



END LINE ASSESSMENT REPORT FOR TREE PLANTATION AT NASHIK HIGHWAY

2022



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1. Introduction

YES BANK has become the first private sector player to enter into a Corporate Social Responsibility (CSR) commitment with the National Highways Authority of India (NHAI) under its '**Adopt a Green Highway**' program. The 'Adopt a Green Highway' program is an initiative of the **National Green Highways Mission** (NGHM) under NHAI. Through this partnership, YES BANK is committed to developing green corridors along Mumbai-Nashik-Pimpalgaon Highway, approx. identified **40 KM** from Pimpalgaon to Igatpuri except Nashik city.

This report is the **End line assessment** report of year 2022 for verification of report submitted for 40Km of identified stretch from Pimpalgaon- Igatpuri national highway (NH-3). As part of verification, number of newly planted trees/shrubs and species in right of way (ROW) both on right and left side were assessed. Filed observation like height of plant, girth of plant, distance from road and embankment, distance between ROW and Plants, encroachments in ROW, damaged tree guard, damaged plants were conducted.

2. Survey Methodology

Visual field survey of trees/shrubs along both side of highway (avenue) and median was conducted between **Date 09/03/2022 to 24/03/2022** by field team consists of taxonomists and filed investigators. The entire member were trained and having more than five years of working experience in nursery/plantation.

3. Objective

1. To verify the report from Plantation agency Harit Path
 - a. To verify total number of newly planted tree on LHS, RHS and Median
 - b. To find out any damaged tree guards if any
 - c. To find out any damaged plant if any

- d. To find out distance of plant from road and embankment
- e. To find out distance between plants and Row
- f. To find out drip irrigation system for median if any
- g. To find out Watering schedules for plant

4. Analysis and Findings

Results and findings are presented for every 100-meter Chainage for both avenue and median plantation. In avenue plantation, findings were presented for left hand side (LHS) and right hand side (RHS) of surveyed highway.

4.1 Number of Newly Planted Tree/shrubs

Avenue Plantation

Chainage	No of Planted Tree by Harith Path
	Exicon field finding
380-440(LHS)	4852
380-440(RHS)	5956
Total Plantation	10808

Median Plantation

No New Plants have been planted in median. The number were found same as previous one. Trimming and cutting of median were well observed and still ongoing process.

Chainage	No of Newly Planted Tree by Harith Path
	Exicon field finding
380-440	682
Total Plantation (only newly Planted)	682

Below are some picture evidence showing Median.

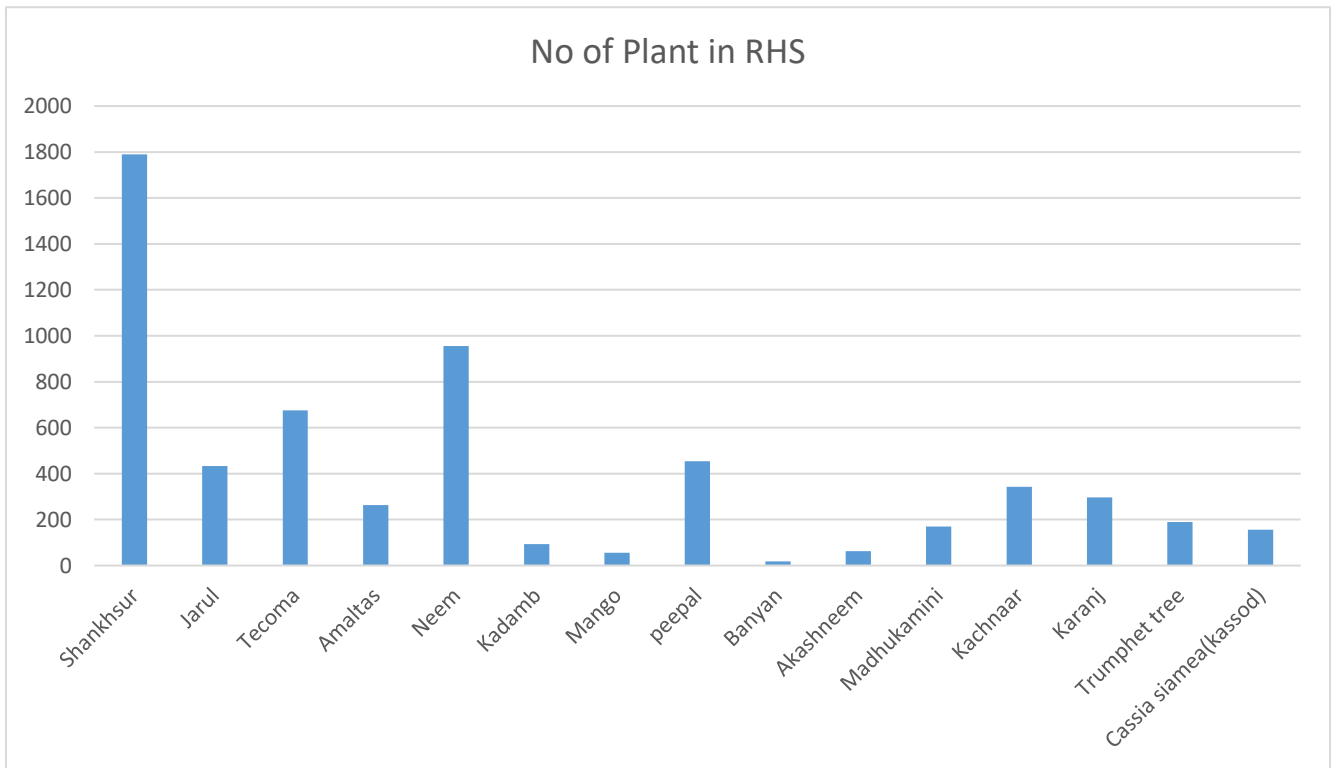
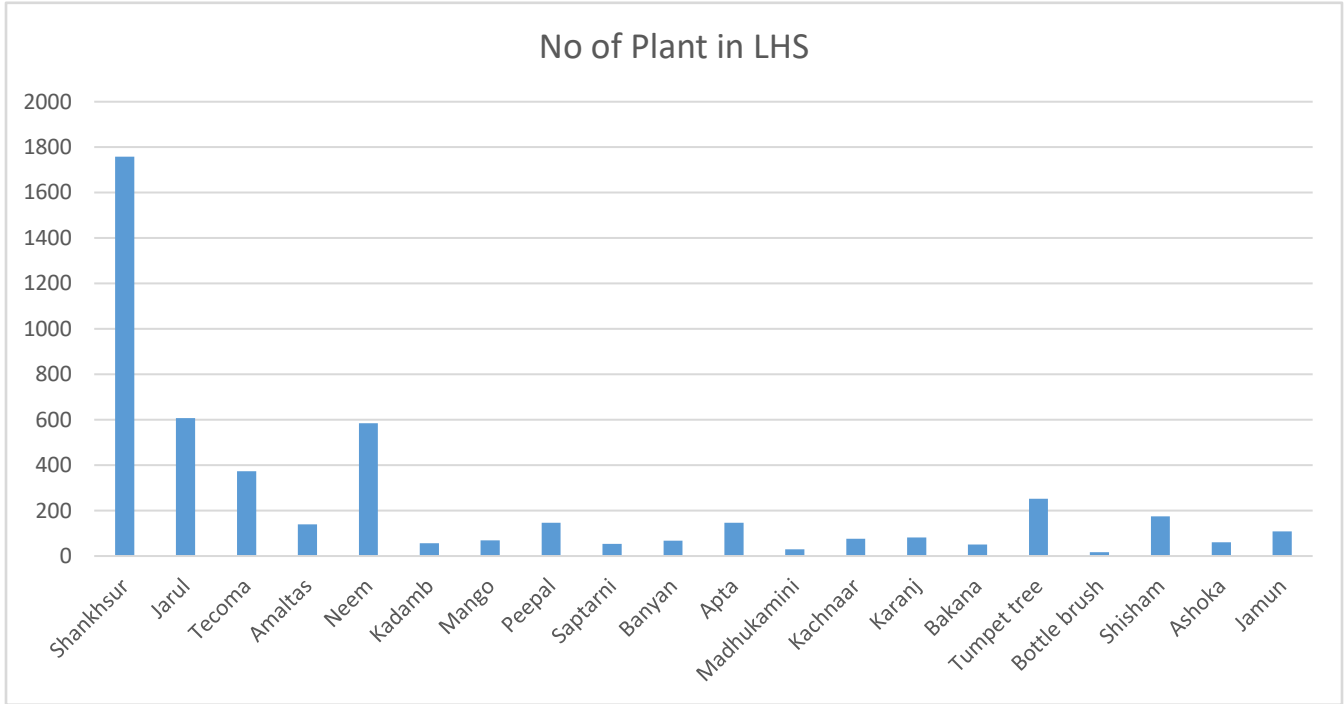


4.2 Species of trees at Avenue Plantation – Left Hand Side (LHS) and Right Hand Side (RHS)

Name of Tree	Scientific Name	No. of Planted (LHS)	No. of Planted (RHS)
Shankasur	Caesalpinia Phulcherim	1758	1790
Jarul	Longerstromia Speciosa	607	433
Tikoma	Tecoma stans	373	676
Amaltas	Cassia fistula	139	263
Neem	Azadirachta indica	584	953
Kadamb	Anthocephalus cadamba	56	93
Mango	Mangifera indica	69	55
Peepal	Ficus religiosa	147	454
Saptarni		54	0
Banyan	Ficus benghalensis	67	18
Apta	N/A	147	0
Akashneem	Milingtonia hortensis	0	62
Madhukamini	N/A	30	170
Kachnaar	Bauhinea Variegata	76	343
Karanj	Pongamia pinnata	82	297
Bakana	N/A	51	0
Trumpet Tree	Tabubea rosea	252	190
Sheshum		174	0
Bottle Brush	N/A	17	0
(kassod)	Cassia siamea	0	156
Ashoka		61	0
Jamun		108	0
Total		4852	5956
Grand Total		10808	

Note: The Number of tree are presented after field survey done by Exicon Social Team

Graphic representation of no of tree present at Left Hand Side & Right-Hand Side



4.3 No of Plant Chainage wise(LHS)

LHS(Left Hand Side)		
From	To	No. of Plant
380	381	342
381	382	271
382	383	127
383	384	213
384	385	180
385	393	106
393	394	0
394	395	293
395	396	91
396	397	0
397	403	301
403	404	208
404	405	267
405	406	198
426	428	144
428	433	81
433	434	437
434	435	639
435	436	341
436	437	188
437	438	119
438	439	306
439	440	0
TOTAL		4852

4.4 No of Plant Chainage wise (RHS)

RHS(Right Hand side)		
From	To	No. of Plant
380	381	195
381	382	132
382	383	66
383	384	64
384	385	51
385	393	90
393	394	114
394	395	298
395	396	594
396	397	44
397	403	230
403	404	0
404	405	148
405	406	315
426	427	320
427	430	269
430	431	272
431	432	109
432	433	356
433	434	345
434	435	371
435	436	347
436	437	567
437	438	279
438	439	380
439	440	0
TOTAL		5956

4.5 No. of Plant (Median)

Chainage Details	Name of Plant	Number
380.00-406.00	Kaner, Bougainvillae, Tecoma,	16254
426.00-440.00	Kaneri	10568
TOTAL		26822

4.6 Details of Encroachment – in ROW of Left Hand Side

Chainage (KM)		Encroachment Type	Partial / No Plantation
380.1	380.2	Hotel	Total- No plantation
382.2	382.5	Restaurant	Total- No plantation
382.6	382.8	Restaurant	Partial
383.1	383.6	Hotel, Garage, Shop	Total- No plantation
383.9	384.0	Shop	Total- No plantation
385.0	386.0	Shop	Total- No plantation
386.0	387.0	Shop	Total- No plantation
387.0	388.0	Hotel, Garage, Shop	Total- No plantation
388.0	389.0	Private Property	Total- No plantation
389.0	390.0	Private Property	Total- No plantation
391.5	392.7	Agriculture Field and shop	Total- No plantation
396.0	397.0	Private Property	Total- No plantation
397.0	398.0	Structural Work	Total- No plantation
398..0	399.0	Structural Work	Total- No plantation
400.1	400.8	Private Property	Total- No plantation
401.6	402.0	Hotel & Private Property	Partial
402.3	402.5	Private Property	Partial
403.0	403.1	Hotel	Partial
403.5	404.6	Private Property	Partial
405.1	405.2	Private Property, Hotel	Partial
405.2	405.3	Private Property	Total- No plantation
405.4	405.6	Garage	Total- No plantation
426.0	426.6	Private Property	Total- No plantation
428.1	428.2	Private Property	Partial
428.4	428.7	Hotel, Shop	Partial
428.9	429.0	Hotel, Private Property	Partial
429.0	429.1	Private Property	Partial
429.3	431.6	Hotel, Private Property and Agriculture Field	Partial

432.0	433.0	Private Property	Partial
437.9	438.8	Private Property	Partial
439.0	440.0	Hotel & Private Property	Partial

4.7 Details of Encroachment Areas – in ROW of Right Hand Side

Chainage (KM)		Encroachment Type	Partial / No Plantation
380.3	380.5	hotel	Partial
380.7	380.9	Agriculture field	Total- No Plantation
381	381.8	Private Property	Partial
382.3	382.6	hotel	Partial
382.9	383.1	Hotel	Partial
383	383.1	Agriculture field	Total- No Plantation
383.3	384	Private Property	Partial
385.0	386.0	Structural work	Total- No Plantation
391.3	392	Private Property	Partial
396.0	399.0	Structural work	Total- No Plantation
400.2	400.3	Private Property	Partial
400.7	400.9	Hotel and Private Property	Total- No Plantation
401	401.1	Temple	Partial
401.4	401.5	Private Property	Partial
401.9	402	Hotel	Partial
402	402.1	Hotel	Partial
402.8	403	Private Property	Partial
404.6	404.7	Hotel and Garage	Total- No Plantation

405	405.2	Hotel and Garage	Total- No Plantation
405.5	405.7	Garage	Total- No Plantation
405.8	406	Garage	Total- No Plantation
427.6	427.9	Private Property	Partial
428.1	428.2	Shops, hotel	Total- No Plantation
428.6	428.7	shop	Partial
432.5	433	Agriculture field	Total- No Plantation
433.9	434	Private Property	Total- No Plantation
434.5	434.9	Agriculture field	Total- No Plantation
434.6	434.8	Agriculture field	Total- No Plantation
436.1	436.2	Agriculture field	Total- No Plantation
436.4	436.5	Private Property	Partial
437	437.2	Hotel	Partial
439.1	440	Agriculture field	Total- No Plantation

4.8 Tree Condition

There are total 315 plants on Left hand side and 456 plants on Right hand side reported to be dead. Tree guard found were not in good shape also they were negligible in number.

SIDE	Dead Tree	Alive Tree	Total Tree	Survival Rate
LHS	358	4494	4852	92.62
RHS	594	5362	5956	90.02
Total	952	9856	10808	91.19

Dead Plants



Picture evidence showing Avenue Plantation



4.9 Survival Rate of Plants

Year Audit- 2019-2020		Plantation Details								
		Planted By Haith Path		Pre-existing Plant						
	Total No of Plant In avenue LHS+RHS	Total no of Plant in Median	Total No of Plant In avenue LHS+RHS	Total no of Plant in Median	Grand Total	Dead	Missin g tree Guard with tree	Total Dead Plant	Alive	Survival rate
	A	B	C	D	A+B+C +D	E	F	E+F	G	$((G/(A+B+C +D))*100$
1st qtr Report	10612	685	4763	26140	42200	366	444	810	41390	98.08
2nd Qtr Report	9926	251	4763	26140	41080	234	827	1061	40019	97.42
3rd Qtr Report	9912	251	4763	26140	41066	263	752	1015	40051	97.53
4th Qtr report	9386	251	4763	26140	40540	1151	169	1320	39220	96.74

Year Audit- 2021-22		Plantation Details							
		Planted By Haith Path		Pre-existing Plant					
	Total No of Plant In avenue LHS+RHS	Total no of Plant in Median	Total No of Plant In avenue LHS+RHS	Total no of Plant in Median	Grand Total	Dead	Alive	Survival rate	
	A	B	C	D	A+B+C +D	E	F	$((F/(A+B+C +D))*100$	
1st qtr Report	9607	367	4763	26140	40877	28	40849	99.99	
2nd qtr Report	10134	485	4763	26140	41522	709	40813	98.29	
3rd qtr Report	10591	682	4763	26140	42176	771	41405	98.17	
ENDLINE ASSESSMENT	10808	682	4763	26140	42393	952	41441	97.75	

4.10 Watering Schedule

During the survey, we found only one tanker watering for Avenue Plantation. As Discussed with Field Staff (Supervisor) of harith Path (Karan & Rajesh) frequency of water tanker has been reduced since March is ending so as the contract with the harith path.

4.11 Unique Identification Number

During this Visit, the number of Unique Identification Number written on plant were found same as last report i.e negligible number only (40-50) of Unique Identification number written on tree guards were found. All unique identification number either were torn apart or does not exist anymore.

4.12 Distance of plants from Embankment and Median

	1st Row	2nd Row	3rd Row
Average Distance from Embankment	2 Meter	3 Meter from Subsequent row	6 Meter from Subsequent Row
Average Distance from Median	15 meter	3 Meter from Subsequent row	3 Meter from Subsequent Row

Distance of Plants from Embankment and Median in case of Multiple Row

	1st Row	2nd Row	3rd Row	4th Row	5th Row	6th Row
Average Distance from Embankment	2 Meter	3 Meter from Subsequent row	3 Meter from Subsequent Row	3 Meter from Subsequent Row	3 Meter from Subsequent Row	6 Meter from Subsequent Row
Average Distance from Median	15 meter	3 Meter from Subsequent row	3 Meter from Subsequent Row	3 Meter from Subsequent Row	3 Meter from Subsequent Row	6 Meter from Subsequent Row

4.13 Distance between Plants

	1 st Row	2 nd Row	3 rd Row
Av.Distance between plants	3 Meter	3 Meter	6 Meter
Av.Distance between Rows	1 st -2 nd Row=3 Meter 2 nd -3 rd Row= 6 Meter		

Distance between Plants in case of Multiple Row

	1 st Row	2 nd Row	3 rd Row	4 th Row	5 th Row	6 th Row
Av.Distance between plants	3 Meter	3 Meter	3 Meter	6 Meter	6 Meter	6 Meter
Av.Distance between Rows	1 st -2 nd Row=3 Meter 2 nd -3 rd Row= 6 Meter 3 rd -4 th Row=3 Meter 4 th -5 th Row= 3 meter 5 th - 6 th Row= 3 meter					

Note: 6th row has been observed only once spreading over 100 m only in LHS.

4.14 Drip irrigation system for median plantation

We have not observed any drip irrigation system for median plantation.

4.15 Yes Bank Branding

Yes Bank Branding were found same as previous condition.

4.16 Average Height & Girth of trees Species

Name of Tree	Scientific Name	Height in Ft	Girth in Cm
Shankasur	Caesalpinia Phulcherim	7-8	4-5
Jarul	Longerstromia Speciosa	8-10	6-7
Tikoma	Tecoma stans	6-8	3-4
Amaltas	Cassia fistula	8-9	4-5
Neem	Azadirachta indica	9-10	7-8
Kadamb	Anthocephalus cadamba	9-10	7-8
Mango	Mangifera indica	8-9	4-5
Peepal	Ficus religiosa	8-9	4-5
Saptarni		7-8	4-5
Banyan	Ficus benghalensis	8-9	6-8
Apta	N/A	7-8	7-8
Akashneem	Milingtonia hortensis	7-8	6-7
Madhukamini	N/A	6-7	4-5
Kachnaar	Bauhinea Variegata	7-8	6-7
Karanj	Pongamia pinnata	10-12	9-10
Bakana	N/A	10-12	8-9
Trumpet Tree	Tabubea rosea	12-14	9-10
Sheshum		10-12	8-9
Bottle Brush	N/A	10-12	8-9
(kassod)	Cassia siamea	10-12	8-9
Ashoka		10-12	8-10
Jamun		10-12	8-10

5.0 Test Reports

5.1 Air Testing

On identified stretch at one locations air quality sample was taken and air quality testing was done from NABL accredited lab of Mumbai for different parameters. Since constrain of power source available on highway, only one air sampling was done at pimplegaon side at toll plaze.

The following general procedures was followed:

- Air Sampling Record was completed detailing time of sampling, sampling interval, and signed by the person collecting the sample.
- Grab Sampling method was used in which air sample is taken for particular period of time
- After the sample was collected, air-sampling instrument was properly capped to prevent contamination.
- Sampled air has been sent to NABL Accreditations Laboratory for analysis

Results

Sr . No	Parameters	Unit	NAAC Standard	Result
1	Particulate Matter PM 10	µg/m ³	≤100	72.8
2	Particulate Matter PM 2.5	µg/m ³	≤60	38.4
3	Ozone O ₃	µg/m ³	≤180	18.0
4	Ammonia NH ₃	µg/m ³	≤400	28.1
5	Carbon Mono oxide CO	Mg/M ³	≤04	2.8

NAAC- National Ambient Air Quality Sample

All the results are within the limits.

Detail Report is attached as annexure.



Air Sampling Unit



Taking out Air Sample

5.2 Soil Testing

In total two samples of soil was collected from two different locations on identified stretch considering areas that differ in soil texture, soil color, and the kinds of plants grown.

Samples were collected using soil auger/spade. About 500 grams of soil was collected in each Sample and with systematic labelling these were transported to well-equipped lab of Mumbai by trained professional. All standard precautions were taken to prevent sample contamination and recommended sampling depth was ensured at all sites to get accurate test results.

Steps of sample collection followed

- Cleaning of any contaminating chemicals or dirt on surface level has been done using tools like spade.
- Removable of any dead plants, scrape mulch and leaf litter from the soil surface. Soil digging was done about 3 to 4 inches deep.
- Removal of dead roots, worm, rock etc. had been done carefully
- Soil sample (500 gram) has been taken into bag/container and sealed to prevent contamination of sample
- Total of 2 sample has been taken in identified stretch except Nasik city limit
- Each sample has been levelled with respective location and sent to NABL accredited laboratory for analysis.

Results

Sr .No	Parameters	Results 1 Pimplegaon side	Results 2 Gonde Side	Units
1	pH	7.78	8.14	-----
2	Magnesium	1422	612	mg/kg
3	Sodium	418	272	mg/kg
4	Potassium	332	236	mg/kg
5	Organic Matter	4.82	8.72	-----

Details Report is attached as annexure.

All the results are within the limits.



Cleaning and digging before taking soil



Taking soil sample

6.0 Analysis of report comparing Baseline Study

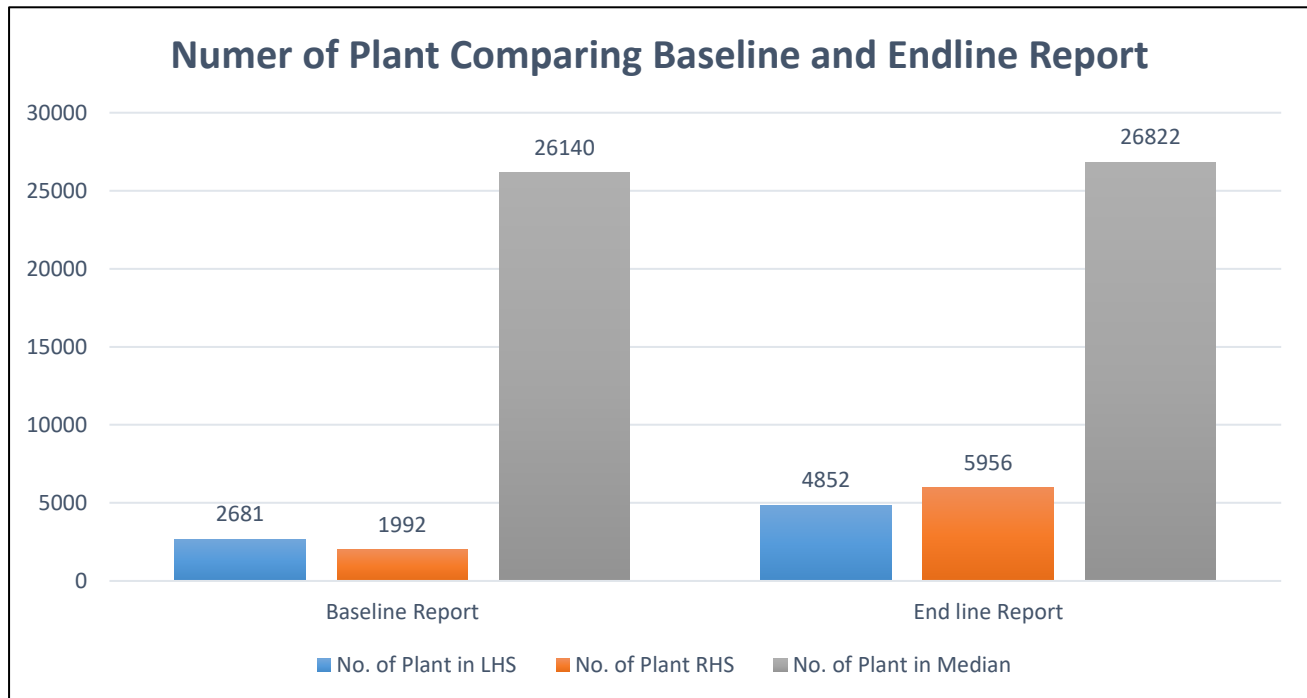
Baseline study was done in 2017 covering 40Km of Identified Stretch of Nashik Highway. This survey was done for the existing tree along with the Highway Report have been submitted.

End line Assessment was done in 2022 for the same. This survey was done only for the tree planted by Harith Path and not for the existing trees. Results for the same have been shared in this report.

Below is results comparing findings the outcome.

6.1 No of Avenue Plantation & Median Plantation

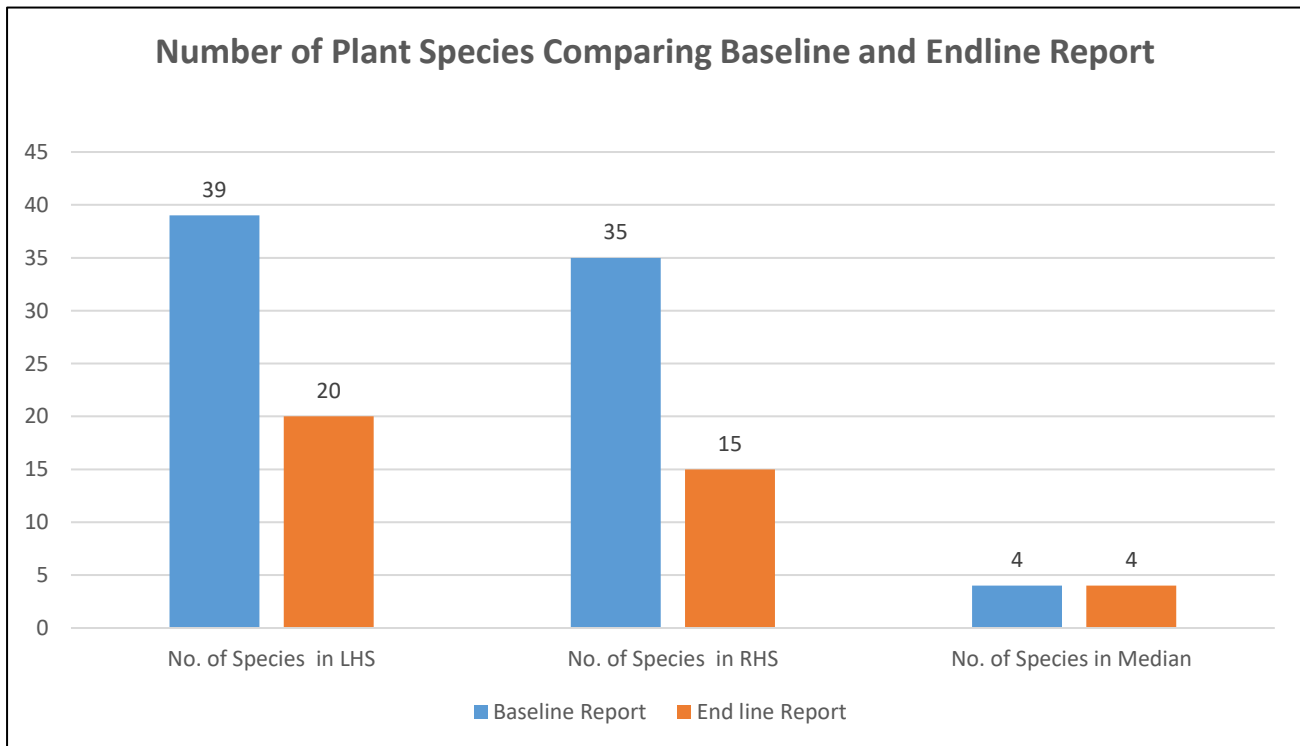
Particulars	Baseline Report	End line Report
No. of Plant in LHS	2681	4852
No. of Plant in RHS	1992	5956
No of Plant in Median	26140	26822



6.2 Plant Species

Particulars	Baseline Report	End line Report
No. of Species in LHS	39	20
No. of Species in RHS	35	15
No. of Species in Median	4	4

Plant Species are not unique and is repetitive along LHS, RHS and Median Side.



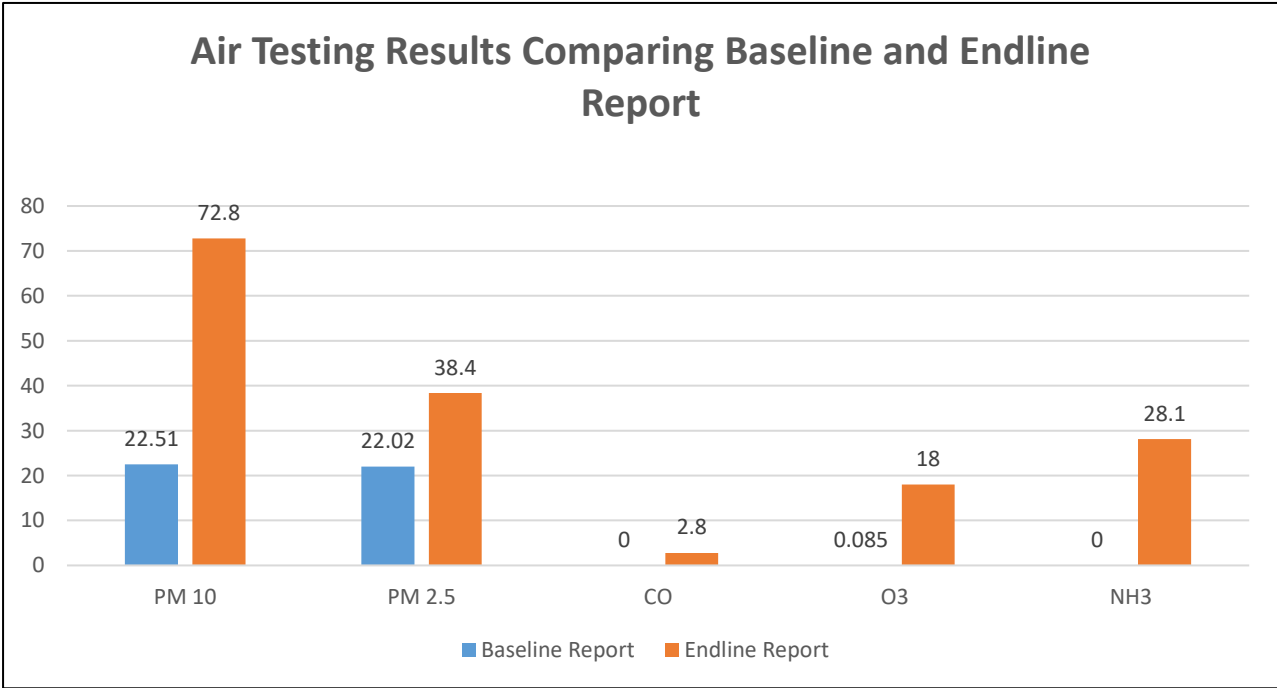
6.3 Air Test

In Baseline Study, Air testing conducted for two location whereas in end line report only one location for air testing have been done. This was due to the new norm of Air testing by National Ambient Air Quality, which require steady power supply, and was available only at toll plaza.

We have taken average of finding from two location for comparing it to the end line assessment report’s findings.

Below are the comparable results of findings.

Parameters	Baseline Report	End line Report
PM 10	22.51	72.8
PM 2.5	22.02	38.4
CO	Not Detected	2.8
O3	0.085	18
NH3	Not Detected	28.1



All the results are within Limits.

6.4 Soil Test

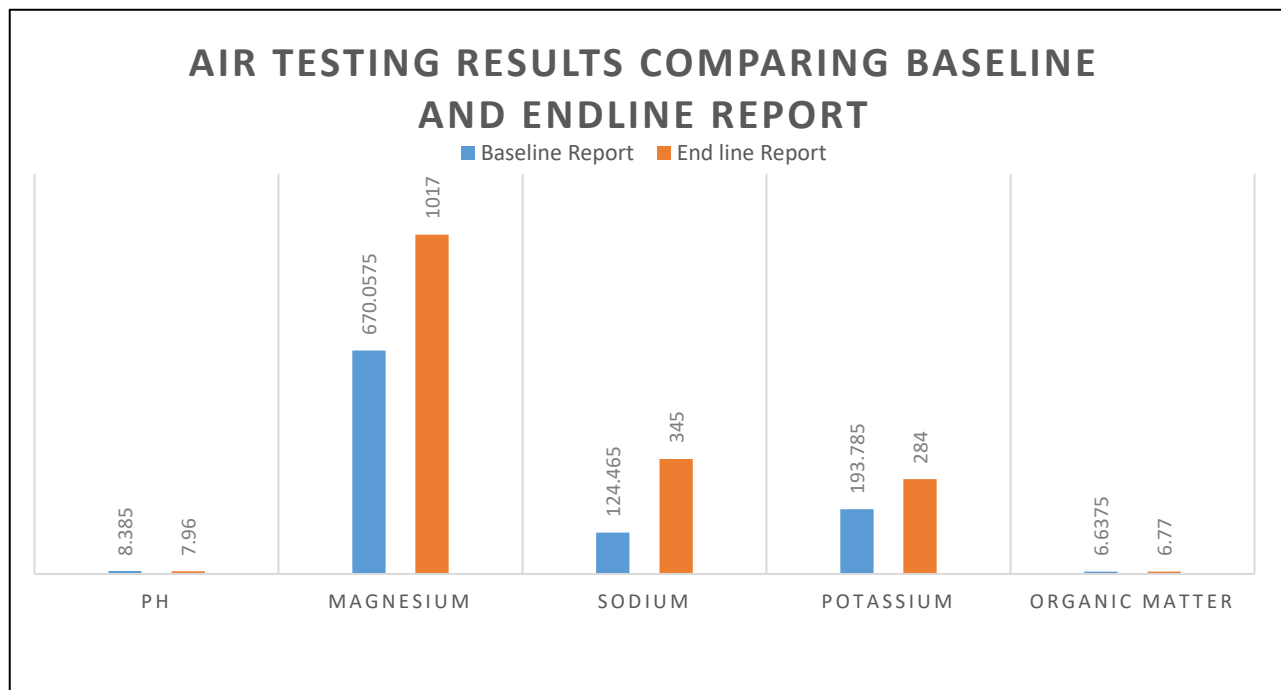
In Baseline Study, Soil Sampling have been taken from four location whereas in end line report two soil testing have been done. One from Pimplegaon side and other from Gonde side.

We have taken average of finding from four location for comparing it to the end line assessment report's findings.

Below are the comparable results of findings.

Parameters	Baseline Report	End line Report
pH	8.385	7.96
Magnesium	670.05	1017
Sodium	124.46	345
Potassium	193.78	284
Organic Matter	6.6375	6.77

All Parameter values has improved means soil condition has improved.



Annexure 1. Soil and Air Testing Report

Air Testing Report



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,
Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666
E-mail : envirosafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

GESEC

TEST REPORT					
Test Report No: -	GESEC/PRO/2022-23/04/61			Date	15/04/2022
Sample Code: -	GESEC/PRO/2022-23/04/61				
Name & Address of the Client	Client Name: M/s. Exicon Social Consulting Private Limited Address: B1-204, Kanakia Boomerang Building, Chandivali Farm Road, Andheri East, Mumbai – 400072.				
AAQM SAMPLE DETAILS					
Type	Location			Sampling done by	
Ambient	At Pimpalgaon Toll Naka			M/s. Perfect Pollucon Services, Thane	
Sampling Time					
Ambient Temperature °C	36.0	Wet Bulb Temperature °C	26.6		
Dry Bulb Temperature °C	36.0	Relative Humidity % RH	46		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
12/04/2022	13/04/2022	13/04/2022	15/04/2022		
Name of Instrument	PPS-01.1,01.2,01.3	Date of Calibration	31-05-2021		
Calibration Certificate No.	TECH/CAL/2021/05.4/1,2,3	Due Date of Calibration	30-05-2022		
Sample Test Details					
S. No	Parameters	Method	Unit	NAAQ Standards	Result
1.	Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/m ³	≤ 80	38.4
2.	Oxides of Nitrogen (NO ₂)	IS:5182 (PART 6):2018	µg/m ³	≤ 80	54.1
3.	Particulate Matter PM ₁₀	IS:5182 (PART 4):2019	µg/m ³	≤ 100	72.8
4.	Particulate Matter PM _{2.5}	IS:5182 (PART 24):2019	µg/m ³	≤ 60	38.4
5.	Ozone (O ₃) For 1 Hrs.	Method 411, Air Sampling and Analysis 3 rd Edition ,2013	µg/m ³	≤ 180	18.0
6.	Ammonia (NH ₃) For 24 Hrs.	Method 401, Air Sampling and Analysis 3 rd Edition ,2013	µg/m ³	≤ 400	28.1
7.	Carbon Monoxide (CO)	IS:5182 (PART 10):2019	mg/M ³	≤ 04	2.8
8.	Benzene (C ₆ H ₆)	IS:5182 (PART 11):2019	µg/M ³	≤ 05	BDL
9.	Benzo(a)Pyrene (BaP)	IS:5182 (PART 12):2019	ng/M ³	≤ 01	0.38
10.	Arsenic (As)	IS:5182 (PART 22):2019	ng/M ³	≤ 06	1.6
11.	Nickel (Ni)	IS:5182 (PART 26):2019	ng/M ³	≤ 20	2.2
12.	Lead (Pb)	IS:5182 (PART 22):2019	µg/M ³	1.00	0.62
Remark- > NAAQS-National Ambient Air Quality Standard BDL – Below Detectable Limit.					
Reviewed By-				Authorized By-	

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 16/12/2022.

Soil Testing Report from Pimple Gaon Side



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,
Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666
E-mail : envirosafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

GESEC

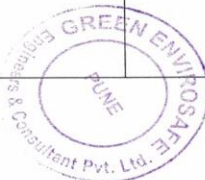
TEST CERTIFICATE

Report No: GESEC/PRO/2022-23/04/62		Date of Report	16/04/2022
Sample Code: GESEC/PRO/2022-23/04/62		Date of Sampling	12/04/2022
Client Name and Address: M/s. Exicon Social Consulting Private Limited B1-204, Kanakia Boomerang Building, Chandivali Farm Road, Andheri East, Mumbai – 400072.		Start Date of Analysis	13/04/2022
		End Date of Analysis	16/04/2022
		Sample Details	Soil
		Nature of sample	Pimpalgaon RHS 394-395 Solid
Sample Collected By		M/s. Perfect Pollucon Services, Thane	
Sr. No.	Parameter	Result	Unit
1	Sand	34.98	%
2	Silt	64.80	%
3	Clay	0.22	%
4	pH	7.78	--
5	Colour	Blackish	-
6	Electrical Conductivity	0.28	mmhos/cm
7	Bulk Density	1.38	g/cm ³
8	Sulphate	8.82	mg/kg
9	Cation Exchange Capacity	52.34	Meq/100gm
10	Calcium (Ca)	4426	mg/kg
11	Magnesium (Mg)	1422	mg/kg
12	Sodium (Na)	418	mg/kg
13	Potassium (K)	332	mg/kg
14	Chromium (Cr)	< 0.05	mg/kg
15	Sodium Absorption Ratio	7.73	-
16	Total Organic Carbon	4.82	%
17	Chloride	52.6	mg/kg

BDL-Below Detection Limit.

This Test Report refers only to the sample tested

Hande
Reviewed By-



Stank
Authorized By-

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
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- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 16/12/2022.

Soil Testing Report from Gonde Side



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,
Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666
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Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2022-23/04/63		Date of Report	16/04/2022
Sample Code: GESEC/PRO/2022-23/04/63		Date of Sampling	12/04/2022
Client Name and Address: M/s. Exicon Social Consulting Private Limited B1-204, Kanakia Boomerang Building, Chandivali Farm Road, Andheri East, Mumbai – 400072.		Start Date of Analysis	13/04/2022
		End Date of Analysis	16/04/2022
Sample Collected By		Sample Details	Soil Gondia RHS 427-428
		Nature of sample	Solid
Sample Collected By		M/s. Perfect Pollucon Services, Thane	
Sr. No.	Parameter	Result	Unit
1	Sand	72.8	%
2	Silt	27.08	%
3	Clay	0.12	%
4	pH	8.14	--
5	Colour	Brownish	-
6	Electrical Conductivity	0.14	mmhos/cm
7	Bulk Density	1.12	g/cm ³
8	Sulphate	6.22	mg/kg
9	Cation Exchange Capacity	48.14	Meq/100gm
10	Calcium (Ca)	1442	mg/kg
11	Magnesium (Mg)	612	mg/kg
12	Sodium (Na)	272	mg/kg
13	Potassium (K)	236	mg/kg
14	Chromium (Cr)	< 0.05	mg/kg
15	Sodium Absorption Ratio	8.48	-
16	Total Organic Carbon	8.72	%
17	Chloride	40.8	mg/kg

BDL-Below Detection Limit.

This Test Report refers only to the sample tested

[Signature]
Reviewed By-



[Signature]
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