

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
WESTERN ZONE BENCH AT PUNE
ORIGINAL APPLICATION NO.40 OF 2020**

In the matter between:

Ganesh Suresh Borade

...Applicant

Versus

Union of India & 4 Ors.

...Respondents

**ADDITIONAL AFFIDAVIT ON BEHALF OF RESPONDENT NO.4 i.e.
National Highways Authority of India ('NHAI')**

INDEX

Sl.no	Particulars	Page No.
1.	Additional Affidavit on behalf of Respondent No.4 i.e. National Highways Authority of India.	
1.	ANNEXURE-1 A Copy of the detailed estimate dated 27.06.2024 received from the supervision consultant.	
2.	ANNEXURE-2 A Copy of the letter dated 19.07.2024	
3.	ANNEXURE-3 A Copy of the joint site visit report dated 22.06.2024.	

Place: Pune

Date: 23.07.2024

**Presented by,
MV Kini Law Firm
Advocates for Respondent No.4**

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Ganesh Suresh Borade

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ADDITIONAL AFFIDAVIT ON BEHALF OF RESPONDENT NO.4

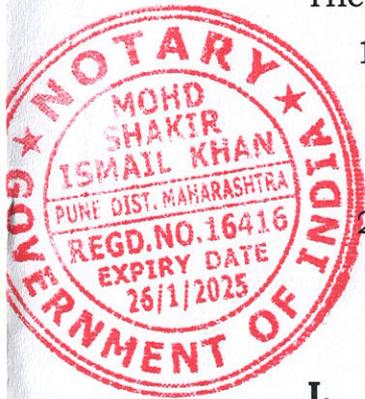
i.e. National Highways Authority of India ('NHAI')

The Respondent No.4 most humbly submits as under:

1. This Hon'ble Tribunal vide Order dated 10.04.2024 was pleased to direct this answering Respondent to file an affidavit in terms of the Order.
2. This Affidavit is filed in compliance with the Order dated 10.04.2024 passed by this Hon'ble Tribunal.

I. AVENUE PLANTATION:

3. The Respondent submits that after detailed deliberation with the social forest department, it was observed that the revised estimate of Rs.23.41 Crores as estimated by the forest department is exorbitant. Therefore, an inspection was carried out with environment and plantation advisor, Regional Office, Mumbai along with Manager (Technical), PIU Pune and consultant. Accordingly, the estimate for plantation of 39,500 trees computed as per the IRC Guidelines is found to be

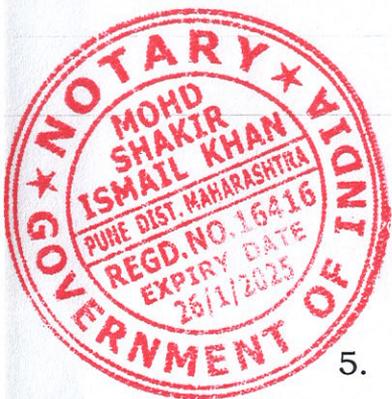


Rs.9.92 Crores (excluding GST). The number of trees has been considered as per the tree cutting permissions/orders issued by the respective departments. A copy of the detailed estimate dated 27.06.2024 received from the supervision consultant is annexed herewith and marked as **Annexure-1**.

4. Further, the estimated time required to complete the plantation has been computed to be about three to six months and shall be maintained for a period of five years. Furthermore, the estimated cost and time has been arrived at based on Horticulture DSR 2022-2023 Nasik and Aurangabad and PWD SSR 2023-24. The rate analysis has been carried out on the basis of PWD SSR 2023-24.
5. Therefore, in this background, this Hon'ble Tribunal may be pleased to grant six months' time to complete the avenue plantation.

II. RAIN WATER HARVESTING:

6. The Respondent submits that out of the total 276 structures, the Respondent has completed construction of 46 structures and started the tender process for appointing an agency for construction of structures for rainwater harvesting in February 2024. However, the process was delayed due to imposition of Model Code of Conduct due to Parliamentary Elections of 2024. Therefore, the agency viz. M/s. Shankar Ramchandra Earth Movers Pvt. Ltd was appointed on 10.06.2024. The said agency has mobilized and submitted a work program for completion of construction of balance structures by March 2025 as informed through letter dated



19.07.2024. A copy of letter dated 19.07.2024 is annexed herewith and marked as **Annexure-2**.

7. Therefore, this Hon'ble Tribunal may be pleased to grant time upto March 2025 for completion of construction of balance rainwater harvesting structures.

III. UNDERPASSES AND WILDLIFE MITIGATION MEASURES:

8. This Hon'ble Tribunal vide its order 10.04.2024 had constituted a joint committee comprising one member each of the Wildlife Institute of India, National Highway Authority of India (NHAI) and Principal Chief Conservator of Forest, Pune and NHAI shall be the nodal agency of the said Committee, to assess as to whether giving height of 5 mtrs to the underpass is feasible and if not, what alternate process to be adopted in the matter. The said joint committee was directed to submit a report within 4 weeks of the uploading of the order of this Hon'ble Tribunal. Accordingly, the said joint committee visited the site on 22.06.2024 and the Applicant was also present during the said site visit. The recommendations in respect of the underpasses as per the site visit report of the joint committee is as under:

Sl. no	Location	Recommendations of Joint Committee
1.	Malwadi (99+900)	The committee is in agreement with the size of the structure and the location as recommended by the joint committee site visit on 2 nd September 2023. The proposed structure shall be 4m in height and 7m in width.
2.	Khandarmalwadi (113+500)	At chainage 113+500, the earlier committee recommended box culvert of dimension 2m x 3m. The members of the committee discussed the location of the proposed culvert in detail. It was



		unanimously agreed by all the committee members that the location of the proposed culvert is not feasible for maintaining the long-term connectivity for the wildlife especially leopards in the landscape. The proposed structure is very close to human habitation and is very flat on both the sides. Over the time the structure will be rendered useless and will also result in the possibility of the conflict.
3.	Dolasane (121+158)	At chainage 121+158, the joint visit conducted on 02.09.2023 recommended the replacement of two pipe culverts with a box culvert of 2m x 3 m. The feasibility of the replacement of the existing pipe culvert of 2 x 1000mm by 2m x 3m box culvert was discussed in detail during the site visit. The terrain is flat on both the sides and the location is close to habitation. Considering the location of the pipe culvert, the committee members decided to retain the structure as such. There is no need to provide a box culvert at this site.
4.	Chandanapuri- Javalewasti 134.400	At chainage 134+400 the NHAI has already constructed the box culvert of 3m x 4m. In addition to this structure the joint committee on 2.09.2023 proposed the structure of 2 m x 3m in the vicinity of this location. The committee members discussed the location with respect to village and the topography of the area. The existing minor bridge at location 134.200 (Span 19.8 x 3 = 59.4 m) offers natural crossing and there is no need of an additional structure in this area.
5.	Velhale (154+916)	At chainage 154+926, NHAI has already constructed the box culvert



		<p>of 2.7 m x 3m. Considering the location of the existing underpass and the landscape around, the committee opined that the structure is not going to be used by the wildlife.</p> <p>The existing bridge at location 155+475 (Span = 10 m) The bridge offers natural crossing and there is no need of an additional structure in this area.</p>
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A copy of the joint site visit report dated 22.06.2024 is annexed herewith and marked as **Annexure-3**.

PRAYER:

Wherefore, in the light of the facts and circumstances of the case, the Respondent No.4 most humbly prays that this Hon'ble Tribunal be pleased to pass appropriate orders and dispose off the Original Application, on account of compliance by the Respondent No.4.

All of which is respectfully submitted.

Place: Pune

Date: 23/7/24

FOR RESPONDENT NO.4



VERIFICATION

I, Sanjay Kadam, Deputy General Manager & Project Director, PIU, Pune, the authorized representative of the Respondent No.4, having office at BIAF Bhawan Campus, Dr. Manibhai Desai Nagar, Warje, Pune-411 058, state on solemn affirmation that the contents of this Affidavit on behalf of the Respondent No.4 are true and correct and the same are based on the records maintained at our office and are correct to the best of my knowledge and belief.

In witness whereof, I have signed this day.

Place: Pune

Date: 23/7/24

FOR RESPONDENT NO.4

For M.V.KINI Law Firm

Advocates for Respondent No.4



BEFORE ME

**MOHD SHAKIR ISMAIL KHAN
ADVOCATE & NOTARY
GOVERNMENT OF INDIA**

23 JUL 2024



NOTED & REGISTERED
AT SR. NO. 1641/2024
DATE 23 JUL 2024

SA-UIC-CDFICPL/GST/SC/NH-60/2024/315

27.06.2024

To,
The General Manager (T) & Project Director,
National Highway Authority of India,
PIU, Pune - 411058.

Sub: Consultancy Services for Supervision Consultant (SC) for 4/6L of Khed (Km 42.00) to Sinnar (Km 177.00) of NH - 60 (Old NH - 50) in the State of Maharashtra. - **Reg. Submission of Cost estimate for the Avenue plantation as per NGT order.**

Ref:

1. Joint Inspection on dated 06.06.2024.
2. Meeting at PIU Pune on dated 05.06.2024.
3. Hon'ble NGT (Principal Bench) Pune hearing order on dated 10.04.2024.

Dear Sir,

This is reference to caption subject, regarding submission of Cost estimate for the Avenue plantation on NH- 60 Khed Sinnar Section. The joint inspection for the same is done on dated 06.06.2024 along with Joint Advisor, Environment & Plantation RO Mumbai, Manager(T) PIU Pune & Supervision Consultant team. As per joint inspection and meeting it is instructed to SC team to frame the estimate as per site condition. Accordingly, the estimate is prepared by the SC team and recommendation are as stated below.

Background

1. The NGT vide their order dated 27.08.2020 (received on dt. 05.09.2020) in the matter OA No. 40/2020 (WZ) filed by Sh. Ganesh Suresh Borhade Vs. Union of India & others it was directed to constitute the Committee comprising of (i) Principal Chief Conservator of Forest, Maharashtra (ii) A representative of NHAI and (iii) Additional Principal Chief Conservator of Forest (APCCF), MoEF&CC, Regional Office, Pune. It was directed them to submit a factual and action taken report with regard to allegations made by the applicant and avenue plantation along the road is major concern.
2. As per the request Authority, for better survival, avenue plantation shall be carried out through State Forest Department at the cost of the user agency at the cost to be borne by the NHAI. Accordingly, the Social Forestry Pune, Ahmednagar & Nashik has submitted the cost estimate of Amounting **Rs-23.41 Cr** to the Authority for the approval. The same is forwarded to the NHAI HQ for the approval, however, NHAI HQ Green Highway Division has raised some of the observation and comments on cost estimate like Cost estimate framed is on higher side, method of the computation is not uniform to all the three district and not considering the site condition etc.
3. As per the NGT last order dated 10.04.2024 it is instructed to deposited the plantation amount to social forestry department within one month time period. For this during the meeting dated 05.06.2024 and joint inspection dated 06.06.2024 it is instructed Supervision Consultant to frame the estimate as per site condition and actual requirement and availability of land for the plantation.

Cost estimate-

4. Accordingly, as per the joint inspection with Joint Advisor, Environment & Plantation RO Mumbai, Manager(T) PIU Pune & Supervision Consultant team, the SC has framed the cost estimate and details of the estimate are stated as below,
- i. The estimate framed on as per the guideline of IRC SP-21 and Green highway policy of NHAI, the current estimate having two parts of estimate, First part is planation of the 39500 nos of plants in 3-to-6-month time and second part is maintenance of 39500 Nos of plants for 5-years.
 - ii. Number of plants are considered as per the tree cutting permission issued by the respective district administration during the widening of the project and same are submitted during affidavit to NGT Pune. The copy of the tree cutting and no plant to be planted order are enclosed herewith proposal as **Annexure-IV**.
 - iii. Avenue planation of 6 to 8 feet height plant having species like Wade, Kanchan, Neem and Peepal are consider as per the region of road pass from three district for better survival of avenue planation.
 - iv. As per the standard format of plantation estimate (sample estimate as per DSR 2022-23) other item like Insecticide, fertilizer, manure etc are consider in the estimate.
 - v. The estimate rates are based on the Horticulture DSR 2022-2023 Nashik & Aurangabad and PWD SSR 2023-24. Also, some of the items Rate analysis are done based on the PWD SSR 2023-24. The copy of the Cost estimate is enclosed **Annexure -I**. Also, the location planation Project strip chart enclosed as **Annexure-II**.
 - vi. The other supporting documents like Horticulture DSR 2022-2023 Nashik & Aurangabad and PWD SSR 2023-24.etc are enclosed as **Annexure -III**.
5. In view of the above, the detailed estimate of Avenue planation work on Khed Sinnar Project amounting to **Rs 9.92 Cr (excluding GST)**, is submitted herewith for obtaining the approval Competent Authority of NHAI.
6. This is submitted for further review and needful action in the matter on priority please.

Thanking you and assuring you of our best attention at all times.

Yours Faithfully,

For-SA Infrastructure Consultant Pvt. Ltd.

JV with UPHAM International Corporation

In Association with CDF Infra Con Pvt. Ltd.



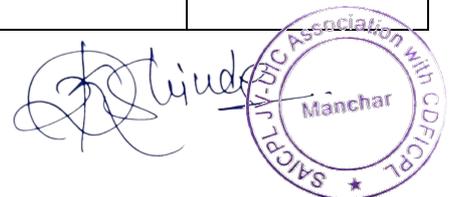
Dilip K. Shinde
(Team Leader)

Copy to: 1) SAICPL-UIC-CDFICPL- Noida 2) CDFICPL- Pune.

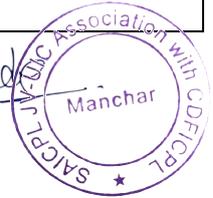
Annexure-I

Cost Estimate

ABSTRACT SHEET						
NH60 (Khed to Sinnar Road) PLANTATION ESTIMATE						
Sr. No.	Description	Unit	TOTAL QUANTITY (Nos)	RATE QUANTITY (Nos)	TOTAL AMOUNT (Rs.)	Remarks
A	AVENUE PLANTATION DEVELOPMENT WORK	Nos	39,500.00			
1	Labour charges for removing grass, thorny shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete	Nos	39,500.00	7.00	2,76,500.00	Horticulture DSR 2023 Nashik & Aurangabad page no 11 Sr. No. 11
2	Flowering Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Kanchan -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	10,000.00	375.00	37,50,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 23 Sr. No. 5 (b) 6
3	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Karanj -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	10,000.00	225.00	22,50,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 8
4	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Kadu Neem -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	4,500.00	225.00	10,12,500.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 7
5	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Peepal -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	5,000.00	300.00	15,00,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 9
6	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Wad/Banyan - Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	10,000.00	450.00	45,00,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 13
7	Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of soil 0.141 cum x 770/cum = 108.57/-	Nos	23,500.00	108.57	25,51,395.00	Horticulture DSR 2023 Nashik & Aurangabad page no 14 Sr. No. 44 (a)



ABSTRACT SHEET NH60 (Khed to Sinnar Road) PLANTATION ESTIMATE						
Sr. No.	Description	Unit	TOTAL QUANTITY (Nos)	RATE QUANTITY (Nos)	TOTAL AMOUNT (Rs.)	Remarks
8	Excavation pit size 0.60 x 0.60 x 0.60m for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	Nos	39,500.00	51.62	20,38,990.00	Horticulture DSR 2023 Nashik & Aurangabad page no 11 Sr. No. 11
9	Supplying on site well decomposed Farmyard Manure FYM (i. e. 1-part FYM) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of FYM 0.044 cum x 975/cum = 42.90/-	Kg	39,500.00	42.90	16,94,550.00	Horticulture DSR 2023 Nashik & Aurangabad page no 14 Sr. No. 44 (b)
10	Water Per Plant requirements, 4-5 ltrs as per Horticulture DSR 2023 Nashik & Aurangabad page no 5 (5*39500*4*03=2370000 liter)	Tanker	475.00	2,048.00	9,72,800.00	As per Rate Analysis enclosed
11	Fertilizer 50-gram DAP Per Plant (=0.050*39500=1975 kg)	Kg	1,975.00	42.90	84,727.50	Horticulture DSR 2023 Nashik & Aurangabad page no 9
12	Insecticide 20 ml per Plant(=0.020*39500=790)	Liter	790.00	12.00	9,480.00	PWD SOP for Plantation PG NO. 43
13	Providing and supplying tools and machinery required for Plantation (Tempo for internal transporting of plants upto 5 Km)	Nos	39,500.00	30.00	11,85,000.00	Market Rate
14	Prepared from dried sphagnum moss, good quality, good water retention capacity long life etc. Length - 3 ft.	Ft	98,425.20	120.00	1,18,11,024.00	Horticulture DSR 2023 Nashik & Aurangabad page no 9
15	Plastic Tree Guard	Nos	39,500.00	125.00	49,37,500.00	PWD SSR 2022-23,se.no.371 page no - 78
16	Semiskilled Labour (Mali)	MM	12.00	19,440.00	2,33,280.00	Horticulture DSR 2023 Nashik & Aurangabad page no 8
TOTAL (A)					3,88,07,746.50	

ABSTRACT SHEET						
NH60 (Khed to Sinnar Road) PLANTATION ESTIMATE						
Sr. No.	Description	Unit	TOTAL QUANTITY (Nos)	RATE QUANTITY (Nos)	TOTAL AMOUNT (Rs.)	Remarks
B	PLANTATION MAINTENANCE WORK (5 YEARS) 37000+39500=39500					
1	Unskilled Labour	MM	300.00	18,450.00	55,35,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 7
2	Semiskilled Labour (Mali)	MM	300.00	19,440.00	58,32,000.00	Horticulture DSR 2023 Nashik & Aurangabad page no 8
3	Supervisor	MM	180.00	35,160.00	63,28,800.00	PWD SSR 2022-23 Page no. -546/ Sr. No. -85
4	Water Per Plant requirements, 4-5 ltrs as per Horticulture DSR 2023 Nashik & Aurangabad page no 5 (15)	Tanker	4,740.00	2,048.00	97,07,520.00	As per Rate Analysis enclosed
5	Mortality of plants (10%) every year 3950 (5 year 19750)	Nos	19,750.00	329.43	65,06,250.00	(Average rate of plantation has been taken)
6	Providing and supplying tools and machinery required for Plantation (Tempo for internal transporting of plants upto 5 Km)	Nos	19,750.00	30.00	5,92,500.00	Market Rate
7	Fertilizer 50-gram DAP Per Plant for New plants (50*39500*15=29625000/1000=29625 kg for 5 year)	Kg	29,626.00	42.90	12,70,955.40	PWD park garden SSR 2022-23
8	Weeding, Hoeing & Basin Making (In a year 5 months x 5 year =25)	Nos	9,87,500.00	25.00	2,46,87,500.00	Market Rate
	TOTAL MAINTENANCE COST (5 YEARS) (Rs.) Sub Total (B)				6,04,60,525.40	
C	TOTAL COST (A +B) (DEVELOPMENT + MAINTENANCE)				9,92,68,271.90	
D	GST 18%				1,78,68,288.94	
	TOTAL (C+D)				11,71,36,560.84	

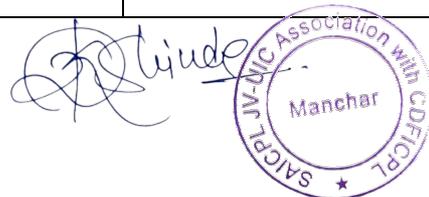
[Handwritten Signature]

SACPL W-UIC Association with C.D.F.C.P.L
Manchar

Rate Analysis Road)		for NH-60 (Khed to Sinnar AVENUE PLANTATION ESTIMATE		
Sr. No.	Description	Unit	RATE QUANTITY (Nos)	Remarks
A	AVENUE PLANTATION DEVELOPMENT WORK			
1	Labour charges for removing grass, thorney shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete	Nos	7.00	Horticulture DSR 2023 Nashik & Aurangabad page no 11 Sr. No. 11
2	Flowering Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Kanchan -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	375.00	Horticulture DSR 2023 Nashik & Aurangabad page no 23 Sr. No. 5 (b) 6
3	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Karanj -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	225.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 8
4	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Kadu Neem -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	225.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 7
5	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Peepal -Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	300.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 9
6	Foliage Trees Specifications :- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 branches with Maximum nubmer of leaves, with clear tunk, healthy condition free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged. (Wad/Banyan - Bag Size 13" x 13", Height of plant 6 ft to 8 ft)	Nos	450.00	Horticulture DSR 2023 Nashik & Aurangabad page no 26 Sr. No. 6 (b) 13
7	Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of soil 0.141 cum x 770/cum = 108.57/-	Nos	108.57	Horticulture DSR 2023 Nashik & Aurangabad page no 14 Sr. No. 44 (a)
8	Excavation pit size 0.60 x 0.60 x 0.60m for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	Nos	51.62	Horticulture DSR 2023 Nashik & Aurangabad page no 11 Sr. No. 11


 Manchar
 Association with CDF/CPL

9	Supplying on site well decomposed Farmyard Manure FYM (i. e. 1-part FYM) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of FYM 0.044 cum x 975/cum = 42.90/-	Kg	42.90	Horticulture DSR 2023 Nashik & Aurangabad page no 14 Sr. No. 44 (b)
10	Water Per Plant requirements, 4-5 ltrs as per Horticulture DSR 2023 Nashik & Aurangabad page no 5 (5*39500*4*03=2370000 liter)	Tanker		
	SSR 2023v -24 Page -578			
	Water Tanker (9000 liter.)			
	Per day Per Plant water required as per Horticulture DSR 2023 Nashik & Aurangabad per liter	Liter	5	
	No of Plants	Nos	39500	
	Total water Req for per day in liter	Liter	197500	
	No of day in which watering is required	Day	360	6times per month for 5 years
	Watering Required (L)	Liter	71100000	
	No. Of tankers required	Nos	4740	
	Rate of tanker/hour	Per hr	1024	SSR 2023-24 Item No-48+49 PN-578
	Rate of tanker for 2Hour	Per hr	2048	Assuming one tanker will require 2 hrs to water the plants
11	Fertilizer 50-gram DAP Per Plant (= .050*39500=1975 kg)	Kg	42.90	Horticulture DSR 2023 Nashik & Aurangabad page no 9
12	Insecticide 20 ml per Plant(=0.020*39500=790)	Liter	12.00	PWD SOP for Plantation PG NO. 43
13	Providing and supplying tools and machinery required for Plantation (Tempo for internal transporting of plants upto 5 Km)	Nos	30.00	Market Rate
14	Prepared from dried sphagnum moss, good quality, good water retention capacity long life etc. Length -3 ft.	Ft	120.00	Horticulture DSR 2023 Nashik & Aurangabad page no 9
15	Plastic Tree Guard	Nos	125.00	PWD SSR 2022-23,se.no.371 page no - 78
16	Semiskilled Labour (Mali)	MM	19,440.00	Horticulture DSR 2023 Nashik & Aurangabad page no 8
TOTAL (A)				
B	PLANTATION MAINTENANCE WORK (5 YEARS) =39500 Nos			
1	Unskilled Labour	MM	18,450.00	Horticulture DSR 2023 Nashik & Aurangabad page no 7
2	Semiskilled Labour (Mali)	MM	19,440.00	Horticulture DSR 2023 Nashik & Aurangabad page no 8
3	Supervisor	MM	35,160.00	PWD SSR 2022-23 Page no.-546/ Sr. No. -85
4	Water Per Plant requirements, 4-5 ltrs as per Horticulture DSR 2023 Nashik & Aurangabad page no 5 (15) (5*39500*4*8.5=6715000 liter for 1 year)	Tanker	2,048.00	As per RA of item No-10 above
5	Mortality of plants (10%) every year 3950 (5 year 19750)	Nos		
6	Fertilizer 50-gram DAP Per Plant for New plants (50*39500*15=29625000/1000=29625 kg for 5 year)	Kg	42.90	PWD park garden SSR 2022-23
7	Weeding, Hoeing & Basin Making (In a year 5 months x 5 year =25)	Nos	25.00	Market Rate



1

Annexure-II

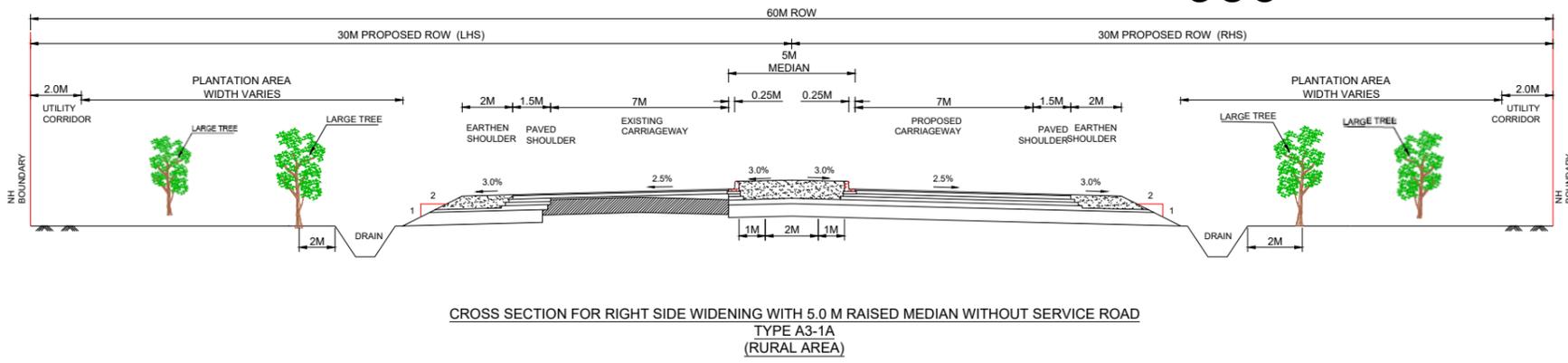
Location Details Along With Strip Chart

Khed Sinnar NH-60 Project

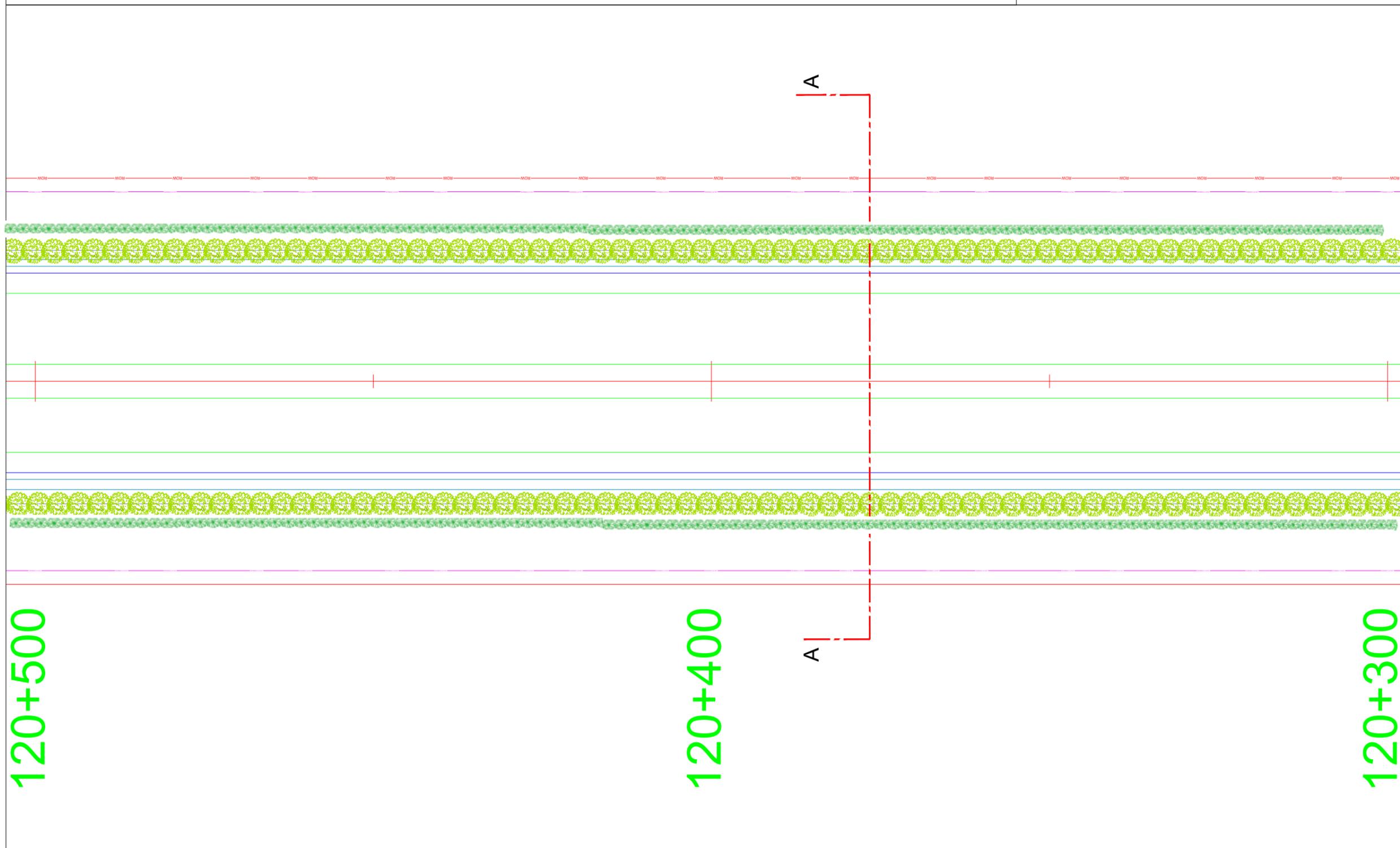
Avenue Planatation Location Details (As per Supervision Consultant)

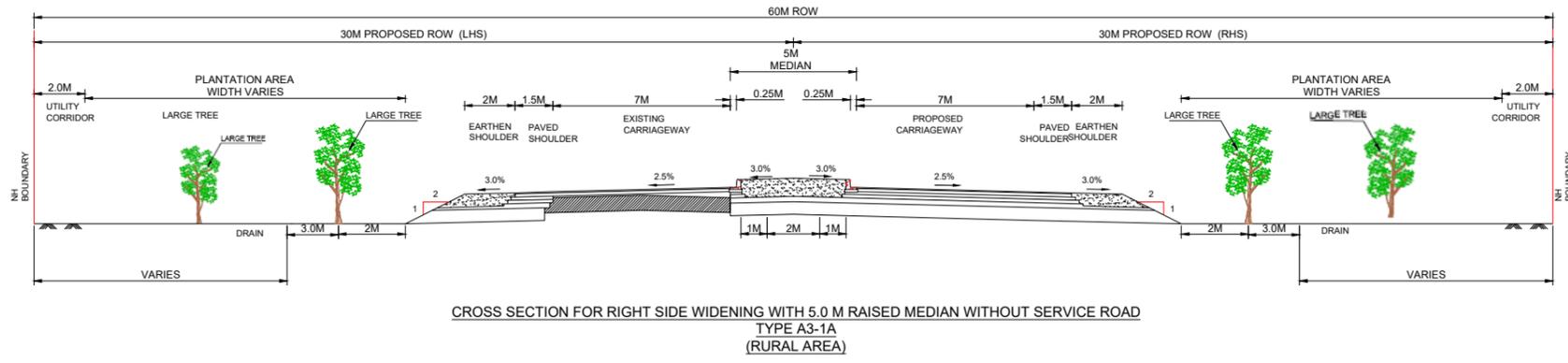
Sr.No	From	To	length	No of RoW	No of Trees LHS	No of Trees RHS	Total No of Trees	Remark
1	51.400	52.000	600	1	200	200	400	
2	58.000	60.000	2000	1	667	667	1333	
3	74.000	76.000	2000	1	667	667	1333	
4	79.000	84.000	5000	1	1667	1667	3266	
5	87.000	89.000	2000	2	1333	1333	2667	
6	97.000	99.000	2000	2	1333	1333	2667	
		57.000	25100				11666	Pune District
7	99.000	102.000	3000	1	1000	1000	2000	
8	104.000	108.000	4000	2	2667	2667	5333	
9	109.000	110.000	1000	1	333	333	667	
10	114.000	117.000	3000	2	2000	2000	4000	
11	119.000	122.000	3000	2	2000	2000	4000	
12	132.000	135.500	3500	1	1167	1167	1167	
13	152.000	155.000	3000	1	1000	1000	2000	
14	156.000	159.000	3000	2	2000	2000	4000	
		60.000	25500				23167	Ahmednagar District
15	159.000	161.000	2000	1	667	667	1333	
16	165.000	167.000	2000	1	667	667	1333	
17	169.000	172.000	3000	1	1000	1000	2000	
		21.000	10000				4667	Nashik District
		138.000	60.600				39500	Total No of Trees to be planted

936



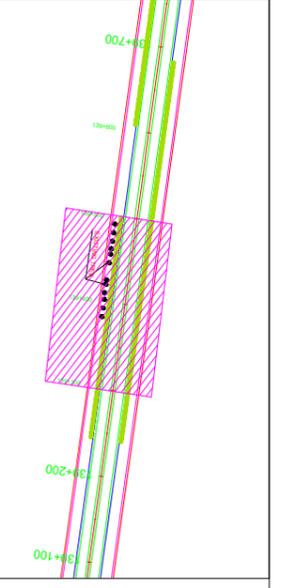
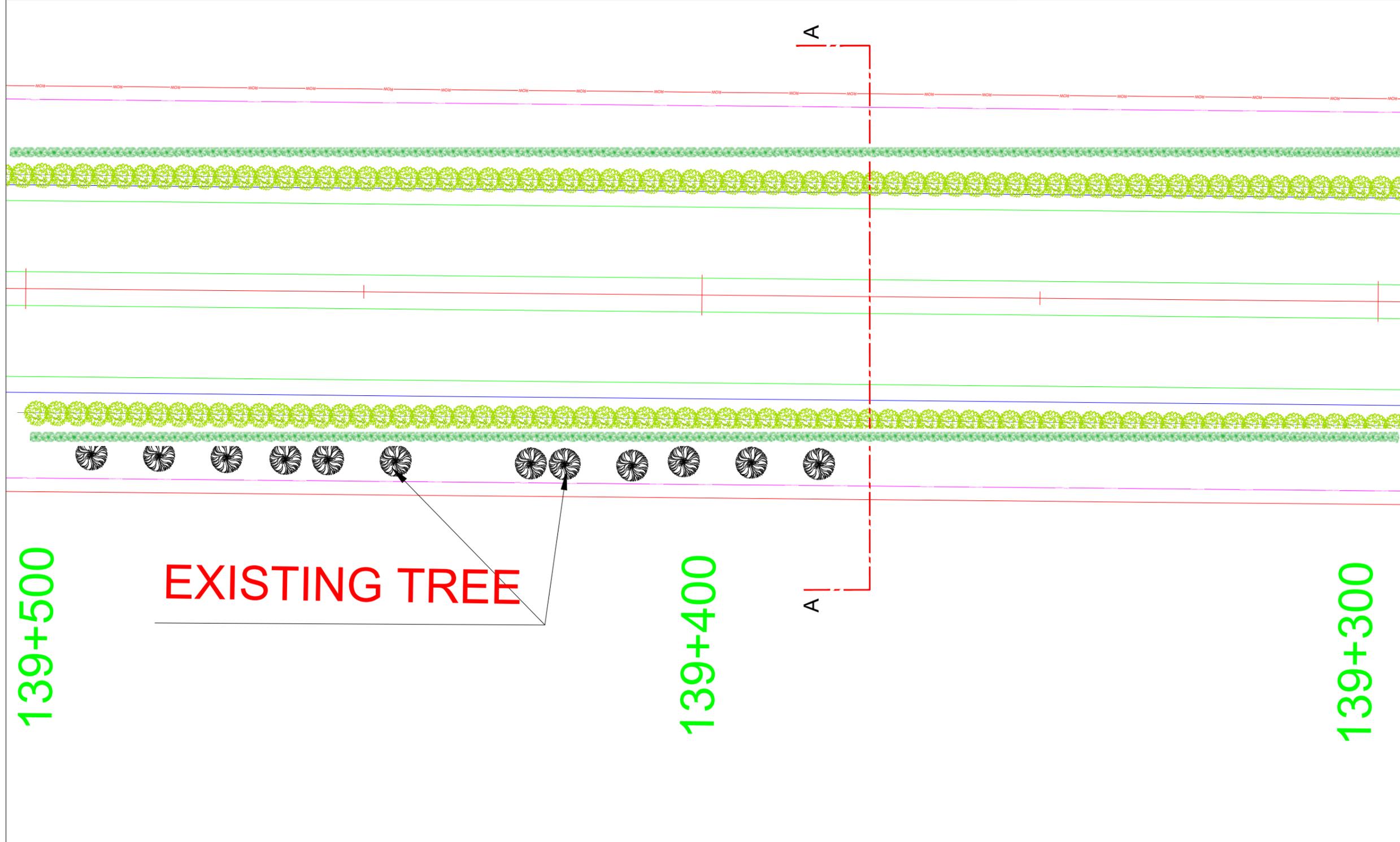
TREE		LEGENDS	
	MEDIUM TREE		EARTHEN SHOULDER EDGE
	LARGE TREE		CARRIAGEWAY
	EXISTING TREE		DRAIN
			SERVICE ROAD
			UTILITY CORRIDOR
			ROW (BOUNDRY WALL)
			STRUCTURE

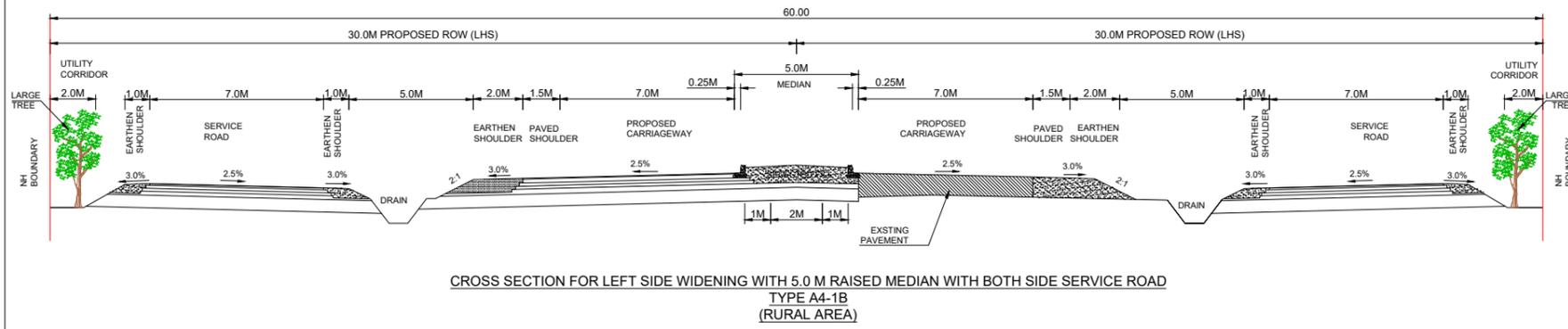




LEGENDS

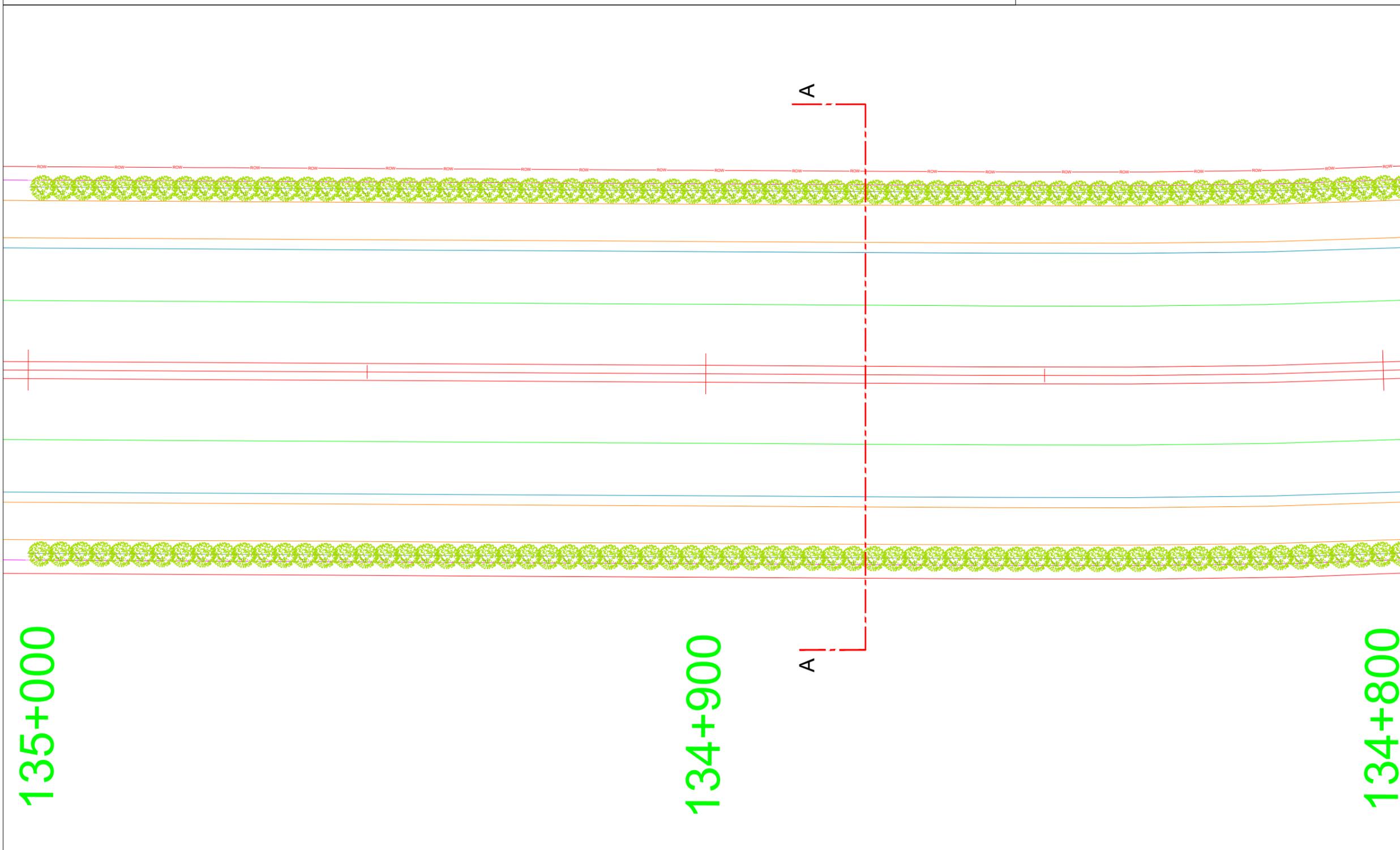
- MEDIUM TREE
- LARGE TREE
- EXISTING TREE
- EARTHEN SHOULDER EDGE
- CARRIAGEWAY
- DRAIN
- SERVICE ROAD
- UTILITY CORRIDOR
- ROW (BOUNDRY WALL)
- STRUCTURE

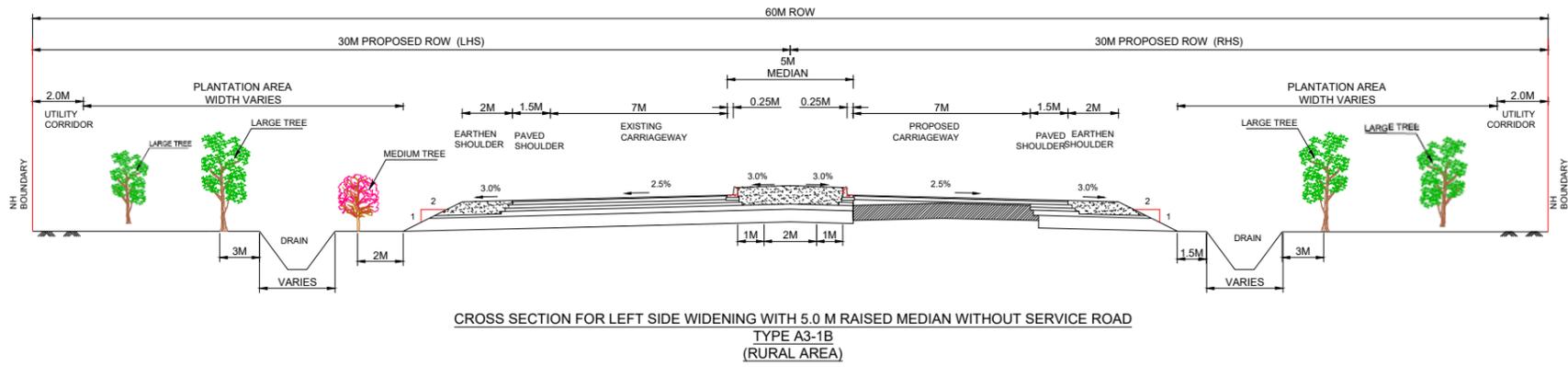




LEGENDS

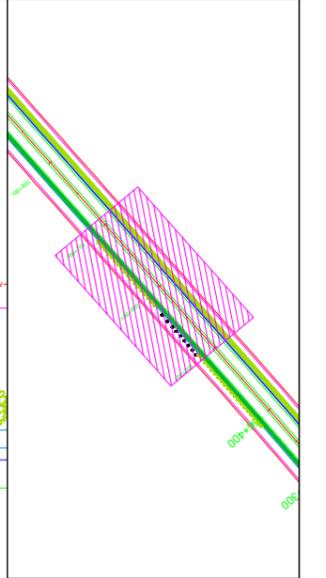
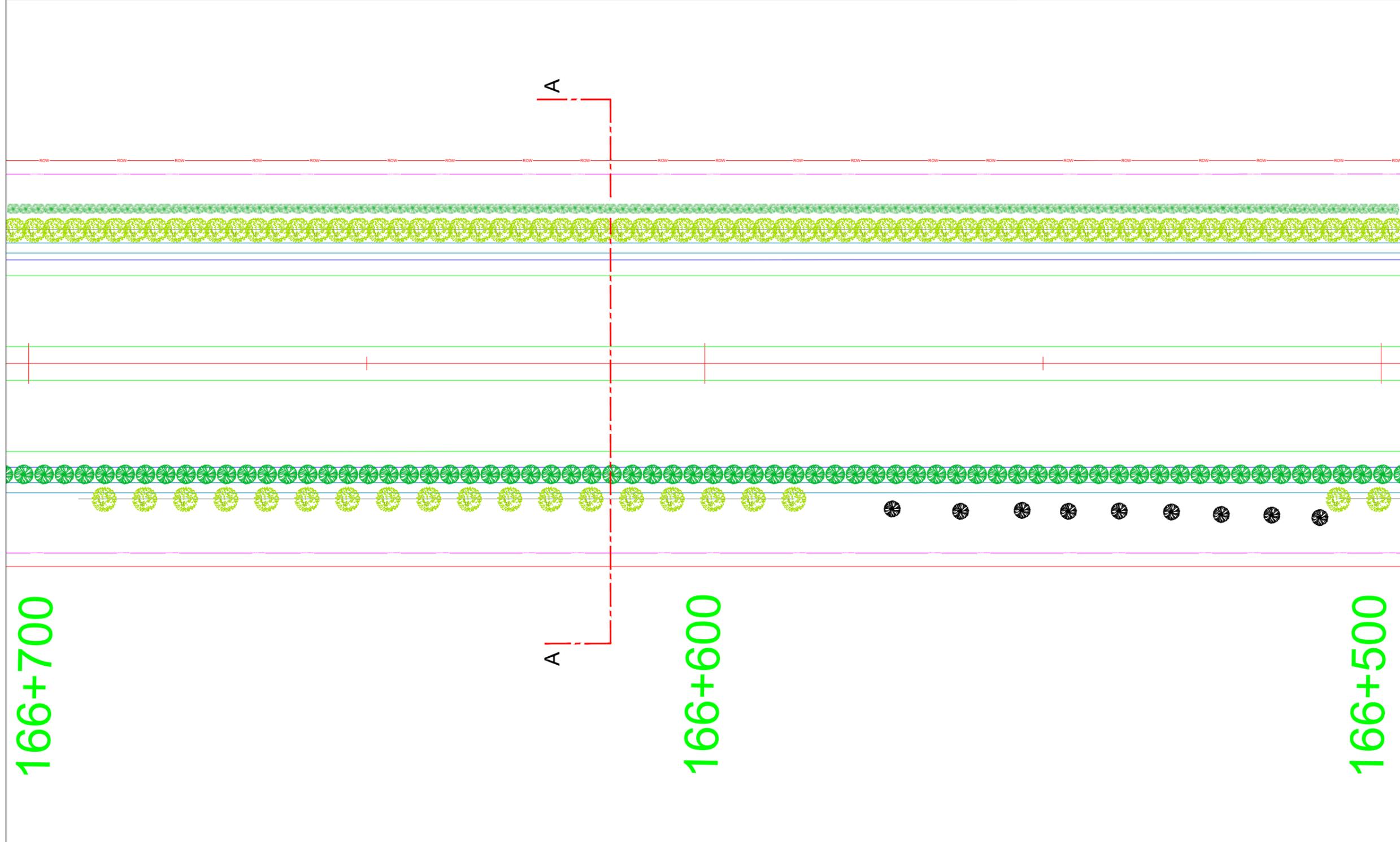
- MEDIUM TREE
- LARGE TREE
- EXISTING TREE
- EARTHEN SHOULDER EDGE
- CARRIAGEWAY
- DRAIN
- SERVICE ROAD
- UTILITY CORRIDOR
- ROW (BOUNDRY WALL)
- STRUCTURE





LEGENDS

-  MEDIUM TREE
-  LARGE TREE
-  EXISTING TREE
-  EARTHEN SHOULDER EDGE
-  CARRIAGEWAY
-  DRAIN
-  SERVICE ROAD
-  UTILITY CORRIDOR
-  ROW (BOUNDRY WALL)
-  STRUCTURE



I

Annexure-III

Horticulture DSR 2022-2023

GOVERNMENT OF MAHARASHTRA
PUBLIC WORK DEPARTMENT
PARKS & GARDENS, AURANGABAD /NASHIK
REGION

SCHEDULE OF RATES
FOR YEAR 2022-2023



INDEX

Sr. No.	CONTENT	PAGE NO
1	GENERAL NOTES	1 - 6
2	LABOUR RATES	7
3	MATERIAL RATES	8 - 10
4	ITEMS OF GARDEN WORK	11 - 14
5	PLANT LIST	15 - 39
6	MATERIAL CONSUMPTION STATEMENT	40
7	LEAD STATEMENT	41 - 44
8	PIT SIZE/ BAG SIZE/ HEIGHT TABLE FOR TREE VARIETY	45
9	SAMPLE ESTIMATES	46 - 50

1. GENERAL NOTES

GENERAL NOTES FOR HORTICULTURE SCHEDULE OF RATE

1. Schedule of Rates prepared for the **year 2022-23 is Operative from 18 April 2023** and is applicable for Aurangabad/ Nashik Region (Dist.: -Aurangabad ,Jalna,, Parbhani , Hingoli , Nanded, Latur, Osmanabad, Beed, Nashik, Ahemadnagar, Jalgaon, Dhule, Nandurbar) of Maharashtra.

2. For the rates in Corporation area, Municipal Council Areas, Mumbai, Notified Tribal area, Hilly inaccessible areas & Central Jail premises, Sugarcane factory area, Tiger project area, Coal / Manganese / Lime Mining area, Naxalite affected area and Mental Hospital premises & Pandemic Special Centers an increase of percentages over the normal schedule of rates (Basic completed item Rates) prescribed for the year 2022-23 are as follows: -

a)	Corporation Areas	5%
b)	Municipal Council Areas	4%
c)	Sugarcane factory area (within 10 km. radius)	5%
d)	Notified Tribal Areas / Hilly Area / Inaccessible areas	10%
e)	Inside Premises of Central Jail, Mental Hospital, , Yerawada Printing press.	15%
f)	Tiger project area inAmravati, Yevatmal, Vardha, Nagpur,Melghat	20%
g)	Coal / Lime /Manganese Mining area	5 %
h)	Naxalite affected area	20%
i)	Metropolitan areas notified by UDD excluding Municipal	2%

Issue rates of Schedule 'A' materials for above notified area shall be increased by respective percentage. The above percentage should be applied on the cost of items after deducting the cost of Specified materials, if issued on Schedule 'A'.

The Superintending Engineers should Specify the sugar factory areas/ coal mine areas/ Notified Tribal areas under their circles after ascertaining working condition of the Sugar factory.

The Notified Hilly / Inaccessible areas shall be considered as per **Government Resolution, Planning Department No. DVK-2009/CR-6/D-1483 Dated 18-01-2010 &31-01-2018.NoDVK-2015/CR-42/D-1481A Dated-15.06.2018 & 20.11.2018 and DVK-2015/CR-35/D-1483 Dated -31.07.2015 & Applicable GR of Planning Department.**

1. For all district excluding Gadchiroli, following instruction are applicable

The works which are pertaining to inside premises of central jail, Mental Hospital, Yerawada Printing press as well as in corporation area, an increase of percentage over normal scheduled

rates shall be considered both simultaneously e. g. If central jail is situated in corporation area an increase of 5% for corporation area and 15% for jail premises total 20% shall be considered.

2. For Gadchiroli District Notified Tribal area, Hilly or inaccessible area, an increase shall be $(10\%+20\%)=30\%$.

For other works the increase in rates as above shall be applicable one time only.

The Superintending Engineers, should notify the area (name of villages) where major coal/ mine activities are in progress and where these rates will be applicable.

3. Schedule of rates is based on the following basics rates of materials and labour:- Garden Soil, Farm Yard Manure, plant material , Excavation ,Filling , plantation and maintain till well established. Till well established means approx days are given. related to Mortality of plant materials different item wise have different mortality percentage are considered.

Provision of Water and electricity for Development of Garden work and Maintenance is responsibility of user Dept /Owner

Item involving use of material like Garden Soil, F Y M lawn, plant Material etc the variation in rates w.r.t. rate given in material Master are likely to vary district wise or place to place on account of such variation in rates may be either increase or decrease with some extent.

- Labor rates are adopted as per PWD DSR.
- Machinery hires charges rates provided by Mechanical wings of PWD.
- Taxes and Govt. Circulars.
 - a) Material rates are exclusive if GST (Goods and Services Tax). Rates for completed items are also exclusive of GST. While preparing estimates, separate provisions for GST should be made in recapitulation sheet.
 - b) As per govt. circular No.SSR-1090/CR-6453/PLN-3 Dt. 14.07.1993 and as per GR of industries and power department No. BCA-2009/CR-108/Labour 7-A dated 17.06.2010. Labour Cess at 1% has been considered separately in Rate Abstract.
 - c) For labour amenities and all other overhead charges, 10% provision is considered in Rate Abstract. In addition, 10% provision for contractors' profit is also considered separately.

As per Government of Maharashtra, Revenue and Forest Departments Gazette No. 146 Dt. 04 June 2021, States that the Royalty charges of Rs. 600/- Per Brass (i.e. Rs.211.95 /cum.) are to be considered. The surcharge levied on Royalty shall also be payable to the contractor in following manner. Royalty charges on all minor minerals do not form parts of Rate Abstract and shall be reimbursed separately on production of Proof to that effect. The Superintendent Engineer, PWD may modify and circulate Royalty charges in case of any modification are made by Govt. of Maharashtra. Royalty charges against estimated quantity shall be included in recapitulation sheets.

945

For all other Minerals = Royalty +surcharge

$$= 211.95+4.23 = 216.18 \text{ per Cu. Mtr.}$$

In DSR for items of completed item rate, which are inclusive of material Garden Soil, Quantity of Garden Soil per Cu. Mtr. is calculated in Consumption Statement.

Any revision in Royalty charges shall be included in the rate analysis of the respective item. If there is variation in Royalty charges the difference shall be paid extra over the items to the contractor and shall be recovered if the Royalty rates are reduced by Govt. i.e Revenue department.

While preparing Estimate, actual and practical distance of worksite from quarries shall be taken and adequate quantity of good quality material shall be ascertained by concerned Competent Authority

Labor Insurance Charges For garden Works should be added separately in recapulation sheet.

a)	Work value up to :- 25.00 Lakhs	1.0%
b)	Work value above: - 25.00 Lakhs	0.5%

4.1 In water scarcity area (the locality declared as draught prone area by District Collector for specified period) the Superintendent Engineer, PWD Concerned shall suitably increase the rate for particular item considering the requirement of water for that item.

5. Leads and lifts.

5.1 Rates For transportation of material by Truck from different leads have been worked out as per table given by National Building Organization. The cost per trip shown in statement 'C', also includes charges of running empty vehicle for return trip. For calculation of transportation charges rates tabulated in material master for following items are considered in the formula.

a) Mazdoor b) Diesel c) Mobile Oil d) Truck

5.2 For calculation of pay load factor a truck of 10 M. T. capacity is considered.

5.3 Rates worked out in the Rate Abstract includes initial lead of 50 m. for all completed items. Actual lead charges are to be added for items while framing the estimate wherever applicable.

5.4 Lead charges for various materials are given in statement C- 1 and these are inclusive of loading and unloading charges. Hence loading and unloading charges shall not be considered separately.

5.5 The Basic rates for all quarrying materials such as infertile and with weed, unwanted, garden soil are taken as rates at quarry with lead of 50 mtr. (Head load lead is not to be

deducted from lead)

- 5.6 While preparing estimates actual and practical distance of worksite from quarries shall be taken and adequate quantity of good material shall be ascertained by concerned officer in charge.

The DPR and estimate must certify on quarry chart.

1. Quarries selected have sufficient quantity of required of specific quality needed.
2. That shortest lead has been considered while preparing the estimates.
3. For murum & earth, lead from nearby farm/private lands shall not be taken. It should be taken from approved quarries only.
4. For pure garden soil supply work application of GST should be as per prevailing GST norms.
5. While preparing Rate Abstract for garden work compaction rate for garden soil is considered 16 % & F.Y.M. 8 %
6. Lead for soil supply is considered 80 km. & Lead for FYM supply is considered 70 km. Lead for soil & FYM are considered for Mumbai district only, other than Mumbai district area lead should be calculated and certified by competent authority And should be calculated as per Rate abstract attached on page no.....
7. Schedule of rates is based on the following basic material and labors. Garden soil, Farmyard Manure, plant material, excavation, filling plantation and maintenance is 30 days considered after plantation.
8. For mortality of plant material, according to variety it has been taken into consideration for calculating no. Of plants per sq. Meter. Mortality is already considered 10 % in Rate abstract.
9. Provision of water and electricity for development of garden work and maintenance is responsibility of user Dept / Owner.
10. For material other than DSR list rates should be taken or per prevailing market rates & should be approved by concern competent authority.
11. Material rates are exclusive of GST (Goods & Service Tax). Rates for completed items are also exclusive of GST. While preparation of estimates prevailing GST percentage, provision should be made separately in recapulation sheet.
13. The basic rates of materials are as per the rates charged by the main producers/ suppliers at their respective points of supply, as on the date of implementation of D.S.R.

are excluding GST. The rates of garden soil excluding GST.

14. Horticulturist / Garden in charge should ensure that the material such as garden soil, farmyard manure, plant materials procured are as per specification & good quality only and if farmyard manure of good quality not available then it should be replaced with same amount of vermicompost/organic manure. Also, material supply on site must be approved by Horticulturist / Garden in charge & should be certified by competent authority.

15. IF Water is not provided by the owner, the extra water charges @4 to 5 lit. per sq.mtr./ day for entire garden area including landscape area.

16. For government garden development work technical sanction/ scrutiny Should be taken from Parks & Garden Department / concern competent authority only for garden work.

17. For supply of self-watering system tree guard refer to PWD SSR-2022-23, Sr.370- & 371-chapter Road maintenance Item No.8.30 & 8.31 Page No. 79

18. The Rate for supply plants, Lawns & Other material at site are including overhead charges & Contractors Profit.

19. Transportation Charges :-

- a) The transportation charges beyond 30 km. to 50 km. are with 5 km. interval, 50 km. to 100 km. with 10 km. interval, 100 km. to 200 km. with 25 km. interval. The transportation charges for intermediate km. within the range shall be worked out by linearly interpolating between rates of the lower and upper values in the range.
- b) Statement C2 is for loading, unloading and stacking charges. Loading and unloading charges are to be deducted from Transportation charges in Statement C1, wherever transportation charges without loading and unloading are required

20. General Guidelines:

1. The contents of D.S.R. Annexure are as follows: -

Statement A-1 - Material Master. (Basic rates of materials)

Rates of Earthen pots / Plastic pots of Different size

For items involving use of material like Garden Soil, F Y M, Plant Material etc., the variation in rates w.r.t. rates given in material master are likely to vary District wise. On account of such variation in rates either increase or decrease, concerned Superintending Engineer/ Director Parks and Gardens may modify and approve the respective items invariably giving the effect on higher or lower side as the case may be. While doing so concerned competent authority shall keep the reasons in writing on record.

21. Precautions to be taken

For all items of garden development and Renovation work – Photographs showing initial conditions and photographs showing condition after execution of that particular item should be attached with Measurement Book.

Time frame should be fixed for completion of work

Photographs showing Excavation and Filling should be kept on record.

Provision should be made for taking Photographs, Video Shooting, etc. Separately in contingencies of the estimate.

- For any queries, please write us on e-mail dirmum.pg@mahapwd.gov.in

2.LABOUR

No.	ITEMS	UNIT	RATE 2022-23
1.	<p>Excavation: Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift up to 0.00 to 1.50 m.) By Manual Means. (Reference rate from PWD SSR 2022-23, w.e.f. 25-07-2022, Sr. No. 720, Chapter Excavation, Item No. 21.01, Reference No BDA 1 Page No.153)</p>	m ³	239.00
2.	<p>Filling fresh garden soil /silt & manure in excavated area including lead up to a distance of 50 Mtrs (Rates Form PWD SSR 2022-23 / Sr. No. -104 Item No-2.30 Page no.-25)</p>	m ³	79.00
3.	<p>Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete. (1/10 of unskilled labour i.e 648/10 + Including (Overhead Charges 10% & Contractor Profit 10%) (Labour Rates For PWD SSR 2022-23 / Sr. No. 62 Page no.-545)</p>	m ²	77.76
4.	<p>Unskilled Heavy Labour. (PWD SSR 2022-23 Page no.-545/ Sr. No. -36)</p>	Per Day	615.00
5.	<p>Semiskilled Labour (Mali) (PWD SSR 2022-23 Page no.-546/ Sr. No. -62)</p>	Per Day	648.00

3.**MATERIAL CHARGES**

Sr. No.	ITEMS	UNIT	RATE 2015-16
1.	<p><u>GARDEN SOIL</u>:-Supplying on site garden soil well sieved 80 % to pass through I.S. sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) <i>Item includes Transporting, loading -unloading etc (.Lead charges per 15 km. considered Excluding royalty.)</i></p>	m ³	770.00
2	<p><u>FARM YARD MANURE</u>:-Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box.(Farma) <i>Item includes Transporting, loading -unloading etc (.Lead charges per 10 km. considered.)</i></p>	m ³	975.00

*Rates as per lowest quotations received

OTHER MATERIAL

Item	Specification	Qty/Size	Rate
Vermicompost: -	Good quality well decomposed black colored, odourless pest and disease free, with appropriate nutrient and moisture content free from unwanted rubbish material.	Per kg.	18/-
Coco peat: -	Good quality washed having low e.c. (electrical conductivity) good water retention capacity, free from unwanted rubbish material.	Per kg.	20/-
Plastic Pot: -	Prepared from recyclable plastic material, good quality durable, handy, U.V. Resistance & non colour fading quality.	12" ht	85/-
		10" ht	52/-
		8" ht	42/-
Cement Pot: -	Good quality, durable, well finished on edge with good strength.	36" x 18" x 18"	1000/-
		24" x 12" x 12"	700/-
		18" x 18" x 18"	600/-
		12" x 12" x 12"	300/-
Earthen Pot: -	Well baked earthen pots having good strength.	12" ht	120/-
		10"	100/-
Moss stick: -	Prepared from dried sphagnum moss, good quality, good water retention capacity long life etc. Length 2 ft. 3 ft.	2 ft length	80/-
		3 ft length	120/-
Coir stick: -	Prepared from coconut husks, good quality, long life etc. Length 2 ft, 3 ft.	2 ft length	70/-
		3 ft length	105/-
Bamboo Stake: -	2 to 3 mtr. Useful for supporting plants from height 1 mtr to 4 mtrs, straight, erect etc.	2 mtr length	30/-
		3 mtr length	45/-
Shade net: -	1. 50% S.F. good tensile strength, long life, fire resistant good quality, light and heat absorbent. 2. 75% S.F. good tensile strength, long life, fire resistant good quality, light and heat absorbent.	50% s.f./ per sq.mtr	45/-
		75% s.f./ per sq.mtr	50/-
Weed mat/ Mulch mat: -	Good quality, durable, long life, U.V. degradable, useful for controlling weed, conserving soil moisture.	Per Sq.mtr	35/-

*Rates are excluding corporation charges

RATE ABSTRACT FOR SOIL AND FYM

Sr.No.	Description	Rate	Per	Total
1.	<u>GARDEN SOIL</u> : -Supplying on site garden soil well sieved 80 % to pass through I.S. sieve of 10 mm size free from stones rubbish like dried grass roots and other such materials. The soil should be fresh from quarry. The color of the soil generally is red. The soil will be measured by measuring box. (Farma) <i>Item includes Transporting, loading -unloading etc. (Lead charges per 15 km. considered. Excluding Royalty)</i>			
A)	As per above description compensation for soil at source	250	Cum	250.00
B)	Lead charges for soil supply considering 15 km lead from source. (As PWD SSR 2022-23 statement- C-1 (With Machine Loading) Page No. 560)	393.44	Cum	393.44
C)	Overhead Charges @ 10%	64.34	Cum	64.34
D)	Contractor's profit @ 10%	64.34	Cum	64.34
Total Rate...				772.12
Say Rs...				772/-

*Rates are excluding corporation charges

*Lead charges taken into consideration as per actual site location for Mumbai district only.

*For other districts lead should be calculated as per actual site location and distance from the source.

Sr.No.	Description	Rate	Per	Total
1.	<u>FARM YARD MANURE</u> : -Supplying on site well decayed, well dried, well powdered, without clods and free from stones, dried grass and other rubbish material. The color of the manure generally is black. The manure will be measured by measuring box. (Farma) <i>Item includes Transporting, loading -unloading etc (Lead charges per 10 km. considered.)</i>			
A)	As per above description compensation for FYM at source	450	Cum	450
B)	Lead charges for FYM supply considering 10 km lead from source. (As PWD SSR 2022-23 statement- C-1 (With Machine Loading) Page No. 560)	364.15	Cum	364.15
C)	Overhead Charges @ 10%	81.41	Cum	81.41
D)	Contractor's profit @ 10%	81.41	Cum	81.41
Total Rate...				976.97
Say Rs...				977/-

*Rates are excluding corporation charges

*Lead charges taken into consideration as per actual site location for Mumbai district only.

*For other districts lead should be calculated as per actual site location and distance from the source.

4. ITEMS OF GARDEN WORK

S. No.	Item	Rate	Unit
1	Labour charges for removing grass, thorny shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete.	7.00	Sqm.
2	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	6.00	Sqm.
3	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms.	71.70	Sqm.
4	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 25 cms.	59.75	Sqm.
5	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms.	47.80	Sqm.
6	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 15 cms.	35.85	Sqm.
7	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 10 cms.	23.90	Sqm.
8	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 5cms.	11.95	Sqm.
9	Excavation pit size 0.30 x 0.30 x 0.30m for planting rose plants/ climbers/ creepers in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	6.45	Per No.
10	Excavation pit size 0.45 x 0.45 x 0.45m for planting specimen plants in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	21.78	Per No.
11	Excavation pit size 0.60 x 0.60 x 0.60m for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	51.62	Per No.
12	Excavation pit size 1.00 x 1.00 x 1.00m for planting large flowering/ shady trees (plant height 2 to 4 mtr.)/ palm varieties of height (plant height 2 to 4 mtr.) in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs.	239.00	Per No.
13	Filling fresh garden soil / silt & manure in excavated area of depth 30cms. (1/10 of unskilled labour)	27.02	Sqm.

14	Filling fresh garden soil / silt & manure in excavated area of depth 25cms. (1/10 of unskilled labour)	22.59	Sqm.
15	Filling fresh garden soil / silt & manure in excavated area of depth 20cms. (1/10 of unskilled labour)	18.01	Sqm.
16	Filling fresh garden soil / silt & manure in excavated area of depth 15cms. (1/10 of unskilled labour)	13.59	Sqm.
17	Filling fresh garden soil / silt & manure in excavated area of depth 10cms. (1/10 of unskilled labour)	9.01	Sqm.
18	Filling fresh garden soil / silt & manure in excavated area of depth 5cms. (1/10 of unskilled labour)	4.58	Sqm.
19	Filling fresh garden soil / silt & manure in excavated pit size area of 0.30 x 0.30 x 0.30m (1/10 of unskilled labour)	2.37	Per No.
20	Filling fresh garden soil / silt & manure in excavated pit size area of 0.45 x 0.45 x 0.45m (1/10 of unskilled labour)	8.06	Per No.
21	Filling fresh garden soil / silt & manure in excavated pit size area of 0.60 x 0.60 x 0.60m (1/10 of unskilled labour)	18.88	Per No.
22	Filling fresh garden soil / silt & manure in excavated pit size area of 1.00 x 1.00 x 1.00m (1/10 of unskilled labour)	80.11	Per No.
23	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species, lawn grass as directed etc. complete for required depth 5 to 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)	77.76	Sqm.
24	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.30 x 0.30 x 0.30m. (1/10 of semiskilled labour)	7.00	Per No.
25	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.45 x 0.45 x 0.45m. (1/10 of semiskilled labour)	15.75	Per No.
26	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.60 x 0.60 x 0.60m. (1/10 of semiskilled labour)	27.99	Per No.
27	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 1.00 x 1.00 x 1.00m. (1/10 of semiskilled labour)	77.76	Per No.
28	Maintenance of Newly Developed lawn Area. For First 30 days Only (Paspalum/ selection)	35.38	Sqm.
29	Maintenance of Newly Developed lawn Area. For First 30 days Only (Instant Lawn)	32.65	Sqm.
30	Maintenance of Newly Developed Canna bed/ flower bed Area. For First 30 days Only	43.74	Sqm.
31	Maintenance of Newly Developed Shrubbery/ Hedges/ Edges/ Ground covers Area. For First 30 days Only	36.74	Sqm.
32	Maintainance of Newly planted rose plant For First 30 days Only	70.45	Sqm.

33	Maintainance of Newly planted small and medium size ornamental plant / specimen plant for first 30 day only.	56.84	Sqm.
34	Maintainance of Newly planted tree varities having height 1 mtr.- 2 mtr. For First 30 days Only	142.84	Sqm.
35	Maintainance of Newly planted tree varities having height 2 mtr.- 4 mtr. For First 30 days Only	165.24	Sqm.
36 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 30 cms (consolidated thickness). Quantity of soil 0.261 cum x 770/cum = 200.97/-	200.97	Sqm.
36 b	Supplying on site well decomposed Farm Yard Manure (i. e. 1 part FYM) for excavation area of depth of 30 cms (consolidated thickness). Quantity of FYM 0.081 cum x 975/cum = 78.97/-	78.97	Sqm.
37 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 25 cms (consolidated thickness). Quantity of soil 0.218 cum x 770 /cum = 167.86/-	167.86	Sqm.
37 b	Supplying on site well decomposed Farm Yard Manure (i. e. 1 part FYM) for excavation area of depth of 25 cms (consolidated thickness). Quantity of FYM 0.068 cum x 975/cum = 66.30/-	66.30	Sqm.
38 a	Supplying on site fresh Garden soil (i. e. 3 part soil)(free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms (consolidated thickness). Quantity of soil 0.174 cum x 770 /cum = 133.98/-	133.98	Sqm.
38 b	Supplying on site well decomposed Farmyard Manure (i. e. 1-part FYM) for excavation area of depth of 20 cms (consolidated thickness). Quantity of FYM 0.054cum x 975/cum = 52.65/-	52.65	Sqm.
39 a	Supplying on site fresh Garden soil (i. e. 3 part soil)(free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 15 cms (consolidated thickness). Quantity of soil 0.131cum x 770/cum = 100.87/-	100.87	Sqm.
39 b	Supplying on site well decomposed Farm Yard Manure (i. e. 1 part FYM) for excavation area of depth of 15 cms (consolidated thickness). Quantity of FYM 0.041cum x 975/cum = 39.97/-	39.97	Sqm.
40 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 10 cms (consolidated thickness). Quantity of soil 0.087cum x 770/cum = 66.99/-	66.99	Sqm.
40 b	Supplying on site well decomposed Farm Yard Manure (i. e. 1 part FYM) for excavation area of depth of 10 cms (consolidated thickness). Quantity of FYM 0.027 cum x 975/cum = 26.32/-	26.32	Sqm.
41 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 5 cms (consolidated thickness). Quantity of soil 0.044 cum x 770/cum = 33.88/-	33.88	Sqm.

956

41 b	Supplying on site well decomposed Farm Yard Manure (i. e. 1 part FYM) for excavation area of depth of 5 cms (consolidated thickness). Quantity of FYM 0.014 cum x 975 /cum = 13.65/-	13.65	Sqm.
42 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.30 x 0.30 x 0.30m (consolidated thickness). Quantity of soil 0.023cum x 770/cum = 17.71/-	17.71	Per No.
42 b	Supplying on site well decomposed Farm Yard Manure FYM (i. e. 1 part FYM) for excavated pit size area of 0.30 x 0.30 x 0.30m (consolidated thickness). Quantity of FYM 0.007cum x 975/cum = 6.82/-	6.82	Per No.
43 a	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) (i. e. 3 parts Garden soil) for excavated pit size area of 0.45 x 0.45 x 0.45m (consolidated thickness). Quantity of soil 0.079cum x 770/cum = 60.83/-	60.83	Per No.
43 b	Supplying on site well decomposed Farmyard Manure FYM in 3:1 proportion (i. e. 1-part FYM) for excavated pit size area of 0.45 x 0.45 x 0.45m (consolidated thickness). Quantity of FYM 0.023 cum x 975/cum = 22.42/-	22.42	Per No.
44 a	Supplying on site fresh Garden soil (i. e. 3-part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of soil 0.141 cum x 770/cum = 108.57/-	108.57	Per No.
44 b	Supplying on site well decomposed Farmyard Manure FYM (i. e. 1-part FYM) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness). Quantity of FYM 0.044 cum x 975/cum = 42.90/-	42.90	Per No.
45 a	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 1 x 1 x 1m (consolidated thickness). Quantity of soil 0.653 cum x 770/cum = 502.81/-	502.81	Per No.
45 b	Supplying on site well decomposed Farmyard Manure FYM (i. e. 1-part FYM) for excavated pit size area of 1 x 1 x 1m. (consolidated thickness). Quantity of FYM 0.202 cum x 975/cum = 196.95/-	196.95	Per No.
46	Providing on site required variety of lawn (free from weeds /disease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c.	60.00	Sqm.
47	Providing on site well established (free from weeds /disease etc.) ready to fix lawn turf in slabs/ rolls of required variety as directed .	215.00	Sqm.

PLANT LIST

1 (a) Flowering Shrubs				
<u>Specification:-</u> Well Developed ,Fresh, Healthy half in bloom, free from pest and diseases.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	<u>Approved Rates</u>
1	Aboli/Crossandra	6" Pots	15 cm to 30 cm	75
2	Allamanda	8'X10'	30 cm to 45 cm	25
3	Caesalpinia pulcherrima	8" x 10"	30 cm to 60 cm	25
4	Eranthemum laxiflorum	8" x 10"	30 cm to 45 cm	18
5	Gardenia/Anant	8" x 10"	30 cm to 45 cm	38
6	Hamelia patens	8" x 10"	30 cm to 45 cm	15
7	Hibiscus	8" x 10"	30 cm to 45 cm	30
8	Ixora mini	8" x 10"	15 cm to 30 cm	30
9	Ixora Duffy pink	8" x 10"	15 cm to 30 cm	55
10	Ixorachinensis	7" x 8"	15 cm to 20 cm	55
11	Ixora singaporensis	8" x 10"	20 cm to 45 cm	38
12	Jatropha	8" x 10"	20 cm to 45 cm	25
13	Tagar mini	8" x 10"	15 cm to 30 cm	30
14	Mogara/Jasminum	8" x 10"	15 cm to 30 cm	25
15	Murraya / Kamini	7" x 8"	20 cm to 30 cm	25
16	Mussaenda	8" x 10"	20 cm to 45 cm	60
17	Nerium	8" x 10"	30 cm to 60 cm	25
18	Nerium dwarf	7" x 8"	15 cm to 20 cm	38

19	Ratrani/Night queen	8" x 10"	30 cm to 45 cm	25
20	Pentas	7" x 8"	15 cm to 25 cm	30
21	Plumbago	8" x 10"	30 cm to 45 cm	60
22	Powder puff plant	8" x 10"	30 cm to 45 cm	55
23	Russelia	7" x 8"	15 cm to 30 cm	30
24	Tagar	7" x 8"	15 cm to 30 cm	23
25	Tagar variegated	7" x 8"	15 cm to 30 cm	30
26	Tecoma capensis	7" x 8"	15 cm to 30 cm	45
27	Thevetia	7" x 8"	30 cm to 45 cm	15
28	Heliconia any type	7" x 8"	30 cm to 45 cm	45
29	Plumeria Alba	13" x 13"	120cm to 180cm	675
30	Plumeria Rubra	13" x 13"	120cm to 180cm	1125
31	Plumeria Dwarf singapore pink	13" x 13"	60 cm to 90 cm	600
32	Spathiphyllum	7" x 8"	15 cm to 20 cm	38
33	Sonchafa Grafted	8" x 10"	30 cm to 45 cm	225

1 (b) Flowering Shrubs				
S. No.	Name Of Plant	Bag Size	Height Of Plant	<u>Approved Rates</u>
1	Aboli/Crossandra	7" x 8"	15 cm to 30 cm	45
2	Allamanda	10" x 10"	15 cm to 30 cm	60
3	Caesalpinia pulcherrima	8" x 10"	45 cm to 60 cm	55
4	Eranthemum laxiflorum	8" x 10"	45 cm to 60 cm	55
5	Gardenia/Anant	8" x 10"	45 cm to 60 cm	75

6	Hamelia patens	8" x 10"	45 cm to 60 cm	55
7	Hibiscus	8" x 10"	45 cm to 60 cm	68
8	Ixora mini	8" x 10"	30 cm to 45 cm	60
9	Ixora Duffy pink	8" x 10"	25 cm to 40 cm	75
10	Ixorachinensis	8" x 10"	25 cm to 40 cm	75
11	Ixora singaporensis	8" x 10"	30 cm to 60 cm	105
12	Jatropha	8" x 10"	45 cm to 60 cm	45
13	Tagar mini	9"x11"	20 cm to 45 cm	60
14	Mogara/Jasminum	9"x11"	20 cm to 45 cm	53
15	Murraya / Kamini	9"x11"	20 cm to 45 cm	60
16	Mussaenda	9"x11"	20 cm to 45 cm	120
17	Nerium	8" x 10"	60 cm to 90 cm	60
18	Nerium dwarf	8" x 10"	45 cm to 60 cm	75
19	Ratrani/Night queen	8" x 10"	45 cm to 60 cm	60
20	Pentas	6" Pot	20 cm to 30 cm	60
21	Plumbago	9"x11"	45 cm to 60 cm	120
22	Powder puff plant	13" x 13"	45 cm to 60 cm	90
23	Russelia	8" x 10"	30 cm to 45 cm	60
24	Tagar	10" x 10"	30 cm to 60 cm	55
25	Tagar variegated	10" x 10"	30 cm to 60 cm	55
26	Tecoma capensis	10" x 10"	30 cm to 60 cm	75
27	Thevetia	10" x 10"	60 cm to 75 cm	30
28	Heliconia any type	18 " x 18 "	60 cm to 75 cm	75

29	Plumeria Alba	18 " x 18 "	240cm to 270cm	1350
30	Plumeria Rubra	18 " x 18 "	240cm to 270cm	2250
31	Plumeria Dwarf singapore pink	18 " x 18 "	90 cm to 120 cm	3000
32	Spathiphyllum	8" x 10"	15 cm to 30 cm	75
33	Sonchafa Grafted	10" x 10"	90 cm to 120 cm	375

2 (a)Foliage Shrubs

Specification:- Well Developed ,Fresh, Healthy bright Colour Leaves ,free from pest and diseases

S. No.	Name Of Plant	Bag Size	Height Of Plant	<u>Approved Rates</u>
1	Aglaonema	8" x 10"	30 cm to 45 cm	225
2	Alpinia	8" x 10"	30 cm to 45 cm	120
3	Aralia	7" x 8"	30 cm to 45 cm	38
4	Asparagus	7" x 8"	20 cm to 30 cm	22
5	Cordyline	10" x 10"	30 cm to 45 cm	45
6	Croton	7" x 8"	20 cm to 30 cm	38
7	Cyperus golden	13" x 13"	60 cm to 90 cm	525
8	Dianella	7" x 8"	20 cm to 30 cm	22
9	Dieffenbachia	13" x 13"	30 cm to 45 cm	60
10	Duranta Golden	7" x 8"	25 cm to 30 cm	22
11	Fern	8" x 10"	15 cm to 30 cm	30
12	Ficus benjamina	8" x 10"	30 cm to 60 cm	60
13	Ficus blackeana	8" x 10"	30 cm to 45 cm	60
14	Ficus Golden	8" x 10"	30 cm to 45 cm	60

15	Ficus nuda	8" x 10"	30 cm to 45 cm	75
16	Ficus panda	8" x 10"	30 cm to 45 cm	75
17	Ficus Safari	8" x 10"	30 cm to 45 cm	105
18	Ficus Starlight	8" x 10"	30 cm to 45 cm	105
19	LailaMajnu/Exocaria	8" x 10"	25 cm to 30 cm	45
20	Limonia	8" x 10"	25 cm to 30 cm	60
21	Malphigia	8" x 10"	30 cm to 45 cm	25
22	Maranta	8" x 10"	15 cm to 30 cm	75
23	Mayurpankhi/Thuja	8" x 10"	30 cm to 45 cm	60
24	Pisonia alba	8" x 10"	20 cm to 30 cm	60
25	Pedilanthus	8" x 10"	30 cm to 45 cm	15
26	Schefflera green	8" x 10"	20 cm to 30 cm	45
27	Schefflera variegated	8" x 10"	30 cm to 45 cm	75
28	Bostan Fern	8" x 10"	20 cm to 30 cm	450

2 (b) Foliage Shrubs

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	<u>Approved Rates</u>
1	Aglaonema	13" x 13"	30 cm to 60 cm	675
2	Alpinia	13" x 13"	30 cm to 60 cm	225
3	Aralia	13" x 13"	30 cm to 60 cm	105
4	Asparagus	10" x 10"	30 cm to 45 cm	45
5	Cordyline	13" x 13"	30 cm to 60 cm	225
6	Croton	13" x 13"	30 cm to 60 cm	180

962

7	Cycas	18" x 18"	90 cm to 120 cm	2250
8	Cyperus golden	18" x 18"	90 cm to 120 cm	825
9	Dianella	10" x 10"	30 cm to 45 cm	45
10	Diffenbachia	13" x 13"	45 cm to 60 cm	105
11	Duranta Golden	10" x 10"	30 cm to 45 cm	38
12	Fern (Common)	10" x 10"	30 cm to 45 cm	68
13	Ficus Benjamin	13" x 13"	60 cm to 90 cm	150
14	Ficus blackeana	13" x 13"	45 cm to 60 cm	150
15	Ficus Golden	13" x 13"	45 cm to 60 cm	150
16	Ficus nuda	13" x 13"	45 cm to 60 cm	180
17	Ficus panda	13" x 13"	45 cm to 60 cm	180
18	Ficus Safari	13" x 13"	45 cm to 60 cm	225
19	Ficus Starlight	13" x 13"	45 cm to 60 cm	225
20	Malphigia	10" x 10"	45 cm to 60 cm	45
21	Mayurpankhi/Thuja	13" x 13"	45 cm to 60 cm	225
22	Pisonia alba	10" x 10"	30 cm to 45 cm	225
23	Pedilanthus	10" x 10"	30 cm to 45 cm	38
24	Schefflera green	13" x 13"	45 cm to 60 cm	120
25	Schefflera variegated	13" x 13"	45 cm to 60 cm	225

3 Flowering Climbers and Creepers				
Specification:- Well Developed , Healthy Fresh Free from Pest and Diseses				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Lahsunvel/ Garlic wine (Mansoa alliacea)	7" x 8"	15 cm to 30 cm	30
2	Allamanda (Allamanda cathertica)	7" x 8"	15 cm to 30 cm	45
3	Clerodendrum	7" x 8"	15 cm to 30 cm	45
4	Rangoon creeper/ Madhu malati (Combretumindicum)	7" x 8"	15 cm to 30 cm	38
5	Jai (Jasminum grandiflorum)	7" x 8"	15 cm to 30 cm	22
6	Kunda (Jasminum multiflorum)	7" x 8"	15 cm to 30 cm	22
7	Jui (Jasminum officinale)	7" x 8"	15 cm to 30 cm	22
8	Honey suckles (Lonicerahildebrandiana)	7" x 8"	15 cm to 30 cm	30
9	Passionflower (Passiflora Blue)	7" x 8"	15 cm to 30 cm	45
10	Heavenly blue/Morning glory (Thunbergia grandiflora)	7" x 8"	15 cm to 30 cm	30
11	Clerodendron (Clerodendron splendens)	7" x 8"	15 cm to 30 cm	55

4 Bulbous/Rhizomatous plants				
Specification:- Healthy, Fresh , Free from Diseses and Pest				
S. No.	Name Of Plant	No	Rate per No	Approved rates
1	Amarallis lily	7" X 8"	30 cm to 45 cm	30
2	Begonia	7" X 8"	30 cm to 45 cm	30
3	Canna Dwarf	7" X 8"	30 cm to 40 cm	22
4	Dahlia	7" X 8"	30 cm to 45 cm	50

5	Hedychium-Sontakka	7" X 8"	30 cm to 45 cm	30
6	Lilium sp.	7" X 8"	15 cm to 20 cm	150
7	Lily	7" X 8"	30 cm to 45 cm	15
8	Spider lily—Hymenocallis	7" X 8"	30 cm to 45 cm	15
9	Tuberose	7" X 8"	30 cm to 45 cm	22
10	Chrysanthemum	7" X 8"	30 cm to 45 cm	38

5 (a) Flowering Trees

Specification:- Minimum Girth 2 to 3 c.m. Minimum 4 to 5 Branches with Maximum number of Leaves, Plant should be Healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	8" x 10"	3 ft to 4 ft	90
2	Bakul	8" x 10"	3 ft to 4 ft	90
3	Bottle brush	8" x 10"	3 ft to 4 ft	60
4	Gulmohar	8" x 10"	3 ft to 4 ft	60
5	Kadamb	8" x 10"	3 ft to 4 ft	75
6	Kanchan	8" x 10"	3 ft to 4 ft	75
7	Largesstroemea	8" x 10"	3 ft to 4 ft	75
9	Nilmohar	8" x 10"	3 ft to 4 ft	75
10	parijat	8" x 10"	3 ft to 4 ft	105
11	Rain tree	8" x 10"	3 ft to 4 ft	60
12	Sita ashok	8" x 10"	3 ft to 4 ft	120
13	Sonmohor/Peltophorum	8" x 10"	3 ft to 4 ft	60
14	Spathodia	8" x 10"	3 ft to 4 ft	60
15	Tabebuia	8" x 10"	3 ft to 4 ft	75
16	Palas	8" x 10"	3 ft to 4 ft	75

5 (b) Flowering Trees

Specification:- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves , with clear trunk, healthy condition Free from pest and diseases, well setled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	13" x 13"	6 ft to 8 ft	300
2	Bakul	13" x 13"	6 ft to 8 ft	300
3	Bottle brush	13" x 13"	6 ft to 8 ft	375
4	Gulmohar	13" x 13"	6 ft to 8 ft	225
5	Kadamb	13" x 13"	6 ft to 8 ft	300
6	Kanchan	13" x 13"	6 ft to 8 ft	375
7	Largesstroemea	13" x 13"	6 ft to 8 ft	375
8	Nilmohar	13" x 13"	6 ft to 8 ft	225
9	Parijat	13" x 13"	6 ft to 8 ft	450
10	Rain tree	13" x 13"	6 ft to 8 ft	225
11	Sita ashok	13" x 13"	6 ft to 8 ft	450
12	Sonmohor/Peltophorum	13" x 13"	6 ft to 8 ft	225
13	Spathodia	13" x 13"	6 ft to 8 ft	225
14	Tabebuia	13" x 13"	6 ft to 8 ft	300
15	Palas	13" x 13"	6 ft to 8 ft	450

5 (c) Flowering Trees

Specification:- Minimum Girth 8 to 10 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves , clear trunk, well Developed Canopy, Healthy condition Free from pest and diseases, well setled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	18" x 18"	8 ft to 10 ft	600
2	Bakul	18" x 18"	8 ft to 10 ft	600
3	Bottle brush	18" x 18"	8 ft to 10 ft	525
4	Gulmohar	18" x 18"	8 ft to 10 ft	450

5	Kadamb	18" x 18"	8 ft to 10 ft	525
6	Kanchan	18" x 18"	8 ft to 10 ft	600
7	Largesstroemea	18" x 18"	8 ft to 10 ft	675
8	Nilmohar	18" x 18"	8 ft to 10 ft	525
9	Rain tree	18" x 18"	8 ft to 10 ft	525
10	Sita ashok	18" x 18"	8 ft to 10 ft	750
11	Sonmohor/Peltophorum	18" x 18"	8 ft to 10 ft	525
12	Spathodia	18" x 18"	8 ft to 10 ft	525
13	Tabebuia	18" x 18"	8 ft to 10 ft	600

5 (d) Flowering Trees

Specification:- Minimum Girth 10m to 15 c.m. Clear trunk , with Maximum number of Leaves , well Developed Canopy Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bahva (Amaltash)	21" x 21"	Above 10 ft	1425
2	Bakul	21" x 21"	Above 10 ft	1425
3	Kadamb	21" x 21"	Above 10 ft	1350
4	Rain tree	21" x 21"	Above 10 ft	1275
5	Sonmohor/Peltophorum	21" x 21"	Above 10 ft	1275
6	Spathodia	21" x 21"	Above 10 ft	1275
7	Tabebuia	21" x 21"	Above 10 ft	1425

6 (a) Foliage Trees

Specification:- Minimum Girth 2 to 3 c.m. Minimum 4 to 5 Branches with Maximum number of Leaves, Plant should be Healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	8" x 10"	3 ft to 4 ft	90
2	Anola	8" x 10"	3 ft to 4 ft	105
3	Arjuna	8" x 10"	3 ft to 4 ft	90
4	Bael	8" x 10"	3 ft to 4 ft	105
5	Baheda	8" x 10"	3 ft to 4 ft	60
6	Dalbergia	8" x 10"	3 ft to 4 ft	75
7	Deshi Badam	8" x 10"	3 ft to 4 ft	60
8	Drooping Ashok	8" x 10"	3 ft to 4 ft	90
9	Filicium/Fern Tree	8" x 10"	3 ft to 4 ft	150
10	KaduNeem	8" x 10"	3 ft to 4 ft	90
11	Karanj	8" x 10"	3 ft to 4 ft	60
12	Peepal	8" x 10"	3 ft to 4 ft	90
13	Putranjivia	8" x 10"	3 ft to 4 ft	90
14	Silver Oak	8" x 10"	3 ft to 4 ft	120
15	Tamarind	8" x 10"	3 ft to 4 ft	75
16	Wad/banyan	8" x 10"	3 ft to 4 ft	120

6 (b) Foliage Trees

Specification:- Minimum Girth 5 to 7 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves , with clear tunk, healthy condition Free from pest and diseases, well seteled in appropriate size of Plybag, uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	13" x 13"	6 ft to 8 ft	225
2	Anola	13" x 13"	6 ft to 8 ft	225

3	Arjuna	13" x 13"	6 ft to 8 ft	225
4	Deshi Badam	13" x 13"	6 ft to 8 ft	225
5	Drooping Ashok	13" x 13"	6 ft to 8 ft	300
6	Filicium/Fern Tree	13" x 13"	6 ft to 8 ft	450
7	KaduNeem	13" x 13"	6 ft to 8 ft	225
8	Karanj	13" x 13"	6 ft to 8 ft	225
9	Peepal	13" x 13"	6 ft to 8 ft	300
10	Putranjivia	13" x 13"	6 ft to 8 ft	300
11	Silver Oak	13" x 13"	6 ft to 8 ft	300
12	Tamarind	13" x 13"	6 ft to 8 ft	300
13	Wad/banyan	13" x 13"	6 ft to 8 ft	450

6 (c) Foliage Trees

Specification:- Minimum Girth 8 to 10 c.m. Minimum 5 to 6 Branches with Maximum number of Leaves ,clear trunk, well Developed Canopy,Healthy condition Free from pest and diseases,well seteled in appropriate size of Plybag,uniform in size and root system are undamaged.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alstonia/Satvin	18" x 18"	8 ft to 10 ft	525
2	Anola	18" x 18"	8 ft to 10 ft	600
3	Arjuna	18" x 18"	8 ft to 10 ft	600
4	Deshi Badam	18" x 18"	8 ft to 10 ft	525
5	Drooping Ashok	18" x 18"	8 ft to 10 ft	750
6	Filicium/Fern Tree	18" x 18"	8 ft to 10 ft	750
7	KaduNeem	18" x 18"	8 ft to 10 ft	525
8	Karanj	18" x 18"	8 ft to 10 ft	525
9	Peepal	18" x 18"	8 ft to 10 ft	675
10	Putranjivia	18" x 18"	8 ft to 10 ft	675
11	Silver Oak	18" x 18"	8 ft to 10 ft	750
12	Wad/banyan	18" x 18"	8 ft to 10 ft	900

7 (a) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Acalypha	7" x 8"	20 cm and above	15
2	Bougainvillea	7" x 8"	20 cm and above	22
3	Duranta golden	7" x 8"	20 cm and above	22
4	Duranta other	7" x 8"	20 cm and above	30
5	Eranthimum	7" x 8"	20 cm and above	18
6	Hamelia	7" x 8"	20 cm and above	15
7	Hibiscus	7" x 8"	20 cm and above	30
8	Justicia coccinia	7" x 8"	20 cm and above	15
9	Lantana	7" x 8"	20 cm and above	18
10	Malpighia coccigera	7" x 8"	20 cm and above	22
11	Telecoma stans	7" x 8"	20 cm and above	22
12	Bougavillae Thema	7" x 8"	20 cm and above	45
13	Bougavillae Glabra	7" x 8"	20 cm and above	60

7(b) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Acalypha	8" x 10"	40 cm to 50 cm	38
2	Bougainvillea Common	8" x 10"	30 cm to 50 cm	60
3	Duranta golden	8" x 10"	30 cm to 50 cm	45
4	Duranta other	8" x 10"	30 cm to 50 cm	60

5	Eranthimum	8" x 10"	20 cm to 45 cm	52
6	Hamelia	8" x 10"	20 cm to 45 cm	52
7	Hibiscus	8" x 11"	20 cm to 45 cm	75
8	Malpighia coccigera	10" x 10"	30 cm to 60 cm	45
9	Telecoma stans	10" x 10"	30 cm to 60 cm	75
10	Bougavillae Thema	8" x 10"	30 cm to 50 cm	105
11	Bougavillae Glabra	8" x 10"	30 cm to 50 cm	105

7(c) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bougainvillea sp Singh	13" x 13"	50 cm to 60 cm	375
2	Telecoma stans	13" x 13"	50 cm to 60 cm	225
3	Bougavillae Thema	13" x 13"	50 cm to 60 cm	525
4	Bougavillae Glabra	13" x 13"	50 cm to 60 cm	525

7 (d) Hedges

Specification:- Well Developed, Healthy Foliage / Half Bloom Stage , Free from Pest and Diseases.

Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Bougainvillea sp Singh	18" x 18"	60 cm to 75 cm	900
2	Bougavillae Thema	18" x 18"	60 cm to 75 cm	1125
3	Bougavillae Glabra	13" x 13"	60 cm to 75 cm	1125

8 Ground Covers				
Specification:- Well Developed, Healthy , Free from Pest an Disease.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Alternanthera	4" x 5"	15 cm to 20 cm	15
2	Amaryllis spp	5" x 6"	10 cm to 20 cm	15
3	Asparagus	7" x 8"	10 cm to 20 cm	22
4	Chlorophytum	7" x 8"	15 cm to 20 cm	22
5	Coleus	5" x 6"	10 cm to 20 cm	15
6	Daisy	5" x 6"	10 cm to 20 cm	15
7	Gerbera	7" x 8"	15 cm to 20 cm	30
8	Pilea	5" x 6"	10 cm to 20 cm	15
9	Porthulaca	5" x 6"	10 cm to 20 cm	22
10	Ribbon grass/Phalaris	7" x 8"	10 cm to 20 cm	30
11	Thunder lily/Zephyranthus	5" x 6"	10 cm to 20 cm	22
12	Zebrina pendula	5" x 6"	10 cm to 20 cm	15
13	wadelia	5" x 6"	10 cm to 20 cm	15
14	Ipomia	5" x 6"	10 cm to 20 cm	15
15	Rhoea	5" x 6"	10 cm to 20 cm	22

9(A) Hybrid Flowering Seasonal seedlings				
Specification:- Fresh Healthy, Free From Pest and Diseases at least 4 to 5 leaves				
S. No.	Name Of Plant	Tray	Height Of Plant	Approved rates
1	Antirrhinum	104 nos	5 cm and above	468
2	Aster	104 nos	5 cm and above	416
3	Impatiens balsamina	104 nos	5 cm and above	572
4	Begonia	104 nos	5 cm and above	572
5	Calendula	104 nos	5 cm and above	468
6	Carnation	104 nos	5 cm and above	832
7	Celosia cristata	104 nos	5 cm and above	364
8	Celosia plumosa	104 nos	5 cm and above	364
9	Chrysanthemum	104 nos	5 cm and above	572
10	Coleus	104 nos	5 cm and above	468
11	Cosmos	104 nos	5 cm and above	416
12	DahliaSeasonal	104 nos	5 cm and above	572
13	Dianthus	104 nos	5 cm and above	624
14	Gaillardia	104 nos	5 cm and above	572
15	Gazania	104 nos	5 cm and above	624
16	Geranium	104 nos	5 cm and above	572
17	Gerbera	104 nos	5 cm and above	1040
18	Globe amaranths/Gomphrena globosa	104 nos	5 cm and above	3328
19	Impatiens	104 nos	5 cm and above	416
20	Marigold African	104 nos	5 cm and above	572

21	Marigold French	104 nos	5 cm and above	468
22	Pansy	104 nos	5 cm and above	572
23	Petunia	104 nos	5 cm and above	442
24	Phlox	104 nos	5 cm and above	468
25	Phlox star	104 nos	5 cm and above	572
26	Salvia	104 nos	5 cm and above	468
27	Silver dust	104 nos	5 cm and above	832
28	Sunflower	104 nos	5 cm and above	520
29	Sweet Willium	104 nos	5 cm and above	624
30	Torenia	104 nos	5 cm and above	572
31	Verbena	104 nos	5 cm and above	624
32	Vinca	104 nos	5 cm and above	468
33	Zinnia giant	104 nos	5 cm and above	676
34	ZinniaButton	104 nos	5 cm and above	780
35	Vegitable Seedling in Tray	104 nos	5 cm and above	312
36	Net Pot Material for vertical wall	Per No.	5 cm and above	1144

9 (B) Hybrid Flowering Seasonal in bags

Specification:- Healthy , Fresh, well Branch an well Developed with Fresh and Free from Pest and Diseses and in half Bloom Stage.

S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Antirrhinum	6" x 7"	10 cm and above	18
2	Aster	6" x 7"	10 cm and above	15
3	Impatiens balsamina	6" x 7"	10 cm and above	22
4	Begonia	6" x 7"	10 cm and above	22

5	Calendula	6" x 7"	10 cm and above	15
6	Celosia cristata	6" x 7"	10 cm and above	18
7	Celosia plumosa	6" x 7"	10 cm and above	18
8	Chrysanthemum	6" x 7"	10 cm and above	22
9	Cosmos	6" x 7"	10 cm and above	18
10	Dahlia Seasonal	6" x 7"	10 cm and above	45
11	Daisy	6" x 7"	10 cm and above	22
12	Dianthus	6" x 7"	10 cm and above	22
13	Gaillardia	6" x 7"	10 cm and above	22
14	Gazania	6" x 7"	10 cm and above	22
15	Geranium	6" x 7"	10 cm and above	30
16	Gerbera	6" x 7"	10 cm and above	45
17	Globe amaranths/Gomphrena globosa	6" x 7"	10 cm and above	18
18	Hypoestes	6" x 7"	10 cm and above	22
19	Kochia	6" x 7"	10 cm and above	22
20	Marigold African	6" x 7"	10 cm and above	22
21	Marigold French	6" x 7"	10 cm and above	22
22	Pansy	6" x 7"	10 cm and above	22
23	Petunia	6" x 7"	10 cm and above	22
24	Phlox	6" x 7"	10 cm and above	22
25	Phlox star	6" x 7"	10 cm and above	22
26	Salvia	6" x 7"	10 cm and above	22
27	Silver dust	6" x 7"	10 cm and above	22

28	Sunflower	6" x 7"	10 cm and above	22
29	Sweet Willium	6" x 7"	10 cm and above	22
30	Torenia	6" x 7"	10 cm and above	18
31	Verbena	6" x 7"	10 cm and above	22
32	Vinca	6" x 7"	10 cm and above	22
33	Zinnia giant	6" x 7"	10 cm and above	30
34	ZinniaButton	6" x 7"	10 cm and above	30

10 (a) Indoor Plants in pots

Specification:- Plant should be well Developed, Healthy conition, Plant should be Pest and disese Free.

S. No.	Name Of Plant	Pot Size	Height Of Plant	Approved rates
1	Aglaonema spp	6" Pots	20 cm to 30 cm	225
2	Anthurium	6" Pots	20 cm to 30 cm	375
3	Aglaonema anjuman	6" Pots	20 cm to 30 cm	525
4	Aglonema lipstic	6" Pots	20 cm to 30 cm	375
5	Aralia	6" Pots	20 cm to 30 cm	75
6	Chlorophytum	6" Pots	20 cm to 30 cm	60
7	Chlorophytum comosum	6" Pots	20 cm to 30 cm	60
8	Costus	6" Pots	30 cm to 45 cm	90
9	Croton Petra	6" Pots	20 cm to 30 cm	90
10	Cryptanthus	6" Pots	20 cm to 30 cm	60
11	DracaenaGolden	6" Pots	20 cm to 30 cm	120
12	DracaenaGreen	6" Pots	20 cm to 30 cm	90

13	Dracaenared ruby	6" Pots	20 cm to 30 cm	90
14	Eranthemum	6" Pots	30 cm TO 45 cm	60
15	Ixora	6" Pots	20 cm to 30 cm	150
16	Jade Plant	6" Pots	20 cm to 30 cm	60
17	Kalanchoe	6" Pots	30 cm TO 45 cm	60
18	Money Plant Golden	6" Pots	20 cm to 30 cm	55
19	Money Plant green	6" Pots	20 cm to 30 cm	55
20	Money Plant Marble	5" Pots	20 cm to 30 cm	68
21	Monstera	5" Pots	20 cm to 30 cm	90
22	Oxycardium golden	5" Pots	20 cm to 30 cm	68
23	Oxycardium green	5" Pots	20 cm to 30 cm	68
24	Poinsettia	6" Pots	20 cm to 30 cm	225
25	Sansevieria	6" Pots	20 cm to 30 cm	225
26	Spathiphyllum	6" Pots	20 cm to 30 cm	90
27	Syngonium pink	6" Pots	20 cm to 30 cm	68
28	Tradescantia	6" Pots	10 cm to 20 cm	45
29	Zamia	6" Pots	10 cm to 20 cm	300
30	Philedendron gold	6"pots	10 cm to 20 cm	75

10 (b) Indoor Plants in pots

Specification:- Plant should be well Developed, Healthy conition, Plant should be Pest and disese Free.

S. No.	Name Of Plant	Pot Size	Height Of Plant	Approved rates
1	Aglaonema spp	8" Pots	30 cm to 45 cm	525

2	Aralia	8" Pots	30 cm to 45 cm	300
3	Croton Petra	8" Pots	30 cm to 45 cm	225
4	Dracaena Golden	8" Pots	30 cm to 45 cm	375
5	Dracaena Green	8" Pots	30 cm to 45 cm	300
6	Dracaena red ruby	8" Pots	30 cm to 45 cm	300
7	Money Plant Golden	10" mosstick pots	60 cm to 90 cm	675
8	Money Plant green	10" mosstick pots	60 cm to 90 cm	675
9	Money Plant Marble	10" mosstick pots	60 cm to 90 cm	675
10	Monstera	10" mosstick pots	60 cm to 90 cm	675
11	Oxycardium golden	10" mosstick pots	60 cm to 90 cm	675
12	Oxycardium green	10" mosstick pots	60 cm to 90 cm	675
13	Poinsettia	8" Pots	30 cm to 45 cm	525
14	Sansevieria	8" Pots	30 cm to 60 cm	525
15	Zamia	8" Pots	20 cm to 30 cm	525

11 (a)	Palms			
Specification:- Palm should be well Developed, Good Branching ,healthy Condition, appropriate Size in Polybag, undamaged.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Supari	10" x 12"	3 to 4 ft.	225
2	Areca Palm	10" x 12"	3 to 4 ft.	150
3	Royal palm	10" x 12"	3 to 4 ft.	225
4	Fox tail palm	10" x 12"	3 to 4 ft.	225
5	Raphis palm	10" x 12"	2 to 3 ft.	375

11 (b) Palms				
Specification:- Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved Rates
1	Supari	13" x 13"	4 to 6 ft.	525
2	Bismarkia	13" x 13"	4 to 5 ft.	2250
3	Coconut	13" x 13"	4 to 5 ft.	450
4	Sealing Wax Palm	15" x 16"	5 to 6 ft.	450
5	Areca Palm	13" x 13"	4 to 5 ft.	300
6	Fox tail palm	13" x 13"	4 to 6 ft.	375
7	Raphis palm	13" x 13"	3 to 4 ft.	600

11 (c) Palms				
Specification:- Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Supari	15" x 16"	5 to 7 ft.	1275
2	Bismarkia	15" x 16"	6 to 8 ft.	3750
3	Areca Palm	15" x 16"	5 to 7 ft.	530
4	Fox tail palm	15" x 16"	6 to 7 ft.	675
5	Raphis palm	15" x 16"	4 to 5 ft.	1125
11 (d) Palms				
Specification:- Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Areca Palm	18" x 18"	7 to 8 ft	1350
2	Royal palm	18" x 18"	7 to 8 ft	900
3	Fox tail palm	18" x 18"	7 to 10 ft	1125
4	Raphis palm	18" x 18"	5 to 7 ft	1350
5	Golden wichimeri	18" x 18"	5 ft to 6 ft	3750
6	Green wichimeri	18" x 18"	5 ft to 6 ft	3000

11 (e)		Palms		
Specification:- Palm should be well Developed,Good Branching ,healthy Condition,appropriate Size in Polybag,undamaged.				
S. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Areca Palm	21" X 21"	9 ft and above	2250
2	Royal palm	21" X 21"	9 ft and above	2250
3	Fox tail palm	21" X 21"	9 ft and above	2250
12		Aromatic & Medicinal Plants		
Specification:- Healthy ,Fresh, Free from Pest and Diseses				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	Tulas	7" x 8"	15 cm to 30 cm	15
2	Alovera (Korphad)	7" x 8"	15 cm to 30 cm	22
3	Mint (Pudina)	7" x 8"	15 cm to 30 cm	15
4	Stevia	7" x 8"	15 cm to 30 cm	30
5	Lemon Grass (Gavti chaha)	7" x 8"	15 cm to 30 cm	30
6	Curry Leaves (Kadipatta)	7" x 8"	15 cm to 30 cm	30
9	Ashwagandha	7" x 8"	15 cm to 30 cm	38
10	Akkalkara	7" x 8"	15 cm to 30 cm	30
11	Betal Vine	7" x 8"	15 cm to 30 cm	38
12	Gulvel (Giloe)	7" x 8"	15 cm to 30 cm	38
13 (a)		Roses		
Specification:- Roses are Healthy,well grown ,Fresh,free from Pest and Diseses,No any Damage at site.				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	HT (Hybrid Tea)	7" x 8"	20 cm to 30 cm	60
2	Floribunda diff.Variety	7" x 8"	20 cm to 30 cm	45

3	Polyantha diff .Variety	7" x 8"	20 cm to 30 cm	45
4	Minature diff.Variety	7" x 8"	20 cm to 30 cm	45
5	Climbing diff.Variety	7" x 8"	20 cm to 30 cm	150

13 (b)	Roses			
Specification:- Roses are Healthy,well grown ,Fresh,free from Pest and Diseses,No any Damage at site.				
Sr. No.	Name Of Plant	Bag Size	Height Of Plant	Approved rates
1	HT (hybrid tea) diff. var.	10" x 12"	30 cm to 45 cm	150
2	Floribunda diff. var.	10" x 12"	30 cm to 45 cm	225
3	Polyantha diff. var.	10" x 12"	30 cm to 45 cm	225
4	Miniature diff. var.	10" x 12"	30 cm to 45 cm	225
5	Climbing diff. var.	10" x 12"	30 cm to 45 cm	300

14	Lawn Grasses		
	Specification :- Grass with some soil attach ,Fresh,Free form weed.Free from Pest and diseses		
Sr. No.	Lawn Grasses	Unit	Approved rates/Unit Kg/Sq.Mtrs
	American blue grass, Selection No.1 / Barmuda & Paspallum Grass.(1 kg Loose lawn covers 2 sq.ft area i.e 6 kg for 1 Sq.Mtr Area .)	Per Kg / Sq Mt	10 / Kg 60/ Sq.Mtrs
	Specification:- Mexican or Korian Grass Turf , Selection No.1 with garden soil 50 to 60 mm thickness. ,At time of handling over lawn/turf should be levelled dressed grass at site fresh and free from weeds ,pest & diseases.		
	Mexican or Korian Grass Turf , Selection No.1 American blue grass, / Barmuda etc ready to fix lawn turf in Slabs/ Rolls of required variety as directed Rates Including breakage,& Transportation Damage losses	Per Sq.Mtr	215

6. Material Consumption Statement

A) Filling of soil and manure for 1 sq. mtr area

(3:1)

Depth	Soil/ Silt (Cumtr)	Manure (Cumtr)
30 cm	0.261	0.081
25 cm	0.218	0.068
20 cm	0.174	0.054
15 Cm	0.131	0.041
10 cm	0.087	0.027
5 cm	0.044	0.014

B) For pit

(3:1)

Pit Size (Cumtr)	Soil/ Silt (Cumtr)	Manure (Cumtr)
0.30 x 0.30 x 0.30 m	0.023	0.007
0.45 x 0.45 x 0.45 m	0.079	0.023
0.60 x 0.60 x 0.60 m	0.141	0.044
1.0 x 1.0 x 1.0 m	0.653	0.202

C) Plants required in 1 sq. meter area

Item	Spacing (cm)	Quantity (Nos)
Edging border /	15.0 x 15.0	44 Nos
Clipped Hedge /	20.0 x 20.0	25 Nos
Shrubbery /	25.0 x 25.0	16 Nos
Canna bed / Flower bed etc.	30.0 x 30.0	9 Nos
	60.0 x 60.0	4 Nos

7.

LEAD STATEMENT

STATEMENT - C (With Machine Loading)

(FOR YEAR 2022-2023) Maharashtra

Cost of Diesel (As on 01-04-2022) 102.88 Per Litre

Cost of mobile Oil (As on 01-04-2022) 322 Per Litre

Hire charges of Loader 646 Per trip (Rate of Loader Rs.968/- per Hr. with 85% bucket effi., Cycle time 6 minutes)

Carrage of material over distance exceeding 0.50 km. including loading and unloading.

Lead in Km	Av.Speed Km/Hrs	Factor	No. of Trips	Km done	Qty of Diesel= 4Km/Ltr	Cost of Diesel	Qty of mobile oil in Ltr	Cost of mobile oil @322/Ltr	Hire Charges of Truck @ Rs. 2500 per Day	Total cost	add 10% Overhead Charges	Gross Total of 11+12	Cost per Trip = (Col 13/4)	Cost of loader per trip of tipper
L	S	F	$N=8/((F*(L/S)+1)$	$(2*N*L)+6$										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0.50	15.00	2.00	7.50	13.50	3.38	347.73	0.076	24.49	2500.00	2872.22	287.22	3159.44	421.26	646.00
1.00	16.00	2.00	7.11	20.22	5.06	520.57	0.114	36.66	2500.00	3057.23	305.72	3362.95	472.91	646.00
1.50	16.50	2.00	6.77	26.31	6.58	676.95	0.148	47.67	2500.00	3224.62	322.46	3547.08	524.00	646.00
2.00	17.00	2.00	6.48	31.90	7.98	820.98	0.180	57.82	2500.00	3378.80	337.88	3716.68	573.90	646.00
2.50	17.25	2.00	6.20	37.01	9.25	951.64	0.208	67.02	2500.00	3518.66	351.87	3870.53	624.05	646.00
3.00	17.50	2.00	5.96	41.74	10.44	1074.07	0.235	75.64	2500.00	3649.71	364.97	4014.68	673.89	646.00
3.50	17.75	2.00	5.74	46.16	11.54	1187.24	0.260	83.61	2500.00	3770.85	377.09	4147.94	722.97	646.00
4.00	18.00	2.00	5.54	50.31	12.58	1294.23	0.283	91.14	2500.00	3885.37	388.54	4273.91	771.68	646.00
4.50	18.25	2.00	5.36	54.22	13.56	1395.05	0.305	98.24	2500.00	3993.29	399.33	4392.62	819.86	646.00
5.00	18.50	2.00	5.19	57.93	14.48	1489.70	0.326	104.91	2500.00	4094.61	409.46	4504.07	867.34	646.00
5.50	18.50	2.00	5.02	61.19	15.30	1574.06	0.344	110.85	2500.00	4184.91	418.49	4603.40	917.57	646.00
6.00	18.75	2.00	4.88	64.54	16.13	1659.45	0.363	116.86	2500.00	4276.31	427.63	4703.94	964.31	646.00
6.50	18.85	2.00	4.73	67.55	16.89	1737.64	0.380	122.37	2500.00	4360.01	436.00	4796.01	1012.95	646.00
7.00	19.00	2.00	4.61	70.48	17.62	1812.75	0.396	127.66	2500.00	4440.41	444.04	4884.45	1060.44	646.00
7.50	19.15	2.00	4.49	73.29	18.32	1884.76	0.412	132.73	2500.00	4517.49	451.75	4969.24	1107.70	646.00
8.00	19.30	2.00	4.37	75.98	19.00	1954.72	0.428	137.66	2500.00	4592.38	459.24	5051.62	1154.94	646.00
8.50	19.45	2.00	4.27	78.57	19.64	2020.56	0.442	142.29	2500.00	4662.85	466.29	5129.14	1201.52	646.00
9.00	19.60	2.00	4.17	81.06	20.27	2085.38	0.456	146.86	2500.00	4732.24	473.22	5205.46	1248.25	646.00
9.50	19.80	2.00	4.08	83.57	20.89	2149.16	0.470	151.35	2500.00	4800.51	480.05	5280.56	1293.47	646.00
10.00	20.00	2.00	4.00	86.00	21.50	2211.92	0.484	155.77	2500.00	4867.69	486.77	5354.46	1338.62	646.00
11.00	21.00	2.00	3.91	91.95	22.99	2365.21	0.517	166.56	2500.00	5031.77	503.18	5534.95	1416.68	646.00
12.00	22.00	2.00	3.83	97.83	24.46	2516.44	0.550	177.21	2500.00	5193.65	519.37	5713.02	1493.18	646.00
13.00	23.00	2.00	3.76	103.63	25.91	2665.62	0.583	187.72	2500.00	5353.34	535.33	5888.67	1568.18	646.00

Lead in Km	Av.Speed Km/Hrs	Factor	No. of Trips	Km done	Qty of Diesel= 4Km/Ltr	Cost of Diesel	Qty of mobile oil in Ltr	Cost of mobile oil @322/Ltr	Hire Charges of Truck @ Rs. 2500 per Day	Total cost	add 10% Overhead Charges	Gross Total of 11+12	Cost per Trip = (Col 13/4)	Cost of loader per trip of tipper
L	S	F	$N=8/((F*(L/S)+1)$	$(2*N*L)+6$										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14.00	24.00	2.00	3.69	109.38	27.35	2813.77	0.615	198.15	2500.00	5511.92	551.19	6063.11	1642.09	646.00
15.00	25.00	2.00	3.64	115.09	28.77	2959.86	0.647	208.44	2500.00	5668.30	566.83	6235.13	1714.66	646.00
20.00	25.00	2.00	3.08	129.08	32.27	3319.94	0.726	233.80	2500.00	6053.74	605.37	6659.11	2164.21	646.00
25.00	25.00	2.00	2.67	139.33	34.83	3583.31	0.784	252.34	2500.00	6335.65	633.57	6969.22	2613.46	646.00
30.00	30.00	2.00	2.67	166.00	41.50	4269.52	0.934	300.67	2500.00	7070.19	707.02	7777.21	2916.45	646.00
35.00	30.00	2.00	2.40	174.00	43.50	4475.28	0.979	315.16	2500.00	7290.44	729.04	8019.48	3341.45	646.00
40.00	30.00	2.00	2.18	180.55	45.14	4644.00	1.016	327.04	2500.00	7471.04	747.10	8218.14	3766.65	646.00
45.00	30.00	2.00	2.00	186.00	46.50	4783.92	1.046	336.89	2500.00	7620.81	762.08	8382.89	4191.45	646.00
50.00	30.00	1.75	2.04	210.26	52.56	5407.37	1.183	380.80	2500.00	8288.17	828.82	9116.99	4463.53	646.00
60.00	35.00	1.75	2.00	246.00	61.50	6327.12	1.384	445.57	2500.00	9272.69	927.27	10199.96	5099.98	646.00
70.00	35.00	1.75	1.78	254.89	63.72	6555.51	1.434	461.65	2500.00	9517.16	951.72	10468.88	5888.75	646.00
80.00	35.00	1.75	1.60	262.00	65.50	6738.64	1.474	474.55	2500.00	9713.19	971.32	10684.51	6677.82	646.00
90.00	35.00	1.75	1.45	267.82	66.95	6887.82	1.506	485.05	2500.00	9872.87	987.29	10860.16	7466.36	646.00
100.00	35.00	1.75	1.33	272.67	68.17	7013.33	1.534	493.89	2500.00	10007.22	1000.72	11007.94	8255.96	646.00
125.00	40.00	1.50	1.41	357.65	89.41	9198.50	2.012	647.78	2500.00	12346.28	1234.63	13580.91	9655.18	646.00
150.00	40.00	1.50	1.21	368.26	92.07	9472.16	2.072	667.05	2500.00	12639.21	1263.92	13903.13	11513.53	646.00
175.00	40.00	1.25	1.24	438.85	109.71	11286.96	2.468	794.85	2500.00	14581.81	1458.18	16039.99	12969.84	646.00
200.00	40.00	1.25	1.10	447.38	111.84	11506.10	2.516	810.28	2500.00	14816.38	1481.64	16298.02	14770.08	646.00
250.00	40.00	1.25	0.91	459.90	114.98	11829.14	2.587	833.03	2500.00	15162.17	1516.22	16678.39	18372.29	646.00
300.00	40.00	1.25	0.77	468.65	117.16	12053.42	2.636	848.82	2500.00	15402.24	1540.22	16942.46	21972.25	646.00
350.00	40.00	1.25	0.67	475.11	118.78	12220.09	2.673	860.56	2500.00	15580.65	1558.07	17138.72	25574.18	646.00
400.00	40.00	1.25	0.59	480.07	120.02	12347.66	2.700	869.54	2500.00	15717.20	1571.72	17288.92	29175.05	646.00
500.00	40.00	1.25	0.48	487.20	121.80	12530.78	2.741	882.44	2500.00	15913.22	1591.32	17504.54	36376.62	646.00
600.00	40.00	1.25	0.41	492.08	123.02	12656.30	2.768	891.28	2500.00	16047.58	1604.76	17652.34	43579.21	646.00
700.00	40.00	1.25	0.35	495.62	123.90	12746.83	2.788	897.66	2500.00	16144.49	1614.45	17758.94	50779.47	646.00
800.00	40.00	1.25	0.31	498.31	124.58	12816.79	2.803	902.58	2500.00	16219.37	1621.94	17841.31	57984.26	646.00
900.00	40.00	1.25	0.27	500.42	125.11	12871.32	2.815	906.42	2500.00	16277.74	1627.77	17905.51	65187.25	646.00
1000.00	40.00	1.25	0.25	502.12	125.53	12914.53	2.824	909.46	2500.00	16323.99	1632.40	17956.39	72386.70	646.00

STATEMENT - C 1 (With Machine Loading)

(FOR YEAR 2022-2023) Maharashtra

Cost of Diesel (As on 01-04-2022) 102.88 Per Litre

Cost of mobile Oil (As on 01-04-2022) 322 Per Litre

Hire charges of Loader 646 Per trip (Rate of Loader Rs.968/- per Hr. with 85% bucket effi., Cycle time 6 minutes)

Carrage of material over distance exceeding 0.50 km. including loading and unloading.

Lead in km	Total Cost Per Trip LeadCharges (Including lodar)	Fuel Component	Murrum, Building Rubish, Earth		Manure Sludge		Excavated Rock soling stone		Sand, Stone below 40 mm, Normal Brick sideraggre. Timber		Stone aggregate 40mm Normal size and above	
			Unit Cum		Unit Cum		Unit Cum		Unit Cum		Unit Cum	
			L.F.	Fuel Comp.	L.F.	Fuel Comp.	L.F.	Fuel Comp.	L.F.	Fuel Comp.	L.F.	Fuel Comp.
			6.00		5.45		4.70		5.75		6.00	
0.50	1067.26	54.59	177.88	9.10	195.83	10.02	227.08	11.61	185.61	9.49	177.88	9.10
1.00	1118.91	86.21	186.49	14.37	205.30	15.82	238.07	18.34	194.59	14.99	186.49	14.37
1.50	1170.00	117.74	195.00	19.62	214.68	21.60	248.94	25.05	203.48	20.48	195.00	19.62
2.00	1219.90	149.18	203.32	24.86	223.83	27.37	259.55	31.74	212.16	25.94	203.32	24.86
2.50	1270.05	180.73	211.68	30.12	233.04	33.16	270.22	38.45	220.88	31.43	211.68	30.12
3.00	1319.89	212.19	219.98	35.37	242.18	38.93	280.83	45.15	229.55	36.90	219.98	35.37
3.50	1368.97	243.75	228.16	40.63	251.19	44.72	291.27	51.86	238.08	42.39	228.16	40.63
4.00	1417.68	275.07	236.28	45.85	260.12	50.47	301.63	58.53	246.55	47.84	236.28	45.85
4.50	1465.86	306.46	244.31	51.08	268.97	56.23	311.89	65.20	254.93	53.30	244.31	51.08
5.00	1513.34	337.97	252.22	56.33	277.68	62.01	321.99	71.91	263.19	58.78	252.22	56.33
5.50	1563.57	369.45	260.60	61.58	286.89	67.79	332.67	78.61	271.93	64.25	260.60	61.58
6.00	1610.31	400.65	268.39	66.78	295.47	73.51	342.62	85.24	280.05	69.68	268.39	66.78
6.50	1658.95	432.05	276.49	72.01	304.39	79.28	352.97	91.93	288.51	75.14	276.49	72.01
7.00	1706.44	463.53	284.41	77.26	313.11	85.05	363.07	98.62	296.77	80.61	284.41	77.26
7.50	1753.70	494.80	292.28	82.47	321.78	90.79	373.13	105.28	304.99	86.05	292.28	82.47
8.00	1800.94	526.13	300.16	87.69	330.45	96.54	383.18	111.94	313.21	91.50	300.16	87.69
8.50	1847.52	557.46	307.92	92.91	338.99	102.29	393.09	118.61	321.31	96.95	307.92	92.91
9.00	1894.25	588.84	315.71	98.14	347.57	108.04	403.03	125.29	329.43	102.41	315.71	98.14
9.50	1939.47	619.94	323.25	103.32	355.87	113.75	412.65	131.90	337.30	107.82	323.25	103.32
10.00	1984.62	651.11	330.77	108.52	364.15	119.47	422.26	138.53	345.15	113.24	330.77	108.52
11.00	2062.68	712.88	343.78	118.81	378.47	130.80	438.87	151.68	358.73	123.98	343.78	118.81
12.00	2139.18	774.27	356.53	129.05	392.51	142.07	455.14	164.74	372.03	134.66	356.53	129.05

986

Lead inkm	Total Cost PerTrip Lead Charges (Including lodar)	Fuel Component	Murrum, Building Rubish, Earth		Manure Sludge		Excavated Rocksoling stone		Sand, Stone below 40 mm, Normal Brick sideraggre. Timber		Stone aggregate 40mm Normal size and above	
			Unit Cum	Fuel Comp.	Unit Cum	Fuel Comp.	Unit Cum	Fuel Comp.	Unit Cum	Fuel Comp.	Unit Cum	Fuel Comp.
			L.F.		L.F.		L.F.		L.F.		L.F.	
			6.00		5.45		4.70		5.75		6.00	
13.00	2214.18	835.72	369.03	139.29	406.27	153.34	471.10	177.81	385.07	145.34	369.03	139.29
14.00	2288.09	897.21	381.35	149.54	419.83	164.63	486.83	190.90	397.93	156.04	381.35	149.54
15.00	2360.66	958.45	393.44	159.74	433.15	175.86	502.27	203.93	410.55	166.69	393.44	159.74
20.00	2810.21	1270.37	468.37	211.73	515.63	233.10	597.92	270.29	488.73	220.93	468.37	211.73
25.00	3259.46	1582.50	543.24	263.75	598.07	290.37	693.50	336.70	566.86	275.22	543.24	263.75
30.00	3562.45	1885.12	593.74	314.19	653.66	345.89	757.97	401.09	619.56	327.85	593.74	314.19
35.00	3987.45	2195.62	664.58	365.94	731.64	402.87	848.39	467.15	693.47	381.85	664.58	365.94
40.00	4412.65	2506.10	735.44	417.68	809.66	459.83	938.86	533.21	767.42	435.84	735.44	417.68
45.00	4837.45	2816.45	806.24	469.41	887.61	516.78	1029.24	599.24	841.30	489.82	806.24	469.41
50.00	5109.53	3117.51	851.59	519.59	937.53	572.02	1087.13	663.30	888.61	542.18	851.59	519.59
60.00	5745.98	3724.98	957.66	620.83	1054.31	683.48	1222.55	792.55	999.30	647.82	957.66	620.83
70.00	6534.75	4341.89	1089.13	723.65	1199.04	796.68	1390.37	923.81	1136.48	755.11	1089.13	723.65
80.00	7323.82	4959.07	1220.64	826.51	1343.82	909.92	1558.26	1055.12	1273.71	862.45	1220.64	826.51
90.00	8112.36	5576.50	1352.06	929.42	1488.51	1023.21	1726.03	1186.49	1410.85	969.83	1352.06	929.42
100.00	8901.96	6193.50	1483.66	1032.25	1633.39	1136.42	1894.03	1317.77	1548.17	1077.13	1483.66	1032.25
125.00	10301.18	7700.39	1716.86	1283.40	1890.12	1412.92	2191.74	1638.38	1791.51	1339.20	1716.86	1283.40
150.00	12159.53	9235.48	2026.59	1539.25	2231.11	1694.58	2587.13	1965.00	2114.70	1606.17	2026.59	1539.25
175.00	13615.84	10746.07	2269.31	1791.01	2498.32	1971.76	2896.99	2286.40	2367.97	1868.88	2269.31	1791.01
200.00	15416.08	12278.94	2569.35	2046.49	2828.64	2253.02	3280.02	2612.54	2681.06	2135.47	2569.35	2046.49
250.00	19018.29	15341.87	3169.72	2556.98	3489.59	2815.02	4046.44	3264.23	3307.53	2668.15	3169.72	2556.98
300.00	22618.25	18406.61	3769.71	3067.77	4150.14	3377.36	4812.39	3916.30	3933.61	3201.15	3769.71	3067.77
350.00	26220.18	21470.26	4370.03	3578.38	4811.04	3939.50	5578.76	4568.14	4560.03	3733.96	4370.03	3578.38
400.00	29821.05	24535.48	4970.18	4089.25	5471.75	4501.92	6344.90	5220.31	5186.27	4267.04	4970.18	4089.25
500.00	37022.62	30662.94	6170.44	5110.49	6793.14	5626.23	7877.15	6524.03	6438.72	5332.69	6170.44	5110.49

8. PIT SIZE/ BAG SIZE/ HEIGHT TABLE FOR TREE VARIETY

Sr. No.	Height of Plant	Pit Size (Meter)
1	Up to One meter	0.30 x 0.30 x 0.30
2	One meter and Two Meter	0.60 x 0.60 x 0.60
3	Two meter and Four Meter	1 x 1 x 1

Sr. No.	Bag Size (Inches)	Specification For Tree Varieties
1	7" x 8" / 9" x 11"	Minimum girth 3 cm, 3.0 to 4.0 ft height minimum 4 to 5 branches with maximum number of leaves.
2	13" x 13" / 15" x 16"	Minimum girth 5 to 7.5 cm, 6.0 ft height minimum 5 to 6 branches with maximum number of leaves, clear trunk.
3	18" x 18"	Minimum girth 10 to 12.5 cm, 7.5 ft height clear trunk well developed canopy.
4	21" x 21"	Minimum girth 12.5 to 15 cm, height 9.0 ft and above clear trunk well developed canopy.

Sample Estimate for Preparation of Lawn in 100 Sq.mtr area (Depth 30.00 cm)

<u>Sr.No.</u>	<u>Qty.</u>	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 30 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.36a)	200.97	M2	20,097.00
2	100	Supplying on site well decomposed Farmyard Manure for excavation area of depth of 30 cms. (Consolidated thickness). (As per P&G DSR 2022-23 Items of garden work,Sr No.36b)	78.97	M2	7,897.00
3	100	Providing on site required variety of lawn (free from weeds /disease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c. (As per P&G DSR 2022-23 Items of garden work,Sr No.46)	60	M2	6,000.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.3)	71.7	M2	7,170.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 30cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.13)	27.02	M2	2,702.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species, lawn grass as directed etc. complete for required depth 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work,Sr No.23)	77.76	M2	7,776.00
7	100	Maintainance of Newly Developed lawn Area. For First 30 days Only (Paspallum/ selection)(As per P&G DSR 2022-23 Items of garden work,Sr No.28)	35.38	M2	3,538.00
Total...(A)					55,180.00
(+) Add 5% Corporation charges on (A)					2,759.00
Grand Total					57,939.00
Per Sqmt					579.39
Say Rs.					579.00

Sample Estimate for Preparation of Lawn in 100 Sq. mtr area (Depth 20.00 cm)

<u>Sr.No.</u>	<u>Qty.</u>	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	133.98	M2	13,398.00
2	100	Supplying on site well decomposed Farmyard Manure for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38b)	52.65	M2	5,265.00
3	100	Providing on site required variety of lawn (free from weeds /disease etc.) Cynadon/ paspalum/ selection for 1 sqm. area dibbling distance 5 cms. apart c/c. .(As per P&G DSR Mumbai Region 2022-23 Items of garden work,Sr No.46)	60	M2	6,000.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.5)	47.80	M2	4,780.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 20cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.15)	18.01	M2	1,801.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete for required depth 20 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work. Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed lawn Area. For First 30 days Only (Paspalum/ selection)(As per P&G DSR 2022-23 Items of garden work,Sr No.28)	35.38	M2	3,538.00
Total...(A)					42,558.00
(+) Add 5% Corporation charges on (A)					2,127.90
Grand Total					44,685.90
Per sqmt					446.85
Say Rs.					447.00

Sample Estimate for Preparation of Instant Lawn in 100 Sq. mtr area (Depth 20.00 cm)

<u>Sr.No.</u>	<u>Qty.</u>	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38a)	133.98	M2	13,398.00
2	100	Supplying on site well decomposed Farm Yard Manure for excavation area of depth of 20 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.38b)	52.65	M2	5,265.00
3	100	Providing on site well established (free from weeds /disease etc.) ready to fix lawn turf in slabs/ rolls of required variety as directed. (As per P&G DSR 2022-23 Items of garden work,Sr No.47)	215.00	M2	21,500.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 20 cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.5)	47.80	M2	4,780.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 20cms. (As per P&G DSR 2022-23 Items of garden work,Sr No.15)	18.01	M2	1,801.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species; lawn grass as directed etc. complete for required depth 20 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour) (As per P&G DSR 2022-23 Items of garden work,Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed lawn (Instant Lawn) Area. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.29)	32.65	M2	3,265.00
Total...(A)					57,785.00
(+) Add 5% Corporation charges on (A)					2889.25
Grand Total					60,674.25
Per sqmt					606.74
Say Rs.					607.00

Sample Estimate for Preparation of Shrubbery in 100 Sq.mtr area (Depth 30.00 cm)

<u>Sr.No.</u>	<u>Qty.</u>	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total Amount</u>
1	100	Supplying on site fresh Garden soil (free from stones rubbish like dried grass roots, other such materials) for excavation area of depth of 30 cms. (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.36a)	200.97	M2	20,097.00
2	100	Supplying on site well decomposed Farmacyard Manure for excavation area of depth of 30 cms. (consolidated thickness) (As per P&G DSR 2022-23 Items of garden work,Sr No.36b)	78.97	M2	7,897.00
3	900	Providing on site required variety of Shrubs (free from weeds /disease etc.) 30 cms. apart c/c.Name:-Murraya(Kamini);Bag Size 7" x 8",(plants list) 1(a) serial no 15.	25.00	No	22,500.00
4	100	Excavation for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed in earth, soil of all types, soft murum, including removing the excavated material up to a distance of 50 mtrs. for a depth of 30 cms.(As per P&G DSR 2022-23 Items of garden work,Sr No.3)	71.70	M2	7170.00
5	100	Filling fresh garden soil / silt & manure in excavated area of depth 30cms. (1/10 of unskilled labour) (As per P&G DSR 2022-23 Items of garden work,Sr No.13)	27.02	M2	2,702.00
6	100	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species, lawn grass as directed etc. complete for required depth 30 cms. for planting lawn/ shrub/ flower bed/ hedges/ edges/ canna bed/ ground cover. (1/10 of semiskilled labour)(As per P&G DSR 2022-23 Items of garden work,Sr No.23)	77.76	M2	7,776.00
7	100	Maintenance of Newly Developed Shrubs Area. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.31)	36.74	M2	3,674.00
Total...(A)					71,816.00
(+ Add 5% Corporation charges on (A)					3590.80
Grand Total					75,406.80
Per sqmt					754.07
Say Rs.					754.00

Sample Estimate for Plantation of Trees (Ht.1-2 mtrs)

<u>Sr.No.</u>	<u>Qty.</u>	<u>Description of item</u>	<u>Rate</u>	<u>Per</u>	<u>Total Amount</u>
1	1	Supplying on site fresh Garden soil (i. e. 3 part soil) (free from stones rubbish like dried grass roots, other such materials) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.44a)	108.57	No	108.57
2	1	Supplying on site well decomposed Farm Yard Manure FYM (i. e. 1 part FYM) for excavated pit size area of 0.60 x 0.60 x 0.60m (consolidated thickness).(As per P&G DSR 2022-23 Items of garden work,Sr No.44b)	42.90	No	42.90
3	1	Providing on site required variety of Tree (free from weeds /disease etc.) 30 cms. apart c/c.Name:- Bahava;Bag Size 13 x13", ht 6-8'(plants list sr no1,item no 5 B)	300.00	No	300.00
4	1	Excavation pit size 0.60 x 0.60 x 0.60m for planting small & medium ornamental plants/ large flowering/ shady trees (plant height 1 to 2 mtr.)/ palm varieties upto height 1 to 2 mtrs. in earth, soil of all types, soft murum, including removing the excavated & unwanted material up to a required distance of 50 mtrs. (As per P&G DSR 2022-23 Items of garden work,Sr No.11)	51.62	No	51.62
5	1	Filling fresh garden soil / silt & manure in excavated pit size area of 0.60 x 0.60 x 0.60m (1/10 of unskilled labour)(As per P&G DSR 2022-23 Items of garden work,Sr No.21)	18.88	No	18.88
6	1	Mixing garden soil/silt & manure thoroughly well, watering previous night. Planting required plant species as directed etc. complete for required pit size 0.60 x 0.60 x 0.60m. (1/10 of semiskilled labour) (As per P&G DSR 2022-23 Items of garden work,Sr No.26)	27.99	No	27.99
7	1	Maintenance of Newly Planted tree varieties having height 1mtr. - 2mtr. For First 30 days Only (As per P&G DSR 2022-23 Items of garden work,Sr No.34)	142.84	No	142.84
Total...(A)					692.80
(+) Add 5% Corporation charges on (A)					34.64
Grand Total					727.44
Say Rs.Per No.					727.00

1

Annexure-IV

Tree Cutting Permission

Annexure-IVA) Details of Non Schedule Tree Cutting Permission and its Orders on Khed Sinnar Project

Sr.No	District	Tahsil	Order No	Date	No of Non Schedule Trees are Cut	No of Trees to be planted	Remark
1	Pune	Khed	1640/2013	21-12-2013	231	462	2 times
		Ambegoan	SR/02/1013	07-01-2014	551	5510	10 times
		Junnar	96/2014	10-01-2014	1273	6365	5 times
2	Ahmednagar	Sangamner	08-10-2013	02-12-2013	2373	23730	10 times
3	Nashik	Sinnar	1327/2013	31-10-2012	1009	3027	3 times
				Total -A	5437	39094	

B) Details of Schedule Tree Cutting Permission and its Orders on Khed Sinnar Project

Sr.No	District	Tahsil	Order No	Date	No of Schedule Trees are Cut	No of Trees to be planted	Remark
1	Pune						
		Ambegoan	1121/2013	26-12-2013	13	39	3 times
		Narayangaon	954/2013	23-12-2013	6	18	3 times
2	Ahmednagar	Sangamner				0	
3	Nashik	Sinnar	1329/2013	01-11-2013	30	90	3 times
				Total -B	49	147	

			Total No of Trees (A+B)			39241	Nos
			Say total No of Avenue tree planataion			39500	Nos

वन परिक्षेत्र अधिकारी, नारायणगाव प्रा. यांचे कार्यालय

विषय :- NHAI PIU-NSK Widening of existing २ lane Carriageway to ४/६ lane divided carriageway configuration Khed-Sinnar (Km ४२/०००- Km १७७/०००) stretch of Pune Nashik Section of NH-५० in the state of Maharashtra -Request for Permission of Cutting Scheduled trees Reg

जा.क. /मुल्यांकन / ११२१ / २०१३-१४

नारायणगाव दिनांक २६/१२/२०१३

प्रति,

प्रकल्प संचालक
भारतीय राष्ट्रीय राजमार्ग प्राधीकरण
सुबोध हाऊस, सर्वे नंबर ९११/२, प्लॉट नंबर -४
मुंबई आग्रा हमरस्ता, नाशिक-४२२००९

संदर्भ : आपलेकडील पत्र क्रमांक NHAI/PIU/NSK/KS/ Tree/२०१३/३२०४ दिनांक १२ नोव्हेंबर २०१३.

उपरोक्त संदर्भिय विषयांन्वये आपणांस कळविण्यात येते की, या वनक्षेत्रांतर्गत येणा-या नारायणगाव, भटकळवाडी, चाळकवाडी, कांदळी व आळे या पुणे नाशिक रा. म. क्रं ५० वरील कीमी ४२/००० ते १७७/००० या रस्त्याच्या दोन्ही बाजूने येणारी झाडे तोडण्या संदर्भात परवानगी मिळणे कामी या कार्यालयाकडे अर्ज प्राप्त झालेला असून सदर अर्जात नमुद केल्या प्रमाणे सोबत जोडलेल्या यादी-प्रमाणे चिच-०८, आंबा -०३ व जांभूळ -०२ प्रजातींचे असे एकूण १३ झाडांस तोडण्यास परवानगी देण्यात येत आहे. तसेच यादीतील इतर प्रजातींची झाडे ही बिगर अनुसुची मध्ये येत असल्याने सदर झाडे तोडण्याची परवानगी या कार्यालयास देता येत नाही. तरी आपण सदर झाडांच्या तोडीबाबत मा. तहसिलदार सो जुन्नर यांचे कडे रितसर अर्ज करून त्यांचेकडून सदर झाडे तोडण्याची परवानगी प्राप्त करून घ्यावी.


एस.बी.मुलधुल
वनपरिक्षेत्र अधिकारी
नारायणगाव

सोबत: वरील प्रमाणे यादी

प्रत: मा. उप वनसंरक्षक जुन्नर वनविभाग जुन्नर यांना माहितीस्तव सचिनय सादर.
प्रति: मा. तहसिलदार सो जुन्नर यांना माहितीस्तव सचिनय सादर

राष्ट्रीय महामार्ग क्रमांक ५० मधील अनुसूचीनिहाय तोडीस परवानगी दिलेल्या झाडांची यादी

S/No	Taluka	Name of Village	Type of land	Existing Km/ch		Tree No	Tree Name	Girth (mtr)	Approx Height (m)	Vol cum
				To	Side					
22	Junnar	Narayangaon	Govt	73+200	L.H.S.	74/106	चिच	3.40	7.00	5.06
129	Junnar	Narayangaon	Govt	80+350	L.H.S.	81/67	चिच	1.50	5.50	0.77
130	Junnar	Narayangaon	Govt	80+350	L.H.S.	81/68	चिच	0.85	5.00	0.23
792	Junnar	Bhalkalwadi	Govt	87+200	L.H.S.	88/433	चिच	2.20	6.80	2.06
823	Junnar	Bhalkalwadi	Govt	87+850	L.H.S.	88/464	चिच	1.10	5.00	0.38
850	Junnar	Bhalkalwadi	Govt	87+750	L.H.S.	88/376	चिच	3.00	5.15	2.90
899	Junnar	Chalkalwadi	Govt	88+350	L.H.S.	89/390	चिच	0.50	1.15	0.02
944	Junnar	Chalkalwadi	Govt	89+700	L.H.S.	90/532	चिच	2.20	4.10	1.24
716	Junnar	Kandali	Govt	86+950	L.H.S.	87/426	आंबा	2.20	7.00	2.12
832	Junnar	Bhalkalwadi	Govt	87+250	L.H.S.	88/358	आंबा	1.00	2.50	0.16
998	Junnar	Ale	Govt	93+825	L.H.S.	94/33	आंबा	1.00	4.50	0.28
822	Junnar	Bhalkalwadi	Govt	87+850	L.H.S.	88/463	जाभूळ	0.70	4.10	0.13
874	Junnar	Chalkalwadi	Govt	88+550	L.H.S.	89/485	जाभूळ	1.65	4.80	0.82


 एस. सी. बुलबुल
 वनपरिक्षेत्र अधिकारी
 नारायणगाव

वन परिक्षेत्र अधिकारी घोडेगाव (पा.) यांचे कार्यालय

मध्यवर्ती प्रशासकिय इमारत, घोडेगाव - ४१२ ४०८ जि. पुणे. फोन नं : ०२१३३ - २४४०५०

Email_rfoghodegaon@gmail.com

विषय :- पुणे - नाशिक राष्ट्रीय राजमार्ग क्रमांक ५० कि.मी. ४२/०००
ते १७७/००० खेड - सिन्नर रस्त्याचे चौपदरी करणांतर्गत हद्दीत
येणारी झाडे तोडणे बाबत.

क्रमांक :- मालकी / २५४ / सन २०१३-१४

घोडेगाव :- ४१२४०८

दिनांक : २९ / ११ / २०१३

प्रति,

मा. प्रकल्प संचालक,
भारतीय राष्ट्रीय राजमार्ग प्राधीकरण,
सुबोध हाऊस, नाशिक.

संदर्भ :- आपले कडील पत्र क्रमांक NHAI/PIU/NSK/ks/Tree/२०१३/३२०५/ दिनांक १२/११/२०१३.

उपरोक्त संदर्भीय विषयान्वये आपणास कळविणेत येते की, घोडेगाव वनपरिक्षेत्रा अंतर्गत येणाऱ्या मौजे वेठ, कळंब, एकलहरे या पुणे नाशिक रा.म.क्र.५० वरील किमी. ४२/००० ते १७७/००० खेड - सिन्नर रस्त्याच्या चौपदरी करणांतर्गत या रस्त्याच्या दोन्ही बाजूने येणारी झाडे तोडण्यासंदर्भात परवानगी मिळणेकामी या कार्यालयाकडे अर्ज प्राप्त झालेला असून सदर अर्जात नमुद केल्या प्रमाणे सोबत जोडलेल्या यादीप्रमाणे आंबा व चिंच या प्रजातीचे झाडांस तोडण्यांस परवानगी देण्यात येत आहे.

तसेच यादीतील इतर प्रजातींची झाडे ही बिगर अनुसुची मध्ये येत असल्याने सदर झाडे तोडण्याची परवानगी या कार्यालयास देता येत नाही. तरी आपण मा. तहसिलदार आंबेगाव, यांचेकडे रितसर अर्ज करून त्यांचेकडून सदर झाडे तोडण्याची परवानगी प्राप्त करून घ्यावी. माहितीस्तव व पुढील कार्यावाहीस्तव सविनय सादर.

वन परिक्षेत्र अधिकारी,
घोडेगाव

प्रत :- १) मा. उप वनसंरक्षक, घोड प्रकल्प वन विभाग जुन्नर यांना माहितीस्तव सविनय सादर.
२) मा. तहसिलदार आंबेगाव यांना माहितीस्तव सविनय सादर.

वृक्ष अधिकारी तथा वन परिक्षेत्र अधिकारी, घोडेगाव यांचे कार्यालय, घोडेगाव
दूरध्वनी क्र ०२१३३/२४४०५० rfoghodegaon@gmail.com

- वाचा :- १) शासन निर्णय राजपत्र भाग - ४ दिनांक १०/८/१९८९.
२) मा.उप वनसंरक्षक घोड प्रकल्प, वन विभाग जुन्नर, कडिल क्र. ब /कक्ष७/मालकी १८०९
सन २००० - २००१ दिनांक ६/९/२०००.
३) वनपाल मंचर कडील जा.क्र.- मालकी /३९ / सन २०१३-१४ दिनांक ३/१२/२०१३
४) वनपाल कळंबकडील जा.क्र.-मालकी/१३/सन२०१३-१४ दिनांक १३/१२/२०१३

आदेश :-

जा. क्र. /मालकी / ८५० /सन २०१३-१४
घोडेगाव ४१२ ४०८ दिनांक २९ /९/२०१३

प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधीकरण सुबोध हाऊस, नाशिक यांनी क्रमांक NHA /PIU/NSK/KS/१४९९/२०१३/३२०५ दि.१२/११/२०१३ रोजी केलेल्या अर्जाची चौकशी करता त्यांना महाराष्ट्र वृक्ष तोडण्याबाबत (नियमन)अधिनियम १९६४ कलम-३ अन्वये खालील प्रमाणे झाडे तोडणीस परवानगी देणेत येत आहे.

- पुणे - नाशिक राष्ट्रीय महामार्ग क्र.५० खेड - सिन्नर किमी ४२/००० ते १७७/००० या लांबीतील रस्त्याच्या चौपदरीकरणांतर्गत रस्त्याच्या दोन्ही बाजूचे हद्दित येणारी झाडे
मौजे पेंठ येथील किमी. ५३/६०० मधील झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ५३/३८ आंबा झाड -१
मौजे कळंब येथील कि.मी.७३/९४ व ७३/९४ मधील झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ७२/७५० व ७२/६५० चिच झाडे - २
मौजे एकलहरे येथील किमी. ६५/८०० ते ६५/९००, ६६/१०० मधील साग झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ६६/३३, ६६/३९, ६७/४३ एकुण चिच झाडे ३

वरील परवानगी खालील शर्तीस अधिन राहिल.

- १) प्रस्तूतची झाडे तोडलेमुळे कोणाचेही हक्कास व हितसंबंधास बाधा येता कामा नये.
- २) प्रस्तूतची झाडे तोडलेमुळे इतर कोणाचेही नुकसान झाल्यास त्यांची जबाबदारी अर्जदारावर राहिल.
- ३) सदर वृक्षतोडीची परवानगीची मुदत आदेश झाले पासुन ३० दिवस वैध राहिल.
- ४) सदर मुदतीत झाडे तोड पुर्ण झाली नाही , तर फेर अर्ज देवून परवानगी मुदत वाढवून घ्यावी.
- ५) परवानगी दिलेली व मार्कींग केलेलीच झाडे तोडावीत अन्यथा वंडाची कारवाई केली जाईल परवानगी पेशा जास्त वृक्षांची तोड करू नये.
- ६) कोर्ट फी स्टॅम्पवर लिहून दिलेल्या प्रतिज्ञापत्रा प्रमाणे व नवीन झाडे लावणेबाबत पूर्तता न झालेस तोडलेल्या मालास शिक्का व निर्गत पास दिला जाणार नाही.
- ७) अर्जदार आदिवासी असल्यास त्यांना मालकी परस्पर विक्री करता येणार नाही.



वृक्ष अधिकारी, तथा
वन परिक्षेत्र अधिकारी
घोडेगाव

प्रतिलिपी :-

१) मा. उप वनसंरक्षक, घोड प्रकल्प, वन विभाग, जुन्नर यांना माहितीसाठी .

प्रतिलिपी :-

२) वनपाल मंचर / कळंब यांना माहितीसाठी.

१) त्यांनी अर्जदार यांनी मुदतीत झाडे तोड केली किंवा कसे याबाबत समक्ष चौकशी करून अहवाल सादर करावा.

२) परवानगी पेशा जास्त वृक्ष तोड होणार नाही याची वेळीच दक्षता घ्यावी व अहवाल सादर करावा.

वाचले:- १) पी.डी.खोडसकर जी.एम.टी & प्राजेक्ट डायरेक्टर , भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, नाशीक यांचा अर्ज दिनांक ११/११/२०१३
 २) महाराष्ट्र जमीन महसूल अधिनियम १९६६ व महाराष्ट्र जमीन महसूल (झाडे इत्यादीच्या बाबतीतील अधिकाराचे नियमन) करण्याबाबत नियम १९६७ चे नियम३(३)

तहसिल कार्यालय खेड(पुणे)
 क्र.जमीन/कावि/ १६४०/२०१३
 दिनांक १२/१२/२०१३

विषय:- मौजे- चांडोली- ५७, सांडभोरवाडी - ११६, वरची भांबुरवाडी- ३४, जैदवाडी -२४ येथील झाडे तोडणेस परवानगी मिळणे बाबत

२/- मौजे- चांडोली- ५७, सांडभोरवाडी - ११६, वरची भांबुरवाडी-३४, जैदवाडी -२४ येथील अराखीव झाडे तोडणेस परवानगी मिळणे बाबत पी.डी.खोडसकर जी.एम.टी & प्राजेक्ट डायरेक्टर , भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, नाशीक यांनी अर्ज केला आहे. सदर अर्जाची मंडळ अधिकारी खेड व कडूस यांचेमार्फत चौकशी केली असून त्यांनी

१.मौजे सांडभोरवाडी येथील बाभळ - १८, बभळ (विलायती) - ५०, निलगीरी -२, लिंब - १३, वड - २६, उंबर - ३, इतर - ४ , असे एकूण ११६,

२. मौजे भांबुरवाडी येथील बाभळ -१६, बाभळ (विलायती) - २, लिंब - ८, वड - ७, पिंपळ- १ , अशी एकूण ३४ झाडे,

३.मौजे जैदवाडी - बाभळ ६, बाभळ (विलायती)- १, लिंब - ८, वड -४, पिंपळ -५, अशी एकूण २४ झाडे व

४. मौजे चांडोली - बाभळ - ६, बाभळ (विलायती) - ३, लिंब -१६, वड -२२, पिंपळ -२, करनारी -१, कशमीरी झाडे -७ अशी एकूण ५७ व

वरील गावाची मिळून २३१ झाडे असून खेड सित्तर रस्ता रुंदीकरण मध्ये येत असलेने सदरची झाडे तोडणेस परवानगी देणेस हरकत नसलेबाबत पंचनामा करुन मंडळ अधिकारी खेड व कडूस यांनी अहवाल सादर केला आहे.

सदर अहवालाचे व पंचनाम्याचे आवलोकन करुन अर्जदार यांना महाराष्ट्र जमीन महसूल अधिनियम १९६६ व महाराष्ट्र जमीन महसूल (झाडे इत्यादीच्या बाबतीतील अधिकाराचे नियमन) करण्याबाबत नियम १९६७ चे नियम ३(३) अन्वये परवानगी देणेस हरकत नाही. सबब मी प्रशांत आवटे, तहसिलदार खेड(पुणे) मला प्राप्त अधिकाराचा वापर/खालील प्रमाणे आदेश देत आहे.

आदेश

अर्जदार यांना त्यांचे विनंती वरून वरील मौजे चांडोली- ५७, मौजे सांडभोरवाडी- ११६, वरची भांबूरवाडी - ३४ व मौजे जैदवाडी - २४ वरील प्रमाणे झाडे तोडण्यास खालील अटीवर परवानगी देणेत येत आहे.

आटी/शर्ती

१. बिगर अनुसूचित जातीच्या २३१ वृक्षांच्या बदल्यात ४६२ वृक्षाची लागवड येत्या वर्षीच्या (२०१४) पावसाळ्यात करणे अर्जदार यांना महाराष्ट्र वृक्षतोड अधिनियम १९६४ सुधारीत (८९/२६) कलम ३(अ) अन्वये दिलेल्या हमीपत्रानुसार बंधनकारक राहिल.
२. परवानगी दिलेली व मार्किंग केलेल्या वृक्षाशिवाय इतर कोणत्याही वृक्षाची तोड करणेत येऊ नये.
३. वृक्ष तोड करताना अर्जदार यांनी सर्व प्रकारची काळजी घ्यावी. वृक्ष तोड करताना सर्व जबाबदारी संबंधित अर्जदाराची राहिल. कोणतीही जीवीत अथवा वित्तहानीस हे कार्यालय जबाबदार असणार नाही.
४. सदरची परवानगी फक्त बिन राखीव वृक्ष तोडीसाठीच आहे.
५. झाडे तोडल्यामुळे मातीची धुप होणार नाही. यासाठी विशेष योजना राबवाव्यात की, जेणेकरून सध्याच्या जमिनीची व क्षेत्राच्या खालील शेतजमीन यांचे नुकसान होणार नाही व पर्यावरणास धोका होणार नाही. याची काळजी घ्यावी.
६. वृक्ष तोडीचा कालावधी सदर आदेशापसून ३० दिवस वैध राहिल
७. सदर झाडे तोडलेमुळे कोणाचेही हक्कास व हितसंबंधास बाधा येता कामा नये.
८. वन विभागाच्या अधिकार क्षेत्रातील झाडे (अनुसूचित झाडे) तोडणेसाठी वनविभागाची स्वतंत्र परवानगी घेणेत यावी.
९. सदरची झाडे ज्या कारणासाठी तोडणार आहेत. त्याच कारणासाठी त्यांचा उपयोग करावा अन्य कारणासाठी झाडे तोडण्यात येऊ नयेत. याची पूर्ण जबाबदारी अर्जदार यांची राहिल.

(प्रशांत आवटे)

तहसिलदार खेड(पुणे)

प्रत,

श्री.पी.डी.खोडसकर जी.एम.टी & प्राजेक्ट डायरेक्टर, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, नाशिक

गाव कमागार तलाठी चांडोली, सांडभोरवाडी, वरची भांबूरवाडी व जैदवाडी यांना पुढील कार्यवाहीसाठी रवाना

प्रति,

मा.जिल्हाधिकारी पुणे(महसूल शाखा) यांना माहितीसाठी सविनय सादर
मा.उपविभागीय अधिकारी खेड उपविभाग खेड यांना माहितीसाठी सविनय सादर
वनपरिक्षेत्र अधिकारी खेड यांना माहितीसाठी रवाना

तहसिलदार खेड(पुणे)

- वाचाले:-१) प्रकल्प संचालक, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक यांचेकडील जा.क्र एनएचओआय/पीआययु/
/एनएसके/केस/२०१३/३००७ दि.२५, ऑक्टोबर २०१३.
- २) मंडल अधिकारी, कळंब यांचा चौकशी अहवाल क्रमांक मं.अ.मं/कावि/२५९/२०१३ दि.१८/११/२०१३.
- ३) मंडल अधिकारी, मंचर यांचा चौकशी अहवाल क्रमांक ५०१/२०१३ दि. १९/११/२०१३
- ४) महाराष्ट्र झाडे तोडण्याबाबत (विनियमन) अधिनियम १९६४ मधील नियम (३) प्रमाणे.
- ५) महाराष्ट्र जमिन महसूल अधिनियम १९६६ चे कलम २५ (१) प्रमाणे.
- ६) महाराष्ट्र जमिन महसूल (झाडे इत्यादीच्या बाबतीतील अधिकारांचे नियमन करण्याबाबत) नियम १९६७ मधील तरतुदीप्रमाणे

तहसिल कार्यालय आंबेगाव (पुणे)
जा.क्र.झाडे तोड/एसआर/२/२०१३
घोडेगाव दिनांक १७/११/२०१४

दुरुस्ती आदेश,

ज्याअर्था प्रकल्प संचालक, भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांनी पुणे-नाशिक राष्ट्रीय महामार्ग क्र.५० किमी वरील (४२/००० ते १७७/०००) यामध्ये चौपदीकरणांतर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हददीत येणारी झाडे तोडणेस परवानगी मिळणे बाबत विनंती केली आहे. त्या अनुषंगाने मंडल अधिकारी मंचर व कळंब यांचेकडे चौकशीकामी पाठविले असता मंडल अधिकारी यांनी पंचनामे करून अहवाल इकडे सादर केला आहे.

पुणे-नाशिक राष्ट्रीय महामार्ग क्र.५० किमी वरील (४२/००० ते १७७/०००) यामध्ये चौपदीकरणांतर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हददीत अडथळा निर्माण करीत असल्याने सदरची झाडे तोडणे आवश्यक आहे अशी माझी खात्री झाली आहे. त्यामुळे खालील अटी व शर्तीवर महाराष्ट्र जमिन महसूल अधिनियम १९६६ चे कलम २५ व महाराष्ट्र जमिन महसूल (झाडे इ.च्या बाबतीत अधिकारांचे नियमन करणे बाबत) नियम १९६७ मधील तरतुदीनुसार प्रदान असलेल्या शक्तीचा वापर करून झाडे तोडण्यास खालील अटीवर परवानगी देत आहे

बिगर अनुसूचित वनझाडे	एकूण संख्या	बिगर अनुसूचित फळझाडे	एकूण संख्या
बाभळ (किकर)	१७३	बोर	२१
बाभळ (विलायत)	३८		
लिंब	१११		
वड	११३		
कारन्ज	२१		
पिंपळ	२९		
शिसम	१४		
कवळ	३		
गुलमोहर	१		
झाड	२		
राईवळ	२४		
खेजडी	१		
एकूण	५३०		२१
एकंदर एकूण			५५१

अटी व शर्ती

१. बिगर अनुसूचित जातीच्या प्रत्येक झाडामागे १० अशी एकूण ५५१ झाडांची एकूण ५५१० वृक्षांची लागवड येत्या वर्षाच्या (२०१४) च्या पावसाळ्यात करणे अर्जदार यांना महाराष्ट्र वृक्षतोड अधिनियम १९६४ (८९/२६) कलम ३ (अ) नुसार बंधनकारक राहिल.

२. परवानगी दिलेली व मार्कींग केलेल्या वृक्षांशिवाय इतर कोणत्याही वृक्षांची तोड करण्यात येऊ नये.
३. सदरची परवानगी फक्त बिनराखीव वृक्ष तोडसाठीच आहे.
४. झाडे तोडल्यामुळे मातीची धुप होणार नाही यासाठी विशेष योजना राबवाव्यात की जेणेकरून सध्याच्या जमिनीची व क्षेत्राच्या खालील शेतजमीन यांचे नुकसान होणार नाही, व पर्यावरणास धोका होणार नाही यांची काळजी घ्यावी.
५. या परवानगीस अनुसरून झाडे तोडल्यामुळे कोणत्याही व्यक्तीच्या मालमत्तेच्या आणि कोणत्याही हानिकारक नुकसान भरपाई भरणेस अर्जदार पात्र असेल.
६. ही परवानगी ज्या तारखेस देणेत आली त्या तारखेपासून ६० दिवसांच्या कालावधीसाठी वैध राहिल.
७. झाडाची विक्री करावयाची असल्यास/वाहतूक करावयाची असल्यास वाहतूकीबाबत वनखात्याची परवानगी घ्यावी लागेल.
८. तोडलेल्या झाडांची प्रचलित कायदेशीर तरतुदीचा अवलंब करून प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांनी करावी.
९. सदर परवानगी ही झाडतोडीबाबत असून झाडाच्या मालकी हक्काबाबत वाद उदभवल्यास त्याची सर्वस्वी जबाबदारी प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांची राहिल.
१०. उक्त झाडांच्या व्यतिरिक्त झाडे तोडल्यांचे निदर्शनास आल्यास त्यास प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/यांना दंडास पात्र धरणेत येईल.
११. भारतीय वक्षतीडीच्या वन कायद्याचे उल्लंघन होणार नाही याची दक्षता घ्यावी.
१२. महाराष्ट्र शासन सचिवालय, मुंबई २३, २८ मार्च १९७० गॅझेट मधिल नमुद असलेली झाडे तोडणेसंबंधी वनीकरण विभागाची परवानगी घ्यावी.
१३. शर्त १ प्रमाणे झाडे लावणेस फर्माविण्यात आल्याप्रमाणे झाडांची चांगली वाढ होते अगर कसे? त्यावर देखरेख ठेवणेत येऊन चांगल्याप्रकारे संगोपन करण्यात यावे.
१४. वरील शर्त क्र.१ ते ९ मधील अटीशर्तीचा भंग केल्यास दिलेली परवानगी रद्द समजणेत येईल.

दिनांक :- १९/१/२०१४
ठिकाण :- घोडेगाव



(बी. जे. गोरे)
तहसिलदार आंबेगाव (पुणे)

प्रति,

श्री. पी. बी. खोडसकर, जी. एम. (टी) & प्रोजेक्ट डायरेक्टर,
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, नाशिक

प्रत -१. मंडल अधिकारी कळंब व मंचर यांना माहितीस्तव रवाना.

२. वनपरिक्षेत्र अधिकारी, घोडेगाव ता. आंबेगाव जि.पुणे यांना माहितीस्तव रवाना.

(बी. जे. गोरे)
तहसिलदार आंबेगाव (पुणे)

- १) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक यांचे कडील पत्र No.NHAI/PIU/NSK/KS/२०१३/३००८ दि. २३/१०/२०१३ रोजीचा अर्ज
- २) मंडळ अधिकारी वडगावआनंद यांचे कडील जा.क्र ४०८/२०१३ दि. १६/११/२०१३
- ३) मंडळ अधिकारी नारायणगाव यांचे कडील जा. क्र/१५०/२०१३ दि. १३/११/२०१३
- ४) वनपरिक्षेत्र नारायणगाव यांचेकडील पत्र क्र मुल्यांकन/१०१७/१३ दि.२८/११/२०१३
- ५) महाराष्ट्र जमीन महसुल अधिनियम १९६६ चे कलम २५ (१) मधील तरतुदीनुसार

दुरुस्ती आदेश

तहसील कार्यालय जुन्नर
क्र/जमा/कावि/८६/२०१४
जुन्नर दि.२०/११/२०१४

उद्घोषातील क्र. १ नुसार भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक यांचा दि. २३/१०/२०१३ रोजी च्या अर्जांमध्ये पुणे नाशिक राष्ट्रीय महामार्ग क्र. ५० चे रूंदीकरणचे कामाच्या कडेला बाभूळ (फिकर) ४०५, बाभूळ (विलायती) ३ बोर २१, निलगोरी १९, लिंब ५५, वड ३१६, रायवळ ८ नांदुरकी ३१२, आंबा ३, उंबर ३, खेजडी १, कारंजे १, पिपळ ७९, शिसम ७, जांभूळ २, गुलमोहर ११, महारुक ७, पारस १, शेवरी २, कोट १ चिंच ८, अशी एकूण १२७३ या जातीचे झाडे पुणे नाशिक राष्ट्रीय महामार्ग क्र. ५० कि.मी. वरील ४२/०० ते १७७/०० या लांबीतील चौपदरीकरण अंतर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हद्दीत अडथळा निर्माण करीत असल्याने सदरची झाडे तोडण्यास परवानगी मिळण्याची विनंती केली आहे.

उद्घोषातील क्र २,३,४ यांचेकडून अहवाल मागविला असता त्यांनी सदर ठिकाणी स्थळपहाणी करून पंचनामेसह त्यात नमुद केलेली झाडे तोडण्यात हरकत नाही असा अहवाल सादर केलेला आहे.

तसेच उद्घोषातील क्र ४ नुसार राष्ट्रीय महामार्गाच्या रुंदीकरणात जात असलेल्या वृक्षांच्या बदल्यात भारतीय राष्ट्रीय राज्य मार्ग प्राधिकरणाने दुप्पट झाडे लावण्याचे बंधपत्र देणे आवश्यक आहे. तरी उर्वरित एकूण १२७० ही बिगर अनुसुचित वृक्षांमध्ये येत असल्याने सदर झाडे तोडीची परवानगी खालील प्रमाणे देण्यात येत आहे.

बिगर अनुसुचित वनझाडे	एकूण संख्या	बिगर अनुसुचित फळझाडे	एकूण संख्या
बाभूळ (फिकर)	४०५	बोर	२१
बाभूळ (विलायती)	३	आंबा	३
निलगोरी	१९	उंबर	३
लिंब	५५	जांभूळ	२
रायवळ	८	कोट	१
वड	३१६	चिंच	८
नांदुरकी	३१२		
खेजडी	१		
कारंजे	१		
पिपळ	७९		
शिसम	७		
गुलमोहर	११		
महारुक	७		
पारस	१		
शेवरी	२		
एकूण	१२३५		३८
एकूण			१२७३

पुणे नाशिक राष्ट्रीय महामार्ग क्र. ५० कि.मी. वरील ४२/०० ते १७७/०० या लांबीतील चौपदरीकरणानंतर्गत राष्ट्रीय महामार्गाचे काम हे प्रगतीमध्यात असून उपरोक्त सुचीतील झाडे रस्त्याच्या हद्दीत अडथळा निर्माण करीत असल्याने सदरची झाडे तोडणे आवश्यक आहे. अशी माझी खत्री झाली आहे. त्यामुळे खलील अटी व शर्तीवर महाराष्ट्र जमीन महसूल अधिनियम १९६६ चे कलम २५ व महाराष्ट्र जमीन महसूल (झाडे इत्यादींच्या बाबतीतील अधिकारांचे नियमन करण्याबाबत) नियमन करण्याबाबत) नियम १९६७ मधील तरतुदीनुसार प्रदान असलेल्या शक्तीचा वापर करून झाडे तोडण्यास खलील अटीवर परवानगी देत आहे.

अटी व शर्ती

- १) झाडे तोडल्यामुळे जिवीतास किंवा मालमत्तेस कोणतीही इजा किंवा नुकसान होणार नाही. तसेच पिण्याचे पाणी दुषित होणार नाही. याची दक्षता घ्यावी.
- २) निम झाडांच्या मालकीबाबत काही वाद उद्भवल्यास त्याची सर्वस्वी जबाबदारी कंपनीची राहिल.
- ३) भारतीय वृक्षतोडीच्या वन कायद्याचे उल्लंघन होणार नाही याची दक्षता घ्यावी.
- ४) सदर झाडाबाबत इतर अन्य दगडी वाद उद्भवल्यास त्याची सर्वस्वी जबाबदारी कंपनीची राहिल.
- ५) एका झाडास नवीन ५ झाडे लावावीत.
- ६) महाराष्ट्र शासन सचिवालय, मुंबई २३, २८ मार्च १९७० गॅझेट मधील नमुद असलेली झाडे तोडणेसंबंधी वनीकरण विभागाची परवानगी घ्यावी.

तहसिलदार, पुणे

दि. ३०/१/२०१४

ठिकाण - पुणे

प्रती १) भारतीय राष्ट्रीय राज्यमार्ग प्राधिकरण नाशिक

- २) मंडळ अधिकारी नारायणगांव यांना माहितीसाठी रवाना
- ३) मंडळ अधिकारी चडगांव आनंद यांना माहितीसाठी रवाना
- ४) वन परिक्षेत्र अधिकारी नारायणगांव यांना माहितीसाठी

9/11/2014



Reply Reply to all Forward

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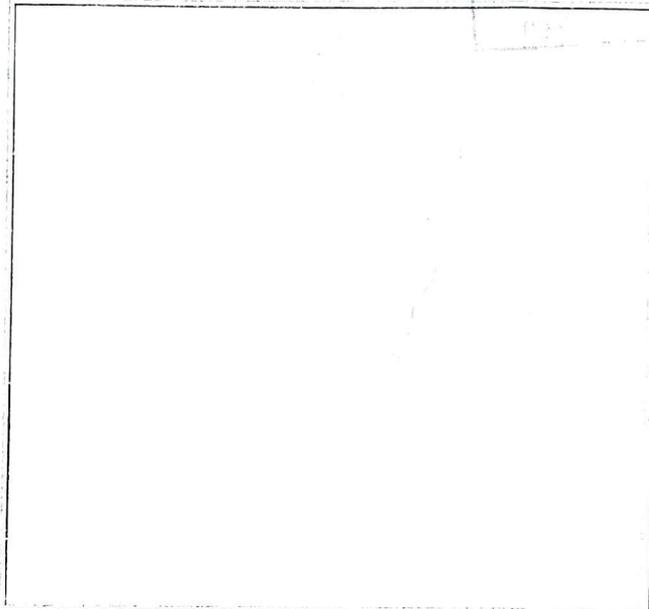
From: Junnar Forest Office Junnar [junnarforestdn@gmail.com] Sent: Th

To: PIU Nashik

Cc:

Subject: Hayway Pune Nashik

Attachments: [01_001.jpg\(279KB\)](#)



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Junk E-mail

Calendar

Contacts

Tasks

Folders

Public Folders

Options

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पुणे - नाशिक राष्ट्रीय महामार्ग क्रमांक ५० वरील कि. मी. २२००० ते २०००० (सिःनर) रस्ता रुंदीकरण करण्यासाठी रस्त्याचे मध्ये दोघारा विविध प्रजातींची झाडे द्याकृपा एन्टरप्रायझेस, पुणे चे श्री. महादेव काशिनाथ औताडे, रा. गु. पो. माजरी, पुणे यांना दिला आहे. श्री. औताडे यांनी सदरचा परवाना त्यांचे तांत्रिक अडकणीः राजकरण मिश्रा, रा. नाशिक यांना दिला असून त्यांना गौजे नारायणगांव ते आळेपट्ट (९७ पर्यंत) मधील रस्त्याचे मध्ये येत असलेली झाडे नियमाप्रमाणे तोडणे व त्याची वाहतुक करणे याबाबतचा करारनामा केला आहे. श्री. औताडे यांची कामे महाराष्ट्र ठिकाणी सुरु असल्याने त्यांना एकाच ठिकाणी कामे करणे शक्य होत नाही. त्यामुळे त्यांनी पुणे - नाशिक महामार्ग क्रमांक ५० वरील गौजे नारायणगांव ते आळेपट्ट (९७ पर्यंत) पर्यंत रस्ता रुंदीकरणासाठी रस्त्याचे मध्ये अडथळा ठरलेली झाडे तोडण्यास राजकरण मिश्रा, रा. नाशिक यांचेशी केलेल्या करारासाठी आम्ही सहमत असून कसल्याही प्रकारची हरकत नाही. तरी श्री. औताडे यांनी श्री. प्रेमनाथ राजकरण मिश्रा यांच्या कराराप्रमाणे पुणे - नाशिक राष्ट्रीय महामार्ग क्रमांक ५० वरील गौजे नारायणगांव ते आळेपट्ट रस्त्याचे कडेला असलेली झाडे तोडण्यास व त्याची वाहतुक करण्यास त्यांचे नावाचे निर्गत परवाना देण्यास आमची काहीही हरकत नाही.

1008

Reply Reply to all Forward Close Help

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From: KHED SINNAR [khedsinnar@gmail.com]

Sent: Thu 11-Sep-14 4:16 PM

To: PIU Nashik: Nhai Nashik

Cc: Ksel Daud Khan; SP.Singh@ilfsindia.com

Subject: Tree Cutting Order and Permission for Pune District

Attachments:  [Tree Cutting Order- Pune.pdf\(194KB\)](#)  [Quarantined Attachment.txt\(520B\)](#)  [RFO Permission.rar\(1MB\)](#)

[View As Web Page](#)

Sir,

Please find attached the Work order issued by KSEL for Tree Cutting in Pune Distric.
The Tree Cutting Permissions from Tahasildar & RFO are also attached.

Regards,

KSEL

KHED SINNAR EXPRESSWAY LIMITED

KSEL/PRJ/TEC/WOR-618/211

7th May, 2014

To,
M/s. Shree Dattakrupa Enterprises
S. No. 80/5, Kanifnath Soc.,
Bungalow No. 6, Behind Oxygen Valley,
Opp. Annasaheb Magar Vegetable Market,
Pune-Solapur Road, Manjari (Bk), Pune – 412 307

Kind Attention : Mr. M.K. Aoutade

Sub: Four Laning of Khed-Sinnar Section of NH-50 from Km 42+000 to Km 177+000 (Design Length – 137.946 Km) under NHDP Phase IV B in the State of Maharashtra on DBFOT Basis- **Work Order for Tree Cutting -Reg.**

Ref : Your offer letter No: SDE/2013/015 dated 22/11/2013.

Dear Sir,

With reference to the above cited offer submitted by you and further discussions we had with you, we are pleased to issue the Work Order to you for cutting of standing trees in our project site on terms and conditions as mentioned below.

Name of work : Cutting and disposal of Standing Trees of varying Girth Sizes in Pune District as per details below:

District	Valuation Authority	No of Trees	Valuation Amount (Rs)
Pune	RFO, Khed(Rajgurunagar)	231	4,25,455/-
	RFO Ghodegaon(Ambegaon)	558	7,57,145/-
	RFO, Narayangaon	1273	13,26,066/-

Date of commencement : Within 2 days from the date issue of this LOI

Period of Work : Within 90 days from the Commencement Date.

Terms and Conditions:

1. You have to submit Demand Drafts towards the valuation amounts as mentioned above for each division separately prior to commencement of Tree Cutting. The details of payment shall be intimated by us.
2. You shall cut only the identified trees which are required to be cut for the Project work (as per the above scope) and no other trees shall be cut.

KHED SINNAR EXPRESSWAY LIMITED

3. The required workforce for completion of work shall be arranged by you.
4. The transportation of timber etc shall be in your scope of work for which necessary Transit Permit from Forest Department shall be procured by you.
5. All required permission for commencement of work as per statutory compliances, from any Govt. Authority, Local bodies etc shall be in your scope.
6. After cutting and transporting the trees, the site shall be cleared of the branches / leaves etc.
7. The work shall be completed within time period as mentioned above.
8. If it is observed that the speed of work does not meet the requirement, your work order shall be terminated without giving any Compensation or Notice for the same.
9. You agency shall be responsible for compliances of all Labour laws, applicable statutory obligations.
10. You shall be responsible for total safety arrangements during the works

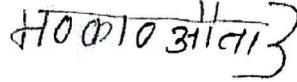
This work Order is being issued in duplicate and you are requested to return a duly signed copy as a token of acceptance.

For Khed Sinar Expressway Limited,

The above terms and conditions are accepted.



S.P Singh
Project Director



For M/s. Shree Dattakrupa Enterprises

वन परिक्षेत्र अधिकारी, नारायणगाव प्रा. यांचे कार्यालय

विषय :- NHAI PIU-NSK Widening of existing २ lane Carriageway to ४/६ lane divided carriageway configuration Khed-Sinnar (Km ४२/०००- Km १७७/०००) stretch of Pune Nashik Section of NH-५० in the state of Maharashtra -Request for Permission of Cutting Scheduled trees Reg

जा.क. /मुल्यांकन / ११२१ / २०१३-१४

नारायणगाव दिनांक २६/१२/२०१३

प्रति,

प्रकल्प संचालक

भारतीय राष्ट्रीय राजमार्ग प्राधीकरण

सुबोध हाऊस, सर्वे नंबर ९११/२, प्लॉट नंबर -४

मुंबई आग्रा हमरस्ता, नाशिक-४२२००९

संदर्भ : आपलेकडील पत्र क्रमांक NHAI/PIU/NSK/KS/ Tree/२०१३/३२०४ दिनांक १२ नोव्हेंबर २०१३.

उपरोक्त संदर्भिय विषयांन्वये आपणांस कळविण्यात येते की, या वनक्षेत्रांतर्गत येणा-या नारायणगांव, भटकळवाडी, चाळकवाडी, कांदळी व आळे या पुणे नाशिक रा. म. क्रं ५० वरील कीमी ४२/००० ते १७७/००० या रस्त्याच्या दोन्ही बाजूने येणारी झाडे तोडण्या संदर्भात परवानगी मिळणे कामी या कार्यालयाकडे अर्ज प्राप्त झालेला असून सदर अर्जात नमुद केल्या प्रमाणे सोबत जोडलेल्या यादी प्रमाणे चिच-०८, आंबा -०३ व जांभूळ -०२ प्रजातींचे असे एकूण १३ झाडांस तोडण्यास परवानगी देण्यात येत आहे. तसेच यादीतील इतर प्रजातींची झाडे ही बिगर अनुसुची मध्ये येत असल्याने सदर झाडे तोडण्याची परवानगी या कार्यालयास देता येत नाही. तरी आपण सदर झाडांच्या तोडीबाबत मा. तहसिलदार सोा जुन्नर यांचे कडे रितसर अर्ज करून त्यांचेकडून सदर झाडे तोडण्याची परवानगी प्राप्त करून घ्यावी.


एस.बी.मुल्लुल
वनपरिक्षेत्र अधिकारी
नारायणगाव

सोबत: वरील प्रमाणे यादी

प्रत: मा. उप वनसंरक्षक जुन्नर वनविभाग जुन्नर यांना माहितीस्तव सचिनय सादर.

प्रति: मा. तहसिलदार सोा जुन्नर यांना माहितीस्तव सचिनय सादर

राष्ट्रीय महामार्ग क्रमांक ५० मधील अनुसूचीनिहाय तोडीस परवानगी दिलेल्या झाडांची यादी

S/No	Taluka	Name of Village	Type of land	Existing Km/ch		Tree No	Tree Name	Girth (mtr)	Approx Height (m)	Vol cum
				To	Side					
22	Junnar	Narayangaon	Govt	73+200	L.H.S.	74/106	चिंच	3.40	7.00	5.06
129	Junnar	Narayangaon	Govt	80+350	L.H.S.	81/67	चिंच	1.50	5.50	0.77
130	Junnar	Narayangaon	Govt	80+350	L.H.S.	81/68	चिंच	0.85	5.00	0.23
792	Junnar	Bhalkalwadi	Govt	87+200	L.H.S.	88/433	चिंच	2.20	6.80	2.06
823	Junnar	Bhalkalwadi	Govt	87+850	L.H.S.	88/464	चिंच	1.10	5.00	0.38
850	Junnar	Bhalkalwadi	Govt	87+750	L.H.S.	88/376	चिंच	3.00	5.15	2.90
899	Junnar	Chalkalwadi	Govt	88+350	L.H.S.	89/390	चिंच	0.50	1.15	0.02
944	Junnar	Chalkalwadi	Govt	89+700	L.H.S.	90/532	चिंच	2.20	4.10	1.24
716	Junnar	Kandali	Govt	86+950	L.H.S.	87/426	आंबा	2.20	7.00	2.12
832	Junnar	Bhalkalwadi	Govt	87+250	L.H.S.	88/358	आंबा	1.00	2.50	0.16
998	Junnar	Ale	Govt	93+825	L.H.S.	94/33	आंबा	1.00	4.50	0.28
822	Junnar	Bhalkalwadi	Govt	87+850	L.H.S.	88/463	जाम्बूळ	0.70	4.10	0.13
874	Junnar	Chalkalwadi	Govt	88+550	L.H.S.	89/485	जाम्बूळ	1.65	4.80	0.82


 एस. सी. मुलुल
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 नारायणगाव

वृक्ष अधिकारी तथा वन परिक्षेत्र अधिकारी, घोडेगाव यांचे कार्यालय, घोडेगाव
दूरध्वनी क्र ०२१३३/२४४०५० rfoghodegaon@gmail.com

- वाचा :- १) शासन निर्णय राजपत्र भाग - ४ दिनांक १०/८/१९८९.
२) मा.उप वनसंरक्षक घोड प्रकल्प, वन विभाग जुन्नर, कडिल क्र. ब /कक्ष७/मालकी १८०९
सन २००० - २००१ दिनांक ६/९/२०००.
३) वनपाल मंचर कडील जा.क्र.- मालकी /३९ / सन २०१३-१४ दिनांक ३ /१२/ २०१३
४) वनपाल कळंबकडील जा.क्र.-मालकी/१३/सन२०१३-१४ दिनांक १३/१२/२०१३

आदेश :-

जा. क्र. /मालकी / ९५० /सन २०१३-१४
घोडेगाव ४१२ ४०८ दिनांक २९ /१२ /२०१३

प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस, नाशिक यांनी क्रमांक NHA /PIU/NSK/KS/१४९९/२०१३/३२०५ दि.१२/११/२०१३ रोजी केलेल्या अर्जाची चौकशी करता त्यांना महाराष्ट्र वृक्ष तोडण्याबाबत (नियमन)अधिनियम १९६४ कलम-३ अन्वये खालील प्रमाणे झाडे तोडणीस परवानगी देणेत येत आहे.

- पुणे - नाशिक राष्ट्रीय महामार्ग क्र.५० खेड - मिन्नर किमी ४२/००० ते १७७/००० या लांबीतील रस्त्याच्या चौपदरीकरणातर्गत रस्त्याच्या दोन्ही बाजूचे हद्दित येणारी झाडे
मौजे पेट येथील किमी. ५३/६०० मधील झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ५३/३८ आंबा झाड -१
मौजे कळंब येथील कि.मी.७३/९४ व ७३/९४ मधील झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ७२/७५० व ७२/६५० चिंच झाडे - २
मौजे एकलहरे येथील किमी. ६५/८०० ते ६५/९००, ६६/१०० मधील साग झाडांच्या मार्कींग लिस्ट मधील झाड क्रमांक ६६/३३, ६६/३९, ६७/४३ एकुण चिंच झाडे ३

वरील परवानगी खालील शर्तीस अधिन राहिल.

- १) प्रस्तुतची झाडे तोडलेमुळे कोणाचेही हक्कास व हितसंबंधास बाधा येता कामा नये.
- २) प्रस्तुतची झाडे तोडलेमुळे इतर कोणाचेही नुकसान झाल्यास त्यांची जबाबदारी अर्जदासवर राहिल.
- ३) सदर वृक्षतोडीची परवानगीची मुदत आदेश झाले पामनु ३० दिवस वैध राहिल.
- ४) सदर मुदतीत झाडे तोड पूर्ण झाली नाही , तर फेर अर्ज देवून परवानगी मुदत वाढवून घ्यावी.
- ५) परवानगी दिलेली व मार्कींग केलेलीच झाडे तोडावीत अन्यथा दंडाची कारवाई केली जाईल परवानगी पेशा जास्त वृक्षांची तोड करू नये.
- ६) कोर्ट फी स्टॅम्पवर लिहून दिलेल्या प्रतिज्ञापत्रा प्रमाणे व नवीन झाडे लावणेबाबत पूर्तता न झालेस तोडलेल्या मालास शिकका व निर्गत पास दिला जाणार नाही.
- ७) अर्जदार आदिवासी असलेस त्यांना मालकी परस्पर विक्री करता येणार नाही.



वृक्ष अधिकारी ,तथा
वन परिक्षेत्र अधिकारी
घोडेगाव

प्रतिलिपी :-

प्रतिलिपी :-

- १) मा. उप वनसंरक्षक, घोड प्रकल्प, वन विभाग, जुन्नर यांना माहितीसाठी .
- २) वनपाल मंचर / कळंब यांना माहितीसाठी.
- ३) त्यांनी अर्जदार यांनी मुदतीत झाडे तोड केली किंवा कसे याबाबत समक्ष चौकशी करून अहवाल सादर करावा.
- २) परवानगी पेशा जास्त वृक्ष तोड होणार नाही याची वेळीच दक्षता घ्यावी व अहवाल सादर करावा.

पुणे - नाशिक राष्ट्रीय महामार्ग क्र. ५० मधील खेड - सिन्नर (किमी.४२/०००- किमी.१७७/०००)
मधील अनुसूचीनिहाय तोडीस परवानगी दिलेल्या झाडांची यादी

Sr.No	Taluka	Name of Village	Type of land	Existing km/ch		Tree No	Tree Name	Girth (mtr)	Approx Height (M)	Vol. (Cum)
				To	Side					
२५	आंबेगाव	पेट	Govt.	५३/६००	L.H.S.	५३/३८	आंबा	३.०५	७.००	७.५०
५२५	आंबेगाव	कळंब	Govt.	७३/९४	L.H.S.	७२/७५०	चिंच	२.३०	८.००	२.६५
५५२	आंबेगाव	कळंब	Govt.	७३/९८	R.H.S.	७२/६५०	चिंच	२.७०	६.५०	२.९६
२८८	आंबेगाव	एकलहरे	Govt.	६५/८००	R.H.S.	६६/३३	चिंच	२.२०	४.५०	१.३६
२९५	आंबेगाव	एकलहरे	Govt.	६५/९००	R.H.S.	६६/३९	चिंच	३.१०	७.५०	४.५०
३०७	आंबेगाव	एकलहरे	Govt.	६६/१००	L.H.S.	६७/४३	चिंच	१.२५	३.५०	०.३४

वृक्ष अधिकारी, तथा
वन परिक्षेत्र अधिकारी
घोडेगाव

उपविभागीय अधिकारी संगमनेर भाग संगमनेर, यांचे समोरील कामकाज

विषय :- राष्ट्रीय महामार्ग खेड-सिन्नर किमी ४२/००० ते १७७/००० रुंदीकरणातील झाडे तोडण्यास परवानगी मिळणेबाबत.

- वाचले :-१) प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांचेकडील जा.क्र..NHAL/PIU/NSK/KS/२०१३/२९७५ दि.२२/१०/२०१३.
२) तहसिलदार संगमनेर यांचे कडील चौकशी अहवाल क्र.कावि/जमीन-२/११५५/२०१३ दि.२/११/२०१३.
३) महाराष्ट्र जमीन महसूल अधिनियम १९६६ चे कलम २५ व त्याखालील अधिनियम १९६७ चे नियम ३.

क्र. कावि ८/७०/२०१३

आदेश

संगमनेर दिनांक २/१२/२०१३

ज्या अर्थी प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांनी पुणे-नाशिक राष्ट्रीय महामार्ग क्र.५० किमी वरील (४२/००० ते १७७/०००) यामध्ये चौपदरीकरणांतर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हद्दीत येणारी झाडे तोडणेस परवानगी मिळणेबाबत विनंती केली आहे. त्याअनुषंगाने तहसिलदार संगमनेर यांनी मंडळाधिकारी संगमनेर, धारगाव,डोळासणे,पिंपरणे यांचेकडेस चौकशीकामी पाठविले असता मंडळाधिकारी यांनी पंचनामे केले असून तहसिलदार संगमनेर यांचेकडेस अहवाल सादर केला आहे.तहसिलदार संगमनेर यांनी सादर केलेला उद्घोषातील क्र.२ अन्वये अहवाल पाहता त्यात नमुद केलेली झाडे तोडण्यास हरकत नाही असा अहवाल सादर केलेला आहे.

पुणे-नाशिक राष्ट्रीय महामार्ग क्र.५० कि.मी. वरील (४२/००० ते १७७/०००) यामध्ये चौपदरीकरणांतर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हद्दीत अडथळा निर्माण करीत असल्याने सदरची झाडे तोडणे आवश्यक आहे अशी माझी खात्री झाली आहे. त्यामुळे खालील अटी व शर्तीवर महाराष्ट्र जमिन महसूल अधिनियम १९६६ चे कलम २५ व महाराष्ट्र जमिन महसूल(झाडे इ.च्या बाबतीत अधिकारांचे नियमन करणेबाबत) नियम १९६७ मधील तरतुदीनुसार प्रदान असलेल्या शक्तीचा वापर करुन झाडे तोडण्यास खालील अटीवर परवानगी देत आहे.

अ.क्र.	झाडाचे नाव	संख्या	अ.क्र.	झाडाचे नाव	संख्या
१.	बाभूळ (किकर)	११२२	१५	कौठ	३
२.	बाभूळ (विलायती)	५५	१६	शेवगा	६
३	बोर	१०३	१७	पिंपळ	१३
४	निलगिरी	१३	१८	उंबर	९
५	लिंब	५६७	१९	करंजी	३
६	वड	१८१	२०	रायवळ	५०
७	बदाम	६	२१	खेजरी	१
८	शेवरी	३८	२२	नांदुरकी	१३०
९	पिंपळ	१४	२३	कारंजा	२

१०	शिसव	४	२४	केळी	१
११	शिरस	२०	२५	पारस	२
१२	गुलमोहर	१९	२६	सिताफळ	१
१३	महारुख	४	२७	निर्गुडी	२
१४	आडलिंब	२	२८	जंगली झाड	१
			२९	इतर	१
		२१४८			२२५
एकुण					२३७३

अटी व शर्ती

- या परवानगीस अनुसरून झाडे तोडल्यामुळे कोणत्याही व्यक्तीच्या मालमत्तेच्या आणि कोणत्याही हानिकारक नुकसान भरपाई भरणेस अर्जदार पात्र असेल.
- ही परवानगी ज्या तारखेस देणेत आली त्या तारखेपासून ६० दिवसांच्या कालावधीसाठी वैध असेल.
- झाडाची विक्री करावयाची असल्यास/वाहतूक करावयाची असल्यास वाहतुकीबाबत वनखात्याची परवानगी घ्यावी लागेल.
- अर्जदार यांनी प्रत्येक झाडामागे १० अशी एकूण २३७३० नवीन झाडांची लागवड करावी. व तसे केलेबाबत तहसिलदार संगमनेर यांचेमार्फत इकडेस अहवाल सादर करावा.
- तोडलेल्या झाडांची विल्हेवाट लिलाव पध्दतीने व प्रचलित कायदेशिर तरतुदीचा अवलंब करून प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांनी करावी.
- सदर परवानगी ही झाडतोडीबाबत असून झाडाच्या मालकी हक्काबाबत वाद उद्भवल्यास त्याची सर्वस्वी जबाबदारी प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांची राहिल.
- उक्त झाडांच्या व्यतिरिक्त झाडे तोडल्याचे निदर्शनास आल्यास त्यास प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक यांना दंडास पात्र धरणेत येईल.




 उपविभागीय अधिकारी
 संगमनेर भाग संगमनेर

प्रत : १. प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण सुबोध हाऊस मुंबई/नाशिक
 प्रतिलिपी :- तहसिलदार संगमनेर यांचेकडेस माहितीसाठी व पुढील कार्यवाहीसाठी रवाना.

२/ उपरोक्त अट क्र. ४ ची पूर्तता करून घ्यावी व तसा इकडेस अहवाल सादर करावा.

प्रतिलिपी :- मंडळाधिकारी संगमनेर, धारगाव, डोळासणे, पिंपरणे यांचेकडेस माहितीसाठी
 प्रतिलिपी :- वनपरिक्षेत्र अधिकारी संगमनेर भाग १ ता. संगमनेर यांचेकडेस माहितीसाठी
 प्रतिलिपी :- वनपरिक्षेत्र अधिकारी संगमनेर भाग २ ता. संगमनेर यांचेकडेस माहितीसाठी


 उपविभागीय अधिकारी
 संगमनेर भाग संगमनेर

1017



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

Project Implementation Unit, Nashik.

"Subodh House", S.No. 911/2, Plot No-4, Behind Toyota Showroom
Off. Mumbai Agra Highway, Nashik-422009 (MAHARASHTRA)

Telefax : 0253 - 2372

e-mail: nashik@nhai.

NHAI/PIU/NSK/KS/2013/331

2nd December, 2013

To,

Range Forest Officer,
Sinnar, District: Nashik.

Sub: NHAI-PIU-NSK - Widening of existing 2 lane carriageway to 4/6 lane divided carriageway configuration **Khed - Sinnar** (Km 42/000 - Km 177/000) stretch of Pune Nashik section of NH-50 in the State of Maharashtra - Tree cutting permission for Schedule Trees in Sinnar Tehsil - Reg.

Ref.: Your office letter No. B/Trees/1329/2013-14, Dtd. 01.11.2013.

Sir,

Vide reference above, tree cutting permission has been issued for infringing trees within proposed toe lines of widened c/s on subjected stretch in Nashik District. Tree cutting permission for following schedule trees has been issued and validity of the same expires on 30/11/2013:

- | | | |
|-------------|---|---------|
| 1. Tamarind | - | 28 Nos. |
| 2. Kinjal | - | 2 Nos. |
| Total | - | 30 Nos. |

2. Due to labour shortage and harvesting season, there is acute shortage of labour, due to which cutting of trees has not been commenced yet.

In view of the above, it is requested to extend the Validity Period of Tree Cutting permission for further one month period.

Thanking you,

Received
by 4/12

Yours faithfully,


(P.G. Khodaskar)
GM(T), Project Director
PIU, Nashik

(330) 30.11.2013 - KS - Tree cutting - Range Forest Officer, Sinnar

OK

वर्णन :- १) प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक.यांचे कडील पत्र क्रमांक ३०८६
दिनांक ३१.१०.२०१३

नमुना क्र. २

महाराष्ट्र झाडे तोडण्याबाबत महाराष्ट्र फेलिंग ऑफ ट्रीज (रेगव्लेशन) अॅक्ट १९६४ व सन १९८९
च्या महाराष्ट्र अॅक्ट क्र. २६ ने केलेली सुधारणा अन्वये परवानगी आदेश.

आदेश

जा.क्र. ब/वृक्ष ७३२९/२०१३-१४

सिन्नर, दिनांक ०१/११/२०१३

प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक जि. नाशिक (यात यापुढे ज्यांना प्रतिग्रहित म्हणून संबोधण्यात आले आहे.) यास महाराष्ट्र झाडे तोडण्याबाबत महाराष्ट्र फेलिंग ऑफ ट्रीज (रेगव्लेशन) अॅक्ट १९६४ व सन १९८९ च्या महाराष्ट्र अॅक्ट क्र. २६ ने केलेली सुधारणा अन्वये खालील तक्र्यात वर्णन केलेली झाडे तोडण्यास पुढील शर्तीस अधीन राहून परवानगी देण्यात येत आहे. ती शर्त अशी की, या परवानगी नुसार झाडे तोडल्यामुळे कोणत्याही व्यक्तीच्या मालमत्तेच्या झालेल्या कोणत्याही हानी दाखल नुकसान भरपाई भरण्यास किंवा झाडांच्या मालकी बाबत कोणताही वाद/ न्यायालयीन वादनिर्माण झाल्यास या बाबतीत प्रतीग्रहीत सदर वादाचे निराकरण करणेस पात्र व जबाबदार असेल, ही परवानगी ज्या तारखेला देण्यात आली त्या तारखेपासुन ३० (तीस) दिवसाच्या कालावधीत वैध राहिल.

जमिनीचे वर्णन		तक्ता	झाडांचे वर्णन
तालुका	:- सिन्नर		वनझाडे व फळ झाडे
गाव	:- पुणे - नाशिक राष्ट्रीय महामार्ग क्र. ५०		चिंच-२८
गट नंबर	:- कि.मी. ४२/०० ते १७७/००		किंजळ-०२
पोट हिस्सा	:- --		एकुण झाडे -३०
क्षेत्र	:- --		(सोबत गांविहाययादी जोडली आहे)

झाडे तोडल्यानंतर प्रतीग्रहीता यांनी त्याच जातीची तितकीच झाडे लावली पाहीजे.
हा आदेश आज दिनांक ०१-११-२०१३ रोजी माझ्या सही व शिक्क्यानिशी देण्यात आला.


वृक्ष अधिकारी

तथा

वनपरिक्षेत्र अधिकारी

सिन्नर (प्रादेशिक)

प्रति - प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण नाशिक

प्रति - वनपाल नांदूरशिगोटे. व वनपाल सिन्नर

२/- परवानगी पेक्षा जास्त झाडे तोडली जाणार नाही याची दक्षता घ्यावी. तसेच मुदतीत झाडे तोड झालेली आहे काय याची खात्री करावी. अर्जदार यांचे कडून नविन झाडे लावणेबाबतचे हमीपत्र घेऊन त्यांना झाडे लावणे बाबत सुचित करावे.

प्रतिलिपी - म. उप वनसंरक्षक पश्चिम भाग नाशिक यांना माहीतीसाठी सविनय सादर.

1019



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

Project Implementation Unit, Nashik.

"Subodh House", S.No. 911/2, Plot No-4, Behind Toyota Showroom

Off. Mumbai Agra Highway, Nashik-422009 (MAHARASHTRA)

Telefax : 0253 - 2372800

e-mail : nashik@nhai.org

No. NHAI/PIU/NSK/KS/2013/3086

31st October, 2013

To,

Range Forest Officer,
Sinnar, Dist. Nashik.

Sub: NHAI-PIU-NSK - Widening of existing 2 lane carriageway to 4/6 lane divided carriageway configuration Khed – Sinnar (Km 42/000 – Km 177/000) stretch of Pune Nashik section of NH-50 in the State of Maharashtra – **Widening of NH-50 – Tree cutting permission for schedule trees – Reg.**

Sir,

Khed – Sinnar section of NH-50 is main connectivity between South and North India and that's why Govt. of India has envisaged Delhi-Mumbai Industrial Corridor (DMIC) along this section in Maharashtra. Govt of Maharashtra declared Golden triangle project for Mumbai-Pune-Nashik and this stretch is one arm of Golden triangle. This stretch passes through 3 Districts viz. Pune, Ahmednagar and Nashik Districts.

2. Subjected work of four laning of NH-50 is awarded to M/s Khed – Sinnar Expressway Ltd. and Agreement has been signed on 08.05.2013. As per Concession Agreement, work is to be started on 04.11.2013. In Nashik District, following trees falls in PROW and needs to be cut down for four laning of subjected stretch. New trees will be planted along road side in lieu of cut down trees. The details of villagewise trees to be cut down are as under:

Table: Village wise list of trees to be cut down in Sinnar Tehsil

Sr. No.	Village	Total trees
1.	Dutta Nagar	13
2.	Dhondveer Nagar	125
3.	Dodi Budruk	139
4.	Dodi Khurd	42
5.	Gonde	220
6.	Gurewadi	29
7.	Musalgaon	32
8.	Nandur Shingote	310
9.	Shivaji Nagar	129
	Total	1039

Received
at 31-10-13
31-10-13

3. It is requested to issue permission for cutting schedule trees as per prevailing Act, at the earliest.

Thanking you.

Encl: List of trees.

Yours faithfully

(P.D. Khodaskar)
GM(T) & Project Director
PIU, Nashik

o/c

For

Sangamner Part-I

S. No.	Village Name	Tree species														Total No. of Trees																	
		बामल (किंकर)	बामल (विलायती)	बोर	पिच	मिर्चिरी	मिरपुडी	लिंब	सईल	वड	नाडुपकी	आम्बा	बादाम	कजड	कैल		शेंदरी	शेंदगा	उबर	खेजडी	जोडुल	झाड	सीताफल	कारज	पिपल	शीम	सितर	मुलमोहर	महालक	आडू, लिंब	पारस		
1	Malwadi	217	5	5	6	1	0	15	8	77	30	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	370
2	Bota	90	1	0	0	0	2	5	13	64	74	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	
3	Ghargaon	119	3	4	6	1	0	51	2	4	1	0	2	1	1	2	2	5	0	1	0	0	0	0	0	0	0	0	0	0	0	205	
4	Aambi Khalsa	47	4	4	1	1	0	13	0	2	0	0	0	0	0	0	3	0	1	1	1	0	0	0	0	0	0	0	0	0	78		
5	Khandarmal	96	3	18	0	0	0	13	25	9	25	0	0	0	0	18	0	1	0	0	0	0	2	12	0	0	0	0	0	0	222		
6	Bombalwadi	36	1	0	0	0	0	2	1	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	44		
7	Doisane	96	6	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	113		
8	Karjule Pathar	63	4	6	0	0	0	0	0	13	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	87		
9	Gunjalwadi Pathar	70	2	4	0	0	0	19	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	5	2	0	0	0	108		
10	Gabanwadi	55	5	4	2	0	0	44	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	114		
11	Chandanapuri	24	0	5	32	0	0	29	0	0	0	7	1	0	0	10	1	0	0	1	0	0	1	0	0	5	0	0	0	0	116		
12	Hivargao Pavasa	29	4	11	11	0	0	64	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	126		
13	Rayatewadi	2	0	1	0	0	0	12	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	17		
14	Sangamner Khurd	7	2	1	28	0	0	7	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	47		
	TOTAL	951	40	66	87	3	2	274	50	171	130	18	3	3	1	32	6	9	1	3	2	1	5	13	5	9	12	0	0	0	0		

Sangamner Part-II

S. No.	Village Name	Tree species														Total No. of Trees																
		बामल (किंकर)	बामल (विलायती)	बोर	पिच	मिर्चिरी	मिरपुडी	लिंब	सईल	वड	नाडुपकी	आम्बा	बादाम	कजड	कैल		शेंदरी	शेंदगा	उबर	खेजडी	जोडुल	झाड	सीताफल	कारज	पिपल	शीम	सितर	मुलमोहर	महालक	आडू, लिंब	पारस	
1	Ghulewadi	31	1	10	0	8	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	176
2	Gunjalwadi	24	0	0	0	0	0	23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
3	Whelhal	76	10	7	1	2	0	117	0	1	0	0	3	0	0	6	0	0	0	0	0	0	5	1	8	2	3	0	0	0	242	
4	Saykhindi	15	4	4	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	66	
5	Karhe	16	0	0	0	0	0	16	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	42	
6	Pulsekheda	9	0	0	1	0	0	43	0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	62
	TOTAL	171	15	21	2	10	0	309	0	10	0	3	0	0	6	0	0	0	0	0	0	0	14	2	8	7	4	2	2	0	0	



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

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"Subodh House", S.No. 911/2, Plot No-4, Behind Toyota Showroom

Off. Mumbai Agra Highway, Nashik-422009 (MAHARASHTRA)

Telefax : 0253 - 2372800

e-mail : nashik@nhai.org

No. NHA/PIU/NSK/KS/2013/2972

21st October, 2013

To,

Tahsildar / RFO Sinner
Sinnar, Dist. Nashik.

Sub: NHA-PIU-NSK - Widening of existing 2 lane carriageway to 4/6 lane divided carriageway configuration **Khed – Sinnar** (Km 42/000 – Km 177/000) stretch of Pune Nashik section of NH-50 in the State of Maharashtra – **Widening of NH-50 – Tree cutting permission – Reg.**

Sir,

Khed – Sinnar section of NH-50 is main connectivity between South and North India and that's why Govt. of India has envisaged Delhi-Mumbai Industrial Corridor (DMIC) along this section in Maharashtra. Govt of Maharashtra declared Golden triangle project for Mumbai-Pune-Nashik and this stretch is one arm of Golden triangle. This stretch passes through 3 Districts viz. Pune, Ahmednagar and Nashik Districts.

2. Subjected work of four laning of NH-50 is awarded to M/s Khed – Sinnar Expressway Ltd. and Agreement has been signed on 08.05.2013. As per Concession Agreement, work is to be started on 04.11.2013. In Nashik District, following trees falls in PROW and needs to be cut down for four laning of subjected stretch. New trees will be planted along road side in lieu of cut down trees. The details of villagewise trees to be cut down are as under:

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7.	Musalgaon	32
8.	Nandur Shingote	310
9.	Shivaji Nagar	129
	Total	1039

3. It is requested to issue permission for cutting trees as per prevailing Act, at the earliest.

Thanking you.

Encl: List of trees.

Yours faithfully

(P.D. Khodaskar)

GM(T) & Project Director
PIU, Nashik

Nasik

Sl No.	Village Name	Tree species																Total No. of Trees							
		बायल (किकर)	बोर	चिंच	निलगिरी	लिंब	वूड	शेवरी	कारज	पिंपल	शीशम	महालक	पारस	फिरंगी	शबरी	किजल	चेरी		नारियल	करदे	कांद	शेर	आपटे		
1	Dattanagar	6	0	1	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	13
2	Dhondveer Nagar	85	0	0	1	31	0	0	0	1	0	0	0	5	0	1	1	0	0	0	0	0	0	0	125
3	Dodi Budruk	20	2	0	0	88	8	1	4	0	0	9	2	0	0	0	0	2	0	0	0	0	0	0	139
4	Dodi Khurd	23	3	2	0	8	0	2	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	42
5	Gonde	75	4	19	1	78	2	13	0	2	0	7	12	4	0	0	3	0	0	0	0	0	0	0	220
6	Gurewadi	18	0	1	0	8	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	29
7	Musalgaon	20	1	3	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
8	Nandur Shingote	47	1	0	0	132	45	0	22	1	1	0	44	6	0	0	0	0	1	1	1	5	4	310	
9	Shivajinagar	3	1	2	0	84	0	9	0	3	0	22	5	0	0	0	0	0	0	0	0	0	0	0	129
	TOTAL	297	12	28	2	441	56	25	26	7	1	48	64	12	1	2	4	2	1	1	1	5	4	1039	

वनपरिक्षेत्र अधिकारी सिन्नर (प्रादेशिक) यांचे कार्यालय, सिन्नर.
नाशिक - पूणे रोड, सिन्नर. जि. नाशिक (४२२१०३) दूरध्वनी क्र. - ०२५५१ - २२०२४४

पत्र

विषय : पुणे-नाशिक रा.म.क्र. ५०

ते ४२/०० ते १७७/००० या लांबीतील

एन एच डी पी - केस IV-B चे

चौपदरीकरणांतर्गत हद्दीत

येणारी झाडे तोडणेबाबत....

जावक क्र. अ/वृक्षतोड/१३२७/सन १३-१४

सिन्नर. दिनांक ३१/१०/२०१३.

प्रति, ✓

प्रकल्प संचालक,

भारतीय राष्ट्रीय राजमार्ग,

प्राधिकरण, सुबोध हाऊस,

मुंबई/नाशिक.

संदर्भ : आपले कार्यालयाचे पत्र क्र. एन.एच.ए.आय/एन एस के/२९७२
दि. २१/१०/२०१३

उपरोक्त संदर्भिय पत्रान्वये पुणे - नाशिक वरील रा.म.क्र. ५० वरील
किमी ४२/०० ते १७७/०० किमी या रस्त्याच्या दोन्ही बाजूने येणारी बिगर
अनुसुचित १००९ झाडे तोडीची परवानगी मा. तहसिलदार सिन्नर यांचेकडून प्राप्त
करून घेणेची असून त्याबाबतचा ना हरकत दाखला व झाडांची यादी यासोबत
जोडून सादर केली आहे. तसेच अनुसुचित किंजळ २ व चिंच २८ झाडे या
प्रकरणी, वृक्षतोडीचा अर्ज आपणाकडून प्राप्त झालेनंतर रितसर वृक्ष तोडीची
परवानगी या कार्यालयाकडून देणेत येईल.

वनपरिक्षेत्र अधिकारी
सिन्नर (प्रादेशिक)

प्रत - मा. तहसिलदार सिन्नर यांना माहितीकामी सविनय सादर.

May-111

N. H. A. I. (PIU) NASHIK	
Inward No.:	8094
Date:	31/10/13.
Filed in:	NH-50
Sign.	08/11

1024

ना हरकत दाखला

पुणे नाशिक राष्ट्रीय महामार्ग क्र. ५० कि.मी. वरील ४२/०० ते १७७/०० या लांबीतील चौपदरीकरणान्तर्गत राष्ट्रीय महामार्गाच्या रस्त्याच्या हद्दीत येणारी बिगर अनुसूचित १००९ झाडे तोडीस परवानगी देणेस या कार्यालयाची हरकत नाही.

दिनांक : ३१/१०/२०१३

ठिकाण : सिन्नर


वनपरिक्षेत्र अधिकारी
सिन्नर (प्रादेशिक)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

Project Implementation Unit, Nashik.

"Subodh House", S.No. 911/2, Plot No-4, Behind Toyota Showroom
Off. Mumbai Agra Highway, Nashik-422009 (MAHARASHTRA)

No. NHAI/PIU/NSK/KS/2013/2885

23rd October, 2013

To,

M/S Khed-Sinnar Expressway Ltd,

The IL&FS Financial Center,

Plot No. C-22, G Block,

Bandra Curia complex,

Mumbai-51.

Sub: NHAI-PIU-NSK- widening of existing 2 lane carriageway to 4/6 lane divided carriageway configuration Khed – Sinnar (Km 42/000 – Km 177/000) stretch of Pune Nashik NH-50 in the State of Maharashtra on DBFOT basis – **Cutting of roadside infringing trees – Consent sought – Reg.**

Ref: 1. T/o Lr. No. NHAI/PIU/NSK/KS/2012/598, Dtd. 09.10.2013.
2. Range Forest Officer, Sinnar Lr. No. 1263/2013-14, Dtd. 15.10.2013.

Sir,

Based on this office letter cited under ref. 1 above, Forest Department submitted enumeration and valuation of standing infringing trees within proposed toe lines of widened c/s on subjected stretch in Nashik District. Range Forest Officer, Sinnar submitted valuation of standing trees falling under PROW of NH-50 in Nashik District vide ref 2 above. The summary of standing tree valuation is tabulated below:

Sr. No.	Valuation Authority	Nos of trees	Valuation Amount in Rs
1	Range Forest Officer, Sinnar	488	40,135.00
Total			40,135.00

2. As per practice in vogue and in the project interest, it is requested to convey your consent to own, cut and dispose it off (with due permission of statutory bodies, Forest dept. for transit passes) so that this office will process the case for needful approval from Competent Authority in NHAI.

Thanking you,

Encl. : Ref.2 above.

Yours faithfully,

(P. G. Khodaskar)
GM(T), Project Director
PIU, Nashik

1027

Forest

वनपरिक्षेत्र अधिकारी सिन्नर (प्रादेशिक) यांचे कार्यालय, सिन्नर.
शक - पूणे रोड, सिन्नर. जि. नाशिक (४२२१०३) दूरध्वनी क्र. - ०२५५१ - २२०२४४

विषय : भारतीय राष्ट्रीय राजमार्ग क्र.५० खेड -सिन्नर विभाग
(कि.मी.१५७.१००ते कि.मी.१७७.०००)४/६ पदरी रस्ता
रूंदीकरण संपादित होणा-या जागेवरील फळझाडे व
वनझाडे यांचे मुल्यांकन पाठविणेबाबत.

जावक क्र. कक्ष ३/जमिन/वसं/१२६३/१३-१४
सिन्नर. दिनांक १८/१०/२०१३

प्रती,

मा. उपवनसंरक्षक,
प.भाग, नाशिक

संदर्भ : १) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण यांचे कडील पत्र क्रं ५९८ दिनांक १/१०/२०१३
२) आपले कार्यालयाचे पत्र क्र. कक्ष -३/जमिन/वसं/४९१० दिनांक १५/१०/२०१३

उपरोक्त संदर्भिय पत्रान्वये सिन्नर - खेड रस्ता रूंदीकरणामध्ये (कि.मी.१५७.१००ते
कि.मी.१७७.०००)४/६ पदरी रस्ता रूंदीकरण संपादित होणा-या जागेवरील फळझाडे व वनझाडे यांचे मुल्यांकन
करणे बाबत सुचित केले होते त्या अनुषंगाने यंत्रणेने दर्शविलेल्या एकुण ४८८ झाडांचे मुल्यांकन करून मुल्यांकन
तक्ता या सोबत जोडून सादर करण्यात येत आहे.
माहितीकामी सविनय सादर.

सहपत्र - वरील प्रमाणे

शुद्धी/१५/१५
वनपरिक्षेत्र अधिकारी
सिन्नर (प्रादेशिक)

मा.सहाय्यक वनसंरक्षक (रोहयो)पश्चिम भाग नाशिक यांचे माफत सविनय सादर.

प्रतीलिपि - प्रकल्प संचालक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,सुबोध हाऊस, सर्व्हे नंबर १११/२
प्लॉट नंबर ४ टोयटो शां रुम, मुंबई - आग्रा हायवे नाशिक यांना माहितीकामी सविनय सादर.

Bommur
वनपरिक्षेत्र अधिकारी
(प्रादेशिक) सिन्नर.

Moyr-III

N. H. A. I. (PIU) NASHIK	
Inward No.:	7735
Date:	19/10/2013
Filed in:	
Sign.	<i>21/11</i>

अ.क्र.	गट नं.	कब्जेदाराचे नांव	गांवाचे नांव	झाडांची प्रजाती	वेढी	किंमत	शेरा
१	४४६	श्री. रामदास बाबुराव आव्हाड	दोडी बु	बोर	०.७०	१५४.००	
२	२८८	श्री नामदेव बाळू जायभावे	गोंदे	निम	१.००	५०१.००	
३				निम	०.७०	१५४.००	
४				निम	०.५५	१४५.००	
५				निम	०.६०	१४५.००	
६				विलायती चिंच	१.२०	८४८.००	
७				बेल	०.३५	८८.००	
८				बेल	०.४०	८८.००	
९				निम	०.४५	८८.००	
१०				निम	०.८०	२७७.००	
११				बोर	१.२५	१३२५.००	
१२				बोर	२.००	३००९.००	
१३				पिंपळ	२.००	३००९.००	
१४				निम	०.९०	५०१.००	
१५				उंबर	१.००	५०१.००	
१६				निम	०.९५	५०१.००	
१७	२८८	श्री. सुदाम नामदेव जायभावे	गोंदे	निम	१.००	५०१.००	
१८				निम	०.७०	१५४.००	
१९				निम	०.७०	१५४.००	
२०				निम	०.९५	५०१.००	
२१	२८८	श्री तुकाराम बाळूबा जायभावे	गोंदे	निम	१.४०	१९४१.००	
२२				पिंपळ	२.५५	३००९.००	
२३	२८८	श्री रामनाथ बाळूबा जायभावे	गोंदे	निम	१.००	५०१.००	
२४				निम	०.८५	५०१.००	
२५				पिंपळ	१.६०	३००९.००	
२६				निम	०.७०	१५४.००	
२७	५४२	श्री श्रीपद काशीनाथ तांबे	गोंदे	आंबा	०.७०	१५४.००	
२८				आंबा	०.७०	१५४.००	
२९	५४२	श्री सारंगधर काशीनाथ तांबे	गोंदे	आंबा	०.५५	१४५.००	
३०	११	श्रीमती ठकुबाई लक्ष्मण एरंडे	घुरेवाडी	चिंच	१.००	५०१.००	
३१				निम	०.७०	१५४.००	
३२				निम	०.९०	५०१.००	
३३	१०	श्री भिमराव माधव लांडोळे	घुरेवाडी	निम	०.३५	८८.००	
३४				आंबा	०.३५	८८.००	
३५	८	श्री म्हसू सहादु सोनवणे	घुरेवाडी	निम	०.८०	२७७.००	
३६	२४६	श्री. सुर्यभान धोर्डीबा शिंदे	धोंडविरनगर	चिंच	१.५०	३००९.००	



ANNEXURE-2 1030

Shankar Ramchandra Earthmovers Pvt. Ltd.

Corporate Office : Survey No. 40, Sairang Building, Above PMC Ward Office, Kothrud, Pune - 411 038.

Tel : 020 - 25381899 • Email : sreplindia@gmail.com • CIN : U45102MH1994PTC081442 • GSTIN : 27AACCS3382E1ZF

Ref. No. SREPL/NH-60/Khed-Sinnar/07/034

Date: 19.07.2024

To,
General Manager (T) &
Project Director,
NHAI, (PIU),
Pune,

Sub: Design and Construction using thin white topping (TWT) including routine maintenance and balance works from 42 km to km 179.946 (total length 137.946 km) in the state of Maharashtra as standalone project on EPC mode (NH-60) - **Regarding Submission of Program towards construction of Rain Water Harvesting.**

Ref: 1. (LOA) – No. NHAI/Tech/MH/Khed-Sinnar/EPC/TWT/2024/3024 dt. 15.03.24

2. Contract Agreement signed on 10-05-2024.

3. Appointed Date letter no. NHAI/Tech/MH/Khed-Sinnar/EPC/TWT/2024/3089 dated. 10-06-2024.

4. NHAI Letter No. NHAI/PIU/Pune/KS/SREPL/2024/2189 Dated: 01.07.2024

Dear Sir,

With reference to above mentioned subject and references and as per clause no. 10 of Concession Agreement, we are submitting herewith work program towards construction of 230 Nos. Rainwater Harvesting for the captioned project.

This is for your information and for further appropriate action

Yours Truly,

For M/s Shankar Ramchandra Earthmover Pvt. Ltd.

Authorised Signatory



Encl.: 1) As above work program for Rainwater Harvesting

✓ CC: 1) SAICPL JV with UPHAM International Corporation In Association with, CDF Infra Con Pvt. Ltd., Manchar, Pune, for Information

**Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946
(Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode**

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit-01	20-07-2024	23-07-2024	3	20-07-2024
RWH_Unit-02	20-07-2024	23-07-2024	3	21-07-2024
RWH_Unit-03	20-07-2024	23-07-2024	3	22-07-2024
RWH_Unit-04	23-07-2024	26-07-2024	3	23-07-2024
RWH_Unit-05	23-07-2024	26-07-2024	3	24-07-2024
RWH_Unit-06	23-07-2024	26-07-2024	3	25-07-2024
RWH_Unit-07	26-07-2024	29-07-2024	3	26-07-2024
RWH_Unit-08	26-07-2024	29-07-2024	3	27-07-2024
RWH_Unit-09	26-07-2024	29-07-2024	3	28-07-2024
RWH_Unit-10	29-07-2024	01-08-2024	3	29-07-2024
RWH_Unit-11	29-07-2024	01-08-2024	3	30-07-2024
RWH_Unit-12	29-07-2024	01-08-2024	3	31-07-2024
RWH_Unit-13	01-08-2024	04-08-2024	3	01-08-2024
RWH_Unit-14	01-08-2024	04-08-2024	3	02-08-2024
RWH_Unit-15	01-08-2024	04-08-2024	3	03-08-2024
RWH_Unit-16	04-08-2024	07-08-2024	3	04-08-2024
RWH_Unit-17	04-08-2024	07-08-2024	3	05-08-2024
RWH_Unit-18	04-08-2024	07-08-2024	3	06-08-2024
RWH_Unit-19	07-08-2024	10-08-2024	3	07-08-2024
RWH_Unit-20	07-08-2024	10-08-2024	3	08-08-2024
RWH_Unit-21	07-08-2024	10-08-2024	3	09-08-2024
RWH_Unit-22	10-08-2024	13-08-2024	3	10-08-2024
RWH_Unit-23	10-08-2024	13-08-2024	3	11-08-2024
RWH_Unit-24	10-08-2024	13-08-2024	3	12-08-2024
RWH_Unit-25	13-08-2024	16-08-2024	3	13-08-2024
RWH_Unit-26	13-08-2024	16-08-2024	3	14-08-2024
RWH_Unit-27	13-08-2024	16-08-2024	3	15-08-2024
RWH_Unit-28	16-08-2024	19-08-2024	3	16-08-2024
RWH_Unit-29	16-08-2024	19-08-2024	3	17-08-2024
RWH_Unit-30	16-08-2024	19-08-2024	3	18-08-2024
RWH_Unit-31	19-08-2024	22-08-2024	3	19-08-2024
RWH_Unit-32	19-08-2024	22-08-2024	3	20-08-2024
RWH_Unit-33	19-08-2024	22-08-2024	3	21-08-2024
RWH_Unit-34	22-08-2024	25-08-2024	3	22-08-2024
RWH_Unit-35	22-08-2024	25-08-2024	3	23-08-2024
				24-08-2024
				25-08-2024
				26-08-2024
				27-08-2024
				28-08-2024
				29-08-2024
				30-08-2024
				31-08-2024
				01-09-2024
				02-09-2024
				03-09-2024
				04-09-2024
				05-09-2024
				06-09-2024
				07-09-2024
				08-09-2024
				09-09-2024
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Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946 (Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit -36	22-08-2024	25-08-2024	3	20-07-2024
RWH_Unit -37	25-08-2024	28-08-2024	3	23-07-2024
RWH_Unit -38	25-08-2024	28-08-2024	3	26-07-2024
RWH_Unit -39	25-08-2024	28-08-2024	3	29-07-2024
RWH_Unit -40	28-08-2024	31-08-2024	3	01-08-2024
RWH_Unit -41	28-08-2024	31-08-2024	3	04-08-2024
RWH_Unit -42	28-08-2024	31-08-2024	3	07-08-2024
RWH_Unit -43	31-08-2024	03-09-2024	3	10-08-2024
RWH_Unit -44	31-08-2024	03-09-2024	3	13-08-2024
RWH_Unit -45	31-08-2024	03-09-2024	3	16-08-2024
RWH_Unit -46	03-09-2024	06-09-2024	3	19-08-2024
RWH_Unit -47	03-09-2024	06-09-2024	3	22-08-2024
RWH_Unit -48	03-09-2024	06-09-2024	3	25-08-2024
RWH_Unit -49	06-09-2024	09-09-2024	3	28-08-2024
RWH_Unit -50	06-09-2024	09-09-2024	3	31-08-2024
RWH_Unit -51	06-09-2024	09-09-2024	3	03-09-2024
RWH_Unit -52	09-09-2024	12-09-2024	3	06-09-2024
RWH_Unit -53	09-09-2024	12-09-2024	3	09-09-2024
RWH_Unit -54	09-09-2024	12-09-2024	3	12-09-2024
RWH_Unit -55	12-09-2024	15-09-2024	3	15-09-2024
RWH_Unit -56	12-09-2024	15-09-2024	3	18-09-2024
RWH_Unit -57	12-09-2024	15-09-2024	3	21-09-2024
RWH_Unit -58	15-09-2024	18-09-2024	3	24-09-2024
RWH_Unit -59	15-09-2024	18-09-2024	3	27-09-2024
RWH_Unit -60	15-09-2024	18-09-2024	3	30-09-2024
RWH_Unit -61	18-09-2024	21-09-2024	3	01-10-2024
RWH_Unit -62	18-09-2024	21-09-2024	3	04-10-2024
RWH_Unit -63	18-09-2024	21-09-2024	3	07-10-2024
RWH_Unit -64	21-09-2024	24-09-2024	3	10-10-2024
RWH_Unit -65	21-09-2024	24-09-2024	3	13-10-2024
RWH_Unit -66	21-09-2024	24-09-2024	3	16-10-2024
RWH_Unit -67	24-09-2024	27-09-2024	3	19-10-2024
RWH_Unit -68	24-09-2024	27-09-2024	3	22-10-2024
RWH_Unit -69	24-09-2024	27-09-2024	3	25-10-2024
RWH_Unit -70	27-09-2024	30-09-2024	3	28-10-2024
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Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946 (Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit -71	27-09-2024	30-09-2024	3	20-07-2024
RWH_Unit -72	27-09-2024	30-09-2024	3	23-07-2024
RWH_Unit -73	30-09-2024	03-10-2024	3	26-07-2024
RWH_Unit -74	30-09-2024	03-10-2024	3	29-07-2024
RWH_Unit -75	30-09-2024	03-10-2024	3	31-07-2024
RWH_Unit -76	03-10-2024	06-10-2024	3	01-08-2024
RWH_Unit -77	03-10-2024	06-10-2024	3	04-08-2024
RWH_Unit -78	03-10-2024	06-10-2024	3	07-08-2024
RWH_Unit -79	06-10-2024	09-10-2024	3	10-08-2024
RWH_Unit -80	06-10-2024	09-10-2024	3	13-08-2024
RWH_Unit -81	06-10-2024	09-10-2024	3	16-08-2024
RWH_Unit -82	09-10-2024	12-10-2024	3	19-08-2024
RWH_Unit -83	09-10-2024	12-10-2024	3	22-08-2024
RWH_Unit -84	09-10-2024	12-10-2024	3	25-08-2024
RWH_Unit -85	12-10-2024	15-10-2024	3	28-08-2024
RWH_Unit -86	12-10-2024	15-10-2024	3	31-08-2024
RWH_Unit -87	12-10-2024	15-10-2024	3	03-09-2024
RWH_Unit -88	15-10-2024	18-10-2024	3	06-09-2024
RWH_Unit -89	15-10-2024	18-10-2024	3	09-09-2024
RWH_Unit -90	15-10-2024	18-10-2024	3	12-09-2024
RWH_Unit -91	18-10-2024	21-10-2024	3	15-09-2024
RWH_Unit -92	18-10-2024	21-10-2024	3	18-09-2024
RWH_Unit -93	18-10-2024	21-10-2024	3	21-09-2024
RWH_Unit -94	21-10-2024	24-10-2024	3	24-09-2024
RWH_Unit -95	21-10-2024	24-10-2024	3	27-09-2024
RWH_Unit -96	21-10-2024	24-10-2024	3	30-09-2024
RWH_Unit -97	24-10-2024	27-10-2024	3	03-10-2024
RWH_Unit -98	24-10-2024	27-10-2024	3	06-10-2024
RWH_Unit -99	24-10-2024	27-10-2024	3	09-10-2024
RWH_Unit -100	27-10-2024	30-10-2024	3	12-10-2024
RWH_Unit -101	27-10-2024	30-10-2024	3	15-10-2024
RWH_Unit -102	27-10-2024	30-10-2024	3	18-10-2024
RWH_Unit -103	30-10-2024	02-11-2024	3	21-10-2024
RWH_Unit -104	30-10-2024	02-11-2024	3	24-10-2024
RWH_Unit -105	30-10-2024	02-11-2024	3	27-10-2024



Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946 (Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit-106	02-11-2024	05-11-2024	3	29-03-2025
RWH_Unit-107	02-11-2024	05-11-2024	3	26-03-2025
RWH_Unit-108	02-11-2024	05-11-2024	3	23-03-2025
RWH_Unit-109	05-11-2024	08-11-2024	3	20-03-2025
RWH_Unit-110	05-11-2024	08-11-2024	3	17-03-2025
RWH_Unit-111	05-11-2024	08-11-2024	3	14-03-2025
RWH_Unit-112	08-11-2024	11-11-2024	3	11-03-2025
RWH_Unit-113	08-11-2024	11-11-2024	3	08-03-2025
RWH_Unit-114	08-11-2024	11-11-2024	3	05-03-2025
RWH_Unit-115	11-11-2024	14-11-2024	3	02-03-2025
RWH_Unit-116	11-11-2024	14-11-2024	3	27-02-2025
RWH_Unit-117	11-11-2024	14-11-2024	3	24-02-2025
RWH_Unit-118	14-11-2024	17-11-2024	3	21-02-2025
RWH_Unit-119	14-11-2024	17-11-2024	3	18-02-2025
RWH_Unit-120	14-11-2024	17-11-2024	3	15-02-2025
RWH_Unit-121	17-11-2024	20-11-2024	3	12-02-2025
RWH_Unit-122	17-11-2024	20-11-2024	3	09-02-2025
RWH_Unit-123	17-11-2024	20-11-2024	3	06-02-2025
RWH_Unit-124	20-11-2024	23-11-2024	3	03-02-2025
RWH_Unit-125	20-11-2024	23-11-2024	3	31-01-2025
RWH_Unit-126	20-11-2024	23-11-2024	3	28-01-2025
RWH_Unit-127	23-11-2024	26-11-2024	3	25-01-2025
RWH_Unit-128	23-11-2024	26-11-2024	3	22-01-2025
RWH_Unit-129	23-11-2024	26-11-2024	3	19-01-2025
RWH_Unit-130	26-11-2024	29-11-2024	3	16-01-2025
RWH_Unit-131	26-11-2024	29-11-2024	3	13-01-2025
RWH_Unit-132	26-11-2024	29-11-2024	3	10-01-2025
RWH_Unit-133	29-11-2024	02-12-2024	3	07-01-2025
RWH_Unit-134	29-11-2024	02-12-2024	3	04-01-2025
RWH_Unit-135	29-11-2024	02-12-2024	3	01-01-2025
RWH_Unit-136	02-12-2024	05-12-2024	3	29-12-2024
RWH_Unit-137	02-12-2024	05-12-2024	3	26-12-2024
RWH_Unit-138	02-12-2024	05-12-2024	3	23-12-2024
RWH_Unit-139	05-12-2024	08-12-2024	3	20-12-2024
RWH_Unit-140	05-12-2024	08-12-2024	3	17-12-2024
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**Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946
(Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode**

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit -141	05-12-2024	08-12-2024	3	20-07-2024
RWH_Unit -142	08-12-2024	11-12-2024	3	23-07-2024
RWH_Unit -143	08-12-2024	11-12-2024	3	26-07-2024
RWH_Unit -144	08-12-2024	11-12-2024	3	29-07-2024
RWH_Unit -145	11-12-2024	14-12-2024	3	01-08-2024
RWH_Unit -146	11-12-2024	14-12-2024	3	04-08-2024
RWH_Unit -147	11-12-2024	14-12-2024	3	07-08-2024
RWH_Unit -148	14-12-2024	17-12-2024	3	10-08-2024
RWH_Unit -149	14-12-2024	17-12-2024	3	13-08-2024
RWH_Unit -150	14-12-2024	17-12-2024	3	16-08-2024
RWH_Unit -151	17-12-2024	20-12-2024	3	19-08-2024
RWH_Unit -152	17-12-2024	20-12-2024	3	22-08-2024
RWH_Unit -153	17-12-2024	20-12-2024	3	25-08-2024
RWH_Unit -154	20-12-2024	23-12-2024	3	28-08-2024
RWH_Unit -155	20-12-2024	23-12-2024	3	31-08-2024
RWH_Unit -156	20-12-2024	23-12-2024	3	03-09-2024
RWH_Unit -157	23-12-2024	26-12-2024	3	06-09-2024
RWH_Unit -158	23-12-2024	26-12-2024	3	09-09-2024
RWH_Unit -159	23-12-2024	26-12-2024	3	12-09-2024
RWH_Unit -160	26-12-2024	29-12-2024	3	15-09-2024
RWH_Unit -161	26-12-2024	29-12-2024	3	18-09-2024
RWH_Unit -162	26-12-2024	29-12-2024	3	21-09-2024
RWH_Unit -163	29-12-2024	01-01-2025	3	24-09-2024
RWH_Unit -164	29-12-2024	01-01-2025	3	27-09-2024
RWH_Unit -165	29-12-2024	01-01-2025	3	30-09-2024
RWH_Unit -166	01-01-2025	04-01-2025	3	03-10-2024
RWH_Unit -167	01-01-2025	04-01-2025	3	06-10-2024
RWH_Unit -168	01-01-2025	04-01-2025	3	09-10-2024
RWH_Unit -169	04-01-2025	07-01-2025	3	12-10-2024
RWH_Unit -170	04-01-2025	07-01-2025	3	15-10-2024
RWH_Unit -171	04-01-2025	07-01-2025	3	18-10-2024
RWH_Unit -172	07-01-2025	10-01-2025	3	21-10-2024
RWH_Unit -173	07-01-2025	10-01-2025	3	24-10-2024
RWH_Unit -174	07-01-2025	10-01-2025	3	27-10-2024
RWH_Unit -175	10-01-2025	13-01-2025	3	30-10-2024
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Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946 (Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode

PLANNING FOR RAINWATER HARVESTING (230 NOS)

Date

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS
RWH_Unit-176	10-01-2025	13-01-2025	3
RWH_Unit-177	10-01-2025	13-01-2025	3
RWH_Unit-178	13-01-2025	16-01-2025	3
RWH_Unit-179	13-01-2025	16-01-2025	3
RWH_Unit-180	13-01-2025	16-01-2025	3
RWH_Unit-181	16-01-2025	19-01-2025	3
RWH_Unit-182	16-01-2025	19-01-2025	3
RWH_Unit-183	16-01-2025	19-01-2025	3
RWH_Unit-184	19-01-2025	22-01-2025	3
RWH_Unit-185	19-01-2025	22-01-2025	3
RWH_Unit-186	19-01-2025	22-01-2025	3
RWH_Unit-187	22-01-2025	25-01-2025	3
RWH_Unit-188	22-01-2025	25-01-2025	3
RWH_Unit-189	22-01-2025	25-01-2025	3
RWH_Unit-190	25-01-2025	28-01-2025	3
RWH_Unit-191	25-01-2025	28-01-2025	3
RWH_Unit-192	25-01-2025	28-01-2025	3
RWH_Unit-193	28-01-2025	31-01-2025	3
RWH_Unit-194	28-01-2025	31-01-2025	3
RWH_Unit-195	28-01-2025	31-01-2025	3
RWH_Unit-196	31-01-2025	03-02-2025	3
RWH_Unit-197	31-01-2025	03-02-2025	3
RWH_Unit-198	31-01-2025	03-02-2025	3
RWH_Unit-199	03-02-2025	06-02-2025	3
RWH_Unit-200	03-02-2025	06-02-2025	3
RWH_Unit-201	03-02-2025	06-02-2025	3
RWH_Unit-202	06-02-2025	09-02-2025	3
RWH_Unit-203	06-02-2025	09-02-2025	3
RWH_Unit-204	06-02-2025	09-02-2025	3
RWH_Unit-205	09-02-2025	12-02-2025	3
RWH_Unit-206	09-02-2025	12-02-2025	3
RWH_Unit-207	09-02-2025	12-02-2025	3
RWH_Unit-208	12-02-2025	15-02-2025	3
RWH_Unit-209	12-02-2025	15-02-2025	3
RWH_Unit-210	12-02-2025	15-02-2025	3



Design & Construction using Thin White Topping (TWT) including routine maintenance & balance works of Khed Sinnar section from Km. 42.000 to Km. 179.946
(Total Length - 137.946 Km) of NH 60 in the State of Maharashtra as Standalone project on EPC Mode

PLANNING FOR RAINWATER HARVESTING (230 NOS)

ACTIVITY	PLAN START DATE	PLAN END DATE	NO. OF DAYS	Date
RWH_Unit -211	15-02-2025	18-02-2025	3	20-07-2024
RWH_Unit -212	15-02-2025	18-02-2025	3	26-07-2024
RWH_Unit -213	15-02-2025	18-02-2025	3	29-07-2024
RWH_Unit -214	18-02-2025	21-02-2025	3	01-08-2024
RWH_Unit -215	18-02-2025	21-02-2025	3	04-08-2024
RWH_Unit -216	18-02-2025	21-02-2025	3	07-08-2024
RWH_Unit -217	21-02-2025	24-02-2025	3	10-08-2024
RWH_Unit -218	21-02-2025	24-02-2025	3	13-08-2024
RWH_Unit -219	21-02-2025	24-02-2025	3	16-08-2024
RWH_Unit -220	24-02-2025	27-02-2025	3	19-08-2024
RWH_Unit -221	24-02-2025	27-02-2025	3	22-08-2024
RWH_Unit -222	24-02-2025	27-02-2025	3	25-08-2024
RWH_Unit -223	27-02-2025	02-03-2025	3	28-08-2024
RWH_Unit -224	27-02-2025	02-03-2025	3	31-08-2024
RWH_Unit -225	27-02-2025	02-03-2025	3	03-09-2024
RWH_Unit -226	02-03-2025	05-03-2025	3	06-09-2024
RWH_Unit -227	02-03-2025	05-03-2025	3	09-09-2024
RWH_Unit -228	02-03-2025	05-03-2025	3	12-09-2024
RWH_Unit -229	05-03-2025	08-03-2025	3	15-09-2024
RWH_Unit -230	05-03-2025	08-03-2025	3	18-09-2024
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ANNEXURE-3 1038

Joint Site Visit Report of the Committee Comprising of Members of Wildlife Institute of India, NHAI and PCCF, Maharashtra, regarding compliance with the NGT Order about Wild Life Crossings on Khed-Sinnar NH 60

This complies with the Hon'ble NGT Order Dated 10.04.2024 in application number 40 of 2020 (WZ) for a site visit by the joint committee of **Wildlife Institute of India, NHAI and PCCF, Maharashtra**. The committee as constituted by the NGT visited the site on 22.06.2024 to assess the wildlife mitigation measures proposed on the Khed Sinnar section of NH-60. The following officers accompanied the committee members during the visit.

Forest Department, Government of Maharashtra:

1. Mr. Rishikesh Ranjan, CCF(T), Nashik- Committee Member
2. Mrs. Suvarna Mane, DCF Ahmednagar
3. Mr. Amol Satpute, DCF Junnar
4. Mr. S A Patil, ACF Sangamner

NHAI:

1. Mr. Sanjay S Kadam, Project Director- Committee Member
2. Mr. Suresh Kumar, Joint Advisor, Env & Plantation
3. Mr Abhijeet Aute, Manager(T)
4. Mr. Ankit Yadav, Dy. Manager(T)
5. Sh. Dilip Shinde, TL, Supervision Consultant

Wildlife Institute of India

1. Dr. Bilal Habib- Committee Member

Mr. Ganesh Suresh Borhade, the applicant also accompanied the team during the site visit on 22.06.2024.

The committee members along with other staff visited all the sites as mentioned in the Hon'ble NGT order. At each location, committee members discussed the possibility of Animal crossing, species in the landscape and the usefulness of the crossing structure to enhance the permeability of the landscape for wildlife. The committee members also discussed the long-term feasibility of the proposed structures keeping in view the conflict issues in the state. The site-wise recommendation of the committee is given below:

The recommendations of the Joint committee are as follows :

S. No.	Location	Recommendations of Joint Committee based on site visit dated 22.06.2024
1.	Malwadi(99+900)	The committee is in agreement with the size of the structure and the location as recommended by the joint committee site visit on 2 nd September 2023. The proposed structure shall be 4m in height and

7m in width. In addition, after the completion of the structure, necessary light and sound barrier should be provided on the structure.

There is an existing bridge of span 23.7 m at chainage 101.6. This bridge can also be improved to enhance the use by the wildlife. The light and sound barriers should be provided on this structure.

**2 Khandarmalwadi
(113+500)**

At chainage 113+500, the earlier committee recommended box culvert of dimension 2m x 3m. The members of the committee discussed the location of the proposed culvert in detail. It was unanimously agreed by all the committee members that the location of the proposed culvert is not feasible for maintaining the long-term connectivity for the wildlife especially leopards in the landscape. The proposed structure is very close to human habitation and is very flat on both the sides. Over the time the structure will be rendered useless and will also result in the possibility of the conflict.

The committee members decided to construct an overpass of 10 m width at chainage 113+300. The overpass should be provided with light and sound barrier. The landscapes around the overpass should be managed in such a way which allows easy access to the wildlife. There should be no option of human use.

**3 Dolasane
(121+158)**

At chainage 121+158, the joint visit conducted on 02.09.2023 recommended the replacement of two pipe culverts with a box culvert of 2m x 3 m. The feasibility of the replacement of the existing pipe culvert of 2 x 1000mm by 2m x 3m box culvert was discussed in detail during the site visit. The terrain is flat on both the sides and the location is close to habitation.

Considering the location of the pipe culvert, the committee members decided to retain the structure as such. There is no need to provide a box culvert at this site.

**4 Chandanapuri-
Javalewasti
134.400**

At chainage 134+400 the NHAI has already constructed the box culvert of 3m x 4m. In addition to this structure the joint committee on 2.09.2023 proposed the structure of 2 m x 3m in the vicinity of this location. The committee members discussed



the location with respect to village and the topography of the area.

The committee members recommended to improve the existing minor bridge at location 134.200 (Span $19.8 \times 3 = 59.4$ m) and recommended the light and sound barrier along the bridge to enhance its efficacy for the wildlife use. The bridge offers natural crossing and there is no need of an additional structure in this area.

5 Velhale
(154+916)

At chainage 154+926, NHAI has already constructed the box culvert of 2.7 m x 3m. Considering the location of the existing underpass and the landscape around, the committee opined that the structure is not going to be used by the wildlife.

The committee members recommended to improve the existing bridge at location 155+475 (Span = 10 m) and recommended the light and sound barrier along the bridge to enhance its efficacy for the wildlife use. The bridge offers natural crossing and there is no need of an additional structure in this area.

6 Karhe Ghat
157+150

The committee recommended additional overpass of 10 m at chainage 157+150. The location offers an excellent opportunity to connect the wildlife across the road. Considering the topography and the surrounding forest area, this locations is the most feasible to provide overpass for the movement of the animals. The committee discussed this in detail and recommended the structure.

General Recommendations:

1. The landscape around the underpasses and overpasses should be managed in such a way as to enhance the use by the wildlife.
2. The structure should not be open for public use.
3. The forest department should issue the permits for the construction of the wildlife mitigation measures as soon as the recommendations are accepted by the Hon'ble NGT.
4. The committee member of the NHAI has raised objections regarding the construction of the overpasses for the wildlife owing to additional financial burden.



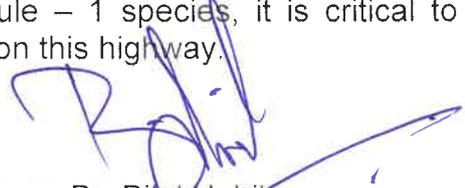
5. Considering the impact of the upgradation of the highway on the wildlife especially leopards, the other committee members insisted about the constructions of the overpasses on this highway. The mitigation measures are critical for long-term conservation of the wildlife in the landscape. From 2016 when this highway was upgraded from 2 to 4 lane, 24 leopards have been killed in road accidents on this highway and during last three years 2021 - 2024, 15 leopards have met with accidents on this highway (Sangamner Range 1). Considering the number of deaths of schedule – 1 species, it is critical to implement the proposed mitigation measures on this highway.



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Mr. Sanjay S Kadam
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Committee Member



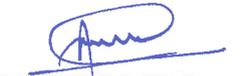
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