजित होने वाली वन भूमि 34.212 हे० है। यह मामूली अन्तर है और इसे GPS accuracy error को मानते हुए स्वीकार किया जा सकता है।

3	Tree Translocation plan should be meticulously designed in consultation with forest department keeping past results in mind. Such comprehensive translocation plan must be submitted with the proposal.	प्रयोक्ता एजेंसी द्वारा प्रतिवेदित किया गया है कि 60cm Girth से कम वाले वृक्षों को स्थानान्तरित कराया जायेगा। ROW में भूमि उपलब्ध न होने की स्थिति में चिन्हित स्थानों पर वृक्षों का स्थानांतरण कराया जायेगा।
4	The User agency shall prepare and submit Road side Plantation Scheme as per the IRC norms on the basis of available blank area in RoW to maintain greenery along the upgraded road. Such plantation Scheme shall be implemented by the State Forest Department at the cost provided by User Agency through CAMPA.	प्रयोक्ता एजेंसी द्वारा तैयार Roadside Plantation Scheme इस पत्र के साथ संलग्न भेजा जा रहा है।

उपर्युक्त तथ्यों के आलोक में अनुरोध है कि विषयगत परियोजना पर सैद्धान्तिक स्वीकृति (Stage-I) प्रदान करने की कृपा की जाय।

अनु०—यथोक्त।

विश्वासभाजन

 3/11/22

(अरविन्दर सिंह)

अपर प्रधान मुख्य वन संरक्षक (कैम्पा)
—सह—नोडल पदाधिकारी (वन संरक्षण),
बिहार, पटना।



बिहार सरकार

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग

कार्यालय :- वन प्रमण्डल पदाधिकारी, मुंगेर वन प्रमण्डल मुंगेर।

किला क्षेत्र, मुंगेर-811201 (फोन/फैक्स नं० 06344-223321)

Email-dfowildlifemunger@gmail.com

पत्रांक- 1661

प्रेषक,

गौरव ओझा, (मा०कोसे०)
वन प्रमण्डल पदाधिकारी,
मुंगेर वन प्रमण्डल मुंगेर।

सेवा में,

वन संरक्षक,
वन्यप्राणी अंचल, पटना।

मुंगेर, दिनांक- 01/11/2022

विषय :- मुंगेर जिलान्तर्गत NH-80 मुंगेर-बरियारपुर-सुलतानगंज (70.150-121.025) पथांश चौड़ीकरण एवं सुदृढीकरण हेतु वन (संरक्षण) अधिनियम, 1980 के तहत 34.212 हे० वन भूमि अपयोजन प्रस्ताव पर पृच्छा के संबंध में।

प्रसंग :- कार्यपालक अभियंता, राष्ट्रीय उच्च पथ प्रमण्डल लखीसराय, मु०-मुंगेर का पत्रांक-690 दिनांक-20.10.2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के माध्यम से सूचित करना है कि मुंगेर जिलान्तर्गत NH-80 मुंगेर-बरियारपुर-सुलतानगंज (70.150-121.025) पथांश चौड़ीकरण एवं सुदृढीकरण हेतु वन (संरक्षण) अधिनियम, 1980 के तहत 34.212 हे० वन भूमि अपयोजन प्रस्ताव पर वृक्षों के पुर्नस्थापन हेतु Tree Translocate Plan, Translocation की विधि, Arborist द्वारा नियमित अंतराल पर अनुश्रवण तथा संपोषण कार्य हेतु Tree Translocate Plan समर्पित की गई है। जिसे इस पत्र के साथ संलग्न कर भवदीय को समर्पित की जा रही है।

अनु० :- यथोक्त।

विश्वासभाजन,

वन प्रमण्डल पदाधिकारी,
मुंगेर वन प्रमण्डल मुंगेर।

ज्ञापक-1661

/दिनांक- 01/11/2022

प्रतिलिपि :- अपर प्रधान मुख्य वन संरक्षक (कैम्पा)-सह-नोडल पदाधिकारी (वन संरक्षण) बिहार, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

वन प्रमण्डल पदाधिकारी,
मुंगेर वन प्रमण्डल मुंगेर।

कार्यपालक अभियंता का कार्यालय
शांटीम डिवीजन वन प्रमंडल, वन निर्माण विभाग लखीसराय
मुंगेर, मुंगेर
E Mail - eenhlakhisaraikatmunger1@gmail.com Mob. No. 9470001344

संक्र. 670(अ.प्र.)

दिनांक 20-10-2022

सेवा में:-

कार्यपालक अभियंता
राष्ट्रीय राजपथ प्रमंडल
लखीसराय, मुंगेर-मुंगेर

सेवा में,

वन प्रमंडल परतधिकारी
वन प्रमंडल, मुंगेर

विषय:- मुंगेर एवं भागलपुर जिलाकार्ड NH-80 मुंगेर वरिमाएव -
उत्तरगंगेय दौगच्छी (कि०मी० 70.150 से 121.025) परत
के सि०-चौकीकरण एवं पुर्तुकीकरण हेतु वन (संस्थाप) अधिनियम
1980 के अंतर् 34.212 हे० 22मि आपभोजन अंतरा पर वृक्ष
के संबंध में।

संदर्भ:- भारतीय संक्र 1458 दिनांक 17-09-2022

महोदय,

उपरोक्त विषयक प्रांतिक पर के संदर्भ में की गई वृक्ष
के निराकरण हेतु Tree translocation plan, translocation की सि
Approval द्वारा निर्मित अंतराल पर अनुमति तथा संयोजन कार्य
टाइमलाईन इत्यादि विवरणों संलग्न कर आवश्यक् अंतरा कार्यवाई हे
समर्पित।

अनु० यथोक्त

निश्चाल शासन

20/10/22

कार्यपालक अभियंता
राष्ट्रीय राजपथ प्रमंडल
लखीसराय, मुंगेर-मुंगेर

20/10/2022

ROAD CONSTRUCTION DEPARTMENT, N.H DIVISION, LAKHISARAI
AT MUNGER

ofc

TRANSLOCATION OF TREES PLAN

**MUNGER TO BHAGALPUR, FROM KM 70.150 TO
121.025 OF NH-80**

**for Munger Div. From km 70.150 to km 93.000
part of project**

Contents

1. Introduction
2. Tree Protection Plan
3. Methodology of Tree Translocation
4. List of felling / Translocation of trees.
5. Calculation Table of Tree Translocation within ROW.

1. INTRODUCTION:

The Authority has awarded the project "Rehabilitation & Widening work for 2 – Lane with paved shoulder of existing National Highway 80 Alignment from KM 70.150 to Km 121.025 Munger – Sultanganj - Bhagalpur section in the state of Bihar" to the EPC Contractor.

This report explains Avenue Tree Translocation Planning & its Estimate for Munger – Bariarpur from km 70.150 to 93.000 which is part of above project.

For this purpose the total **1185** number of trees are found within proposed toe line of the project highway. Out of that **804** no. of trees are proposed for **Translocation** and **381** no. of trees are proposed for **felling**.

To counterbalance the loss of trees and other changes resulted into the surroundings; there is a need to follow the approach of "Corridor Development & Management", rather than "Highway Development". Apart from mitigating the environmental losses, it must plan to enhance the aesthetics of the highway corridor from all possible angles. Highways should not be looked upon merely as a means of transportation, but as a part and parcel of the environmental and socio-economic milieu.

2. Translocated Tree Protection Plan

Project Name: Rehabilitation & Widening work for 2 – Lane with paved shoulder of existing National Highway - 80 Alignment from KM 70.150 to Km 121.025 Munger – Sultanganj - Bhagalpur section in the state of Bihar.

Brief Information about the Project:-

The Government of Bihar has decided to take up the development of various road stretches/Corridors in the various parts of the State to upgrade the road network to meet the growing traffic requirement in of the State by augmenting the road capacity for safe and efficient movement of the traffic of selected road stretches for NH connectivity to stone quarries at Mirzachowki (Jharkhand) for fulfillment of requirement of Stone metal and chips required for ongoing infrastructure development projects. Further Kahalgaon Thermal Power Station also serves the major supply of Fly-Ash in this region.

In pursuance of the above the Road Construction Department on behalf of MoRTH have decided to take up “Rehabilitation and Widening to 2-Lane with Paved Shoulder Configuration and Strengthening of existing Road **Munger – Sultanganj – Bhagalpur from Km 70.150 to Km 121.025** under the District of Munger and Bhagalpur, in the State of Bihar. Total length is 50.875 km (**22.85 km lying in Munger District from Munger to Bariyarpur**) under EPC Mode” to improve the efficiency of freight movement having a total length 50.875 km and proposed Right of Way (ROW) varies between 10 m to 40 m.

Project stretch falls in the state of Bihar an Indian state considered to be a part of South Bihar Patna to Bhagalpur.

The Project will result in fast economic growth to the region as it will connect to capital Patna and generally traverses in the East-West direction and start from T-Junction Point at Munger i.e Ch. 69.400, passing through Herudiara, Sangrampur, Bishunpur, Fatmachak, Salempur, Nawagarhi, Brahamasthan, Binddiara, Mahdewa, Kalyanpur, Raghunathpur, Prem Tola, Ghorghat, Fatehpur, Kamarganj, Kushahi, Jhangira, Masdi, Sultanganj, Kasimpur, Afjuganj, Kalgama, Maheshi, Painenglish, Chichron, Alamgirpur, Akbarnagar, Basantpur, Ramchandarpur, Dogachi and Finally terminates at Ch. 121+025 at Start Point Jn. of Bhagalpur By-pass. (Bihar).

Absence of alternative mode of travel in the region between Munger to Bhagalpur leaves this Highway as the only means of communication.

This proposed project road will provide uninterrupted free flow of traffic and shall result in:-

1. Saving in travel time, cost and Natural resources (Fuel).
2. Saving in foreign exchange due to less consumption of fuel.
3. Increase in income of truck, bus, taxi etc. Owners as they will be able to communicate maximum distance in short time.
4. Reduction in accidents as it will provide safe travel.
5. Will act as catalyst to the Infrastructural & Industrial development.

Section from km 70.150 (Herudiara chowk) to km 93.000 (Bariyarpur) falls under the jurisdiction of Forest Division Munger having a length of 22.85 km, and km 93.000 (Bariyarpur) to km 121.025 (Bhagalpur) of proposed road falls under the jurisdiction of Forest Division Bhagalpur having a length of 28.025 km. Sufficient care has been taken during the design stage to keep the alignment along the existing road/highway to utilize its ROW. There is no forest areas located along the project road in view of the above.

The proposed alignment passing through the notified unprotected forest land from km 70.150 to km 93.000

The trees present in the proposed alignment have been jointly visited and the numeration list has been prepared. In total 1185 trees has been identified along the road/Highway alignment under Forest Division Munger, out of which 804 trees has been identified for the translocation and rest 381 trees has been marked to be cut.

Details of trees affected and to be translocated:

Details including species, name and the size of the trees after joint enumeration and verification has been prepared and attached herewith separately. Affected trees would be translocated in the ROW of the Project Munger to Bariyarpur

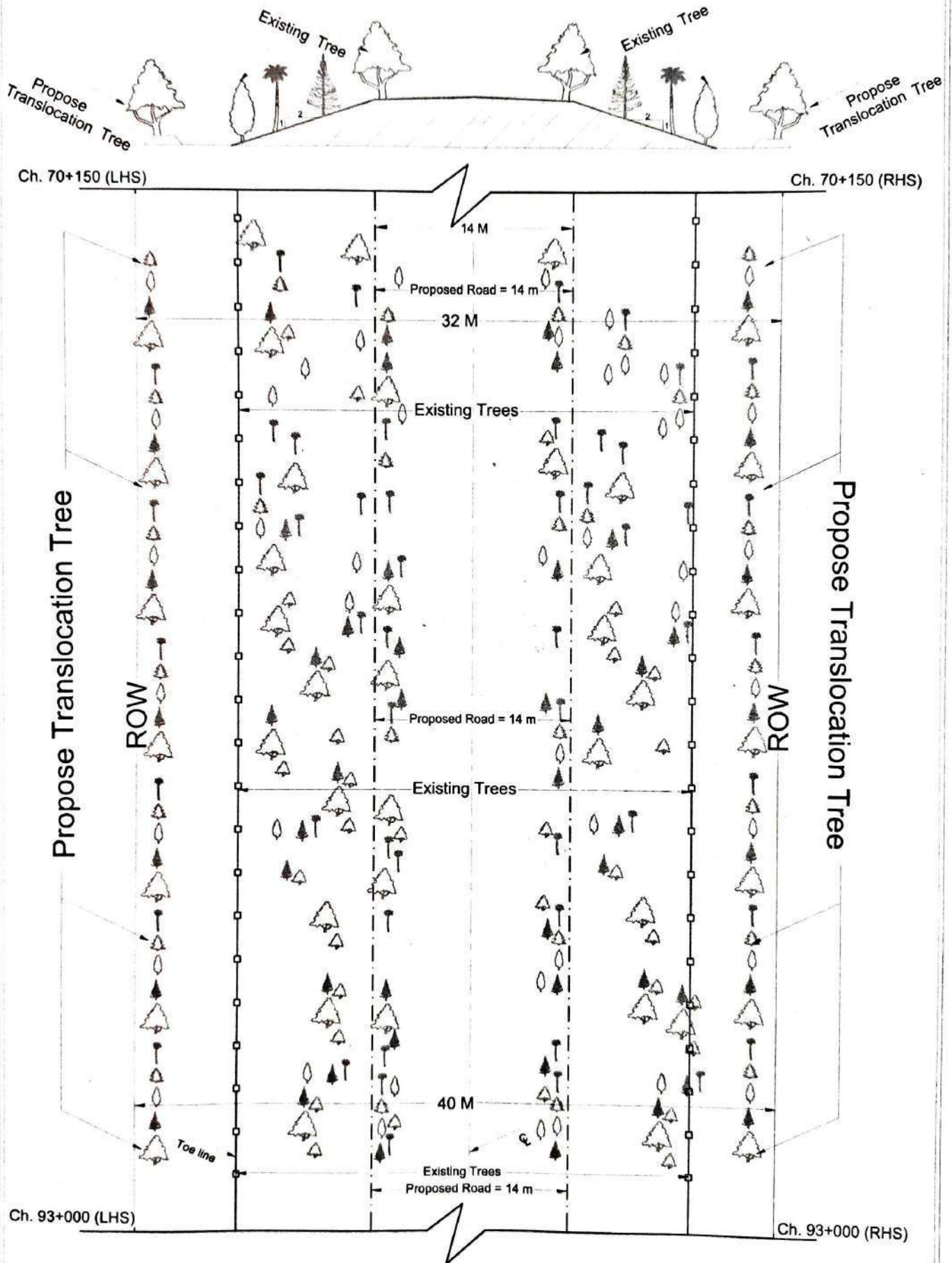
Tree protection:

Project Period: 2021-22 to 2022-23

Tree Protection Period: 2021-22 to 2023-24

Name Of Road : **Rehabilitation & Widening work for 2 - Lane with paved shoulder of existing National Highway 80 Alignment from KM 70.150 to Km 121.025 Munger - Sultanganj - Bhagalpur section in the state of Bihar under EPC Mode. Munger Div. From km 70.150 to 93.000 part of project.**

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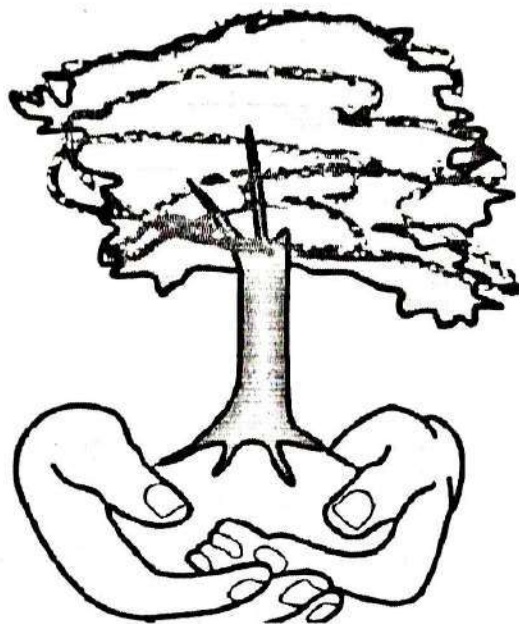


TREE TRANSLOCATION PLAN

3. METHODOLOGY OF TREE TRANSLOCATION

Name of Project :- "Rehabilitation & Widening work for 2 – Lane with paved shoulder of existing National Highway 80 Alignment from KM 70.150 to Km 121.025 Munger – Sultanganj - Bhagalpur section in the state of Bihar" on EPC Mode. Bhagalpur Div. from km 93.00 to km 121.025 Part of Project.

Subject:- Methodology of Tree Translocation within ROW



Methodology of Tree Translocation

1.General

2.Soil Testing

3.Tree Preparation

4.Root Excavation

Method

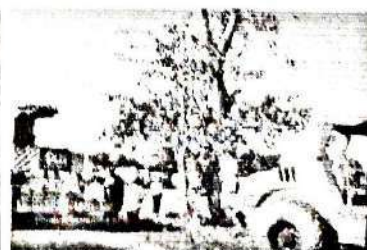
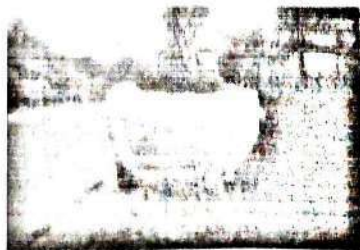
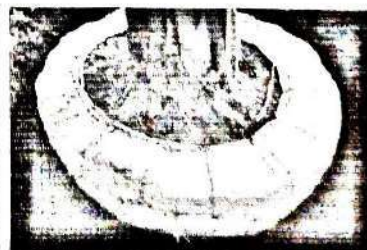
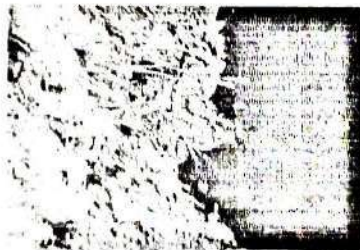
5.Transport

6.Planting Procedure

7.Tree Support

8.Watering

9.Maintenance



CONTENTS

1. **General :** Translocation or Transplantation of trees from one location to another site is a major operation. The work shall be executed & supervised by a well experienced person in this type of work. Roots investigation, Diagnosis of health & Treatment of infected area must be executed before initiation. The most difficult job is production of root ball by digging mechanically and manually all around the tree, carefully cutting the roots, then wrapping the root ball in netting. The difficulty is to handle the root ball without causing deformation
2. **Soil Testing :** The work shall be executed & supervised by a well experienced person in this type of work. Analysis of the soil at the proposed transplant site where the tree has to be translocated and if require any, import backfill materials so that appropriate amendments applied. Analysis may include pH, Organic Matter, Major and Trace Elements and Exchangeable Cations.

3.Tree Preparation :

3.1 Formative Pruning - Selectively remove specific branches to enhance form and improve structure, and to directionally shape the tree. With smaller diameter branches it may be necessary to reduce the branch to a dormant bud. Formative pruning shall aim to reduce the development of structural weaknesses and to accommodate site constraints and reduce encroachment on utilities as the tree grows.



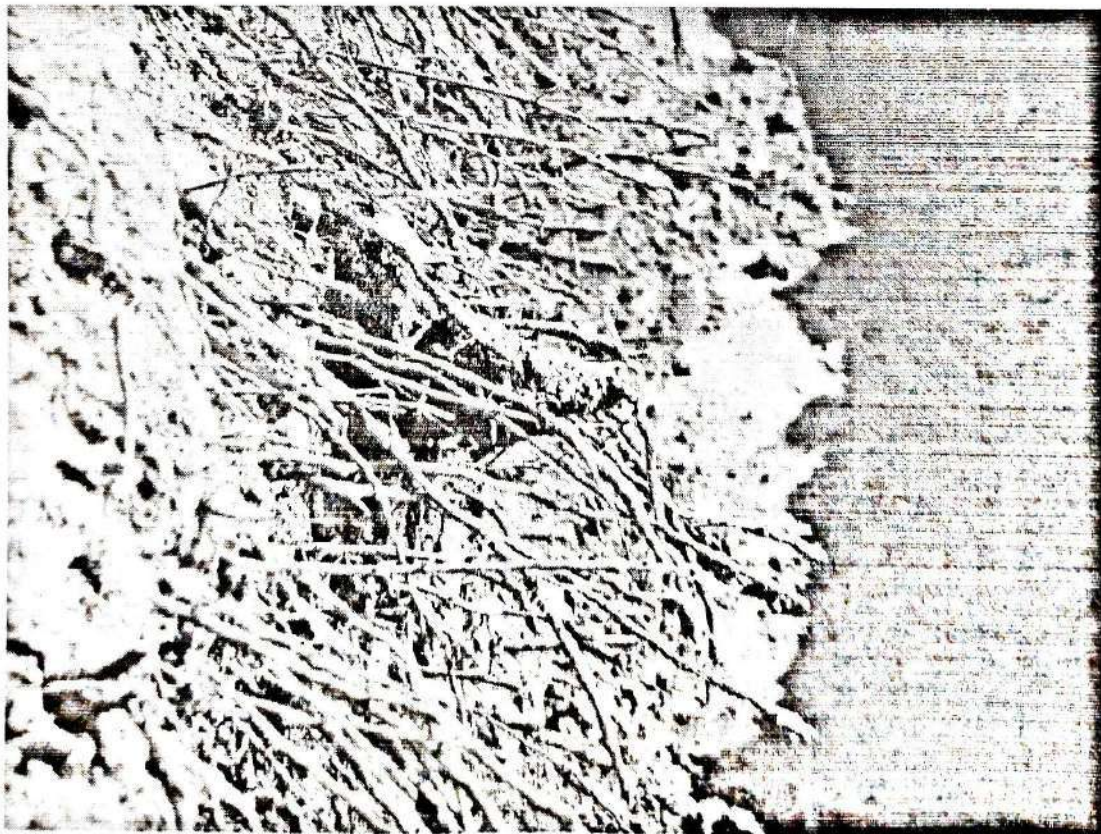
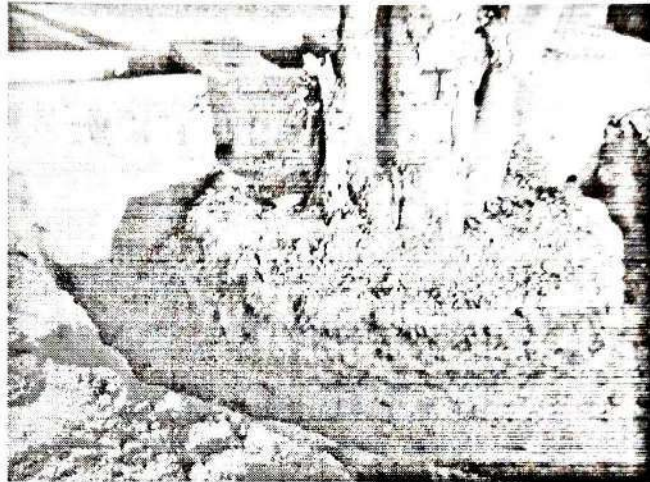
3.2 Root Preparation Requirements and Responsibilities -

In all cases a preparation of the root system, that is to say, a circular partial cutting of the roots all around the tree is strongly recommended one to two months before transplanting.

This ring cutting has the objective of spreading the period of trauma to which the tree is subjected so as to permit it to react in the best way.

Root pruning and soaking shall be carried out a minimum of 1 month before transplanting.

The pruning trench shall be backfilled with a sandy soil mixture and kept moist



leading up to the transplant date. The soil moisture content shall be maintained to adequately support the health of the tree. The remaining soil shall be used to build a water holding berm around the outside of the backfilled trenches.

4. Root Excavation Method : Prior to digging, the soil around the root system shall be thoroughly moistened to help keep the root ball together.

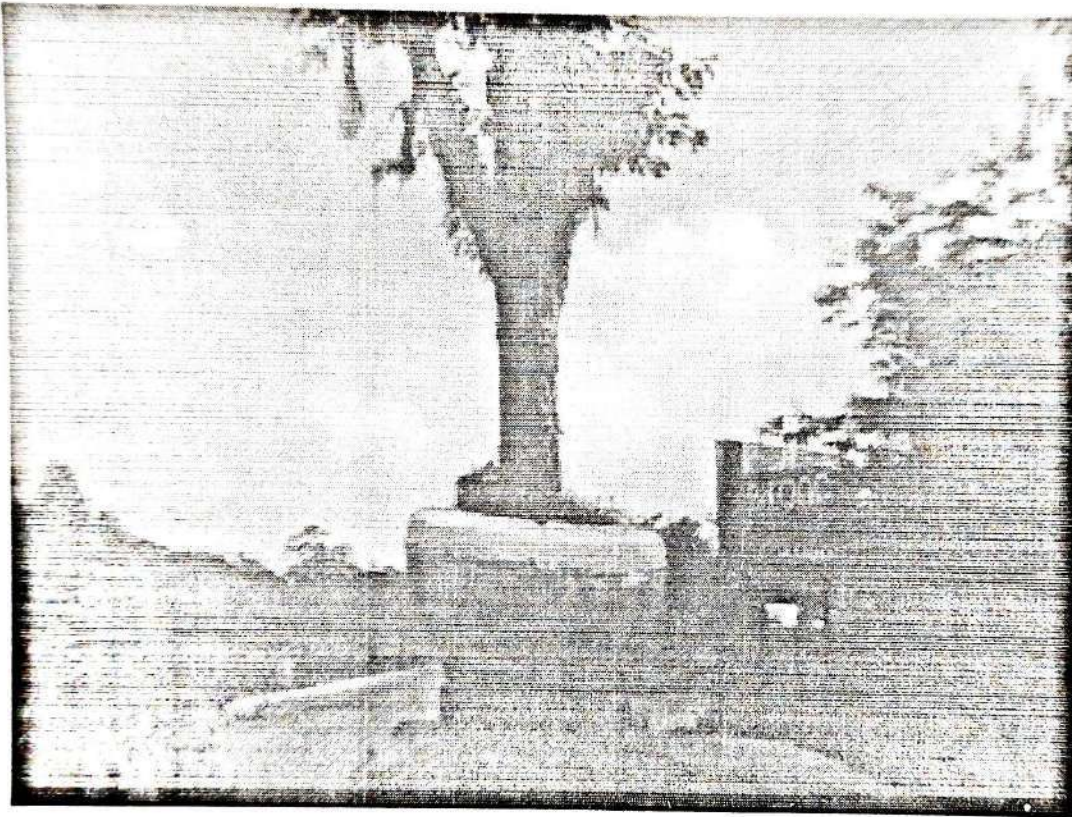
The root ball shall be excavated around the outside of the root trench. All exposed roots shall be pruned flush with the face of the root ball. Sharp Blades shall be used to cut roots. Roots shall be cut in a way that will not jar and loosen the soil in the root ball. The depth of the root ball is depend on each individual tree species.

Digging below the root ball shall occur when the amount of roots reduce considerably within the root ball trench. This will determine the depth of the root ball. Tension shall be applied by the crane while undercutting the root ball



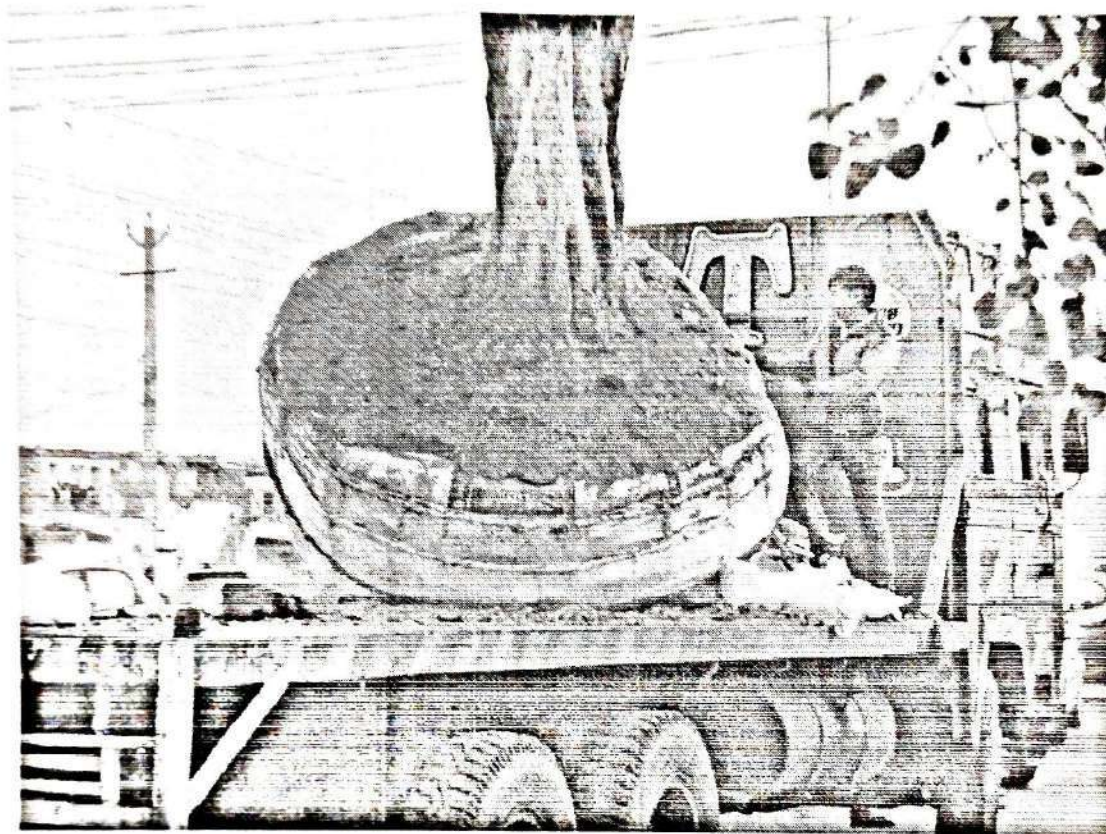
5. Transportation :

5.1 **Lifting Technique** - Lifting of trees shall be carried out or supervised by a qualified and/or suitably experienced person and crane operator using a crane and supports



Appropriate lifting equipment shall be used. Suitable slings shall be attached around a balance point of the trunk and shall provide a support system around the root ball. When a sling is attached to the trunk, padding and protection is required to reduce possible damage. A qualified crane operator shall determine the support system to be used.

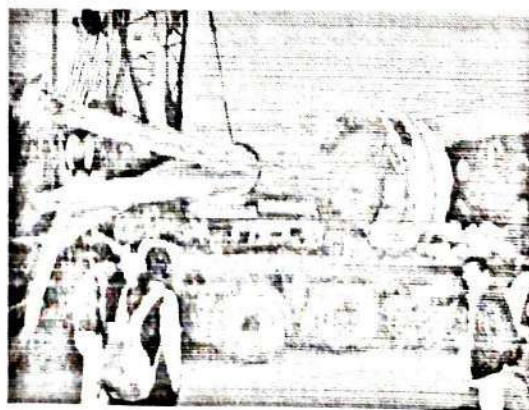
5.2 Preparation for Transport - Only natural fibre materials that have not been chemically treated shall be used to support the root ball. Synthetic materials shall not be used. Burlap shall be applied before moving the tree to protect the



shape and structure of the root ball during transport. Once the tree is lifted burlap shall be used to cover the base of the root ball.

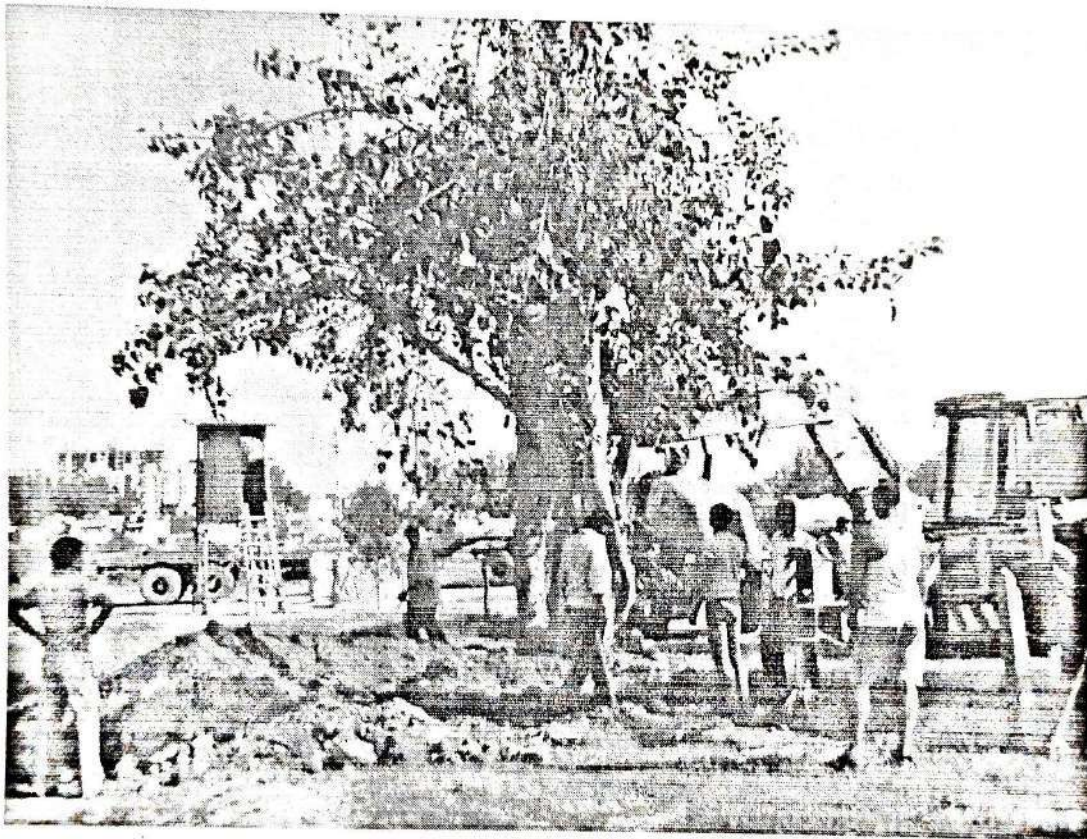
5.3 Transport Vehicle - The transport vehicle shall be adequate to transport the tree without damage.

6. Planting Procedure :



6.1 **Preparation of Planting Hole** - Excavated soil may be used as backfill if it is free of weeds, deleterious materials and particles larger than 25 mm. When backfilling, sedimentary layers in soil shall be observed so topsoil remains above the subsoil.

Remove from site any unsuitable material brought to the surface during



excavation.

The planting hole shall be excavated by spade. The hole shall be 600 mm wider than the diameter of the root ball and no deeper than the height of the proposed root ball. If the depth of the hole exceeds the root ball height, compacted soil shall be added to the hole to prevent settling after transplanting. The sides of the hole shall be roughened to create an irregular surface that will facilitate root penetration

The bottom of the hole shall be decompacted to a depth of 150 mm and lightly compacted.

6.2 **Orientation** - The tree shall be orientated at the new site in the same direction as at the original site.



6.3 **Backfill** - If excavated material is unsuitable for backfill, imported soil shall be used. Imported soil shall be as closely as practicable to the existing site soil. Organic matter shall not be added to the backfill material.

Any soil deficiencies shall be rectified prior to placing backfill.

6.4 **Fertilizer and Soil Additives** - Requirements of fertilizer and/or other soil additives as per experienced person.

(a) TerraCottem

TerraCottem shall be applied as required.

(b) Gypsum

Gypsum shall be applied in accordance with the requirements.

(c) Sugar

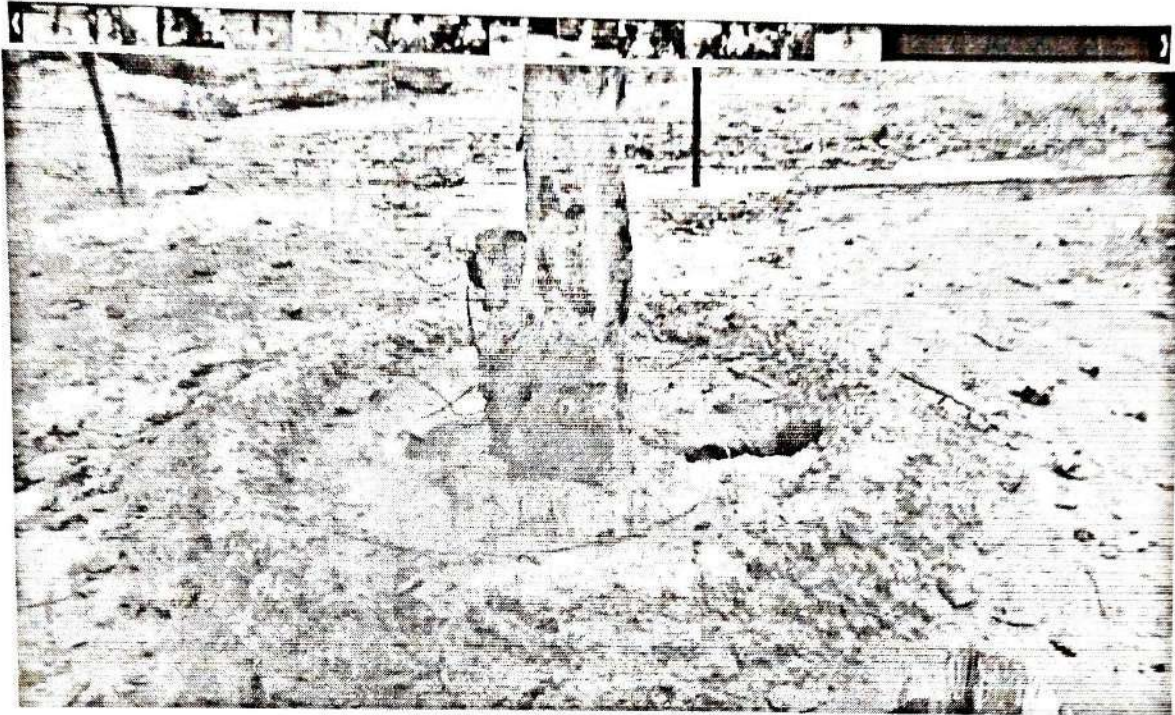
The backfill shall be soil injected with a sucrose solution at 20 grams per liter of water and approximately 100 liters of solution applied per tree. Soil injections of Sucrose Solutions have been shown to improve the defence systems of stressed trees and increase the volume of new roots.

(d) N-Fix

The backfill shall be soil injected with N-Fix at 10 ml N-Fix per 1 litre of water applying approximately 100 litres of solution per tree, evenly injected over the available root zone.

(e) Rooting Hormone

Photographs:

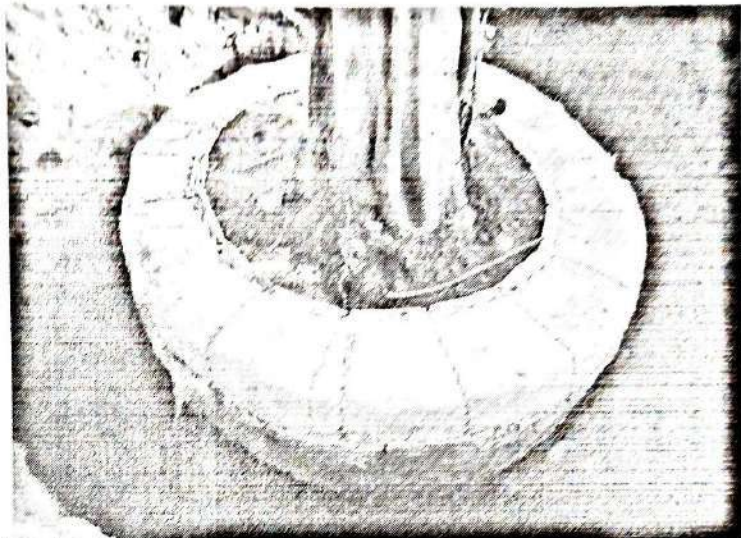


Rooting hormone shall be mixed with the backfill material before the tree is positioned.

7. Tree Support :

Scaffoldings or hydraulic crane should be used to support pre and post translocation of the trees.

8. Watering : Immediately following planting, each tree shall be soaked to remove air pockets from the soil.



Ensure that trees maintain health and are free of water stress at all times.

Monitor moisture levels to determine the exact watering requirements to ensure tree survival.

Water shall be applied to the entire root area and not just the immediate trunk base.

9. Maintenance : The tree shall be maintained for a period of minimum one year.
Regular inspection & strict schedule should be followed.

Hg
20/10/22
J.E

Aditya
20/10/22
A-E

SL
20/10/22
Executive Engineer
N. H. Division
Lakhisarai at Munger

For M.G. Contractors Pvt. Ltd.

Signature
Authority

LIST OF FELLING/Translocation of Trees.

Abstract of trees that are likely to be affected in NH-80 from

KM 70.150 to 93.000

A	Abstract of tree to be cutting								Total
	Sl.No.	Girth Size	0 - 30 cm	31 - 60 cm	61 - 90 cm	91 - 120 cm	121 - 150 cm	>150 cm	
1		LHS	14	101	32	25	11	13	196
2		RHS	16	82	25	29	18	15	185
		Total	30	183	57	54	29	28	381

B	Abstract of tree to be translocate								Total
	SLNo.	Girth Size	0 - 30 cm	31 - 60 cm	61 - 90 cm	91 - 120 cm	121 - 150 cm	>150 cm	
1		LHS	15	144	96	40	16	68	379
2		RHS	15	173	106	46	24	61	425
		Total	30	317	202	86	40	129	804

Total nos. of trees that are likely to be affected in NH-80 = A + B

381	+	804	=	1185
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[Signature]
5.7.22

Executive Engineer

N.H. Division, Lakhisarai at-Munger

[Signature]

5.7.22

पातित छोने वाले वृक्षों की प्रजातियाँ पश्चिम दिग्दर्शी।

4

LHS

क्र. सं.	वृक्षों की प्रजाति	वृक्षों की सं.
1	खजूर	10
2	महुआ	17
3	यकग	14
4	साँव	8
5	धुनाधुना	0
6	आम	60
7	सखुआ	1
8	गजिजरा	2
9	बादाम	3
10	जलेबी	2
11	नारियल	3
12	फरद	2
13	जेहल	3
14	चकुण्डी	1
15	मौलेश्वरी	2
16	जहीर	1
17	गुलमोहर (150 से 0 मी० गोलाई से अधिक)	1
18	शिरीस (150 से 0 मी० गोलाई से अधिक)	4
19	शीशम (150 से 0 मी० गोलाई से अधिक)	1
20	गम्हार (150 से 0 मी० गोलाई से अधिक)	4
कुल-		196

LHS	196
RHS	185
कुल-	381

RHS

क्र. सं.	वृक्षों की प्रजाति	वृक्षों की सं.
1	खजूर	12
2	महुआ	81
3	यकग	18
4	साँव	2
5	धुनाधुना	
6	आम	83
7	वेर	1
8	लथौर	1
9	नारियल	5
10	जलेबी	3
11	जेहल	1
12	शीशम (150 से 0 मी० गोलाई से अधिक)	6
13	गुलमोहर (150 से 0 मी० गोलाई से अधिक)	1
14	अशोक (150 से 0 मी० गोलाई से अधिक)	1
15	शिरीस (150 से 0 मी० गोलाई से अधिक)	2
16	नीम (310 से 0 मी० गोलाई से अधिक)	1
17	गम्हार (150 से 0 मी० गोलाई से अधिक)	7
18	छतवन (150 से 0 मी० गोलाई से अधिक)	1
19	अर्जुन (310 से 0 मी० गोलाई से अधिक)	1
कुल-		185

6/15/2020
वन प्रमंडल पदाधिकारी,
मुंगेर वन प्रमंडल, मुंगेर।
15/11/2020

(3)

**5. CALCULATION OF TREE TRANSLOCATION AT
AVAILABLE / VACANT LOCATION BEYOND ORNAMENTAL
PLANTATION LINE**

Sl. No.	Chainage From	Chainage To	Length (M)	Nos. of Shade tree plants at one side		Remark
				LHS	RHS	
1	70150	70759	609	1	-	
2	70759	70900	141	2	-	
3	70900	71000	100	2	-	BUILTUP AREA
4	71000	71200	200	2	-	BUILTUP AREA
5	71200	71450	250	-	-	BUILTUP AREA
6	71450	71700	250	-	-	BUILTUP AREA
7	71700	71900	200	-	-	BUILTUP AREA
8	71900	72000	100	-	-	BUILTUP AREA
9	72000	72200	200	-	-	BUILTUP AREA
10	72200	72500	300	-	-	BUILTUP AREA
11	72500	72700	200	-	-	BUILTUP AREA
12	72700	72900	200	-	-	BUILTUP AREA
13	72900	73000	100	-	-	BUILTUP AREA
14	73000	73200	200	3	3	
15	73200	73473	273	2	5	
16	73473	73473	0	-	-	
17	73473	76488	3015	-	-	
19	76488	76900	412	5	-	BUILTUP AREA
20	76900	77000	100	2	-	BUILTUP AREA
21	77000	77100	100	2	-	BUILTUP AREA
22	77100	77300	200	2	-	BUILTUP AREA
23	77300	77500	200	1	-	BUILTUP AREA
24	77500	77700	200	2	-	BUILTUP AREA
25	77700	78000	300	2	-	BUILTUP AREA
26	78000	78100	100	3	-	BUILTUP AREA
27	78100	78300	200	5	-	BUILTUP AREA
28	78300	78700	400	1	-	BUILTUP AREA
29	78700	79000	300	-	-	BUILTUP AREA
30	79000	79300	300	21	42	
31	79300	79500	200	30	9	
32	79500	79700	200	3	38	
33	79700	80000	300	27	55	
34	80000	80300	300	30	27	
35	80300	80500	200	24	18	
36	80500	80700	200	18	-	
37	80700	81000	300	60	-	
38	81000	81300	300	10	5	

Sam

tim

ad

sk

(2)

**D. CALCULATION OF TREE TRANSLOCATION AT
AVAILABLE / VACANT LOCATION BEYOND ORNAMENTAL
PLANTATION LINE**

Sl. No.	Chainage From	Chainage To	Length (M)	Nos. of Shade tree plants at one side		Remark
				LHS	RHS	
39	81300	81500	200	27	15	
40	81500	81700	200	14	22	
41	81700	82000	300	30	-	
42	82000	82300	300	14	33	
43	82300	82500	200	9	8	
44	82500	82700	200	5	4	
45	82700	83000	300	-	-	
46	83000	83200	200	3	3	
47	83200	83500	300	-	3	
48	83500	83700	200	9	11	
49	83700	84000	300	3	15	
50	84000	84200	200	-	-	BUILTUP AREA
51	84200	84500	300	-	-	BUILTUP AREA
52	84500	84700	200	-	-	BUILTUP AREA
53	84700	85000	300	-	-	BUILTUP AREA
54	85000	85200	200	-	-	BUILTUP AREA
55	85200	85500	300	-	-	BUILTUP AREA
56	85500	85700	200	-	-	BUILTUP AREA
57	85700	85900	200	-	-	BUILTUP AREA
58	85900	86000	100	-	-	BUILTUP AREA
59	86000	86200	200	-	-	BUILTUP AREA
60	86200	86250	50	-	-	BUILTUP AREA
61	86250	86400	150	-	-	BUILTUP AREA
62	86400	86600	200	-	-	BUILTUP AREA
63	86600	86800	200	-	-	BUILTUP AREA
64	86800	87000	200	-	-	BUILTUP AREA
65	87000	87200	200	-	-	BUILTUP AREA
66	87200	87400	200	-	-	BUILTUP AREA
67	87400	87600	200	-	-	BUILTUP AREA
68	87600	87800	200	3	3	
69	87800	88050	250	-	-	
70	88050	88250	200	-	-	BUILTUP AREA
71	88250	88450	200	1	2	BUILTUP AREA
72	88450	88650	200	2	1	BUILTUP AREA
73	88650	88850	200	1	2	BUILTUP AREA
74	88850	89050	200	1	2	BUILTUP AREA
75	89050	89250	200	2	1	BUILTUP AREA







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**9. CALCULATION OF TREE TRANSLOCATION AT
AVAILABLE / VACANT LOCATION BEYOND ORNAMENTAL
PLANTATION LINE**

Sl. No.	Chainage From	Chainage To	Length (M)	Nos. of Shade tree plants at one side		Remark
				LHS	RHS	
76	89250	89350	100	1	2	BUILTUP AREA
77	89350	89450	100	1	1	BUILTUP AREA
78	89450	89650	200	2	2	BUILTUP AREA
79	89650	89850	200	1	1	BUILTUP AREA
80	89850	90050	200	2	1	BUILTUP AREA
81	90050	90250	200	3	5	
82	90250	90450	200	-	8	
83	90450	90650	200	17	16	
84	90650	90900	250	2	15	
85	90900	91200	300	-	-	
86	91200	91500	300	4	7	BUILTUP AREA
87	91500	91700	200	-	2	BUILTUP AREA
88	91700	92000	300	-	-	BUILTUP AREA
89	92000	92200	200	-	-	BUILTUP AREA
90	92200	92500	300	-	-	BUILTUP AREA
91	92500	92700	200	-	-	BUILTUP AREA
92	92700	93000	300	-	-	BUILTUP AREA
Total length=				417	387	
				804		

[Signature]
20/10/22
J.E.

[Signature]
20/10/22
A.E.

[Signature]
20/10/22
EXECUTIVE ENGINEER
N.H. DIVISION, MUNGER

For M.G. Contractors Pvt. Ltd.

[Signature]
Authorized Signatory



बिहार सरकार

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
कार्यालय, वन प्रमंडल पदाधिकारी, भागलपुर वन प्रमण्डल, भागलपुर
सुन्दरवन, हनुमान घाट, बरारी रोड, भागलपुर पिन - 812003
ई-मेल - dfobhagalpur@gmail.com

पत्रांक : - 1584

भागलपुर, दिनांक : - 02/11/2022

प्रेषक,

भरत चिन्तपल्लि "भा०व०से०"
वन प्रमंडल पदाधिकारी,
भागलपुर वन प्रमंडल, भागलपुर।

सेवा में,

अपर प्रधान मुख्य वन संरक्षक (कैम्पा),
बिहार, पटना।

विषय :-

मुंगेर एवं भागलपुर जिलान्तर्गत NH-80 मुंगेर-बरियारपुर-सुल्तानगंज (70.150 से 121.025 कि०मी०) पथांश के चौड़ीकरण एवं सुदृढ़ीकरण हेतु वन (संरक्षण) अधिनियम, 1980 के तहत 34.212 हे० वन भूमि अपयोजन प्रस्ताव पर पृच्छा के संबंध में।

प्रसंग :-

भवदीय पत्रांक - 824 दिनांक - 13/09/2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र द्वारा माँगी गई प्रतिवेदन में पृच्छाओं का निराकरण निम्नवत् है :-

क्र० सं०	पृच्छा	निराकरण
1	The KML file of the proposed area should be corrected and uploaded.	प्रयोक्ता एजेंसी से प्राप्त KML file संलग्न है।
2	Tree Translocation plan should be meticulously designed in consultation with forest department keeping past results in mind. Such comprehensive translocation plan must be submitted with the proposal.	कार्यपालक अभियंता, राष्ट्रीय उच्च पथ प्रमंडल, पथ निर्माण विभाग, भागलपुर का पत्रांक - 972, दिनांक - 13/10/2022 द्वारा प्रति समर्पित की गई है। (छायाप्रति संलग्न)
3	The User agency shall prepare and submit Roadside Plantation Scheme as per the IRC norms on the basis of available blank area in ROW to maintained greenery along the upgraded road. Such plantation Scheme shall be implemented by the State Forest Department at the cost provided by User Agency through CAMPA.	कार्यपालक अभियंता, राष्ट्रीय उच्च पथ प्रमंडल, पथ निर्माण विभाग, भागलपुर का पत्रांक - 877, दिनांक - 07/09/2022 द्वारा प्रति समर्पित की गई है। (छायाप्रति संलग्न)

अनु०: - यथोक्त।

विश्वाभूषण

वन प्रमण्डल पदाधिकारी,
भागलपुर वन प्रमंडल, भागलपुर।

कार्यपालक अभियंता का कार्यालय

राष्ट्रीय उच्च पथ प्रमंडल, पथ निर्माण विभाग, भागलपुर।

e-mail Id-eehbhagalpur1@gmail.com

पत्रांक:- 972 (31/10/22)

भागलपुर

दिनांक:- 13/10/22

प्रेषक :-

कार्यपालक अभियंता,
राष्ट्रीय उच्च पथ प्रमंडल,
पथ निर्माण विभाग, भागलपुर।

सेवा में,

वन प्रमंडल पदाधिकारी,
भागलपुर।

विषय:- मुंगेर एवं भागलपुर जिलान्तर्गत NH-80 मुंगेर-बरियारपुर-सुलतानगंज-दोगच्छी (कि०मी० 70.150 से 121.025) पथांश के चौड़ाकरण एवं सुदृढ़ीकरण कार्य के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि विषयांकित पथांश में कि०मी० 93.000 (घोरघट) से 121.025 (दोगच्छी) तक भागलपुर जिलान्तर्गत आता है। इस पथांश में 400 cm से ज्यादा Girth वाले वृक्षों की संख्या पथ के बाये तरफ 26 एवं दाये तरफ 14 कुल 40 वृक्ष है। दिनांक 11.10.2022 को भवदीय कार्यालय में हुए बैठक में निर्देश दिया गया था कि 400 cm से ज्यादा Girth वाले वृक्ष को Construction के दौरान बचाने की कोशिश करना है। कुछ वृक्ष वर्तमान सड़क के काफी करीब है जिसे चौड़ीकरण के दौरान पातित होने के बचाना संभव नहीं है। कुछ वृक्ष वर्तमान पथ के किनारे से लगभग 4-6 मीटर की दूरी पर है। जिसे Construction के दौरान पातित होने से बचाया जा सकता है। बचाये जाने वाले वृक्ष बायी तरफ 138-L, 169-L, 977-L, 1197-L एवं दायी तरफ 425-R, 510-R, 643-R, 797-R, 938-R है।

दिनांक 11.10.2022 को भवदीय कार्यालय में हुए बैठक में 60 cm से कम Girth वाले सहजन के पेड़ को स्थानान्तरित करने का निर्देश दिया गया जिसके हिसाब से वृक्षों की सूची को संशोधित करने के उपरान्त पातित वृक्षों की संख्या 2006 एवं प्रतिस्थापित वृक्षों की संख्या 897 है। जिसे पत्र के साथ संलग्न कर अग्रतर कार्रवाई करने हेतु समर्पित किया जाता है।
अनु०-यथोक्त।

विश्वासभाजन

कार्यपालक अभियंता,

रा०उ०प० प्रमंडल, प०नि०वि०, भागलपुर।

Abstract of tree Counting in NH-80 From Km 93.000(Ghorghat) to Km 121.025(Dogacchi)

S.No	Particulars	Tree in LHS	Tree in RHS	Total no. of Trees
1	Cutting	1078	928	2006
2	Translocation	950	947	1897
3	Total no of Trees	2028	1875	3903

Ashish
13/10/2022
A.E.

B. H. /
13/10/2022
Executive Engineer
N.H. Div. R.C.D., Bhagalpur

कार्यपालक अभियंता का कार्यालय

राष्ट्रीय उच्च पथ प्रमंडल, पथ निर्माण विभाग, भागलपुर।

Email id: eenhbhagalpur1@gmail.com

पत्रांक:- 877 (3108)

भागलपुर

दिनांक:- 7-9-22

प्रेषक :-

कार्यपालक अभियंता,
राष्ट्रीय उच्च पथ प्रमंडल,
पथ निर्माण विभाग, भागलपुर।

सेवा में,

वन प्रमंडल पदाधिकारी,
भागलपुर।

विषय:-

मुंगेर एवं भागलपुर जिलान्तर्गत NH-80 मुंगेर-हरियारपुर-सुलातनगंज-दोगच्छी (कि०मी० 70. 150 से 121.025) पथांश के चौड़ीकरण एवं सुदृढीकरण हेतु वन (संरक्षण) अधिनियम 1980 के तहत 34.212 हे० भूमि अपयोजन के संबंध में।

प्रसंग:-

Minutes of the 53rd meeting of Regional Empowered Committee (REC) of Integrated Regional Office (IRO), Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, Ranchi held on 05.08.2022

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र द्वारा मांगी गई प्रतिवेदन में पृच्छाओं का निराकरण निम्नवत है

क्र०	पृच्छा	निराकरण
1	The State Forest Department should closely examine the proposals and should only forward the application to central government if found complete and in proper order with all the relevant details	इस कार्यालय से संबंधित नहीं है।
2	The KML file of the proposed area should be corrected and uploaded	मागरिखन का KML File में सटीक रूप से दर्शाना GPS सर्वेक्षण के आधार पर संभव नहीं है। KML File को यथासंभव सुधार कर Portal पर Upload किया जा रहा है। विचलन को GPS Accuracy error माना जा सकता है।
3	Tree Translocation plan should be meticulously designed in consultation with forest department keeping past results in mind. Such comprehensive translocation plan must be submitted with the proposal	60cm Girth से कम वाले वृक्षों को स्थानांतरण बचे हुए ROW के उपलब्ध भूमि में स्थानान्तरित कराया जायेगा। ROW में भूमि उपलब्ध न होने की स्थिति में चिन्हित स्थानों पर वृक्षों का स्थानांतरण कराया जायेगा।
4	The User agency shall prepare and submit Roadside Plantation Scheme as per the IRC norms on the basis of available blank area in RoW to maintain greenery along the upgraded road. Such Plantation Scheme shall be implemented by the State Forest Department at the cost provided by User Agency through CAMPA.	Roadside Plantation Scheme तैयार कर इस पत्र के साथ संलग्न किया जा रहा है।

विश्वासभाजन

कार्यपालक अभियंता,

रा०उ०प० प्रमंडल, प०नि०वि०, भागलपुर।

ROAD CONSTRUCTION DEPARTMENT, NH DIVISION, BHAGALPUR

AVENUE PLANTATION SCHEME AS PER IRC:SP:21

**MUNGER TO BHAGALPUR, FROM KM 70.150 TO
121.025 OF NH-80**

**Bhagalpur Div. From km 93.000 to 121.025 part of
project**

DATE: 9/7/2022

Contents

1. Introduction
2. Necessity of Plantation
3. Specifications of Plantation
4. Summary of tree plantation
5. Annexure-I
-Estimate and Kilometer wise calculation of tree plantation is as below-

1. INTRODUCTION:

The Authority has awarded the project "Rehabilitation & Widening work for 2 – Lane with paved shoulder of existing National Highway 80 Alignment from KM 70.150 to Km 121.025 Munger – Sultanganj - Bhagalpur section in the state of Bihar" to the EPC Contractor.

This report explains Avenue Plantation Planning & its Estimate for Ghorghat-Bhagalpur from km 93.000 to 121.025 which is part of above project.

2. NECESSITY OF PLANTATION:

For this purpose the **total 3903 number of trees** are found within proposed toe line of the project highway. Out of that less than 60cm girth **1781** no. of trees are proposed for **Translocation** and more than 60cm girth **2122** no. of trees are proposed for **felling**. Refer abstract of tree counting from km 93.000 to km 121.025.

To counterbalance the loss of trees and other changes resulted into the surroundings; there is a need to follow the approach of "Corridor Development & Management", rather than "Highway Development". Apart from mitigating the environmental losses, it must plan to enhance the aesthetics of the highway corridor from all possible angles. Highways should not be looked upon merely as a means of transportation, but as a part and parcel of the environmental and socio-economic milieu.

3. SPECIFICATIONS FOR PLANTATION:

Specifications for plantation like height of plant, spacing between plants, selection of plants, pit size etc. will be followed according to Table in Cl. 11.14 of IRC: SP: 21 as below-

11.14 Specifications for Avenue Plantations

11.14.1 The technical specifications for planting along the Highways are as follows :

Ornamental Plants (Except Last Row)

Distance from embankment	1.0 m away from the toe of the embankment
Spacing between plant to plant	3 m
Spacing between rows	3 m
Size of the pits	60x60x60 cm (in alkaline soils, kankar panes to be broken by augur. In waterlogged areas, mound with height varying depending on water level)
No. of plants per km	333
Height of the saplings at the time of planting	1.5 m to 2 m
Survival percentage of plantation	90% at any time

Shade Plants (Last Row)

Distance from preceding rows	3.0 m
Spacing between plant to plant	8-12 m (6 m if high mortality expected)
Size of the pits	60x60x60 cm (in alkaline soils, kankar panes to be broken by augur. In waterlogged areas, mound with height varying depending on water level)
No. of plants per km	84 (167 at 6 m spacing)
Height of the saplings at the time of planting	More than 2 m
Survival percentage of plantation	90% after replacement of casualties in first two years. 80% afterwards

Distance of 1st row of Ornamental Plants is considered as 1m from Toe line and spacing between plant to plant is considered as 3m as mentioned in 1st table above.

Distance of 2nd row of Shade Plants is considered as 3m from 1st row (preceding row) and spacing between plant to plant is considered as 8m as mentioned in 2nd table above.

However, the RoW is limited and there do exist some trees within Toe line & RoW line; shade tree plantation is not considered.

According to Clause 1.4 of Schedule-C protection will be provided of Tree Guard with MS angle Iron and steel wire, though plastic wire mesh has been mentioned in REC Meeting No.-53 at IRO Ranchi dated 05.08.2022, for Munger - Bhagalpur (Package-1) NH-80

4. Summary of plantation calculation:

Total no. of Ornamental tree plantation LHS: 4733 Nos.

Total no. of Ornamental tree plantation RHS: 4733 Nos.

=====

Total no. of Ornamental tree plantation BHS: 9466 Nos.

Total no. of Shade tree plantation LHS: Nil

Total no. of Shade tree plantation RHS: Nil

=====

Total no. of Shade tree plantation BHS: Nil

Some trees of girth below 600mm can be "Transplanted" out of Total 1980 trees as mentioned in para no.2 above; from construction zone to vacant area, if available, lying between Toe line & RoW line as "Transplantation" is in scope of EPC Contractor. Remaining trees will be Transplanted to the land identified by Forest Department.

5. Annexure-I (Calculation Table of plantation is enclosed)

6. Analysis of Rate from Bihar SOR 2022 is as following-

Analysis of Rate

HORTICULTURE

Sr. No.	Ref. to MoRTH Spec.	Description	Unit	Quantity as per project category			Rate (₹)	Amount			Input ref.
				Large	Medium	Small		Large	Medium	Small	
							Say	229969.70	234126.60	238383.40	
11.09	307	Planting of Trees and their Maintenance for one Year									
		Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year.									
		Unit = Each									
		Taking output = 10 trees									
		a) Labour									
		Mate	day	0.680	0.680	0.680	325.00	221.00	221.00	221.00	L-12
		Mazdoor for planting	day	2.000	2.000	2.000	306.00	612.00	612.00	612.00	L-13
		Mazdoor for maintenance for one year	day	15.000	15.000	15.000	306.00	4590.00	4590.00	4590.00	L-13
		b) Machinery									
		Water tanker 6 KL capacity	hour	2.000	2.000	2.000	707.00	1414.00	1414.00	1414.00	PM-11003
		c) Material									
		Sapling 2 m high 25 mm dia	each	10.000	10.000	10.000	25.55	255.50	255.50	255.50	M-161
		Farm yard manure	cum	0.940	0.940	0.940	278.90	262.17	262.17	262.17	M-168
		Pesticide	kg	0.500	0.500	0.500	80.97	40.49	40.49	40.49	M-135
		Cost of water	KL	12.000	12.000	12.000	56.20	674.40	674.40	674.40	M-191
		d) Overhead charges @ on (a+b+c)		(@ 8%)	(@ 10%)	(@ 12%)		645.55	806.96	968.35	
		e) Contractor's profit @ on (a+b+c+d)		(@ 10%)	(@ 10%)	(@ 10%)		671.51	837.65	903.79	
		Cost for 10 trees = a+b+c+d+e						958.63	976.16	994.19	
		Rate per trees = (a+b+c+d+e)/10						95.86	97.62	99.42	
							Say	958.70	976.40	994.20	

504

Abhishek
07/09/2022
A.E

ABHISHEK
07/09/2022
Executive Engineer
N.H.Division, R.C.D
Bhagalpur

**Ghorghat to Dogacchi , FROM KM 93.000 to 121.025 OF NH-80
(Bhagalpur NH Div.)**

Abstract of Amount

S. N.	SOR Item No.	Morth Ref Number	Description	Amount in (Rs)
1	11.09	307	Avenue Plantation of Ornamental plants	1,04,44,141
			Total	1,04,44,141

Ashish
07/09/2022
A.E.

ABHJ
07/09/2022
Executive Engineer
N.H.Division, R.C.D
Bhagalpur

Ghorghat to Dogacchi , FROM KM 93.000 to 121.025 OF NH-80 (Bhagalpur NH Div.)							
Estimate of Road side Avenue plantation							
S. N.	SOR Item No.	Morth Ref Number	Description	Unit	Quantity	Rate	Amount in (Rs)
			Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year				
1	11.09	307	Ornamental plants	No.	9466	976.40	92,42,602
			Total				92,42,602
			GST @12%				11,09,112.29
			Labour Cess 1%				92,426.02
			Grand Total Amount Rs				1,04,44,141

Abhil
07/09/2022
P.E.

Abhil
07/09/2022
Executive Engineer
N.H.Division, R.C.D
Bhagalpur

Office of the Executive Engineer

N.H. Division ~~Chennai~~ **Bhagalpur**E-Mail: ~~chennai.nh@vsnl.com~~ **ee.nh.bhagalpur@vsnl.com** Mob. No. 9470001314

9470001313.

W of NH-80 from Km 93+000 to km 121+025 & Planning of Avenue Plantation

Plan of NH-80 from Km 93+000 to km 121+025 & Planning of Avenue Plantation												
Sl. No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
1	93000	93413	413	5.03	5.03	10.06	12.50	0.00	0.00	0	138	0
2	93413	93438	25	5.03	5.03	10.06	12.50	0.00	0.00	0	8	0
3	93438	93440	2	5.03	5.03	10.06	12.50	0.00	0.00	0	1	0
4	93440	93466	26	5.03	5.03	10.06	12.50	0.00	0.00	0	9	0
5	93466	93483	17	5.03	5.03	10.06	12.50	0.00	0.00	0	6	0
6	93483	93507	24	5.03	5.03	10.06	12.50	0.00	0.00	0	8	0
7	93507	93522	15	7.01	7.01	14.02	12.50	1.52	0.76	0	5	0
8	93522	93556	34	7.01	7.01	14.02	12.50	1.52	0.76	0	11	0
9	93556	93580	24	7.01	7.01	14.02	12.50	1.52	0.76	0	8	0
10	93580	93600	20	10.06	10.06	20.12	12.50	7.62	3.81	1	7	7
11	93600	93650	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
12	93650	93700	50	10.06	10.06	20.12	12.50	7.62	3.81	1	17	17
13	93700	93750	50	10.06	10.06	20.12	12.50	7.62	3.81	1	17	17
14	93750	93800	50	16.77	16.77	33.54	12.50	21.04	10.52	1	17	17
15	93800	93850	50	16.77	16.77	33.54	12.50	21.04	10.52	1	17	17
16	93850	93900	50	16.77	16.77	33.54	12.50	21.04	10.52	1	17	17
17	93900	93950	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
18	93950	94000	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
19	94000	94050	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
20	94050	94100	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
21	94100	94150	50	15.24	15.24	30.49	12.50	17.99	8.99	1	17	17
22	94150	94200	50	13.11	13.11	26.22	12.50	13.72	6.86	1	17	17
23	94200	94250	50	12.20	12.20	24.39	12.50	11.89	5.95	1	17	17
24	94250	94300	50	12.20	12.20	24.39	12.50	11.89	5.95	1	17	17
25	94300	94350	50	12.20	12.20	24.39	20.68	3.71	1.86	1	17	17
26	94350	94400	50	12.20	12.20	24.39	20.68	3.71	1.86	1	17	17
27	94400	94450	50	10.98	10.98	21.95	20.68	1.27	0.64	0	17	0
28	94450	94500	50	7.85	7.85	15.69	20.68	0.00	0.00	0	17	0
29	94500	94550	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
30	94550	94600	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
31	94600	94650	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
32	94650	94700	50	4.88	4.88	9.76	20.68	0.00	0.00	0	17	0
33	94700	94750	50	4.57	4.57	9.15	20.68	0.00	0.00	0	17	0
34	94750	94800	50	3.05	3.05	6.10	20.68	0.00	0.00	0	17	0
35	94800	94850	50	3.96	3.96	7.93	20.68	0.00	0.00	0	17	0
36	94850	94900	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
37	94900	94950	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
38	94950	95000	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
39	95000	95050	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
40	95050	95100	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
41	95100	95150	50	7.93	7.93	15.85	15.34	0.51	0.26	0	17	0
42	95150	95200	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
43	95200	95250	50	7.93	7.93	15.85	15.34	0.51	0.26	0	17	0
44	95250	95300	50	10.98	10.98	21.95	15.34	6.61	3.31	1	17	17
45	95300	95350	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
46	95350	95400	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
47	95400	95450	50	10.98	10.98	21.95	15.34	6.61	3.31	1	17	17
48	95450	95500	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
49	95500	95550	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
50	95550	95600	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
51	95600	95650	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
52	95650	95700	50	5.79	5.79	11.59	12.50	0.00	0.00	0	17	0
53	95700	95750	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
54	95750	95800	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
55	95800	95850	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
56	95850	95900	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
57	95900	95950	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
58	95950	96000	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
59	96000	96050	50	19.82	19.82	39.63	12.50	27.13	13.57	1	17	17

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
60	96050	96090	40	17.68	17.68	35.37	12.50	22.87	11.43	1	13	13
61	96090	96100	10	15.98	15.98	31.96	12.50	19.46	9.73	1	3	3
62	96100	96150	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
63	96150	96200	50	17.78	17.78	35.57	12.50	23.07	11.53	1	17	17
64	96200	96250	50	12.85	12.85	25.71	12.50	13.21	6.60	1	17	17
65	96250	96300	50	12.85	12.85	25.71	12.50	13.21	6.60	1	17	17
66	96300	96350	50	14.81	148.48	163.29	12.50	150.79	75.39	1	17	17
67	96350	96400	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
68	96400	96450	50	14.81	148.48	163.29	12.50	150.79	75.39	1	17	17
69	96450	96500	50	14.81	148.48	163.29	12.50	150.79	75.39	1	17	17
70	96500	96550	50	14.81	148.48	163.29	12.50	150.79	75.39	1	17	17
71	96550	96600	50	17.68	17.68	35.37	12.50	22.87	11.43	1	17	17
72	96600	96650	50	18.77	188.11	206.88	12.50	194.38	97.19	1	17	17
73	96650	96700	50	18.77	188.11	206.88	12.50	194.38	97.19	1	17	17
74	96700	96750	50	14.81	148.48	163.29	12.50	150.79	75.39	1	17	17
75	96750	96800	50	12.85	128.66	141.51	12.50	129.01	64.51	1	17	17
76	96800	96850	50	12.85	128.66	141.51	12.50	129.01	64.51	1	17	17
77	96850	96900	50	12.85	128.66	141.51	12.50	129.01	64.51	1	17	17
78	96900	96950	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
79	96950	97000	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
80	97000	97050	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
81	97050	97100	50	12.85	128.66	141.51	12.50	129.01	64.51	1	17	17
82	97100	97150	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
83	97150	97200	50	17.78	178.05	195.83	12.50	183.33	91.67	1	17	17
84	97200	97250	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
85	97250	97300	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
86	97300	97350	50	12.85	128.66	141.51	12.50	129.01	64.51	1	17	17
87	97350	97400	50	17.78	17.78	35.57	12.50	23.07	11.53	1	17	17
88	97400	97450	50	14.81	14.81	29.62	12.50	17.12	8.56	1	17	17
89	97450	97500	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
90	97500	97550	50	476.83	476.83	953.66	15.34	938.32	469.16	1	17	17
91	97550	97600	50	29.67	29.67	59.35	15.34	44.01	22.00	1	17	17
92	97600	97650	50	29.67	29.67	59.35	15.34	44.01	22.00	1	17	17
93	97650	97700	50	29.67	29.67	59.35	15.34	44.01	22.00	1	17	17
94	97700	97750	50	25.71	25.71	51.42	15.34	36.08	18.04	1	17	17
95	97750	97800	50	23.78	23.78	47.56	15.34	32.22	16.11	1	17	17
96	97800	97850	50	25.71	25.71	51.42	15.34	36.08	18.04	1	17	17
97	97850	97900	50	24.72	24.72	49.44	15.34	34.10	17.05	1	17	17
98	97900	97950	50	25.71	25.71	51.42	15.34	36.08	18.04	1	17	17
99	97950	98000	50	24.72	24.72	49.44	15.34	34.10	17.05	1	17	17
100	98000	98050	50	24.72	24.72	49.44	15.34	34.10	17.05	1	17	17
101	98050	98100	50	25.71	25.71	51.42	12.50	38.92	19.46	1	17	17
102	98100	98150	50	26.68	26.68	53.35	12.50	40.85	20.43	1	17	17
103	98150	98200	50	27.74	27.74	55.49	12.50	42.99	21.49	1	17	17
104	98200	98250	50	26.68	26.68	53.35	12.50	40.85	20.43	1	17	17
105	98250	98300	50	23.78	23.78	47.56	12.50	35.06	17.53	1	17	17
106	98300	98350	50	23.78	23.78	47.56	12.50	35.06	17.53	1	17	17
107	98350	98400	50	25.71	25.71	51.42	12.50	38.92	19.46	1	17	17
108	98400	98420	20	10.85	10.85	21.70	12.50	9.20	4.60	1	7	7
109	98420	98473	53	10.85	10.85	21.70	12.50	9.20	4.60	1	18	18
110	98473	98523	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
111	98523	98573	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
112	98573	98623	50	15.85	15.85	31.71	12.50	19.21	9.60	1	17	17
113	98623	98673	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
114	98673	98723	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
115	98723	98773	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
116	98773	98823	50	13.72	13.72	27.44	12.50	14.94	7.47	1	17	17
117	98823	98873	50	15.85	15.85	31.71	20.68	11.03	5.51	1	17	17
118	98873	98923	50	11.89	11.89	23.78	20.68	3.10	1.55	1	17	17
119	98923	98973	50	11.89	11.89	23.78	20.68	3.10	1.55	1	20	20
120	98973	99032	59	11.89	11.89	23.78	20.68	0.00	0.00	0	17	0
121	99032	99082	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
122	99082	99132	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
123	99132	99182	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
124	99182	99232	50	7.93	7.93	15.85	20.68	0.00	0.00	0	22	0
125	99232	99299	67	7.93	7.93	15.85	20.68	0.00	0.00	0	22	0

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
126	99299	99322	23	9.76	9.76	19.51	20.68	0.00	0.00	0	8	0
127	99322	99372	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
128	99372	99422	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
129	99422	99472	50	5.79	5.79	11.59	20.68	0.00	0.00	0	18	0
130	99472	99525	53	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
131	99525	99575	50	7.93	7.93	15.85	20.68	1.27	0.64	0	17	0
132	99575	99625	50	10.98	10.98	21.95	20.68	0.00	0.00	0	17	0
133	99625	99675	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
134	99675	99725	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
135	99725	99775	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
136	99775	99825	50	9.88	9.88	19.76	20.68	0.00	0.00	0	17	17
137	99825	99875	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	17
138	99875	99925	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
139	99925	99975	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	17
140	99975	100025	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	17
141	100025	100075	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
142	100075	100125	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
143	100125	100175	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
144	100175	100225	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
145	100225	100275	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
146	100275	100325	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
147	100325	100375	50	10.85	10.85	21.70	12.50	9.20	4.60	1	17	17
148	100375	100425	50	10.85	10.85	21.70	12.50	9.20	4.60	1	17	17
149	100425	100475	50	10.85	10.85	21.70	12.50	9.20	4.60	1	17	17
150	100475	100525	50	12.85	12.85	25.71	12.50	13.21	6.60	1	7	7
151	100525	100545	20	11.89	11.89	23.78	12.50	11.28	5.64	1	15	15
152	100545	100590	45	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
153	100590	100640	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
154	100640	100690	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
155	100690	100740	50	17.78	17.78	35.57	12.50	23.07	11.53	1	17	17
156	100740	100790	50	16.82	16.82	33.63	12.50	21.13	10.57	1	17	17
157	100790	100840	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
158	100840	100890	50	12.85	12.85	25.71	12.50	13.21	6.60	1	17	17
159	100890	100940	50	10.85	10.85	21.70	12.50	9.20	4.60	1	17	17
160	100940	100990	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
161	100990	101040	50	10.85	10.85	21.70	12.50	9.20	4.60	1	17	17
162	101040	101090	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	0
163	101090	101140	50	8.89	8.89	17.78	20.68	0.00	0.00	0	17	0
164	101140	101190	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
165	101190	101240	50	8.89	8.89	17.78	20.68	0.00	0.00	0	17	0
166	101240	101290	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
167	101290	101340	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
168	101340	101390	50	8.89	8.89	17.78	20.68	0.00	0.00	0	17	0
169	101390	101440	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
170	101440	101490	50	6.91	6.91	13.82	20.68	0.00	0.00	0	17	0
171	101490	101540	50	6.91	6.91	13.82	20.68	0.00	0.00	0	17	0
172	101540	101590	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
173	101590	101640	50	5.92	5.92	11.84	12.50	0.00	0.00	0	17	17
174	101640	101690	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
175	101690	101740	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	0
176	101740	101790	50	5.92	5.92	11.84	12.50	0.00	0.00	0	17	0
177	101790	101840	50	5.92	5.92	11.84	12.50	0.00	0.00	0	17	17
178	101840	101890	50	9.93	9.93	19.87	12.50	7.37	3.68	1	17	17
179	101890	101940	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
180	101940	101990	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
181	101990	102040	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
182	102040	102090	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	0
183	102090	102140	50	5.92	5.92	11.84	12.50	0.00	0.00	0	17	0
184	102140	102190	50	6.88	6.88	13.77	12.50	1.27	0.63	0	17	0
185	102190	102240	50	6.88	6.88	13.77	12.50	1.27	0.63	0	17	17
186	102240	102290	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
187	102290	102340	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
188	102340	102390	50	9.88	9.88	19.76	12.50	7.26	3.63	1	17	17
189	102390	102440	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	17
190	102440	102490	50	8.89	8.89	17.78	12.50	5.28	2.64	1	17	0
191	102490	102540	50	6.88	6.88	13.77	12.50	1.27	0.63	0	17	0

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
192	102540	102590	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
193	102590	102620	30	5.97	5.97	11.94	12.50	0.00	0.00	0	10	0
194	102620	102660	40	5.97	5.97	11.94	12.50	0.00	0.00	0	13	0
195	102660	102710	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
196	102710	102760	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
197	102760	102810	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
198	102810	102860	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
199	102860	102910	50	3.48	3.48	6.96	12.50	0.00	0.00	0	17	0
200	102910	102960	50	3.48	3.48	6.96	12.50	0.00	0.00	0	17	0
201	102960	102985	25	3.48	3.48	6.96	12.50	0.00	0.00	0	8	0
202	102985	103000	15	4.27	4.27	8.54	12.50	0.00	0.00	0	5	0
203	103000	103050	50	3.48	3.48	6.96	12.50	0.00	0.00	0	17	0
204	103050	103100	50	3.73	3.73	7.47	12.50	0.00	0.00	0	17	0
205	103100	103150	50	4.27	4.27	8.54	12.50	0.00	0.00	0	17	0
206	103150	103200	50	4.47	4.47	8.94	7.00	1.94	0.97	0	17	0
207	103200	103250	50	4.27	4.27	8.54	7.00	1.54	0.77	0	17	0
208	103250	103300	50	3.99	3.99	7.98	7.00	0.98	0.49	0	17	0
209	103300	103350	50	3.99	3.99	7.98	7.00	0.98	0.49	0	17	0
210	103350	103400	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
211	103400	103450	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
212	103450	103500	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
213	103500	103550	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
214	103550	103600	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
215	103600	103650	50	3.48	3.48	6.96	7.00	0.00	0.00	0	17	0
216	103650	103690	40	3.99	3.99	7.98	7.00	0.98	0.49	0	13	0
217	103690	104110	420	3.99	3.99	7.98	7.00	0.98	0.49	0	140	0
218	104110	104160	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
219	104160	104210	50	8.54	8.54	17.07	7.00	10.07	5.04	1	17	17
220	104210	104260	50	9.45	9.45	18.90	7.00	11.90	5.95	1	17	17
221	104260	104297	37	10.06	10.06	20.12	7.00	13.12	6.56	1	12	12
222	104297	104300	3	10.06	10.06	20.12	7.00	13.12	6.56	1	1	1
223	104300	104350	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
224	104350	104400	50	9.15	9.15	18.29	7.00	11.29	5.65	1	17	17
225	104400	104450	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
226	104450	104500	50	8.54	8.54	17.07	7.00	10.07	5.04	1	17	17
227	104500	104550	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
228	104550	104600	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
229	104600	104650	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
230	104650	104700	50	6.40	6.40	12.80	7.00	5.80	2.90	1	17	17
231	104700	104750	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
232	104750	104800	50	8.54	8.54	17.07	7.00	10.07	5.04	1	17	17
233	104800	104850	50	10.37	10.37	20.73	7.00	13.73	6.87	1	17	17
234	104850	104900	50	7.01	7.01	14.02	7.00	7.02	3.51	1	17	17
235	104900	104950	50	6.10	6.10	12.20	7.00	5.20	2.60	1	17	17
236	104950	105000	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
237	105000	105050	50	7.62	7.62	15.24	7.00	8.24	4.12	1	17	17
238	105050	105100	50	10.37	10.37	20.73	7.00	13.73	6.87	1	17	17
239	105100	105150	50	7.01	7.01	14.02	7.00	7.02	3.51	1	17	17
240	105150	105200	50	6.10	6.10	12.20	7.00	5.20	2.60	1	17	17
241	105200	105250	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
242	105250	105300	50	5.18	5.18	10.37	7.00	3.37	1.68	1	17	17
243	105300	105350	50	5.49	5.49	10.98	7.00	3.98	1.99	1	17	17
244	105350	105400	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
245	105400	105450	50	3.35	3.35	6.71	7.00	0.00	0.00	0	17	0
246	105450	105500	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
247	105500	105550	50	3.05	3.05	6.10	7.00	0.00	0.00	0	17	0
248	105550	105600	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
249	105600	105650	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
250	105650	105700	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
251	105700	105735	35	7.62	7.62	15.24	7.00	8.24	4.12	1	12	12
252	105735	105785	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	17
253	105785	105835	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
254	105835	105885	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
255	105885	105935	50	7.01	7.01	14.02	7.00	7.02	3.51	1	17	17
256	105935	105985	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
257	105985	106035	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	17

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
258	106035	106085	50	4.88	4.88	9.76	7.00	2.76	1.38	1	17	17
259	106085	106135	50	4.88	4.88	9.76	7.00	2.76	1.38	1	17	17
260	106135	106185	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
261	106185	106235	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
262	106235	106285	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
263	106285	106335	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
264	106335	106385	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
265	106385	106435	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
266	106435	106485	50	3.96	3.96	7.93	7.00	0.93	0.46	0	7	0
267	106485	106505	20	3.96	3.96	7.93	7.00	0.93	0.46	0	15	0
268	106505	106550	45	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
269	106550	106600	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
270	106600	106650	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
271	106650	106700	50	3.96	3.96	7.93	7.00	0.93	0.46	0	17	0
272	106700	106750	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	17
273	106750	106800	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	17
274	106800	106850	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	17
275	106850	106900	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
276	106900	106950	50	7.93	7.93	15.85	7.00	8.85	4.43	1	17	17
277	106950	107000	50	5.79	5.79	11.59	7.00	4.59	2.29	1	17	0
278	107000	107050	50	5.79	5.79	11.59	10.00	1.59	0.79	0	17	0
279	107050	107100	50	4.88	4.88	9.76	10.00	0.00	0.00	0	17	0
280	107100	107150	50	5.79	5.79	11.59	10.00	1.59	0.79	0	17	0
281	107150	107200	50	7.93	7.93	15.85	10.00	5.85	2.93	1	17	17
282	107200	107250	50	5.79	5.79	11.59	10.00	1.59	0.79	0	17	0
283	107250	107300	50	5.79	5.79	11.59	10.00	1.59	0.79	0	17	0
284	107300	107350	50	7.93	7.93	15.85	10.00	5.85	2.93	1	17	17
285	107350	107400	50	7.01	7.01	14.02	10.00	4.02	2.01	1	17	17
286	107400	107450	50	7.01	7.01	14.02	10.00	4.02	2.01	1	17	17
287	107450	107478	28	7.01	7.01	14.02	20.68	0.00	0.00	0	9	0
288	107478	107478	0	6.10	6.10	12.20	20.68	0.00	0.00	0	0	0
289	107478	107500	22	6.10	6.10	12.20	20.68	0.00	0.00	0	7	0
290	107500	107550	50	9.15	9.15	18.29	20.68	0.00	0.00	0	17	0
291	107550	107600	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
292	107600	107650	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
293	107650	107700	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
294	107700	107750	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
295	107750	107800	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
296	107800	107850	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
297	107850	107900	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
298	107900	107950	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
299	107950	108000	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
300	108000	108050	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
301	108050	108100	50	8.54	8.54	17.07	20.68	0.00	0.00	0	17	0
302	108100	108150	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
303	108150	108200	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
304	108200	108250	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
305	108250	108300	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
306	108300	108350	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
307	108350	108400	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
308	108400	108450	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
309	108450	108500	50	4.88	4.88	9.76	20.68	0.00	0.00	0	17	0
310	108500	108550	50	5.49	5.49	10.98	20.68	0.00	0.00	0	17	0
311	108550	108600	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
312	108600	108650	50	6.40	6.40	12.80	20.68	0.00	0.00	0	17	0
313	108650	108700	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
314	108700	108750	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
315	108750	108800	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
316	108800	108850	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
317	108850	108900	50	4.88	4.88	9.76	20.68	0.00	0.00	0	17	0
318	108900	108950	50	6.10	6.10	12.20	20.68	0.00	0.00	0	17	0
319	108950	109020	70	6.10	6.10	12.20	20.68	0.00	0.00	0	23	0
320	109020	109070	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
321	109070	109120	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
322	109120	109170	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
323	109170	109220	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
324	109220	109270	50	9.76	9.76	19.51	20.68	0.00	0.00	0	17	0
325	109270	109318	48	7.93	7.93	15.85	20.68	0.00	0.00	0	16	0
326	109318	109350	32	6.10	6.10	12.20	20.68	0.00	0.00	0	11	0
327	109350	109378	28	4.88	4.88	9.76	20.68	0.00	0.00	0	9	0
328	109378	109400	22	7.93	7.93	15.85	15.34	0.51	0.26	0	7	0
329	109400	109450	50	4.88	4.88	9.76	15.34	0.00	0.00	0	17	0
330	109450	109500	50	4.88	4.88	9.76	15.34	0.00	0.00	0	17	0
331	109500	109550	50	4.57	4.57	9.15	15.34	0.00	0.00	0	17	0
332	109550	109600	50	5.49	5.49	10.98	15.34	0.00	0.00	0	17	0
333	109600	109650	50	4.88	4.88	9.76	15.34	0.00	0.00	0	17	0
334	109650	109700	50	7.01	7.01	14.02	15.34	0.00	0.00	0	17	0
335	109700	109750	50	7.93	7.93	15.85	15.34	0.51	0.26	0	17	0
336	109750	109800	50	11.89	11.89	23.78	15.34	8.44	4.22	1	17	17
337	109800	109850	50	9.76	9.76	19.51	15.34	4.17	2.09	1	17	17
338	109850	109900	50	9.76	9.76	19.51	15.34	4.17	2.09	1	17	17
339	109900	109950	50	9.76	9.76	19.51	12.50	7.01	3.51	1	17	17
340	109950	110000	50	8.84	8.84	17.68	12.50	5.18	2.59	1	17	17
341	110000	110050	50	8.84	8.84	17.68	12.50	5.18	2.59	1	17	17
342	110050	110100	50	8.84	8.84	17.68	12.50	5.18	2.59	1	17	17
343	110100	110150	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
344	110150	110200	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
345	110200	110250	50	3.35	3.35	6.71	12.50	0.00	0.00	0	17	0
346	110250	110300	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
347	110300	110350	50	3.35	3.35	6.71	12.50	0.00	0.00	0	17	0
348	110350	110400	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
349	110400	110435	35	3.96	3.96	7.93	12.50	0.00	0.00	0	12	0
350	110435	110450	15	3.96	3.96	7.93	12.50	0.00	0.00	0	5	0
351	110450	110500	50	4.57	4.57	9.15	12.50	0.00	0.00	0	17	0
352	110500	110550	50	4.57	4.57	9.15	12.50	0.00	0.00	0	17	0
353	110550	110600	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
354	110600	110650	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
355	110650	110700	50	4.88	4.88	9.76	12.50	0.00	0.00	0	17	0
356	110700	110750	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
357	110750	110800	50	4.88	4.88	9.76	12.50	0.00	0.00	0	17	0
358	110800	110850	50	4.88	4.88	9.76	12.50	0.00	0.00	0	17	0
359	110850	110900	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
360	110900	110950	50	3.35	3.35	6.71	12.50	0.00	0.00	0	17	0
361	110950	111000	50	3.35	3.35	6.71	12.50	0.00	0.00	0	17	0
362	111000	111050	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
363	111050	111100	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
364	111100	111150	50	5.49	5.49	10.98	12.50	0.00	0.00	0	17	0
365	111150	111200	50	10.06	10.06	20.12	12.50	7.62	3.81	1	17	17
366	111200	111250	50	11.28	11.28	22.56	12.50	10.06	5.03	1	17	17
367	111250	111300	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
368	111300	111350	50	12.80	12.80	25.61	12.50	13.11	6.55	1	17	17
369	111350	111400	50	12.80	12.80	25.61	12.50	13.11	6.55	1	17	17
370	111400	111450	50	12.80	12.80	25.61	12.50	13.11	6.55	1	17	17
371	111450	111500	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
372	111500	111550	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
373	111550	111600	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
374	111600	111650	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
375	111650	111700	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
376	111700	111750	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
377	111750	111800	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
378	111800	111850	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
379	111850	111900	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
380	111900	111950	50	3.05	3.05	6.10	12.50	0.00	0.00	0	17	0
381	111950	112000	50	3.35	3.35	6.71	12.50	0.00	0.00	0	17	0
382	112000	112050	50	3.05	3.05	6.10	10.00	0.00	0.00	0	17	0
383	112050	112100	50	3.05	3.05	6.10	10.00	0.00	0.00	0	17	0
384	112100	112150	50	4.88	4.88	9.76	10.00	0.00	0.00	0	17	0
385	112150	112200	50	6.10	6.10	12.20	10.00	2.20	1.10	1	17	17
386	112200	112220	20	3.96	3.96	7.93	10.00	0.00	0.00	0	7	0
387	112220	112250	30	13.72	13.72	27.44	10.00	17.44	8.72	1	10	10
388	112250	112300	50	14.94	14.94	29.88	10.00	19.88	9.94	1	17	17
389	112300	112350	50	13.72	13.72	27.44	10.00	17.44	8.72	1	17	17

No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
390	112350	112400	50	10.98	10.98	21.95	10.00	11.95	5.98	1	17	17
391	112400	112450	50	13.72	13.72	27.44	10.00	17.44	8.72	1	17	17
392	112450	112500	50	11.89	11.89	23.78	10.00	13.78	6.89	1	17	17
393	112500	112550	50	11.59	11.59	23.17	10.00	13.17	6.59	1	17	17
394	112550	112600	50	10.06	10.06	20.12	10.00	10.12	5.06	1	17	17
395	112600	112650	50	9.45	9.45	18.90	10.00	8.90	4.45	1	17	17
396	112650	112700	50	11.89	11.89	23.78	10.00	13.78	6.89	1	17	17
397	112700	112750	50	7.93	7.93	15.85	10.00	5.85	2.93	1	17	17
398	112750	112800	50	10.37	10.37	20.73	12.50	8.23	4.12	1	17	17
399	112800	112850	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
400	112850	112900	50	10.06	10.06	20.12	12.50	7.62	3.81	1	17	17
401	112900	112944	44	10.06	10.06	20.12	12.50	7.62	3.81	1	15	15
402	112944	113900	956	10.06	10.06	14.00	12.50	1.50	0.75	0	319	0
403	113900	114000	100	4.27	4.27	8.54	12.50	0.00	0.00	0	33	0
404	114000	114050	50	4.27	4.27	8.54	12.50	0.00	0.00	0	17	0
405	114050	114100	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
406	114100	114150	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
407	114150	114200	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
408	114200	114250	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
409	114250	114300	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
410	114300	114350	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
411	114350	114400	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
412	114400	114450	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
413	114450	114500	50	4.57	4.57	9.15	12.50	0.00	0.00	0	17	0
414	114500	114550	50	4.57	4.57	9.15	12.50	0.00	0.00	0	17	0
415	114550	114600	50	3.96	3.96	7.93	12.50	0.00	0.00	0	17	0
416	114600	114650	50	4.88	4.88	9.76	12.50	0.00	0.00	0	17	0
417	114650	114700	50	4.88	4.88	9.76	12.50	0.00	0.00	0	17	0
418	114700	114750	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
419	114750	114800	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
420	114800	114850	50	7.62	7.62	15.24	12.50	2.74	1.37	1	17	17
421	114850	114900	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
422	114900	114950	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
423	114950	115000	50	8.84	8.84	17.68	12.50	5.18	2.59	1	17	17
424	115000	115050	50	7.93	7.93	15.85	12.50	3.35	1.68	1	17	17
425	115050	115100	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
426	115100	115150	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
427	115150	115200	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
428	115200	115250	50	6.10	6.10	12.20	12.50	0.00	0.00	0	17	0
429	115250	115300	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
430	115300	115350	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
431	115350	115400	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
432	115400	115450	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
433	115450	115500	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
434	115500	115550	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
435	115550	115600	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
436	115600	115650	50	7.62	7.62	15.24	15.34	0.00	0.00	0	17	0
437	115650	115700	50	7.62	7.62	15.24	15.34	0.00	0.00	0	17	0
438	115700	115740	40	7.01	7.01	14.02	15.34	0.00	0.00	0	13	0
439	115740	116311	571	7.01	7.01	14.02	20.68	0.00	0.00	0	190	0
440	116311	116350	39	8.84	8.84	17.68	20.68	0.00	0.00	0	13	0
441	116350	116400	50	10.06	10.06	20.12	20.68	0.00	0.00	0	17	0
442	116400	116450	50	10.37	10.37	20.73	20.68	0.05	0.03	0	17	0
443	116450	116500	50	11.59	11.59	23.17	20.68	2.49	1.25	1	17	17
444	116500	116550	50	11.89	11.89	23.78	20.68	3.10	1.55	1	17	17
445	116550	116600	50	10.98	10.98	21.95	20.68	1.27	0.64	0	17	0
446	116600	116650	50	10.06	10.06	20.12	20.68	0.00	0.00	0	17	0
447	116650	116700	50	10.98	10.98	21.95	20.68	1.27	0.64	0	17	0
448	116700	116750	50	10.98	10.98	21.95	20.68	1.27	0.64	0	17	0
449	116750	116800	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
450	116800	116850	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
451	116850	116900	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
452	116900	116950	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
453	116950	117000	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
454	117000	117050	50	4.88	4.88	9.76	20.68	0.00	0.00	0	17	0
455	117050	117100	50	11.89	11.89	23.78	20.68	3.10	1.55	1	17	17

Sl. No.	Chainage From	Chainage To	Length (M)	Right of Way (ROW)			Required Toe Width for Const. (Tentative)	Remaining width Both Side	One side width	Ornamental Trees in 1st row one side		
				Left side (M)	Right Side (M)	Total ROW (M)				No. of longitudinal row	No. of Transverse row at spacing 3 m	No. of Plants
456	117100	117150	50	10.06	10.06	20.12	20.68	0.00	0.00	0	17	0
457	117150	117200	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
458	117200	117250	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
459	117250	117300	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
460	117300	117350	50	6.71	6.71	13.41	20.68	0.00	0.00	0	17	0
461	117350	117400	50	7.62	7.62	15.24	20.68	0.00	0.00	0	17	0
462	117400	117450	50	5.79	5.79	11.59	20.68	0.00	0.00	0	17	0
463	117450	117500	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
464	117500	117550	50	7.01	7.01	14.02	20.68	0.00	0.00	0	17	0
465	117550	117600	50	4.88	4.88	9.76	20.68	0.00	0.00	0	17	0
466	117600	117650	50	7.93	7.93	15.85	20.68	0.00	0.00	0	17	0
467	117650	117700	50	8.84	8.84	17.68	20.68	0.00	0.00	0	17	0
468	117700	117750	50	10.06	10.06	20.12	20.68	0.00	0.00	0	17	0
469	117750	117800	50	11.89	11.89	23.78	20.68	3.10	1.55	1	17	17
470	117800	117850	50	11.89	11.89	23.78	20.68	3.10	1.55	1	17	17
471	117850	117900	50	12.50	12.50	25.00	20.68	4.32	2.16	1	17	17
472	117900	117950	50	12.50	12.50	25.00	20.68	4.32	2.16	1	17	17
473	117950	118000	50	11.89	11.89	23.78	12.50	11.28	5.64	1	17	17
474	118000	118050	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
475	118050	118100	50	10.37	10.37	20.73	12.50	8.23	4.12	1	17	17
476	118100	118150	50	10.98	10.98	21.95	12.50	9.45	4.73	1	17	17
477	118150	118183	33	11.89	11.89	23.78	12.50	11.28	5.64	1	11	11
478	118183	118185	2	13.11	13.11	26.22	12.50	13.72	6.86	1	1	1
479	118185	118288	103	13.11	13.11	26.22	12.50	13.72	6.86	1	34	34
480	118288	118346	58	14.63	14.63	29.27	20.68	8.59	4.29	1	19	19
481	118346	118413	67	13.41	13.41	26.83	20.68	6.15	3.07	1	22	22
482	118413	118614	201	13.41	13.41	26.83	20.68	6.15	3.07	1	67	67
483	118614	118764	150	12.50	12.50	25.00	20.68	4.32	2.16	1	50	50
484	118764	118901	137	11.89	11.89	23.78	20.68	3.10	1.55	1	46	46
485	118901	118959	58	11.89	11.89	23.78	20.68	3.10	1.55	1	19	19
486	118959	119037	78	11.89	11.89	23.78	20.68	3.10	1.55	1	26	26
487	119037	119137	100	12.20	12.20	24.39	20.68	3.71	1.86	1	33	33
488	119137	119231	94	12.20	12.20	24.39	20.68	3.71	1.86	1	31	31
489	119231	119346	115	12.80	12.80	25.61	20.68	4.93	2.46	1	38	38
490	119346	119404	58	13.41	13.41	26.83	20.68	6.15	3.07	1	19	19
491	119404	119462	58	13.11	13.11	26.22	20.68	5.54	2.77	1	19	19
492	119462	119542	80	13.11	13.11	26.22	20.68	5.54	2.77	1	27	27
493	119542	119654	112	13.11	13.11	26.22	20.68	5.54	2.77	1	37	37
494	119654	119784	130	13.11	13.11	26.22	20.68	5.54	2.77	1	43	43
495	119784	119882	98	13.11	13.11	26.22	20.68	5.54	2.77	1	33	33
496	119882	119990	108	10.52	10.52	21.04	20.68	0.36	0.18	0	36	0
497	119990	120127	137	4.73	26.52	31.25	20.68	10.57	5.29	1	46	46
498	120127	120157	30	5.18	18.29	23.48	20.68	2.80	1.40	1	10	10
499	120157	120230	73	13.87	21.04	34.91	20.68	14.23	7.11	1	24	24
500	120230	120301	71	14.94	14.94	29.88	15.34	14.54	7.27	1	24	24
501	120301	120394	93	12.80	19.51	32.32	15.34	16.98	8.49	1	31	31
502	120394	120516	122	17.68	14.79	32.47	15.34	17.13	8.56	1	41	41
503	120516	121025	509	12.80	12.80	25.61	20.68	4.93	2.46	1	170	170

Total length= 28025 M

Total for Ornamental plants one side = 4733

Total for Ornamental plants one side = 9466

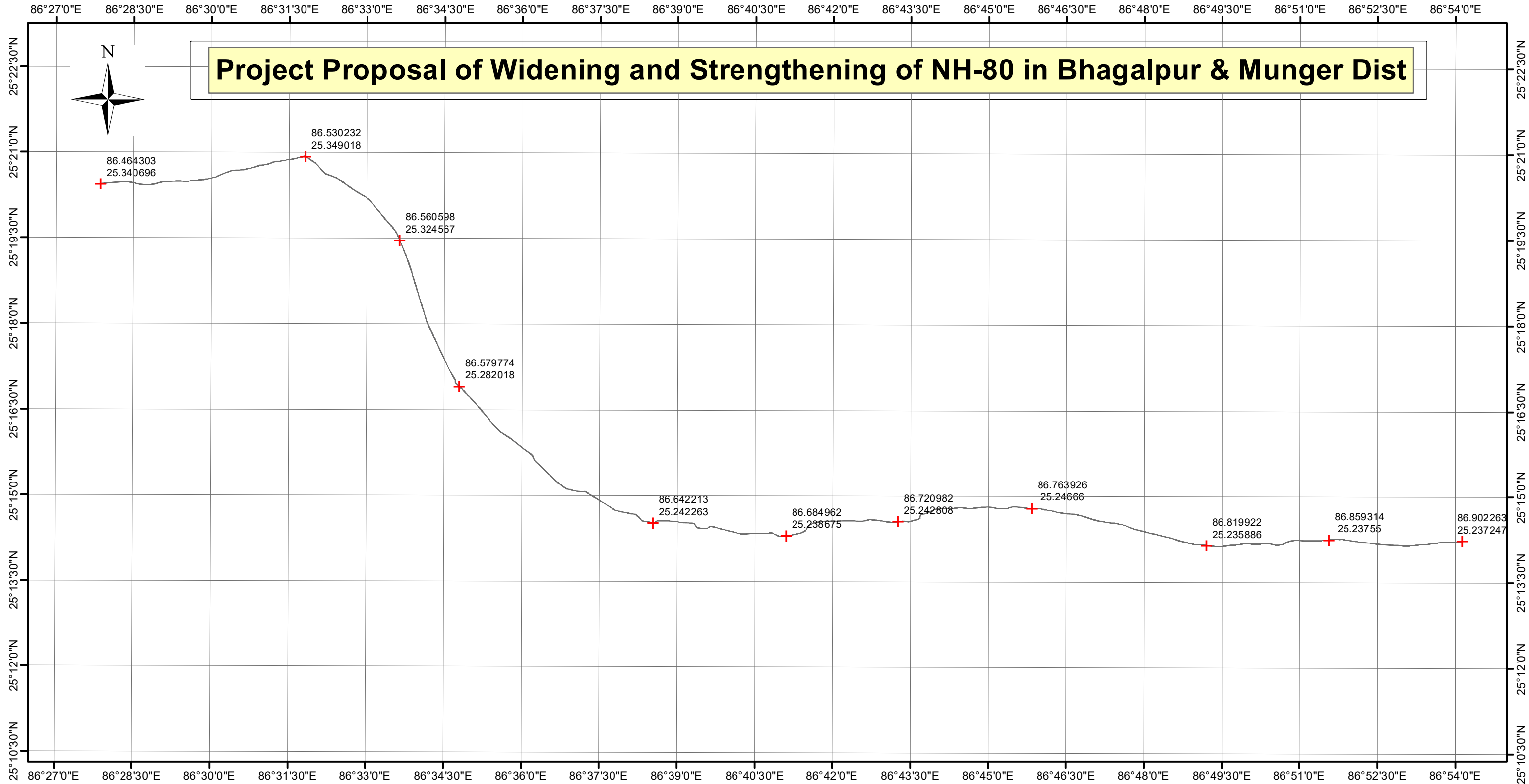
Both

Archi
07/09/2022

Archi
07/09/2022

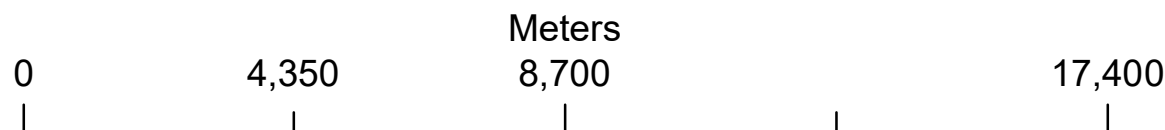
Executive Engineer
N.H.Division, R.C.D
Bhagalpur

Project Proposal of Widening and Strengthening of NH-80 in Bhagalpur & Munger Dist



Munger

Bhagalpur



Legend

+ GPS_Location

Proposed Land Bhagalpur

Existing Road

Proposed Land Munger