भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय : कार्यपालक अभियंता
सेंट्रल विस्टा प्रोजेक्ट डिविजन – 7
के.लो.नि.वि., कमरा न. 317,
विधुत भवन, नई दिल्ली - 110001

O/o Executive Engineer
Central Vista Project Division - 7,
CPWD, Room No. 317,
Vidyut Bhawan, New Delhi - 110001
E-Mail – eecvpd7@gmail.com

File No. 55(1)/EE/CVPD-VII/2021-22/286 Date: 10/11/2021

To

Deputy Conservator of Forests
West Forest Division
Mandir Lane, Mandir Marg
New Delhi-110060

THE CONSERVATOR OF FORESTS Dy No. 3777 Date 11/11/21 OFFICE OF

Subject: Proposal for diversion of 8.11 Ha. Deemed Forest land for construction of Common Central Secretariat 1,2&3 at the existing IGNCA building by CPWD

Online Proposal No: FP/DL/Others/124256/2021

Reference: Letter No. 8B/ Delhi/ 09/05/2021 dated 06/09/2021

Letter no. 55(1)/EE/CVPD-VII/2021-22/240 dated 08/10/2021

Sir,

In continuance to aforecited letter and with reference to the said subject and letter received for Stage-1 approval, we are hereby submitting our response/ compliance to the observations, mentioned hereunder:

S.No	Observations	Response/Compliances
1	Legal Status of the forest land shall remain unchanged.	Undertaking submitted as Annexure 6 and L&DO letter as Annexure 7.
2	The land for CA will be made available to the Forest Department, free of all the encroachments & encumbrances, within 15 days of the approval and compliance submitted to IRO, Jaipur.	Land is handed over to the Forest Department. DDA has allocated & handed over 8.11 Ha of land for the project vide Letter No. F.32 (05)21/IL/2192 (Annexure 10).
3	Translocation scheme needs to be submitted before	Details of tree species for

	IRO, Jaipur as per species and age classes suitable for translocation.	transplantation have already been submitted as "enumeration list" in Form A Part-1 under Additional Information. The same is again being submitted along with this response with the geo-coordinates of the land identified, methodology and duration of transplantation as Annexure 8. Also, an undertaking for budget allocation and time duration of the process is being submitted as Annexure 12.
4	Forest land will be handed over only after required non-forest land for the project is handed over by the user agency.	Non-Forest Land is free of encroachment and encumbrances and same has already been handed over to DCF(W).
5	Compensatory Afforestation shall be taken up by the Forest Department over 8.11 Ha Non Forest Land in Compartment/ Khasra/Survey No. 10/9/2,1/1,1/2,2/1,2/2,3,3/25/2/2,25/2/1,61/16/1,4/16/2,17,19,21/1,21/2/1,21/2/2,21/3,22,32/1,23/2,23/3,24, 60/20/2, 20/1, 19, 18, 17/1, 17/2, 16/2, 11/1, 11/2, 12,13, 14/1, 14/2, 15, 9, 27, 8, 7/2, 7/1, 6, 26, 3, 4/1, 4/2, 5, 59/11, 10, 1, 2/1,9, 53/24, 25 at master plan Green, Sector 29, Dwarka, Delhi at the cost of the user agency, As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.	The point pertains to DCF(W).
6	In compliance of guidelines of MoEF&CC issued vide letter No. 17/24/2019-FC dated 26.11.2019, the non forest land proposed for compensatory Afforestation shall be declared as Protected Forest under relevant provisions of the Indian Forest Act , 1927 or State Specific Act, if any. However, ownership of that CA patches need not be transferred/ mutated in the name of the State Forest Department.	The point pertains to DCF(W) and same is under progress
7	The cost of compensatory Afforestation at the prevailing wage rates as per compensatory Afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme	Demarcation of land has been done with RCC posts and handed over to forest department. **Payment details –** Net Payment : Rs.

	may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	7,58,05,370/- UTR No. (Bank Transaction Id) : SBINR5202109201302102. Out of which Rs 7,07,28,510/- has been paid for Compensatory Afforestation plantation including maintenance for 10 years.
8	Forest land will be handed over only after required non-forest land for the project is made available to the user agency for plantation purpose.	Non-Forest Land free of encroachment and encumbrances is handed over vide letter no. 23(CCS)/AD(H)/CVPD-IV/2021-22/02 dated 08/10/2021 along with highlighted area on drawing to DCF (W) Forest Department Delhi. Letter attached as Annexure 13.
9	The State Government shall charge the Net Present Value (NPV) for the 8.11 Ha. Forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No.566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No.5-1/1998-FC(Pt.-II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009 in this regard.	**Payment details –** Net Payment: Rs. 7,58,05,370/- UTR No. (Bank Transaction Id) : SBINR5202109201302102. Out of which Rs 50,76,860 /- has been paid for NPV.
10	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect.	Undertaking submitted as Annexure 5.
11	User Agency shall restrict the felling of trees to a minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.	Felling of trees will be restricted only to invasive species identified by Forest Department / State government and that too only for trees which are to be transplanted and not for those to be retained. Only transplantation of trees will be carried out. If any trees are

		felled, revenue shall be submitted with coordination and directives received from Forest Department.
12	The complete compliance of the FRA 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.	Attached FRA certificate with this response as Annexure 11.
13	User Agency shall obtain Environmental Clearance as per the provisions of Environmental (Protection) Act, 1986, if applicable.	Environmental Clearance has been received vide File No. 21-105/2020-IA-III dated 31/05/2021. Copy attached as Annexure 9.
14	No violation of FCA certificate from concerned DFO shall be provided.	The point pertains to DCF(W).
15	The layout plan of the proposal shall not be changed without prior approval of the Central Government.	It is submitted that there will be no change to the proposal without prior approval of the Central Government.
16	No labor camp shall be established on the Forest Land.	It is submitted that labor camp shall not be established on the Forest Land.
17	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.	It is submitted that firewood shall not be used as fuel. Alternate fuel shall be provided to the labourer from legal sources.
18	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.	It is submitted that the boundary has already been demarcated on the ground at the project cost as directed by DCF(W).
19	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	Existing path will be utilized for transportation of construction materials. No new or additional path will be constructed.
20	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favor of the user agency or the project life, whichever is less.	Agreed and will be complied.
21	The forest land shall not be used for any other purpose other than that specified in the project proposal.	Undertaking of the same is attached as per Annexure 1.
22	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the Govt. of India.	Undertaking of the same is attached as per Annexure 2.
23	Violation of any of these conditions will amount to violation of Forest (Conservation) Act 1980 and action	Undertaking of the same is attached as per Annexure 3.

	would be taken as per MoEF&CC Guideline F. No. 11-42/2017-FC dated 29/01/2018.	
24	All the funds received from the user agency under the project shall be transferred / deposited to CAMPA fund only through e-portal.	Vendor Name: Delhi CAMPA Gross Amount : Rs. 7,58,05,370/- Net Payment : Rs. 7,58,05,370/- UTR No. (Bank Transaction Id) : SBINR52021092013021022
25	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/)	This document along with all annexures is the compliance report and shall be uploaded on e-portal after submission.
26	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.	Undertaking of the same is attached as per Annexure 4.

It is requested, that the process be expedited.

Enclosed: Annexure 1 to 13.

(Deepak)
Executive Engineer
CVPD – 7, CPWD
New Delhi

Copy to:

1. SDG (PRND), CPWD, Nirman Bhawan, New Delhi
2. CE(C), CVPZ, CPWD, Nirman Bhawan, New Delhi
3. SE(C), CVPC-II, CPWD, Nirman Bhawan, New Delhi

Executive Engineer

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 6)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that legal status of the forest land as defined by L&DO vide their letter number L&DO/L-II-A/11(1158)/2019/87 shall remain unchanged.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

ANNEXURE 7

सत्यमेव जयते
Goverment Of India

Ministry of Housing & Urban Affairs
Land & Development Office
Nirman Bhawan, New Delhi.

No. L&DO/L-II-A/ 11(1158)/2019/२१ Dated : 4th March, 2021.

To,

Shri Sudhir Kumar Tiwari,
Executive Engineer, CVPD-II,
CPWD, Room No. A-203
I.P. Bhawan,
New Delhi-110002.

Sub: Transformation of Central vista- Land Document required for Local Body Submission of CCS building 1,2 & 3-reg.

Sir,

I am directed to refer to your letter No. 54(1)/EE/CVPD-IV/2021/19 dated 2.3.2021 on the subject cited above and to say that the ownership of land of plot No. 137 (Existing IGNCA building) in the Central Vista area vests with the Government of India under administrative control of Ministry of Housing & Urban Affairs/ Land & Development Office.

2. This office has "No Objection" if CPWD initiates and takes up the matter for obtaining various approvals from local body in this regard.

3. This issues with the approval of Land & Development Officer.

Yours faithfully,

(Satish Kumar Singh)
Deputy Land & Development Officer
Ph:011-23061448

ANNEXURE 10.

DELHI DEVELOPMENT AUTHORITY
INSTITUTIONAL LAND BRANCH
A-216, Vikas Sadan INA, New Delhi-110023

No. F. 32(05)21/IL/ 2192

Dated: 27/09/2021

To

1. Additional Director General
Project Region Delhi
Central Public Works Department
Nirman Bhawan
New Delhi -110049

2. Chief Engineer / Constn. /Central
Northern Railway
Kashmiri Gate
New Delhi

3. Chief Engineer /General
National Capital Region Transport Corporation (NCRTC)
7/6, Siri Fort Institutional Area, August Kranti Marg
New Delhi -110049

Sub: **Allocation of land admeasuring 25.506 Ha for Compensatory Afforestation (CA) under FCA,1980 at Master Plan Green, Sector -29, Dwarka to CPWD, NCRTC and Northern Railways for CCS 1, 2 and 3 under Central Vista Project.**

Ref:
1. CPWD Letter no. 23(Misc)/SE/CVPC-II/2021-22/22 dated 02.07.2021
2. DDA Letter F. 32(05)21/IL/1937 dated 07.07.2021
3. DDA Letter F. 32(05)21/IL/212 dated 14.07.2021
4. CPWD letter No. 55(1)/EE/CPVD-7/2021-22/214 dated 24.09.2021

Sir,

This is in revision to letter no. F. 32(05)21/IL/212 dated 14.07.2021on the subject cited above. The revised site plan of area under reference along with GPS co-ordinates (revised) regarding the allocation of 8.11 Ha to CPWD is enclosed herewith.

(Sada Shiv)
Dy. Director (IL)

Encl: As Above

Copy To:

Addl. Commr. (LS), DDA

Copy for kind information to: -

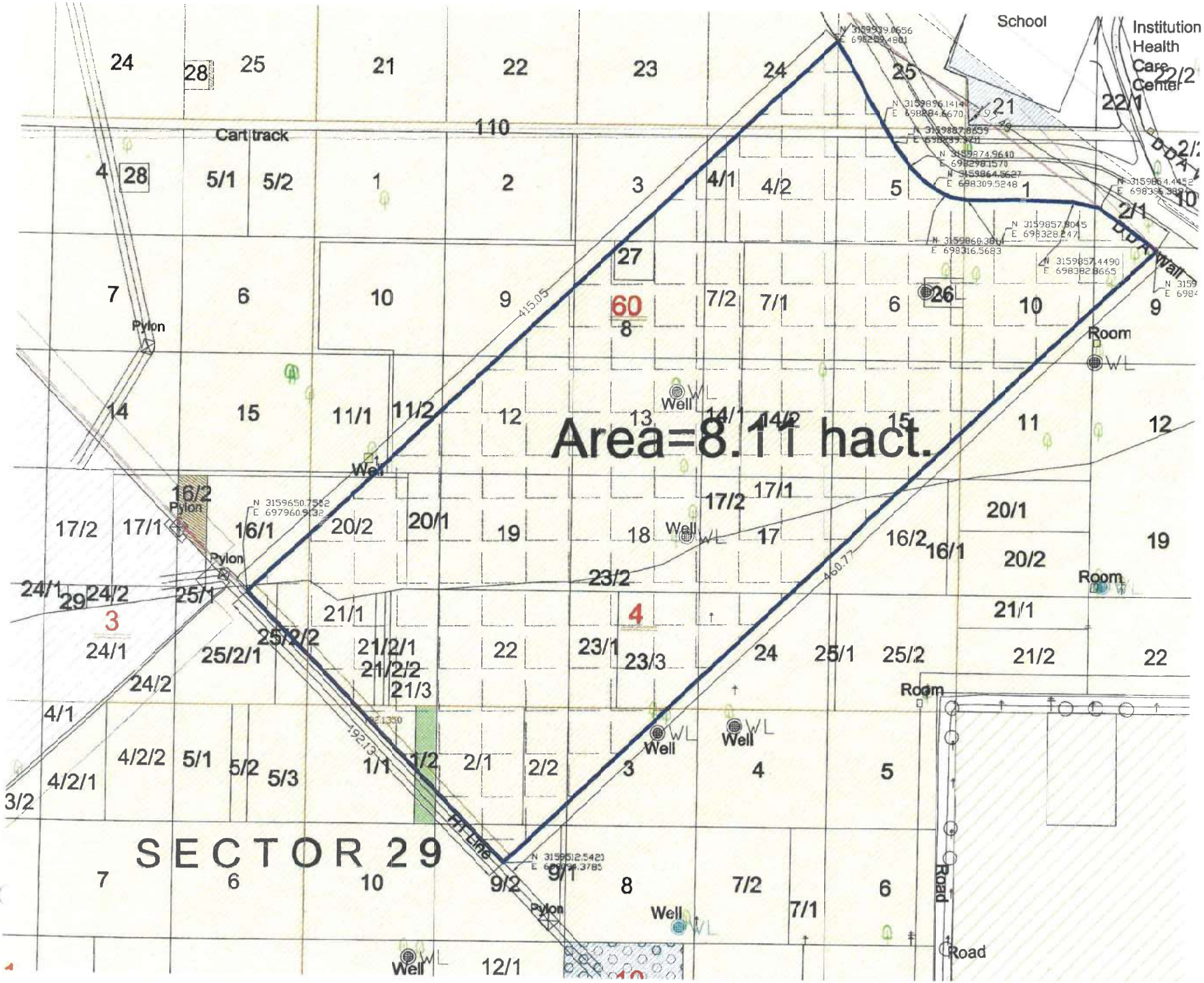
1. The Registrar, National Green Tribunal, New Delhi.
2. Dy. Conservator of Forest, Deptt. of Forest and Wildlife, GNCTD
3. The Chief Engineer, Central Vista Zone, Central Public Works department, Room no. 7B, E-Wing, Nirman Bhawan, New Delhi-110011
4. The Chief Engineer, (Dwarka) DDA
5. Director (Hort.) North West, DDA
6. Director (LM) -II, DDA, Vikas Sadan, New Delhi-110023
7. Dy. Director (S)LD, DDA, Vikas Sadan, New Delhi-110023
8. PS to PC (Hort., LS) DDA for kind information of later

Dy. Director (IL)

Annexure I

GEO -CORDINATES REGARDINGHE ALLOCATION OF 8.11 HA TO CPWD				
CODE	NORTHING(M)	EASTING(M)	Latitude	Longitude
B1	3159939.066	698259.4801	28° 33' 4.279" N	77° 1' 35.743" E
B2	3159896.141	698284.667	28°33' 2.871" N	77° 1' 36.643" E
B3	3159887.866	698289.3711	28° 33' 2.6" N	77° 1' 36.811" E
B4	3159874.964	698298.157	28° 33' 2.176" N	77° 1' 37.126" E
B5	3159864.563	698309.5248	28° 33' 1.832" N	77° 1' 37.537" E
B6	3159860.381	698316.5683	28° 33' 1.692" N	77° 1' 37.794" E
B7	3159857.805	698328.2471	28° 33' 1.602" N	77° 1' 38.222" E
B8	3159857.449	698382.8665	28° 33' 1.561" N	77° 1' 40.23" E
B9	3159854.445	698396.3894	28° 33' 1.456" N	77° 1' 40.726" E
B10	3159832.566	698425.7875	28° 33' 0.729" N	77° 1' 41.793" E
B11	3159512.542	698094.3785	28° 32' 50.518" N	77° 1' 29.405" E
B12	3159650.755	697960.9132	28° 32' 55.08" N	77° 1' 24.583" E

Deputy Director
(Institutional Branch)
Delhi Development Authority
INA, Vikas Sadan, New Delhi-23


Area=8.11 hact.
SECTOR 29
School
Institution
Health
Care
Center
Cart track
Pylon
Well
Room
Road
HT Line
DDA Wall
415.05
460.77
192.13
Deputy Director
(Institutional Branch)
Delhi Development Authority
(NA, Vikas Sadan, New Delhi-23

Project Transplantation Plan (Annexure 8)

Project: Common Central Secretariat Buildings 01, 02, 03

Location/ Address: Plot No. 137, Dr. Rajendra Prasad Road, New Delhi-110001

1. Total Trees identified for transplantation:

A. Tree numbers preserved on Project Site: 485
B. Tree numbers identified for felling: 56 (Invasive – Out of those Identified for transplantation)
C. Tree numbers identified for relocation/ transplantation at other locations: 1734 (Including Invasive)

2. Transplantation site(s) excluding project site:

Sno.	No. of Trees to be Transplanted	Transplantation Site
1	1734	NTPC Eco Park, Badarpur, New Delhi

3. Tree Relocation/ Transplantation Strategy:

Refer LARGE TREE TRANSPLANTING GUIDELINES – Sheet No. CPWD-CS-GD-PL-101A and Document No. CPWD-CS-GD-PL-101B (as submitted for reference)

4. Allocation of Funds for Transplantation:

Sanction for entire work of Common Central Secretariat Building 01, 02, 03 has been accorded by Union Ministry of Housing and Urban Affairs. Total funds of approx. Rs. 2,18,83,908 for transplantation of proposed trees and their maintenance for 12-24 months has been kept.

5. Technical Agency in-charge of Tree Preservation Plan:

The transplantation will be carried out under supervision of Deputy Director (Horticulture) CPWD.

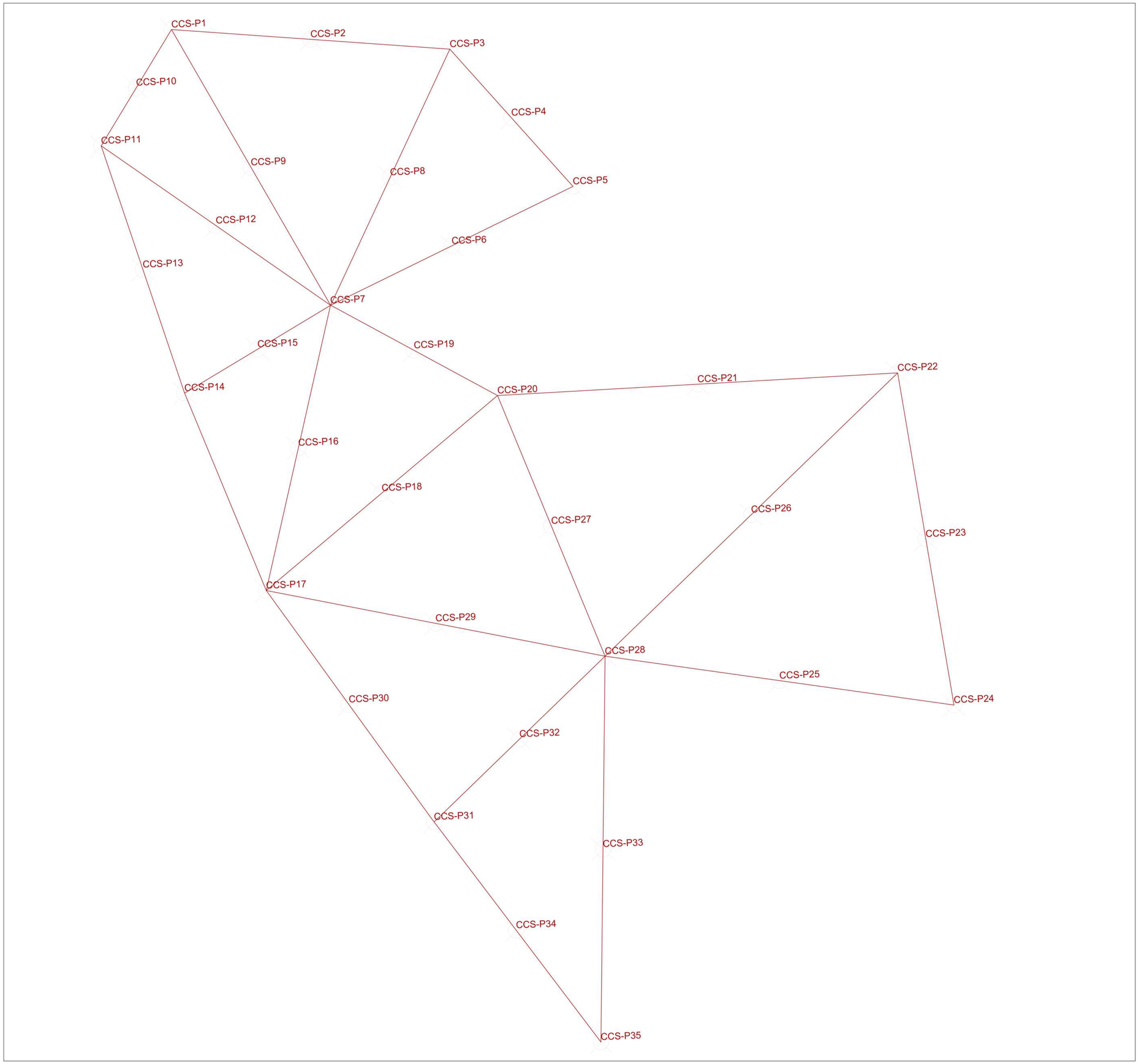
6. Development Plan and Tree Preservation Plan with timelines:

In the Delhi Gazette document page 7. Under the head "*4.Procedure to be followed for tree transplantation at any Project site"* Point 5 Implementation of Tree Preservation Plan-

(a) Pre conditioning: Already mentioned in the attached document CPWD-CS-GD-PL-101B.
(b) Hardening : Already mentioned in the attached document CPWD-CS-GD-PL-101B
(c) Rhizome consolidation: Already mentioned in the attached document CPWD-CS-GD-PL-101B
(d) Refuge site preparation: Already mentioned in the attached document CPWD-CS-GD-PL-101B
(e) Transportation: Already mentioned in the attached document CPWD-CS-GD-PL-101B
(f) Transplanting at refuge: Already mentioned in the attached document CPWD-CS-GD-PL-101B. Tree plantation will be done at the site after earth filling of 2 to 3 metre.

(g) After care: Already mentioned in the attached document CPWD-CS-GD-PL-101B

For Points (a) to (f) it would take overall 4 to 5 months to execute the whole process and for point (g) the timeline required is 12 to 24 months.



Notes for Tree Relocation/ Transplantation Strategy: -

Refer LARGE TREE TRANSPLANTING GUIDELINES – Sheet No. CPWD-CS-GD-PL-101A and Document No. CPWD-CS-GD-PL-101B (as submitted for reference)

In addition to the large tree transplanting guidelines, please follow the below measures –

1. Earth filling of 2m to 3m will be done in the area where tree transplanting to be done.

2. Distance from the edge of the road line to tree transplantation line should be 2 Mtr or more.

3. As far as possible same species shouvld be considered to transplant in the linear and parallel arrangements along the road.

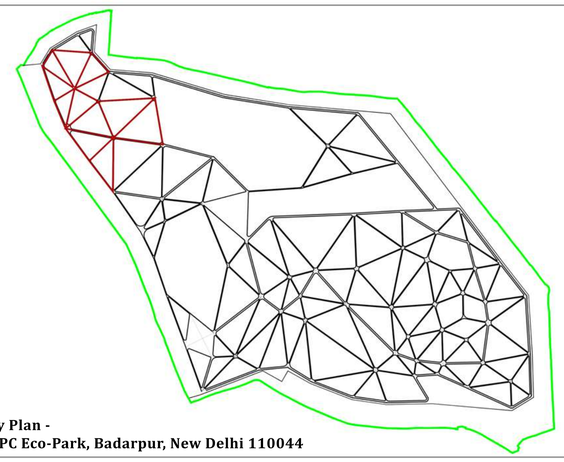
4. Tree transplantation should be considered for both sides of the road. Additionally, for CCS-P20 to CCS-P22, CCS-P1 to CCS-P11, CCS-P11 to CCS-P14, CCS-P14 to CCS-P17, CCS-P17 to CCS-P31, CCS-P31 to CCS-P35 transplantation should be considered for internal side.

5. The given coordinates are of the centre line of the road.

Length of road is 4.80 KMs approx

Geo Co-ordinates for transplantation of CCS123

Value	Latitude	Longitude
CCS-P1	28° 31' 42.813440"	77° 18' 28.564911"
CCS-P2	28° 31' 42.393809"	77° 18' 32.286684"
CCS-P3	28° 31' 41.974146"	77° 18' 36.008445"
CCS-P4	28° 31' 40.264858"	77° 18' 37.555730"
CCS-P5	28° 31' 38.555565"	77° 18' 39.103005"
CCS-P6	28° 31' 37.308623"	77° 18' 35.760106"
CCS-P7	28° 31' 36.060168"	77° 18' 32.414028"
CCS-P8	28° 31' 39.017909"	77° 18' 34.212820"
CCS-P9	28° 31' 39.437553"	77° 18' 30.491083"
CCS-P10	28° 31' 41.481633"	77° 18' 27.533547"
CCS-P11	28° 31' 40.149826"	77° 18' 26.502191"
CCS-P12	28° 31' 38.105749"	77° 18' 29.459723"
CCS-P13	28° 31' 37.161957"	77° 18' 27.433780"
CCS-P14	28° 31' 34.174091"	77° 18' 28.365359"
CCS-P15	28° 31' 35.117880"	77° 18' 30.391288"
CCS-P16	28° 31' 32.724531"	77° 18' 31.336426"
CCS-P17	28° 31' 29.384363"	77° 18' 30.257383"
CCS-P18	28° 31' 31.541623"	77° 18' 33.508818"
CCS-P19	28° 31' 34.881784"	77° 18' 34.587897"
CCS-P20	28° 31' 33.698862"	77° 18' 36.760289"
CCS-P21	28° 31' 33.698197"	77° 18' 42.147435"
CCS-P22	28° 31' 33.697470"	77° 18' 47.534577"
CCS-P23	28° 31' 29.722571"	77° 18' 48.037890"
CCS-P24	28° 31' 25.747676"	77° 18' 48.541198"
CCS-P25	28° 31' 26.560443"	77° 18' 43.896185"
CCS-P26	28° 31' 30.535337"	77° 18' 43.392827"
CCS-P27	28° 31' 30.536016"	77° 18' 38.005726"
CCS-P28	28° 31' 27.373164"	77° 18' 39.251149"
CCS-P29	28° 31' 28.378784"	77° 18' 34.754277"
CCS-P30	28° 31' 26.572425"	77° 18' 32.300859"
CCS-P31	28° 31' 23.673544"	77° 18' 34.410510"
CCS-P32	28° 31' 25.523361"	77° 18' 36.830818"
CCS-P33	28° 31' 22.802296"	77° 18' 38.902904"
CCS-P34	28° 31' 20.995957"	77° 18' 36.449502"
CCS-P35	28° 31' 18.231424"	77° 18' 38.554672"



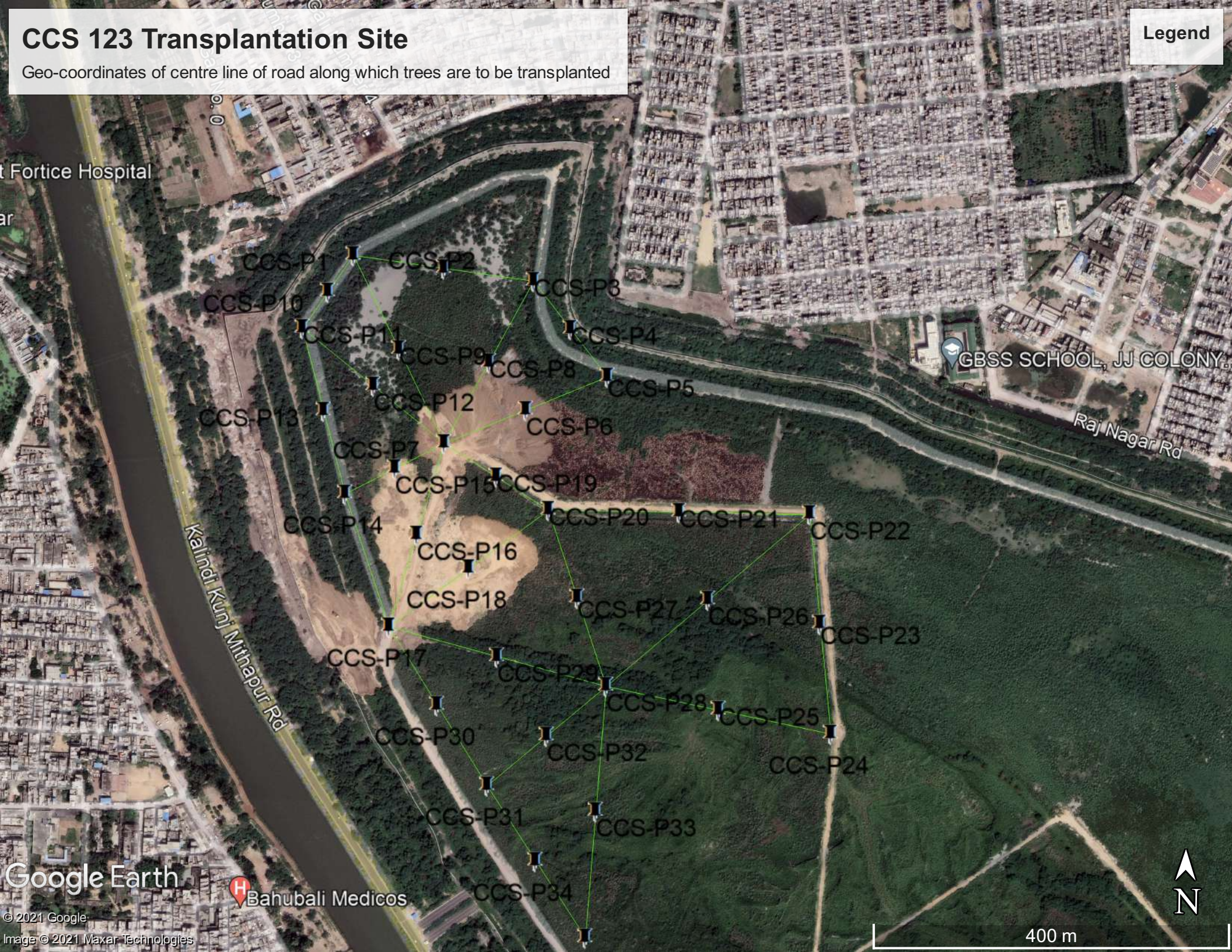
Key Plan -
NTPC Eco-Park, Badarpur, New Delhi 110044

CCS 123 - Boundary lineout for Allocated site for Tree Transplantation

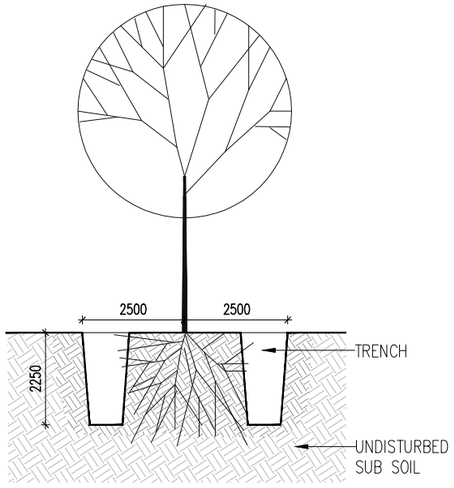
As on date : 09.11.2021

CCS 123 Transplantation Site

Geo-coordinates of centre line of road along which trees are to be transplanted



STAGE 1 & 2



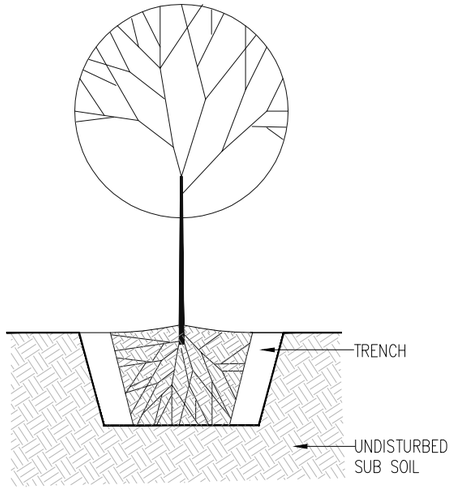
TYPICAL SECTION FOR STEP 1 AND 2 TRENCHING

1st Stage - Dig a trench on the outside of the marked circumference in only two opposing segments.

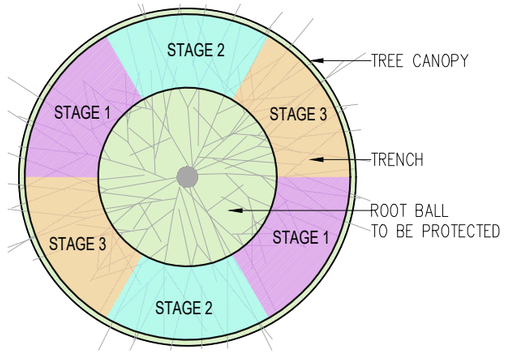
2nd Stage - After a period of no less than 1 month since the 1st root pruning, dig a trench on the outside of the marked circumference in the adjacent two opposing segments.

3rd Stage - After another period of no less than 1 month since the 2nd root pruning, dig a trench on the outside of the marked circumference, in the remaining two opposing segments.

STAGE 3

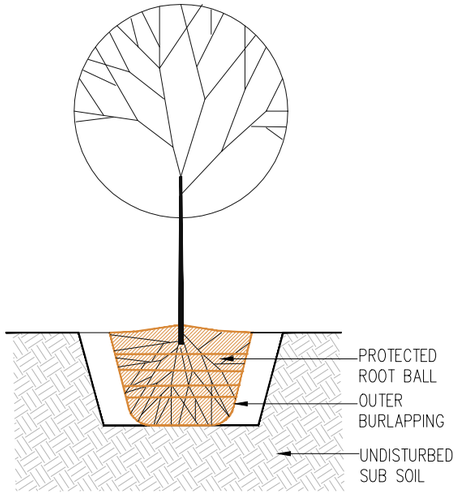


TYPICAL SECTION FOR STEP 3 TRENCHING



TYPICAL PLAN FOR ALL 3 STAGES OF TRENCHING

STAGE 4



TYPICAL DETAIL FOR STEP 4 BURLAP AND LIFTING

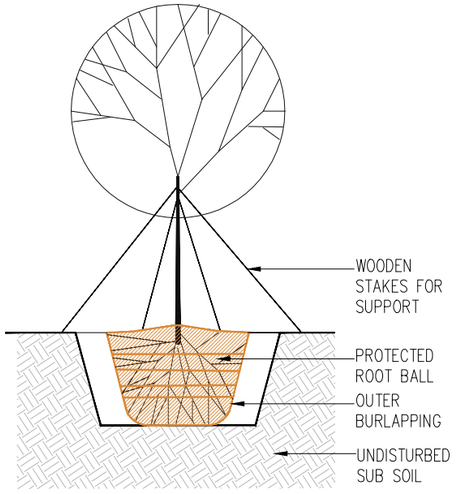
BURLAP AND LIFTING OF TREE

1. Root ball is covered properly from top to bottom from a damp hessian as shown in fig."C".

2. This hessian shall be kept moist throughout the time of uplifting until the uplifted tree is transplanted in its new location.

3. Lifting should be done by direct lift, with padded protection for the tree, using a machine of appropriate capacity connected to the support around the root ball, not to any other part of the tree as shown in fig. "D".

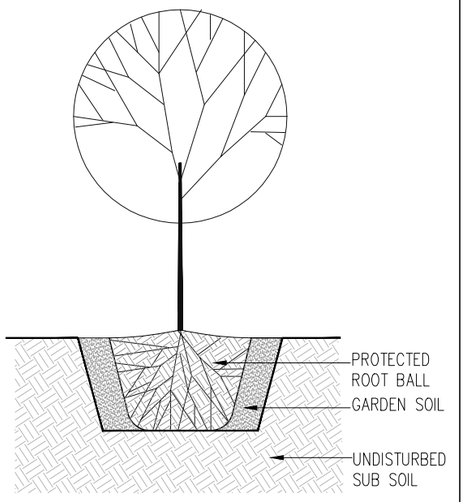
STAGE 5



TYPICAL DETAIL FOR STEP 5 RELOCATION TO EXTERNAL SITE

A planting hole at the new location should be created in advance. In general, the depth of the planting hole shall not exceed the depth of the root ball and the sides of the planting hole should be scarified (Fig. E).

STAGE 6



TYPICAL DETAIL FOR STEP 6 POST TRANSPLANTATION MAINTENANCE

The top surface of the root ball should not be below the surrounding soil.

The bottom of the trunk flare should be at or above the finished grade.

The backfill soil should be tamped firmly around the base to stabilize a tree.

It is important that all the transplanted trees should have a proper watering programme as part of the daily maintenance work in the transit nursery.

Notes:

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2. In case there is any discrepancy between the Architectural drawings and other representational drawings, the Architectural drawings must be followed and any discrepancy between the two must be brought to the notice of the Architect before commencement of work.
3. All dimensions must be read and not measured. Please refer to detailed drawings wherever relevant.

Specific Instructions:

Kindly refer the attached document "LARGE TREE TRANSPLANTING GUIDELINES" - CPWD-CS-GD-PL-101B

'Large Tree Transplanting Guidelines' serves as a general reference with a view to providing **systematic steps** in assessing the feasibility and suitability of transplanting in the project feasibility/planning stage and the major considerations in design, documentation, implementation and post construction stages for proper tree transplanting works and the after care. The Guidelines should be read in conjunction with "The Handbook of Landscape - A Guide" published by Directorate General, CPWD, 2013. **These specifications are to be deployed only for the large tree transplantation works in COMMON CENTRAL SECRETARIAT, Building -1,2,3**

HCP Design, Planning & Management Pvt. Ltd.
FOR REFERENCE
01-11-2021

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REF.	DATE	DESCRIPTION
--	DD-MM-YY	--

BUILDING - 1,2,3

Large Tree Transplating Guidelines

DWG.NO.: CPWD-CS-GD-PL-101A

SCALE: NA

DATE : 01-11-2021

PL-101A

DRAWN BY : ANIETA MERCHANT
CHECKEDBY : DHIRU MAKWANA
DESIGN MANAGER : HARDIK VYAS
PROJECT MANAGER : KUSHAL SHAH

PROJECT NAME
COMMON CENTRAL SECRETARIAT

CLIENT
CPWD

AT DELHI PROJECT NO. 19052

HCP
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Large Tree Transplanting Guidelines

A Guide to tree transplanting for the COMMON CENTRAL SECRETARIAT, Building -1,2,3

DOC. NO.: CPWD-CS-GD-PL-101B

HCP Design, Planning & Management Pvt Ltd

1 Introduction

1.1 The 'Large Tree Transplanting Guidelines' (The Guidelines) serves as a general reference with a view to providing systematic steps in assessing the feasibility and suitability of transplanting in the project feasibility/planning stage and the major considerations in design, documentation, implementation and post construction stages for proper tree transplanting works and the after care. The Guidelines should be readin conjunction with "The Handbook of Landscape – A Guide" published by Directorate General, CPWD, 2013. These specifications are to be deployed only for the large tree transplantation works in Common Central Secretariat, Building -1,2,3

1.2 Transplanting is the term used to describe the digging and replanting of trees from one location to a new location. Due to the fact that the numberof species involves in this project is predetermined, and the variation in the morphology of tree root system is limited, transplanting of trees will involve substantial removal of roots. The whole transplanting process in particular for large trees is an engineering feat and requires substantial involvement of resources and time.

1.3 A decision to transplant a tree should be based on a balancing consideration of its conditions (e.g. form, health and structure), size, species, conservation status, amenity value, suitability for transplanting,environmental and cultural factors, functional and engineering considerations and cost effectiveness.

Photo 1

Transplanting of large trees requires substantial resources and time andin many cases an engineering feat

1.4 The decision making process requires a systematic approach. The following flow chart in Diagram 1 recommends the basic work flow withkey considerations involved in making a decision to retain, transplant or remove a tree for a typical construction project.

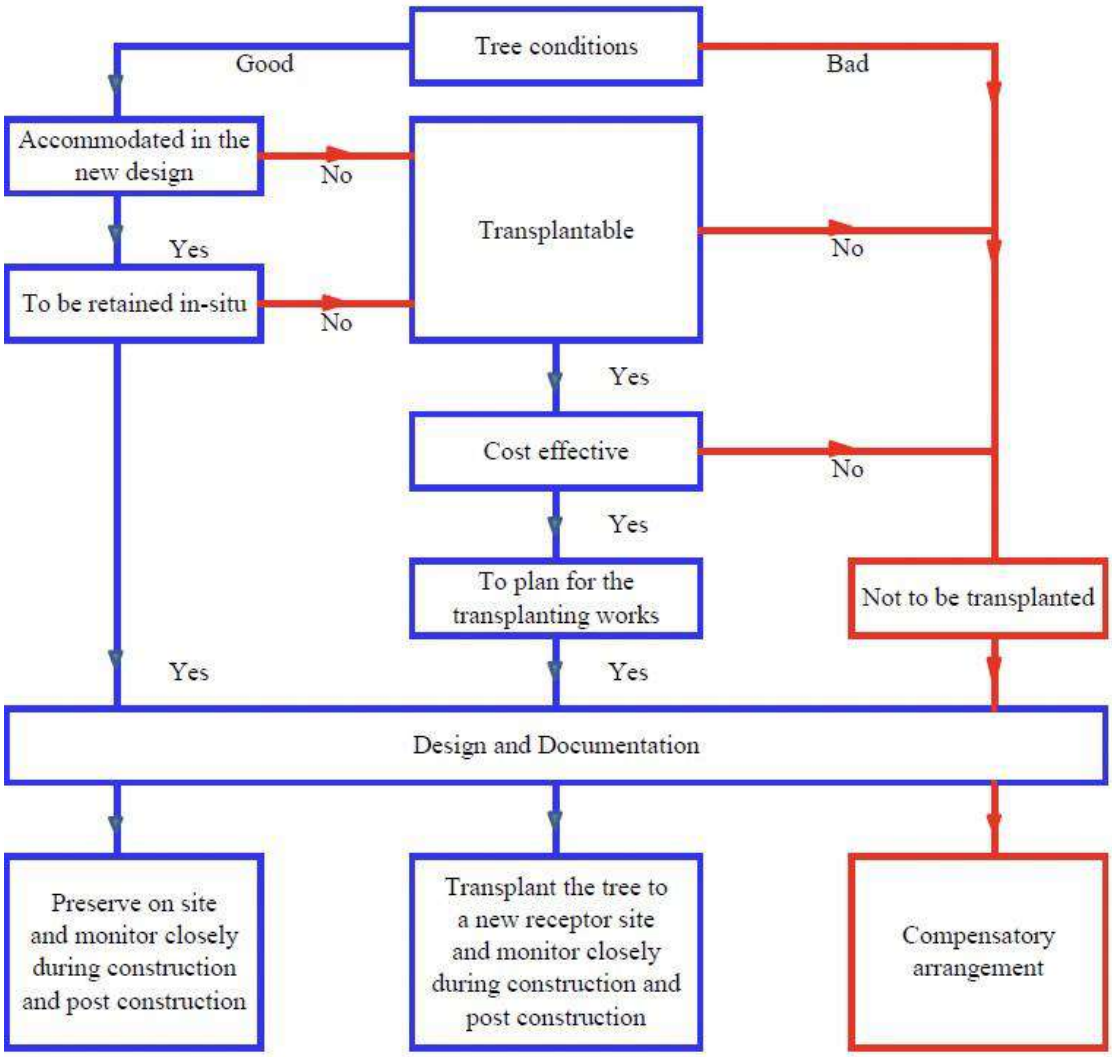


Diagram 1
The basic work flow with key considerations of tree transplanting for a typical construction project. Other factors such as species, conservationstatus of a tree, availability and suitability of a receptor site, access etc.should also be considered in parallel (paragraph 2.6 refers).

2 Planning

Trees affected by development projects

2.1 Trees should be properly preserved and no trees should be unnecessarily removed in development projects. Trees that are suitable for and worthyof preservation are identified in the planning or feasibility stage and should be properly preserved through careful and proper planning, design, implementation and post construction maintenance. Due consideration should be given to the existing trees that are healthy and structurally sound, in particular the valuable tree resources such as Mature and Heritage Trees (MHTs) and potentially registrable MHTs. Removal, i.e. transplanting or felling should be considered only if preservation is impractical.

2.2 A tree survey on the trees in a development project or other associatedareas should be conducted to obtain the required information for developing site planning and tree preservation proposals.

2.3 Proposals to retain or transplant trees should be properly planned and implemented to ensure that sufficient space to accommodate the existingtree and its future growth, and adequate time for preparation of transplanting are available.

2.4 For situations where retaining the trees at their existing locations are not practicable, priority should be given to transplant the affected trees to other permanent locations within the project site where appropriate, so asto increase the trees' survival rate after transplanting and minimize the loss of greenery in the local environs; and if not practicable, transplant the affected trees to a suitable permanent location ex-situ. Location of thereceptor site should preferably be in proximity to the project site for retention of amenity effect in the vicinity.

2.5 The Specifications are to be read in conjunction with the following drawings:

a. CPWD-CS-GD-PL-100_ Tree protection detail during construction

b. CPWD-CS-GD-PL-101A_ Large tree transplanting guidelines

c. CPWD-CS-GD-PL-102_Location of trees to be transplanted and retained

Determining factors for transplanting

2.6 For trees that are considered impracticable to be preserved, the rationale behind any proposed transplanting of the trees concerned should be provided. The decision to retain, transplant or fell a tree should be a balancing act considering the following factors:

(a) General health, form and structure of the tree

Conditions of the trees to be transplanted including health, form and structure will affect the success of the proposed transplanting. As a general rule, trees with poor form/architecture, health or structure shouldnot be considered for transplanting under normal circumstances.

Digging a tree for transplanting can remove as much as 90 percent of the absorbing roots which causes transplant shock to the tree. A transplantedtree should be able to re-establish sufficient roots to sustain itself. If the tree has poor health, the rates of survival and recovery will be low.

Trees suffer substantial stress and shock during construction and transplanting. The lifespan and health of the trees after transplanting haveto be considered before transplanting to assess the cost effectiveness of the operation.

(b) Size of root ball / quality of root system

Larger trees need bigger root ball to encompass more roots to ensure adequate re-growth, as well as anchorage and stability. Transplanting may not be recommendable for situation where a reasonable root ball sizecannot be achieved. Species that are normally difficult to transplant may benefit from larger root balls more than those of species that are easily moved (Watson and Himelick, 1997). There should be a balance betweenthe size of root ball, cost and technical aspects involved. International practices generally recommend a range of 8:1 to 10:1 for root ball diameter: trunk diameter. Since in this project most of the trees any mature, a ratio of 12:1 for a larger root ball is recommended to enhance better recovery after transplanting.

Photo 2
Preparing the root ball of reasonable size for a tree growing on a slopeor a retaining wall for transplanting is not practicable in many cases

(c) Size of trees

The size of trees that can be relocated is limited by logistical practicability and resource availability. As a general rule, transplanting asmall tree (such as Plumeria sp.) can be more successful than the large ones (such as mature Syzygium jambolanum). The logistical requirements and hence the cost of moving also increase substantially with the plant size, especially for off-site transplanting.

(d) Species and conservation status of a tree

Deep tap root tree species such as Syzygium jambolanum are difficult to transplant, especially if their age is over 75 years.

Trees having particular significance and high conservation value would be recommendable for transplanting in case they cannot be preserved onsite.

(e) Availability and suitability of a receptor site

Before transplanting, it is pertinent that a permanent receptor site also called a “Holding Nursery”, either within and outside the project site, should be located. If the new receptor site can only be available after aperiod of time, the trees should be properly maintained at the holding nursery.

(f) Time for preparation

Adequate time should be allowed for preparation of the transplantingoperation which includes the stage digging .

Please see details in paragraph 4.4.

(g) Maintenance party

Trees to be transplanted to a new receptor site may have a different party responsible for its subsequent maintenance. During the planning process,it is necessary to identify, consult and seek agreements from the long- term maintenance party for the transplanted tree(s).

(h) Access to the existing and receptor locations and transportation receptor site (including availability of access to accommodate the tree, topography of proposed route, engineering limitation, etc.) and other siteconstraints should be considered.

Large transplanting machine may be needed. Accessibility of the site should be considered including the movement and set up of the transplanting equipment and the maneuverability of the operation machinery and vehicles. Moving a tree out of or into a site involves lifting to a vehicle and limitation of the size of a vehicle or transport safety requirements. It is not recommended to significantly prune tree tofit in transport vehicles.

(i) Site constraints

The locations of the tree and/or the receptor site may pose constraints to the transplanting works. Locations like underneath a flyover or footbridge, adjacent to a slope, too close to a building/structure, vehicularand pedestrian flows may add considerable difficulties to the transplanting work.

(j) Cost effectiveness

As considerable time, efforts and cost will be involved in the tree transplanting work and the tree will inevitably face difficulties for its regenerating growth, it is necessary to consider if the contribution of thetree after transplanting is proportionate to the cost.

Trees not to be transplanted

2.7 As transplanting of a large tree is a major engineering exercise which involves high cost, the amenity/cultural/environmental value of the treeagainst the transplanting cost should be assessed so as to determine whether the tree should be transplanted.

2.8 Trees with the following features should not be considered for transplanting under normal circumstances:

(a) low amenity value;

(b) irrecoverable form after transplanting (e.g. if substantial crown androot pruning are necessary to facilitate the transplanting);

(c) low survival rate after transplanting.

Photo 3
Wrong tree!!! A mature jamoon tree is not desirable for transplanting if itis over 75 years old

(d) very large size (unless the feasibility to transplant has been considered financially reasonable and technically feasible during the feasibility stage);

(e) with evidence or notable signs of over-maturity and onset of senescence; with poor health, structure or form (e.g. imbalanced form, leaning, with major cavity/cracks/splits).

Design and Documentation

3.1 It is important that requirements such as timing of root pruning, size ofroot ball, transplant and lifting requirement, monitoring and post transplanting maintenance, etc. have been properly planned and documented in the contract. All these works should also be properly supervised by tree specialist according to the contract specifications during and after construction.

3.2 Safety precautions

3.2.1 Tree transplanting, like other tree management works, should be conducted in a controlled and safe manner. Workers who are involved intransplanting trees should be given adequate instruction and supervision to ensure that tasks are completed in a safe manner.

3.2.2 The sites shall be inspected for possible hazards prior to beginning any transplanting procedure. The location of utilities and other obstructions [4]both below and above ground shall be taken into consideration prior to transplanting any tree.

4 Transplanting operations

4.1 Tools and equipment

4.1.1 All tools and equipment should be appropriate to the operations and prepared in advance. Digging and root pruning tools shall be sharp andclean in order to cut without breaking, crushing or tearing roots.
Mechanical digging and root pruning equipment shall be operated according to manufacturers' recommendations to minimise root damage.

4.1.2 Lifting cables, chains, straps, and/or slings shall be inspected and used according to manufacturers' instructions and specifications.

4.2 Timing of transplanting

4.2.1 In Delhi, July-August are considered as optimal time for transplanting. Ingeneral, summer is not a common transplanting season as evapo- transpiration rate is high and the transplanted trees will be under stress when transplanting work is taken place during that time. The risks of

Inclement weather and dust storms will also affect the work progress andthe transplanting outcome.

4.3 Preparation of root ball

4.3.1 Root pruning is sometimes required before transplanting a tree. Sufficienttime should be allowed between preparation and final lifting for development of new roots capable of sustaining and continuing the growth of the transplanted tree.

4.3.2 The root system of a open-grown tree will normally be widespread. Lifting such trees without initial preparation of a root ball will result in much of the root system being left in the soil. After transplanting, the treecrown may then die back, or the tree may not be able to recover and will die eventually.

4.3.3 The root ball size varies depending on species, habit, location and specific attributes which shall be as large as practicable to maximize the potential of survival during and after transplanting while balancing other logistical and cost concerns. In general, the root ball diameter to tree diameter ranges from 8:1 to 10:1 according to international standards (except for a palm which may require a smaller root ball). The root ball sizes for this project should be 12:1 ratio and the diameter and depth of the burlap to encompass enough of the root system as necessary for establishment. There may be practical difficulties in forming a root ball of regular shape or recommended size due to intrinsic conditions of the site or tree, e.g. conflict with adjacent structures or utilities. In such casesthe advice of a tree specialist has to be sought on the optimal dimensionsof the root ball to be achieved specific to the situation.

4.4 Stage digging

4.4.1 Root pruning to form a reasonable size of root ball is required and may be adjusted to suit specific tree species and/or imposed project constraints. For mature trees, root pruning is usually required to be carried out at different stages with a minimum of 1 month allowed for root regenerationbetween cuts. Stage digging can be carried out in the following stages in situations if the locations and work programme are considered suitable.

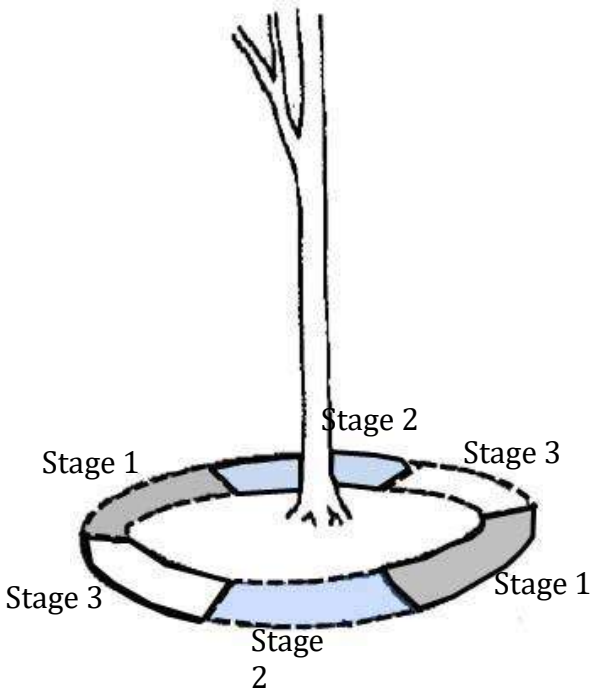
The four stages are:

(a) 1st stage – Dig a trench on the outside of the marked circumferencein only two opposing segments;

(b) 2nd stage – After a period of no less than 1 month since the 1st root pruning, dig a trench on the outside of the marked circumference in the adjacent two opposing segments;

(c) 3rd stage – After another period of no less than 1 month since the2nd root pruning, dig a trench on the outside of the marked circumference, in the remaining two opposing segments; and

(d) 4th stage – After a further period of not less than 1 month since the 3rd root pruning, prepare the root ball and cut the underside of the root ball followed by uplifting and transplanting.



The 4th stage in preparing the root ball by cutting its underside

Figure 1 Stage digging

4.4.2 The width and depth of trench will vary for different trees and the excavated trench shall be backfilled with amended soil mix with growthhormones to encourage the growth of the fibrous absorption roots at theregion of the cut zone.

Photo 4
Signs of minor lateral roots are found on the peripheral of the root ball ofa tree due for transplanting

4.4.3 Cuts must be clean to avoid tearing or breaking the roots. All cut roots shall be trimmed cleanly back to the healthy tissues to reduce the split and torn roots. Sharp cut ends can promote a flush of new fibrous roots,helping the trees recover faster from injuries.

Photo 5
Root cutting should be carefully arranged so that healthy roots can bepreserved and no major feeding roots are unnecessarily pruned

4.5 Crown pruning

4.5.1 Pruning of tree crown during transplanting may not be necessarily beneficial to the trees as thinning the crown can reduce the tree's capability in making food and building up reserves. Excessive pruningcan ruin the natural form of a tree and reduce photosynthesis.

Photo 6
Wrong technique!!! Don't top, remove or prune substantially before transplanting. Topping will undermine health and structure and the affectedtree may become a potential hazard

4.5.2 Crown cleaning however can be carried out to remove unhealthy, damaged, diseased, dead and crossed branches so as to minimise susceptibility to pests and diseases.

4.6 Pre-lifting operations

4.6.1 Tree lifting operations shall be carefully timed so as to enable direct delivery to the receptor site. No transplanting operations should commence until either the receptor site or the holding nursery is fully prepared. Tree uplifted must be transplanted and watered the same day.Watering before lifting is recommended.

4.6.2 Before uplifting, the outer edge of the previously dug trenches shall be loosened from the surrounding soil, and the root ball can be shaped withtaper on the sides, slanting inward toward the base. The first cut around the perimeter of the root ball should be made with a sharp tool. Cuts should be clean to avoid tearing or breaking the roots. The shaping and final cuts should be done by hand. Do not stand on the root ball during the process. The root ball should stand on a pedestal of soil for shaping and bur-lapping before it is undercut.

Photo 7
When the surrounding soil is removed, the base of the root ball should beslanted inward to facilitate the lifting operation

Photo 8
Wrong technique!!! Substandard size of a root ball will adversely affect thesurvival rate of a transplanted tree

4.6.3 Damp hessian is placed on the sides and across the tip of the ball and pinned. The hessian should cover the full circumference of the root ball with bottom skirt hanging out. This skirt is pinned to the root ball later after the tree is taken out of the hole. The base of the root ball should alsobe properly wrapped. This hessian shall be kept moist throughout the time of uplifting until the uplifted tree is transplanted in its new location.

Photo 9
Hessian should cover the full circumference of the root ball

4.7 Temporary support of trees before lifting

4.7.1 A tree after root pruning may not be having extensive root support during the interim of the transplanting process. It may be vulnerable to inclement weather, such as typhoon or heavy rainfall.

4.7.2 Removal of the root system may sometimes aggravate the natural form and balance of a tree and is prone to tree failure. When the stability of atree is likely to be jeopardized, a temporary support, such as guying or simple prop is essential and important before the tree is delivered to thetransit nursery or to the new receptor site.

4.7.3 Where appropriate, robust protective fencing to fence off the area of a tree undergoing stage cutting may be required. Regular inspection shouldalso be made to adjust the physical support and to check for the stability

of the tree, in particular after the passage of inclement weather, so that corrective action can be timely arranged.

4.8 Lifting and handling of root-balled trees

4.8.1 The root ball should be properly wrapped before lifting. Lifting should bedone by direct lift, with padded protection for the tree, using a machine ofappropriate capacity connected to the support around the root ball, not to any other part of the tree. Tree should not be lifted by the trunk as this can cause serious trunk injury but by its root ball which should be properly prepared and wrapped. Root balls that are not properly protectedwould easily collapse during transplanting due to its own weight.

Photo 11
Proper lifting up by the root ball, not by the trunk

4.8.2 Root ball without proper wrapping whether it is because of improper lifting method or being deformed during the lifting operation should notbe allowed.

Photo 12
Wrong technique!!!!The base of the root ball should be properly wrappedand protected before and during lifting. A loose root ball base without wrapping is unacceptable.

Photo 13
Wrong technique!!!!Other than lifting the tree by its trunk which will damage the tree, many major roots have been severed and the size of theroot ball is not adequate and not properly wrapped will undermine its survival chance after transplanting

4.8.3 It is essential that self-tightening slings around the trunk or branches should not be used as, when tensioned, they will bruise or rupture thebark and could lead to tree death.

Photo 14
Wrong technique!!!!Lifting by the tree trunk will cause irreversibledamage leading to the death of a tree

4.8.4 The branches should be tied to prevent injury. Do not tie so tightly that asharp bend is created that could compress or break the branches. The trunk and branches should be padded with several thickness of burlap to prevent damages and injury during the transplanting operation.

4.9 Boxed root ball

4.9.1 Trees in reinforced burlaps are more resistant to root damage during transportation. This is a recommendable method of transplanting as theroot ball is well protected and lifting of the boxed root ball during transplanting will give better protection during the transplanting operation and enhance better establishment of the tree afterwards.

Photos 15
Tree is well protected in a boxed burlap during transplanting

4.10 Protection during transportation

4.10.1 Trees are often too tall to be transplanted in the upright position and are tipped to a horizontal position. Root ball may be flattened during transportation. When trees are being loaded on a lorry or trailer bed, caremust be taken to avoid injuring the tree or breaking the soil ball. Crown of the tree should be carefully wrapped to minimise the risk of drying, branch damage due to excessive movements, and wind damage.

4.11 Preparation of receptor site

4.11.1 Trees will not tolerate highly compacted soil, which should be broken upover as large an area of the site as possible. Planting pits should be provided with drainage to allow effective percolation of water.

4.11.2 During pit preparation, the existing topsoil ploughed from digging should be stripped and put aside for reuse as much as possible and to avoid a distinct interface between the planting pit and the surroundingsoil.

4.11.3 The width and the final depth of a planting hole are determined by the depth and firmness of the root ball and other characteristics of the site. The soil directly beneath the root ball should be undistributed or preparedto prevent settling.

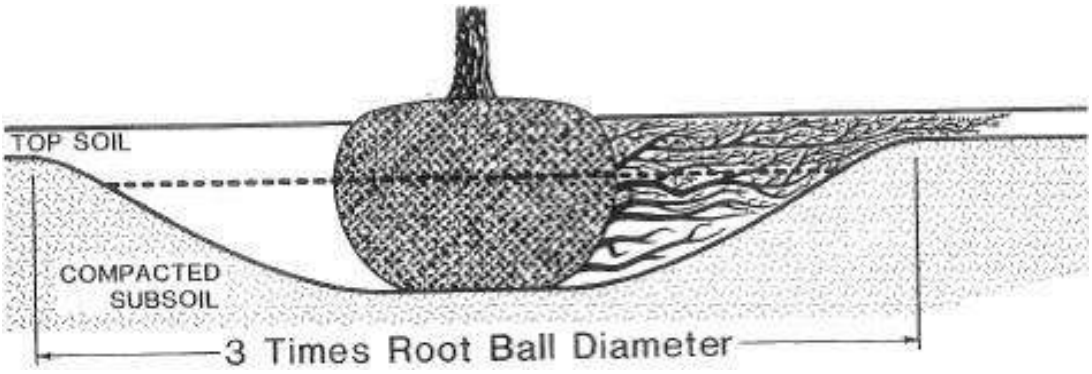


Figure 2
A planting hole that is two to three times the width of the rootball at the surfaceis optimum for most situations. Roots will grow vigorously toward the better soils near the surface (dotted line) rather than being trapped in the planting hole. (Watson and Himelick, 1997)

4.11.4 In general, the depth of the planting hole shall not exceed the depth of the root ball and the sides of the planting hole should be scarified. In general, the planting hole width should follow international practice[7] at aminimum of 1.5 times the diameter of the rootball to suit the location.

4.12 Planting

4.12.1 Tree should preferably be placed in the same orientation from whichthey originated.

4.12.2 All root ball supporting materials should be removed from the plantinghole prior to final back filling. Crown wrappings and fastenings used to tie in the branches for transport should be removed. Any branches damaged in transit should be properly pruned back to the nearest branchbark ridge.

4.12 Planting

4.12.1 Tree should preferably be placed in the same orientation from whichthey originated.

4.12.2 All root ball supporting materials should be removed from the plantinghole prior to final back filling. Crown wrappings and fastenings used to tie in the branches for transport should be removed. Any branches damaged in transit should be properly pruned back to the nearest branchbark ridge.

4.12.3 When finally set, the top surface of the root ball should not be below the surrounding soil. The bottom of the trunk flare should be at or above the finished grade. The back-fill soil shall be reinstated and settled in layered sections to limit future settling and prevent air pockets. It shall not be compacted to a density that inhibits root growth.

4.12.4 The backfill soil should be tamped firmly around the base to stabilise a tree, but the rest of the soil should be tamped only lightly, or left to settleon its own. Water should be added to the root ball and the backfill to bring the root ball to field capacity. Soaking will assist in settling the soilnaturally.

4.12.5 Tree should be secured in position either by guys and stakes or by underground guying, as appropriate.

4.12.6 Immediately following planting and where appropriate, a soil saucer canbe formed on the soil surface around the edge of the root ball circumference to permit rain or irrigation water to be retained and slowlyinfiltrate into the root ball perimeter.

4.13 Trees at the holding nursery

4.13.1 In some occasions, trees have to be temporarily moved to a holding nursery before the permanent receptor site is ready.

4.13.2 Transplanted trees temporarily kept at the transit nursery in general donot have strong and far reaching root system to support themselves. Proper supports should be therefore considered and applied where appropriate to the trees during their stay at the transit nursery until theyare permanently relocated to the receptor sites.

4.13.3 Primary stress after transplanting is mostly due to drought stress. It is important to note that a tree kept in a root ball may not hold as much water as it is necessary to sustain its growth to recover from the stress. Hence it is important that all the transplanted trees should have a properwatering programme as part of the daily maintenance work in the transitnursery.

4.13.4 Trees normally should not be placed in the transit nursery for more than two growing seasons. Care should be taken to ensure that roots will not grow kinked or become girdled. When roots encounter the container wall,they can be deflected up, down, or around the inside of the container wall. Girdling roots are damaging in the long run as they restrict the flow in the vascular system and can cause stress and eventually death of the

tree and therefore should be avoided. Girdling roots would not allow normal spread of roots which in time would provide a better support to the tree. Hence girdling roots would compromise structural stability of atree.

5 Post-planting Care

5.1 All newly planted trees are subject to stress until a normal spreading root system has developed. The primary objective of planting site preparationis to provide a quantity of backfill soil that promotes rapid initial root development and does not restrict root spread beyond the planting hole.

5.2 If trees are transplanted within the project site amidst the construction activities, they should be well protected with robust fencing.

Photo 16
Newly transplanted should be protected with robust protective fencing from all construction activities and adequate protective measures shouldbe in place to avoid adding further stress to the trees

5.3 All newly transplanted trees should receive proper maintenance care in order to facilitate recovery of tree from the transplanting shock. It wouldbe necessary to ensure the tree is stable before its root system is fully recovered to give support.

5.4 The stress of a tree can be observed immediately after transplanting or gradually after a period of time. Proper care after transplanting will help to assure survival and minimise stress and ensure a higher successful rate. Maintenance is a continuation of the transplanting process. Efforts and expenses can be wasted if trees are not given proper care after transplanting. Continued stresses and slackening growth can be visible during the initial transplanting period. Corrective actions should be adopted before further decline of the tree.

5.5 Mulching and watering

5.5.1 Mulch can be used to conserve soil moisture, to buffer soil temperature extremes, to control weeds and other competing vegetation, and to replenish organic matters and nutrients in the soil. A well-established layer of mulch can hold more water than the soil itself, without decreasing soil aeration. Mulch should not be placed too close to the treetrunk or root collar.

5.5.2 The size of the mulched area depends on the size of the tree. Mulch layeraround 5cm thick usually covers the area where roots will grow during the first two years after planting. However mulch used should be free from pests and diseases. The root zone and base of trees should be free from shrubs or other planting to facilitate the proper establishment of trees.

5.5.3 Weed growth should be suppressed at the tree pit.

5.5.4 Sufficient and appropriate watering is important for the proper root growth. Provision should be made for watering, allowing for total wettingof the rooting volume to minimise susceptibility to stress and assure survival.

5.6 Support above and below ground

5.6.1 Staking or initial guying may help retain a tree in an upright position until sufficient roots are developed to anchor the tree . Guys and stakes and ties should be removed, replaced or adjusted as necessary to ensure their effectiveness and to prevent constriction or abrasion damage to the tree.

5.6.2 In general, the supports can be removed after the tree establishment. Supports that stay too long without proper adjustment will do more harmthan good to the trees.

5.7 Use of chemicals

5.7.1 Fertilisation may be unnecessary unless nutrient deficiency is confirmed. Moderate release of nutrients by decomposition of both mulch and organic matter added to backfill soil may be sufficient during the initial establishment period. Fertiliser burn is an obvious symptom of having insufficient water in a plant associated with an over application of fertiliser.

5.7.2 Wound dressings and tree paints have not been proven to be effective in preventing or reducing decay. They are not usually recommended unless specified for control of disease, borers, Loranthus longiflorus or Cuscuta reflexa.

6 Transplanting of palms

6.1 Palms are monocots and do not have a cambium capable of generatingnew tissue to cover injured areas. Hence it is important to avoid any mechanical damage to the trunks of palms during the transplanting operation.

6.2 Palms do not have lush foliage. Excessive removal of healthy frondsoffers little or no benefits. Terminal buds of palms must be carefully protected since it is from where the new growth develops.

Photo 17
Wrong technique!!!!!Excessive and unnecessary removal of fronds willfurther stress a palm which will induce a longer recovery time from thetransplanting shock

6.3 Palms are relatively easy to transplant because, as monocots, they have an adventitious root system composed of numerous fibrous primary roots that grow independently and periodically from the root initiation zone that radiate out from the base of the trunk with little or no branching; and as such a smaller root ball may be adequate. However, the root ball should have adequate mass and depth to structurally support the palm. The minimum root ball radius should also follow international practice of6 inches (15 cm) from the base of the trunk at ground level. Root balls larger than the minimum radius shall be preferred.

6.4 Palms that have been subjected to continued stresses caused by severe nutritional or water deficiencies often display a constriction of the trunk corresponding to the period of time during which the stress occurred (Watson and Himelick, 2013). Hence it is important to ensure that palmsshould quickly be re-established to recover from the transplanting stresses.

7.0 Additional inputs given by Prof. Barik (Ref: Thara Madam)

7.1 Microbial inoculum consisting of Nutrient solubilising bacteria and Trichoderma fungus to be added to the soil around tree after transplanting.

7.2 Trees to be heavily watered after transplanting for at least a week.

7.3 Ensure that adequate root ball size with the soil from transplanting site is transported with the tree.

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CCS 123 - List of trees to transplant and retain as of 27-May-2021 (As per the updates from meeting with the DCF West on 25/05/21)						
S.No	**TREENOS**	**SPREAD**	**HEIGHT**	**GRITH**	**TREENAME**	**Action**
1	**B1**	6	12	1.15	Semal	Retain
2	**B2**	1	6	0.2	Ashoka	Retain
3	**B3**	4	11	0.75	Semal	Retain
4	**B4**	15	12	2.2	Jamun	Transplant
5	**B5**	1	2.5	0.06	Neem	Transplant
6	**B6**	1	3	0.03	Neem	Transplant
7	**B7**	1.3	2.5	0.025	Shahtut	Retain
8	**B8**	1	1	0.04	Putranjiva	Retain
9	**B9**	1	2	0.02	Neem	Transplant
10	**B10**	2	1.8	0.2	Bottlebrush	Retain
11	**B11**	5	7	0.55	Ashoka	Retain
12	**B12**	7	5.5	0.8	Ficus	Retain
13	**B13**	6	7	0.65	Ficus	Transplant
14	**B14**	3	3	0.3	Champa	Retain
15	**B15**	4	2.5	0.35	Champa	Retain
16	**B16**	1	2.8	0.2	Neem	Retain
17	**B17**	1	2	0.2	Sagwan	Retain
18	**B18A**	1	2	0.03	Cascabela	Retain
19	**B18B**	1	2	0.045	Cascabela	Retain
20	**B18C**	1	1.5	0.09	Cascabela	Retain
21	**B19**	3	2.5	0.35	Champa	Retain
22	**B20**	12	13	1.7	Pipal	Transplant
23	**B21**	6	9	1	Gular	Transplant
24	**B22**	14	13	1.3	Magnolia	Transplant
25	**B23A**	8	15	2.2	Pipal	Transplant
26	**B23B**	0.3	0.8	0.16	Pipal	Transplant
27	**B24**	13	17	2.5	Semal	Transplant
28	**B25**	13	11	1.8	Neem	Transplant
29	**B26**	10	12	1.4	Gular	Transplant
30	**B27**	6	6	0.7	Jamun	Transplant
31	**B28**	13	13	1.65	Neem	Transplant
32	**B29**	16	17	4.4	Semal	Transplant
33	**B30**	18	12	3.85	Gular	Transplant
34	**B31**	8	12	1.9	Kikar	Transplant
35	**B32**	10	8	1.7	Kikar	Transplant
36	**B33A**	10	10	1.9	Kikar	Transplant
37	**B33B**	1	3	0.15	Kikar	Transplant
38	**B33C**	1	3	0.15	Kikar	Transplant
39	**B34**	7	12	1.4	Sagwan	Retain
40	**B35**	5	7	0.8	Sagwan	Retain
41	**B36A**	1	2	0.04	Shahtut	Retain
42	**B36B**	1	2	0.04	Shahtut	Retain
43	**B36C**	1	2	0.03	Shahtut	Retain
44	**B37**	1	2	0.11	Sagwan	Retain
45	**B38A**	1	2	0.03	Shahtut	Retain
46	**B38B**	1	2	0.02	Shahtut	Retain
47	**B39**	1	2.5	0.07	Shahtut	Retain

48	**B40**	1	2.5	0.08	Shahtut	Retain
49	**B41**	1	2	0.05	Shahtut	Retain
50	**B42**	1	1.5	0.03	Shahtut	Retain
51	**B43**	5	8	0.8	Sagwan	Retain
52	**B44**	3	6	0.35	Sagwan	Retain
53	**B45**	7	8	0.85	Neem	Transplant
54	**B46**	10	14	2.4	Jamun	Transplant
55	**B47A**	2	2	0.25	Gular	Transplant
56	**B47B**	1	2	0.2	Gular	Transplant
57	**B48**	1	2.5	0.2	Sagwan	Transplant
58	**B49**	10	13	1.6	Neem	Transplant
59	**B50**	3	6	0.45	Sagwan	Retain
60	**B51A**	5	9	0.6	Sagwan	Retain
61	**B51B**	3	5	0.45	Sagwan	Retain
62	**B52**	7	10	1	Sagwan	Retain
63	**B53**	14	12	2.05	Neem	Retain
64	**B54A**	10	10	1.2	Gular	Retain
65	**B54B**	1.5	3	0.35	Gular	Retain
66	**B54C**	1.5	3	0.3	Gular	Retain
67	**B54D**	1	2	0.5	Gular	Retain
68	**B54E**	1	2	0.6	Gular	Retain
69	**B54F**	1	2	0.15	Gular	Retain
70	**B55**	14	14	2.45	Jamun	Transplant
71	**B56**	1.5	2.2	0.08	Sagwan	Retain
72	**B57**	1	1	0.03	Putranjiva	Retain
73	**B58**	1	1.2	0.06	Beech	Retain
74	**B59**	0.4	1.1	0.025	Neem	Retain
75	**B60A**	1.5	2	0.05	Shahtut	Retain
76	**B60B**	1.5	2	0.06	Shahtut	Retain
77	**B61**	0.5	1.2	0.06	Semal	Retain
78	**B62A**	6	8	0.8	Shahtut	Transplant
79	**B62B**	1.5	1.2	0.15	Shahtut	Transplant
80	**B63**	3	5	0.55	Kikar	Transplant
81	**B64**	8	10	1.6	Kikar	Transplant
82	**B65**	10	13	2.1	Jamun	Transplant
83	**B66A**	10	13	1.3	Kikar	Transplant
84	**B66B**	3	7	0.4	Kikar	Transplant
85	**B67**	9	8	1.3	Kikar	Transplant
86	**B68**	13	15	3	Pipal	Transplant
87	**B69A**	1	1.5	0.12	Flower	Transplant
88	**B69B**	1	1.2	0.11	Flower	Transplant
89	**B69C**	1	1.1	0.1	Flower	Transplant
90	**B70**	5	9	0.85	Kikar	Transplant
91	**B71**	9	12	1.3	Kikar	Transplant
92	**B72**	8	15	2.2	Semal	Transplant
93	**B73**	10	15	2.1	Semal	Transplant
94	**B74**	7	7	0.85	Bair	Transplant
95	**B75**	9	14	1.2	Neem	Transplant
96	**B76**	1	1.2	0.02	Shahtut	Transplant
97	**B77A**	6	10	1.15	Bair	Transplant
98	**B77B**	6	8	0.9	Bair	Transplant

99	**B77C**	6	8	0.75	Bair	Transplant
100	**B78**	16	14	2	Neem	Transplant
101	**B79**	14	14	1.9	Neem	Transplant
102	**B80**	10	8	1.15	Jamun	Transplant
103	**B81**	2	3	0.11	Bottlebrush	Transplant
104	**B82**	2	5	0.3	Ashoka	Transplant
105	**B83**	1.5	2	0.07	Shahtut	Transplant
106	**B84**	0.4	1.7	0.06	Shahtut	Transplant
107	**B85**	1	3	0.05	Neem	Transplant
108	**B86**	1	2	0.07	Neem	Transplant
109	**B87**	2	5	0.35	Ashoka	Transplant
110	**B88**	2	2	0.35	Champa	Transplant
111	**B89**	1.2	2.5	0.15	Bottlebrush	Transplant
112	**B90**	3	2.5	0.3	Champa	Transplant
113	**B91**	8	13	1.25	Gular	Transplant
114	**B92**	1.2	2.2	0.11	Bottlebrush	Transplant
115	**B93**	0.3	1	0.025	Neem	Transplant
116	**B94**	15	17	2.9	Pipal	Transplant
117	**B95**	1	2	0.06	Neem	Transplant
118	**B96**	0.5	1.2	0.03	Neem	Transplant
119	**B97**	14	17	3.35	Semal	Transplant
120	**B98A**	2	3	0.25	Ficus	Transplant
121	**B98B**	2	3	0.25	Ficus	Transplant
122	**B98C**	2	3	0.2	Ficus	Transplant
123	**B98D**	2	3	0.2	Ficus	Transplant
124	**B99A**	0.4	1	0.03	Beech	Transplant
125	**B99B**	0.2	1	0.02	Beech	Transplant
126	**B99C**	0.4	1	0.03	Beech	Transplant
127	**B100**	12	17	2.05	Semal	Transplant
128	**B101**	8	15	1.7	Semal	Transplant
129	**B102**	3	3	0.55	Champa	Transplant
130	**B103**	3	5	0.5	Bottlebrush	Transplant
131	**B104**	4	2.5	0.6	Champa	Transplant
132	**B105**	4	6	0.65	Bottlebrush	Transplant
133	**B106**	5	3	0.6	Champa	Transplant
134	**B107**	4	6	0.6	Bottlebrush	Transplant
135	**B108**	4	4	0.55	Champa	Transplant
136	**B109**	14	8	0.65	Ashoka	Transplant
137	**B110**	3	5	0.35	Ashoka	Transplant
138	**B111**	4	1	0.6	Ashoka	Transplant
139	**B112**	3	5	0.3	Ashoka	Transplant
140	**B113**	3	6	0.4	Ashoka	Transplant
141	**B114**	3	9	1	Palm	Transplant
142	**B115**	4	8	0.7	Ashoka	Transplant
143	**B116**	5	9	0.75	Ashoka	Transplant
144	**B117A**	1	2	0.12	Jasmine	Transplant
145	**B117B**	1	2	0.07	Jasmine	Transplant
146	**B117C**	1	2	0.05	Jasmine	Transplant
147	**B117D**	1	2	0.08	Jasmine	Transplant
148	**B117E**	1	2	0.12	Jasmine	Transplant
149	**B117F**	1	2	0.12	Jasmine	Transplant

150	**B117G**	1	2	0.06	Jasmine	Transplant
151	**B117H**	1	2	0.16	Jasmine	Transplant
152	**B117I**	1	2	0.9	Jasmine	Transplant
153	**B117J**	1	2	0.6	Jasmine	Transplant
154	**B117K**	1	2	0.25	Jasmine	Transplant
155	**B118**	6	6	0.75	Ashoka	Transplant
156	**B119**	3	6	0.65	Ashoka	Transplant
157	**B120**	3	8	0.95	Palm	Transplant
158	**B121**	5	8	0.8	Ashoka	Transplant
159	**B122**	5	8	0.85	Ashoka	Transplant
160	**B123A**	1.5	2	0.4	Ficus	Transplant
161	**B123B**	1	1.5	0.22	Ficus	Transplant
162	**B123C**	1	1.5	0.1	Ficus	Transplant
163	**B123D**	1	1.5	0.1	Ficus	Transplant
164	**B123E**	1	1.5	0.11	Ficus	Transplant
165	**B123F**	1	1.5	0.08	Ficus	Transplant
166	**B123G**	1	1.5	0.09	Ficus	Transplant
167	**B123H**	1	1.5	0.16	Ficus	Transplant
168	**B123I**	1	1.5	0.12	Ficus	Transplant
169	**B124**	5	9	0.75	Ashoka	Transplant
170	**B125**	0.4	1.2	0.03	Ashoka	Transplant
171	**B126**	2	1.7	0.15	Champa	Transplant
172	**B127**	2.5	2.5	0.15	Mangolia Champaca	Transplant
173	**B128**	4	2.5	0.45	Champa	Transplant
174	**B129**	4	5	0.85	Tulip	Transplant
175	**B130**	1	1.5	0.15	Champa	Transplant
176	**B131**	7	8	1	Arjun	Transplant
177	**B132**	3	2	0.3	Champa	Transplant
178	**B133**	6	8	0.9	Machkan	Transplant
179	**B134**	7	8	1.2	Acacia	Transplant
180	**B135A**	4	5	0.65	Cascabela	Transplant
181	**B135B**	3	4	0.5	Cascabela	Transplant
182	**B136**	7	8	0.9	Kadam	Transplant
183	**B137**	5	2.5	0.55	Champa	Transplant
184	**B138A**	2	3	0.2	Mangolia Champaca	Transplant
185	**B138B**	2	3	0.17	Mangolia Champaca	Transplant
186	**B138C**	2	2	0.15	Mangolia Champaca	Transplant
187	**B139A**	3	3	0.4	Cascabela	Transplant
188	**B139B**	3	3	0.4	Cascabela	Transplant
189	**B139C**	1	1	0.11	Cascabela	Transplant
190	**B139D**	3	5	0.7	Cascabela	Transplant
191	**B140**	10	10	1.4	Ficus	Transplant
192	**B141**	18	12	2.4	Ficus	Transplant
193	**B142**	2	4	0.2	Neem	Transplant
194	**B143**	12	13	2.9	Mango	Transplant
195	**B144**	17	18	2.2	Semal	Transplant
196	**B145**	2	2	0.5	Palm	Transplant
197	**B146**	2	2	0.55	Palm	Transplant
198	**B147**	2	2	0.4	Palm	Transplant
199	**B148**	2	2	0.3	Palm	Transplant
200	**B149**	2	2	0.3	Palm	Transplant

201	**B150**	2	2	0.35	Palm	Transplant
202	**B151**	1.5	1.4	0.3	Palm	Transplant
203	**B152**	2	3.5	0.2	Neem	Transplant
204	**B153**	0.4	1	0.025	Lagerstroemia	Transplant
205	**B154**	2	4	0.17	Neem	Transplant
206	**B155**	3	5	0.25	Gular	Transplant
207	**B156**	3	6	0.7	Ashoka	Transplant
208	**B157**	6	8	0.95	Ashoka	Transplant
209	**B158**	5	6	0.85	Ashoka	Transplant
210	**B159**	5	5	0.8	Ashoka	Transplant
211	**B160**	2.5	3	0.35	Mango	Transplant
212	**B161**	2	3	0.3	Semal	Transplant
213	**B162**	2	4	0.35	Semal	Transplant
214	**B163**	4	6	0.7	Ashoka	Transplant
215	**B164**	4	6	0.55	Ashoka	Transplant
216	**B165**	5	12	1.2	Ashoka	Transplant
217	**B166**	5	12	1.4	Ashoka	Transplant
218	**B167**	3	6	0.45	Ashoka	Transplant
219	**B168**	3	6	0.6	Ashoka	Transplant
220	**B169**	3	5	0.5	Ashoka	Transplant
221	**B170**	3	6	0.5	Ashoka	Transplant
222	**B171**	4	5	0.55	Ashoka	Transplant
223	**B172**	1	2	0.15	Mangolia Grandiflora	Transplant
224	**B173**	4	3	0.45	Champa	Transplant
225	**B174**	5	6	0.8	Ashoka	Transplant
226	**B175**	4	7	0.7	Ashoka	Transplant
227	**B176**	4	6	0.9	Ashoka	Transplant
228	**B177**	6	12	1.75	Alstonia Scholaris	Transplant
229	**B178**	0.8	1	0.08	Ficus	Transplant
230	**B179A**	20	20	4	Bargad	Transplant
231	**B179B**	0	0	0.45	Bargad	Transplant
232	**B179C**	0	0	0.25	Bargad	Transplant
233	**B179D**	0	0	1.1	Bargad	Transplant
234	**B179E**	0	0	0.2	Bargad	Transplant
235	**B179F**	0	0	0.4	Bargad	Transplant
236	**B179G**	0	0	0.35	Bargad	Transplant
237	**B179H**	0	0	0.45	Bargad	Transplant
238	**B179I**	0	0	0.15	Bargad	Transplant
239	**B179J**	0	0	0.15	Bargad	Transplant
240	**B179K**	0	0	0.2	Bargad	Transplant
241	**B180**	12	15	2.45	Pipal	Transplant
242	**B181**	20	20	5	Gular	Transplant
243	**B182**	9	14	2.55	Jamun	Transplant
244	**B183**	5	4	0.4	Champa	Transplant
245	**B184**	4	4	0.3	Bottlebrush	Transplant
246	**B185**	6	5	0.35	Champa	Transplant
247	**B186**	8	14	1.7	Semal	Transplant
248	**B187**	10	12	2.1	Ficus	Transplant
249	**B188**	4	3	0.3	Champa	Transplant
250	**B189**	6	4	0.3	Champa	Transplant
251	**B190**	8	15	1.2	Semal	Retain

252	**B191**	1	2.5	0.15	Sagwan	Retain
253	**B192**	2	3	0.11	Bottlebrush	Transplant
254	**B193**	5	5	0.35	Champa	Transplant
255	**B194**	1	1.2	0.11	Palm	Transplant
256	**B195**	1	1.2	0.08	Palm	Transplant
257	**B196**	1	1.2	0.12	Palm	Transplant
258	**B197**	1	1.2	0.12	Palm	Transplant
259	**B198**	1	1.2	0.16	Palm	Transplant
260	**B199**	2	2.5	0.15	Shisham	Transplant
261	**B200**	8	10	0.9	Ficus	Transplant
262	**B201**	2	1.6	0.14	Champa	Transplant
263	**B202**	4	5	0.35	Arjun	Transplant
264	**B203A**	2	2.5	0.2	Circaea Alpina	Transplant
265	**B203B**	2	2	0.15	Circaea Alpina	Transplant
266	**B204**	3	2	0.15	Arjun	Transplant
267	**B205A**	5	3.5	0.4	Circaea Alpina	Transplant
268	**B205B**	3	3	0.2	Circaea Alpina	Transplant
269	**B205C**	3	3	0.2	Circaea Alpina	Transplant
270	**B206**	2	1.5	0.2	Arjun	Transplant
271	**B207**	3.5	2.5	0.3	Circaea Alpina	Transplant
272	**B208**	3	3	0.2	Maple	Transplant
273	**B209A**	2	2	0.2	Circaea Alpina	Transplant
274	**B209B**	2	2	0.15	Circaea Alpina	Transplant
275	**B209C**	2	2	0.15	Circaea Alpina	Transplant
276	**B210**	3	2	0.18	Arjun	Transplant
277	**B211A**	2	3	0.2	Circaea Alpina	Transplant
278	**B211B**	2	3	0.2	Circaea Alpina	Transplant
279	**B212**	4	5	0.3	Magnolia	Transplant
280	**B213**	3	4	0.2	Orchid	Transplant
281	**B214**	1.5	2	0.14	Palm	Transplant
282	**B215A**	8	11	1.6	Shahtut	Transplant
283	**B215B**	8	10	1.5	Shahtut	Transplant
284	**B216**	1	1.5	0.2	Palm	Transplant
285	**B217**	1	1	0.15	Palm	Transplant
286	**B218**	8	10	1.95	Shahtut	Transplant
287	**B219**	1	1	0.2	Palm	Transplant
288	**B220**	1	1.5	0.35	Palm	Transplant
289	**B221**	2	2.5	0.08	Babool	Transplant
290	**B222**	2.5	4	0.22	Neem	Transplant
291	**B223A**	2	2.5	0.2	Champa	Transplant
292	**B223B**	2	2.5	0.25	Champa	Transplant
293	**B224**	3	2	0.3	Champa	Transplant
294	**B225**	8	9	1.35	Semal	Transplant
295	**B226A**	0.6	2.5	0.1	Champa	Transplant
296	**B227A**	3	2.5	0.2	Champa	Transplant
297	**B227B**	2	2	0.15	Champa	Transplant
298	**B228A**	3	2.5	0.25	Champa	Transplant
299	**B228B**	2.5	2.5	0.2	Champa	Transplant
300	**B229A**	3	2.5	0.25	Champa	Transplant
301	**B229B**	2.5	2.5	0.2	Champa	Transplant
302	**B230A**	3	2.5	0.22	Champa	Transplant

303	**B230B**	2	2	0.16	Champa	Transplant
304	**B230C**	2	2	0.15	Champa	Transplant
305	**B231**	5	7	0.75	Acacia	Transplant
306	**B232A**	3	2.5	0.22	Champa	Transplant
307	**B232B**	2	2	0.15	Champa	Transplant
308	**B233A**	1.5	2	0.2	Morus	Transplant
309	**B233B**	1.5	2	0.17	Morus	Transplant
310	**B233C**	1.5	2	0.15	Morus	Transplant
311	**B234A**	2	2.5	0.22	Champa	Transplant
312	**B234B**	2	2.5	0.17	Champa	Transplant
313	**B234C**	2	2.5	0.18	Champa	Transplant
314	**B234D**	2	2	0.15	Champa	Transplant
315	**B234E**	2	2	0.2	Champa	Transplant
316	**B235**	2	3	0.2	Neem	Transplant
317	**B236A**	1.5	3	0.4	Ticoma	Transplant
318	**B236B**	1.5	3	0.2	Ticoma	Transplant
319	**B236C**	1.5	3	0.35	Ticoma	Transplant
320	**B237A**	2	3	0.4	Ticoma	Transplant
321	**B237B**	2	3	0.2	Ticoma	Transplant
322	**B237C**	2	3	0.2	Ticoma	Transplant
323	**B237D**	2	3	0.15	Ticoma	Transplant
324	**B238A**	2	3	0.25	Ticoma	Transplant
325	**B238B**	2	3	0.35	Ticoma	Transplant
326	**B238C**	2	3	0.2	Ticoma	Transplant
327	**B238D**	2	3	0.15	Ticoma	Transplant
328	**B238E**	2	3	0.15	Ticoma	Transplant
329	**B239A**	2	3	0.25	Ticoma	Transplant
330	**B239B**	2	3	0.35	Ticoma	Transplant
331	**B239C**	2	3	0.3	Ticoma	Transplant
332	**B240A**	2	4	0.25	Ticoma	Transplant
333	**B240B**	2	4	0.2	Ticoma	Transplant
334	**B240C**	1.5	3	0.15	Ticoma	Transplant
335	**B241**	5	3	0.65	Jasmine	Transplant
336	**B242**	5	7	0.55	Kadam	Transplant
337	**B243**	2	6	0.3	Kadam	Transplant
338	**B244**	7	8	0.6	Kadam	Transplant
339	**B245**	7	8	0.65	Kadam	Transplant
340	**B246**	1.2	2	0.2	Ficus	Transplant
341	**B247**	1.5	1.2	0.9	Palm	Transplant
342	**B248**	1	1.7	0.03	Shahtut	Transplant
343	**B249**	1	2	0.09	Shahtut	Transplant
344	**B250**	1.5	3	0.09	Acacia	Transplant
345	**B251**	1	2	0.04	Acacia	Transplant
346	**B252**	1	2	0.04	Acacia	Transplant
347	**B253A**	1	2	0.1	Gular	Transplant
348	**B253B**	1	1.5	0.07	Gular	Transplant
349	**B253C**	1	1.5	0.06	Gular	Transplant
350	**B253D**	1	1.5	0.1	Gular	Transplant
351	**B253E**	1	1.5	0.05	Gular	Transplant
352	**B253F**	1	1.5	0.4	Gular	Transplant
353	**B254A**	1	2	0.1	Gular	Transplant

354	**B254B**	1	2	0.09	Gular	Transplant
355	**B254C**	1	2	0.08	Gular	Transplant
356	**B254D**	1	2	0.07	Gular	Transplant
357	**B254E**	1	2	0.07	Gular	Transplant
358	**B254F**	1	1.5	0.06	Gular	Transplant
359	**B254G**	1	1.5	0.06	Gular	Transplant
360	**B254H**	1	1.5	0.04	Gular	Transplant
361	**B254I**	1	1.5	0.03	Gular	Transplant
362	**B255**	1	2	0.04	Shahtut	Transplant
363	**B256**	1.5	2	0.09	Beech	Transplant
364	**B257**	1	2	0.045	Acacia	Transplant
365	**B258**	0.7	2	0.07	Mango	Transplant
366	**B259A**	2	3	0.06	Shahtut	Transplant
367	**B259B**	2	3	0.07	Shahtut	Transplant
368	**B260**	18	18	3.85	Pipal	Transplant
369	**B261**	1	1.5	0.07	Putranjiva	Transplant
370	**B262**	1	1.5	0.08	Putranjiva	Transplant
371	**B263**	18	15	2.75	Semal	Transplant
372	**B264**	8	10	1.15	Kikar	Transplant
373	**B265**	2.5	3	0.2	Shahtut	Transplant
374	**B266**	18	15	3.35	Pipal	Transplant
375	**B267**	4	3	0.45	Pipal	Transplant
376	**B268**	7	8	0.6	Pipal	Transplant
377	**B269**	8	15	1.4	Semal	Transplant
378	**B270A**	8	14	1.05	Gular	Transplant
379	**B270B**	4	6	0.45	Gular	Transplant
380	**B271**	7	13	1.2	Acacia	Transplant
381	**B272**	8	13	1.3	Acacia	Transplant
382	**B273**	6	6	0.8	Gular	Transplant
383	**B274**	3	3.5	0.4	Shahtut	Transplant
384	**B275**	2	4	0.35	Shahtut	Transplant
385	**B276**	12	10	1.45	Shahtut	Transplant
386	**B277**	8	7	1.6	Shahtut	Transplant
387	**B278**	10	7	1.5	Shahtut	Transplant
388	**B279**	1	2	0.06	Gular	Transplant
389	**B280**	15	15	3.4	Mango	Transplant
390	**B281**	10	10	2.2	Shahtut	Transplant
391	**B282A**	2	3	0.16	Acacia	Transplant
392	**B282B**	2	3	0.15	Acacia	Transplant
393	**B282C**	2	4	0.17	Acacia	Transplant
394	**B283**	12	14	2.95	Gular	Transplant
395	**B284A**	4	8	1.4	Shahtut	Transplant
396	**B284B**	4	8	1.3	Shahtut	Transplant
397	**B285A**	1	1.5	0.12	Ficus	Transplant
398	**B285B**	1	1.5	0.1	Ficus	Transplant
399	**B285C**	1	1	0.08	Ficus	Transplant
400	**B286**	8	8	1.8	Alstonia Scholaris	Transplant
401	**B287**	1	2	0.2	Ficus	Transplant
402	**B288A**	1	2	0.17	Ficus	Transplant
403	**B288B**	1	2	0.1	Ficus	Transplant
404	**B288C**	1	2	0.08	Ficus	Transplant

405	**B288D**	1	2	0.06	Ficus	Transplant
406	**B289A**	1	2	0.2	Ficus	Transplant
407	**B289B**	1	1.5	0.1	Ficus	Transplant
408	**B290**	16	12	4.05	Pipal	Transplant
409	**B291**	1.5	2.5	0.25	Kadam	Transplant
410	**B292**	6	6	0.65	Acacia	Transplant
411	**B293**	5	5	0.8	Gular	Transplant
412	**B294**	3	3	0.35	Amla	Transplant
413	**B295**	5	10	0.65	Pipal	Transplant
414	**B296**	5	5	0.45	Wood Apple	Transplant
415	**B297**	7	8	1.05	Neem	Transplant
416	**B298**	4	7	0.55	Neem	Transplant
417	**B299A**	1.5	2	0.1	Lemon	Transplant
418	**B299B**	1.5	2	0.08	Lemon	Transplant
419	**B299C**	1	2	0.07	Lemon	Transplant
420	**B299D**	1	2	0.06	Lemon	Transplant
421	**B300**	6	9	0.9	Bakayan	Transplant
422	**B301A**	3	4	0.3	Amla	Transplant
423	**B301B**	3	4	0.2	Amla	Transplant
424	**B302A**	2	2.5	0.15	Lemon	Transplant
425	**B302B**	2	2.5	0.2	Lemon	Transplant
426	**B302C**	1	1.2	0.11	Lemon	Transplant
427	**B302D**	1	1.2	0.08	Lemon	Transplant
428	**B302E**	1	1	0.08	Lemon	Transplant
429	**B303**	1	2	0.06	Shahtut	Transplant
430	**B304A**	1.5	2	0.17	Pipal	Transplant
431	**B304B**	1.5	2	0.2	Pipal	Transplant
432	**B305A**	8	13	1.8	Pipal	Transplant
433	**B305B**	8	11	1.2	Pipal	Transplant
434	**B305C**	3	4	0.25	Pipal	Transplant
435	**B306**	12	14	2.15	Neem	Transplant
436	**B307**	12	13	2.4	Neem	Transplant
437	**B308A1**	0	0	0.9	Bargad	Retain
438	**B308A2**	0	0	0.8	Bargad	Retain
439	**B308A3**	0	0	0.4	Bargad	Retain
440	**B308A4**	0	0	0.35	Bargad	Retain
441	**B308A5**	0	0	0.3	Bargad	Retain
442	**B308A6**	0	0	0.15	Bargad	Retain
443	**B308A7**	0	0	0.8	Bargad	Retain
444	**B308A8**	0	0	0.7	Bargad	Retain
445	**B308A9**	0	0	0.4	Bargad	Retain
446	**B308A10**	0	0	0.55	Bargad	Retain
447	**B308A11**	0	0	1.1	Bargad	Retain
448	**B308A12**	0	0	0.95	Bargad	Retain
449	**B308A13**	0	0	0.3	Bargad	Retain
450	**B308A14**	0	0	0.2	Bargad	Retain
451	**B308A15**	0	0	0.18	Bargad	Retain
452	**B308A16**	0	0	0.18	Bargad	Retain
453	**B308A17**	0	0	0.2	Bargad	Retain
454	**B308A18**	0	0	0.4	Bargad	Retain
455	**B308A19**	0	0	0.15	Bargad	Retain

456	**B308A20**	0	0	0.4	Bargad	Retain
457	**B308A21**	0	0	0.25	Bargad	Retain
458	**B308A**	20	18	5	Bargad	Retain
459	**B308B**	0	0	0.4	Bargad	Retain
460	**B308C**	0	0	0.5	Bargad	Retain
461	**B308D**	0	0	0.6	Bargad	Retain
462	**B308E**	0	0	0.2	Bargad	Retain
463	**B308F**	0	0	0.5	Bargad	Retain
464	**B308G**	0	0	0.2	Bargad	Retain
465	**B308H**	0	0	0.25	Bargad	Retain
466	**B308I**	0	0	0.2	Bargad	Retain
467	**B308J**	0	0	0.15	Bargad	Retain
468	**B308K**	0	0	0.55	Bargad	Retain
469	**B308L**	0	0	0.2	Bargad	Retain
470	**B308M**	0	0	0.15	Bargad	Retain
471	**B308N**	0	0	0.2	Bargad	Retain
472	**B308O**	0	0	0.8	Bargad	Retain
473	**B308P**	0	0	0.7	Bargad	Retain
474	**B308Q**	0	0	0.3	Bargad	Retain
475	**B308R**	0	0	0.3	Bargad	Retain
476	**B308S**	0	0	1.2	Bargad	Retain
477	**B308T**	0	0	0.3	Bargad	Retain
478	**B308U**	0	0	0.2	Bargad	Retain
479	**B308V**	0	0	0.15	Bargad	Retain
480	**B308W**	0	0	0.2	Bargad	Retain
481	**B308X**	0	0	1.4	Bargad	Retain
482	**B308Y**	0	0	0.15	Bargad	Retain
483	**B308Z**	0	0	0.7	Bargad	Retain
484	**B309**	3	6	0.45	Kikar	Retain
485	**B310**	10	15	2.3	Pipal	Retain
486	**B311**	3	6	0.35	Kikar	Retain
487	**B312**	7	10	1.4	Kikar	Retain
488	**B313**	3	7	0.5	Kikar	Retain
489	**B314**	1	3	1.1	Kikar	Retain
490	**B315**	4	7	0.9	Gular	Retain
491	**B316**	3	3	0.55	Kikar	Retain
492	**B317**	5	8	0.5	Kikar	Retain
493	**B318**	4	6	0.4	Ficus	Retain
494	**B319**	15	14	2.8	Neem	Retain
495	**B320**	5	7	0.55	Ficus	Retain
496	**B321**	2	2	0.15	Acacia	Transplant
497	**B322**	2.5	2.5	0.15	Kusum	Transplant
498	**B323A**	2	3	0.3	Bengal Currant	Transplant
499	**B323B**	2	2.5	0.25	Bengal Currant	Transplant
500	**B324**	3	3.5	0.3	Champa	Transplant
501	**B325A**	2	3	0.35	Circaea Alpina	Transplant
502	**B325B**	1.5	3	0.2	Circaea Alpina	Transplant
503	**B326**	2	2	0.25	Jamun	Transplant
504	**B327**	1	1.5	0.8	Kusum	Transplant
505	**B328**	5	8	0.55	Kusum	Transplant
506	**B329**	7	8	0.8	Machkan	Transplant

507	**B330**	6	8	0.6	Kadam	Transplant
508	**B331**	4	5	0.3	Neem	Transplant
509	**B332**	4	6	0.75	Magnolia	Transplant
510	**B333A**	0.3	1.5	0.07	Flower	Transplant
511	**B333B**	0.3	1.5	0.07	Flower	Transplant
512	**B333C**	0.3	1.5	0.07	Flower	Transplant
513	**B333D**	0.3	1.5	0.06	Flower	Transplant
514	**B333E**	0.3	1.5	0.06	Flower	Transplant
515	**B333F**	0.3	1.5	0.06	Flower	Transplant
516	**B333G**	0.3	1.5	0.06	Flower	Transplant
517	**B333H**	0.3	1.5	0.05	Flower	Transplant
518	**B333I**	0.3	1.5	0.05	Flower	Transplant
519	**B333J**	0.3	1.5	0.05	Flower	Transplant
520	**B333K**	0.3	1.5	0.05	Flower	Transplant
521	**B333L**	0.3	1.5	0.05	Flower	Transplant
522	**B333M**	0.3	1.5	0.05	Flower	Transplant
523	**B333N**	0.3	1.5	0.04	Flower	Transplant
524	**B333O**	0.3	1.5	0.04	Flower	Transplant
525	**B333P**	0.3	1.5	0.04	Flower	Transplant
526	**B333Q**	0.3	1.5	0.04	Flower	Transplant
527	**B334**	6	8	0.85	Kadam	Transplant
528	**B335A**	1	2	0.2	Ficus	Transplant
529	**B335B**	1	2	0.15	Ficus	Transplant
530	**B335C**	1	2	0.12	Ficus	Transplant
531	**B335D**	1	2	0.12	Ficus	Transplant
532	**B335E**	1	2	0.08	Ficus	Transplant
533	**B335F**	1	2	0.09	Ficus	Transplant
534	**B335G**	1	2	0.1	Ficus	Transplant
535	**B336**	3	3	0.35	Jamun	Transplant
536	**B337**	4	4	0.45	Jamun	Transplant
537	**B338**	3	6	0.4	Pipal	Retain
538	**B339**	3	4	0.45	Pipal	Retain
539	**B340**	5	6	0.5	Kikar	Retain
540	**B341**	4	8	0.7	Kikar	Retain
541	**B342**	5	9	0.65	Ficus	Retain
542	**B343**	14	16	3	Pipal	Retain
543	**B344**	8	10	0.8	Ficus	Retain
544	**B345**	8	8	0.95	Shahtut	Retain
545	**B346**	6	14	1.2	Alstonia Scholaris	Retain
546	**B347**	10	15	2.2	Gular	Retain
547	**B348**	6	12	0.9	Kikar	Retain
548	**B349**	4	4	0.4	Ficus	Retain
549	**B350A**	1.5	3	0.2	Ficus	Retain
550	**B350B**	1.5	3	0.2	Ficus	Retain
551	**B350C**	1.5	3	0.2	Ficus	Retain
552	**B351**	5	6	0.65	Ashoka	Transplant
553	**B352**	4	7	0.6	Ashoka	Transplant
554	**B353**	4	3	0.25	Amla	Transplant
555	**B354**	6	5	0.65	Ashoka	Transplant
556	**B355A**	4	4	0.4	Amla	Transplant
557	**B355B**	2	3	0.2	Amla	Transplant

558	**B356**	3	7	0.55	Ashoka	Transplant
559	**B357**	3	9	0.65	Ashoka	Transplant
560	**B358**	3	6	0.6	Ashoka	Transplant
561	**B359**	9	8	1.1	Mango	Retain
562	**B360**	1.2	1.4	0.09	Jamun	Retain
563	**B361**	10	17	2.65	Safeda	Retain
564	**B362**	7	11	1	Neem	Retain
565	**B363**	3	6	0.65	Ashoka	Transplant
566	**B364**	3	6	0.6	Ashoka	Transplant
567	**B365**	3	6	0.25	Acacia	Transplant
568	**B366**	4	6	0.6	Ashoka	Transplant
569	**B367A**	1	1.2	0.1	Putranjiva	Transplant
570	**B367B**	1	1.2	0.07	Putranjiva	Transplant
571	**B367C**	1	1	0.08	Putranjiva	Transplant
572	**B367D**	1	1	0.06	Putranjiva	Transplant
573	**B368**	3	6	0.55	Ashoka	Transplant
574	**B369**	2	3	0.17	Putranjiva	Transplant
575	**B370**	3	5	0.45	Ashoka	Transplant
576	**B371A**	13	16	2.8	Pipal	Retain
577	**B371B**	12	15	2.2	Pipal	Retain
578	**B372**	20	16	3	Neem	Retain
579	**B373**	3	6	0.4	Ashoka	Transplant
580	**B374**	2	5	0.35	Ashoka	Transplant
581	**B375**	3	5	0.7	Palm	Transplant
582	**B376**	6	12	0.8	Sagwan	Transplant
583	**B377**	15	15	1.7	Mango	Transplant
584	**B378**	2	3	0.3	Ashoka	Transplant
585	**B379**	3	6	0.55	Ashoka	Transplant
586	**B380**	1	2	0.1	Arjun	Transplant
587	**B381**	3	3	0.2	Orchid	Transplant
588	**B382**	1	3.5	0.1	Arjun	Transplant
589	**B383**	4	5	0.55	Jamun	Retain
590	**B384**	1.5	1.5	0.25	Jamun	Retain
591	**B385**	14	18	3.1	Safeda	Retain
592	**B386**	2	2.5	0.1	Orchid	Transplant
593	**B387**	5	6	0.6	Ashoka	Transplant
594	**B388**	3	5	0.25	Arjun	Transplant
595	**B389**	2	5	0.15	Orchid	Transplant
596	**B390**	5	7	3	Shahtut	Retain
597	**B391**	6	6	0.9	Ficus	Retain
598	**B392**	4	6	0.55	Ashoka	Transplant
599	**B393**	2	3	0.15	Neem	Transplant
600	**B394**	4	6	0.6	Ashoka	Transplant
601	**B395**	3	8	0.9	Palm	Transplant
602	**B396**	2	4	0.2	Orchid	Transplant
603	**B397A**	1	1	0.08	Z1	Transplant
604	**B397B**	#N/A	#N/A	#N/A	#N/A	Transplant
605	**B398**	10	12	2.1	Mango	Retain
606	**B399**	1	2	0.15	Orchid	Transplant
607	**B400**	5	7	0.6	Ashoka	Transplant
608	**B401**	4	7	0.6	Ashoka	Transplant

609	**B402**	15	15	3.6	Gular	Transplant
610	**B403**	3	4	0.35	Ashoka	Transplant
611	**B404**	2	4	0.25	Ashoka	Transplant
612	**B405**	6	8	0.5	Magnolia	Transplant
613	**B406**	8	14	1.5	Jamun	Transplant
614	**B407**	7	7	0.55	Ficus	Transplant
615	**B408**	15	15	2.1	Neem	Transplant
616	**B409**	7	10	1.45	Shahtut	Transplant
617	**B410**	13	13	2	Gular	Transplant
618	**B411**	8	14	1.6	Jamun	Transplant
619	**B412**	9	12	1.25	Gular	Transplant
620	**B413A**	6	8	0.6	Acacia	Transplant
621	**B413B**	3	4	0.2	Acacia	Transplant
622	**B414**	6	7	0.6	Ficus	Transplant
623	**B415**	8	8	0.7	Ficus	Transplant
624	**B416**	15	15	3.5	Saras	Transplant
625	**B417**	7	9	0.9	Orchid	Transplant
626	**B418**	7	12	1	Ficus	Transplant
627	**B419**	5	7	0.65	Ficus	Transplant
628	**B420**	6	8	0.65	Ficus	Transplant
629	**B421**	16	15	3.3	Gular	Transplant
630	**B422**	6	10	0.65	Jamun	Transplant
631	**B423**	8	15	1.4	Ficus	Transplant
632	**B424**	2	3	0.17	Pipal	Transplant
633	**B425**	12	15	1.9	Jamun	Transplant
634	**B426**	6	8	0.85	Shahtut	Transplant
635	**B427**	9	16	1.9	Gular	Transplant
636	**B428**	1	2.5	0.15	Alstonia Scholaris	Transplant
637	**B429**	14	14	2.4	Mango	Transplant
638	**B430**	6	8	0.6	Moulsari	Transplant
639	**B431**	9	14	1.45	Shahtut	Transplant
640	**B432**	10	10	1.25	Mango	Transplant
641	**B433**	2	2.5	0.3	Sagwan	Transplant
642	**B434**	3	5	0.4	Kadam	Transplant
643	**B435**	4	3	0.3	Kaduzu	Transplant
644	**B436**	2.5	3	0.15	Amaltash	Transplant
645	**B437**	6	8	0.9	Alstonia Scholaris	Transplant
646	**B438**	15	2.2	0.25	Semal	Transplant
647	**B439**	2	3	0.2	Sagwan	Transplant
648	**B440**	1.5	2	0.2	Gular	Transplant
649	**B441**	4	3	0.35	Wood Apple	Transplant
650	**B442**	15	18	3.2	Ashoka	Transplant
651	**B443**	3	2.5	0.25	Amaltash	Transplant
652	**B444**	4	3	0.35	Amaltash	Transplant
653	**B445A**	0.4	1.2	0.14	Ficus	Transplant
654	**B445B**	0.4	1.2	0.1	Ficus	Transplant
655	**B445C**	0.4	1	0.05	Ficus	Transplant
656	**B445D**	0.4	1	0.05	Ficus	Transplant
657	**B446**	2.5	3	0.2	Amaltash	Transplant
658	**B447**	2	2.5	0.35	Palm	Transplant
659	**B448A**	0.5	1.2	0.12	Ficus	Transplant

660	**B448B**	0.5	1.2	0.1	Ficus	Transplant
661	**B449**	2	2	0.2	Ficus	Transplant
662	**B450A**	0.5	2	0.2	Gular	Transplant
663	**B450B**	0.5	2	0.17	Gular	Transplant
664	**B451**	1	1.5	0.07	D	Transplant
665	**B452**	5	6	0.45	Neem	Transplant
666	**B453A**	5	6	0.6	Orchid	Transplant
667	**B453B**	4	5	0.5	Orchid	Transplant
668	**B454A**	5	6	0.7	Orchid	Transplant
669	**B454B**	5	6	0.6	Orchid	Transplant
670	**B455**	10	12	1.8	Ficus	Transplant
671	**B456**	10	7	1.6	Shahtut	Transplant
672	**B457A**	1	2	0.1	Machkan	Transplant
673	**B457B**	1	2	0.09	Machkan	Transplant
674	**B457C**	1	2	0.09	Machkan	Transplant
675	**B457D**	1	2	0.06	Machkan	Transplant
676	**B458A**	1	2	0.09	Flower	Transplant
677	**B458B**	1	2	0.08	Flower	Transplant
678	**B458C**	1	2	0.09	Flower	Transplant
679	**B458D**	1	2	0.08	Flower	Transplant
680	**B458E**	1	2	0.1	Flower	Transplant
681	**B458F**	1	2	0.12	Flower	Transplant
682	**B458G**	1	2	0.12	Flower	Transplant
683	**B458H**	1	2	0.11	Flower	Transplant
684	**B458I**	1	2	0.11	Flower	Transplant
685	**B459A**	1	2	0.14	Flower	Transplant
686	**B459B**	1	2	0.1	Flower	Transplant
687	**B459C**	1	2	0.08	Flower	Transplant
688	**B459D**	1	2	0.09	Flower	Transplant
689	**B459E**	1	2	0.12	Flower	Transplant
690	**B459F**	1	2	0.07	Flower	Transplant
691	**B459G**	1	2	0.08	Flower	Transplant
692	**B459H**	1	2	0.16	Flower	Transplant
693	**B459I**	1	2	0.06	Flower	Transplant
694	**B460A**	1	2	0.07	Flower	Transplant
695	**B460B**	1	2	0.08	Flower	Transplant
696	**B460C**	1	2	0.1	Flower	Transplant
697	**B460D**	1	2	0.09	Flower	Transplant
698	**B460E**	1	2	0.11	Flower	Transplant
699	**B460F**	1	2	0.12	Flower	Transplant
700	**B460G**	1	2	0.1	Flower	Transplant
701	**B461A**	1	2	0.14	Flower	Transplant
702	**B461B**	1	2	0.12	Flower	Transplant
703	**B461C**	1	2	0.1	Flower	Transplant
704	**B461D**	1	2	0.11	Flower	Transplant
705	**B461E**	1	2	0.09	Flower	Transplant
706	**B461F**	1	2	0.07	Flower	Transplant
707	**B461G**	1	2	0.08	Flower	Transplant
708	**B461H**	1	2	0.08	Flower	Transplant
709	**B461I**	1	2	0.08	Flower	Transplant
710	**B461J**	1	2	0.14	Flower	Transplant

711	**B462A**	2	2	0.25	Maple	Transplant
712	**B462B**	2	2	0.15	Maple	Transplant
713	**B463**	1.5	2	0.3	Palm	Transplant
714	**B464A**	0.7	1	0.17	Ficus	Transplant
715	**B464B**	0.5	1	0.11	Ficus	Transplant
716	**B465**	2.5	4	0.65	Palm	Transplant
717	**B466A**	0.5	1	0.13	Ficus	Transplant
718	**B466B**	0.5	1	0.1	Ficus	Transplant
719	**B467**	2	2.5	0.3	Palm	Transplant
720	**B468**	1	1.5	0.16	Ficus	Transplant
721	**B469**	2.5	3	0.35	Palm	Transplant
722	**B470**	7	7	0.9	Jackfruit	Transplant
723	**B471A**	0.8	1.5	0.06	Anar	Transplant
724	**B471B**	0.6	1.5	0.04	Anar	Transplant
725	**B471C**	0.8	1.5	0.06	Anar	Transplant
726	**B471D**	0.6	1.5	0.035	Anar	Transplant
727	**B472**	13	13	1.4	Gular	Transplant
728	**B473**	0.7	1	0.08	Putranjiva	Transplant
729	**B474**	0.7	1	0.08	Putranjiva	Transplant
730	**B475**	0.7	1	0.09	Putranjiva	Transplant
731	**B476**	0.7	1	0.09	Putranjiva	Transplant
732	**B477**	0.5	1	0.07	Putranjiva	Transplant
733	**B478**	0.5	1	0.06	Putranjiva	Transplant
734	**B479**	0.5	1	0.06	Putranjiva	Transplant
735	**B480**	1	3	0.16	Shisham	Transplant
736	**B481A**	0.6	1.5	0.08	Anar	Transplant
737	**B481B**	0.6	1.5	0.08	Anar	Transplant
738	**B481C**	0.6	1.5	0.08	Anar	Transplant
739	**B481D**	0.6	1.5	0.07	Anar	Transplant
740	**B481E**	0.6	1.5	0.07	Anar	Transplant
741	**B481F**	0.6	1.5	0.06	Anar	Transplant
742	**B482A**	0.6	1.5	0.08	Anar	Transplant
743	**B482B**	0.6	1.5	0.09	Anar	Transplant
744	**B482C**	0.6	1.5	0.09	Anar	Transplant
745	**B482D**	0.6	1.5	0.09	Anar	Transplant
746	**B482E**	0.6	1.5	0.09	Anar	Transplant
747	**B482F**	0.6	1.5	0.6	Anar	Transplant
748	**B482G**	0.6	1.5	0.6	Anar	Transplant
749	**B482H**	0.6	1.5	0.06	Anar	Transplant
750	**B482I**	0.6	1.5	0.05	Anar	Transplant
751	**B482J**	0.6	1.5	0.05	Anar	Transplant
752	**B483A**	0.6	1.5	0.07	Anar	Transplant
753	**B483B**	0.6	1.5	0.06	Anar	Transplant
754	**B483C**	0.6	1.5	0.06	Anar	Transplant
755	**B483D**	0.6	1.5	0.04	Anar	Transplant
756	**B483E**	0.6	1.5	0.04	Anar	Transplant
757	**B483F**	0.6	1.5	0.04	Anar	Transplant
758	**B484A**	0.6	1.5	0.07	Anar	Transplant
759	**B484B**	0.6	1.5	0.07	Anar	Transplant
760	**B484C**	0.6	1.5	0.07	Anar	Transplant
761	**B484D**	0.6	1.5	0.07	Anar	Transplant

762	**B484E**	0.6	1.5	0.05	Anar	Transplant
763	**B484F**	0.6	1.5	0.04	Anar	Transplant
764	**B484G**	0.6	1.5	0.04	Anar	Transplant
765	**B484H**	0.6	1.5	0.04	Anar	Transplant
766	**B484I**	0.6	1.5	0.04	Anar	Transplant
767	**B484J**	0.6	1.5	0.05	Anar	Transplant
768	**B484K**	0.6	1.5	0.03	Anar	Transplant
769	**B485A**	0.6	1.5	0.05	Anar	Transplant
770	**B485B**	0.6	1.5	0.06	Anar	Transplant
771	**B485C**	0.6	1.5	0.07	Anar	Transplant
772	**B485D**	0.6	1.5	0.07	Anar	Transplant
773	**B485E**	0.6	1.5	0.06	Anar	Transplant
774	**B485F**	0.6	1.5	0.03	Anar	Transplant
775	**B485G**	0.6	1.5	0.04	Anar	Transplant
776	**B485H**	0.6	1.5	0.04	Anar	Transplant
777	**B485I**	0.6	1.5	0.05	Anar	Transplant
778	**B485J**	0.6	1.5	0.06	Anar	Transplant
779	**B486A**	0.6	1.5	0.08	Anar	Transplant
780	**B486B**	0.6	1.5	0.07	Anar	Transplant
781	**B486C**	0.6	1.5	0.08	Anar	Transplant
782	**B486D**	0.6	1.5	0.06	Anar	Transplant
783	**B486E**	0.6	1.5	0.05	Anar	Transplant
784	**B486F**	0.6	1.5	0.05	Anar	Transplant
785	**B486G**	0.6	1.5	0.06	Anar	Transplant
786	**B486H**	0.6	1.5	0.07	Anar	Transplant
787	**B486I**	0.6	1.5	0.06	Anar	Transplant
788	**B487A**	0.6	1.5	0.06	Anar	Transplant
789	**B487B**	0.6	1.5	0.05	Anar	Transplant
790	**B487C**	0.6	1.5	0.07	Anar	Transplant
791	**B487D**	0.6	1.5	0.07	Anar	Transplant
792	**B488**	1	2	0.04	Shahtut	Transplant
793	**B489**	1.5	2	0.14	Putranjiva	Retain
794	**B490**	2	2.5	0.15	Wood Apple	Retain
795	**B491**	3	5	0.35	Arjun	Transplant
796	**B492**	1	3	0.15	Wood Apple	Transplant
797	**B493**	3	6	0.45	Kadam	Transplant
798	**B494**	5	5	0.2	Pipal	Transplant
799	**B495A**	4	6	0.35	Pipal	Transplant
800	**B495B**	1	3	0.15	Pipal	Transplant
801	**B496A**	3	7	0.35	Bargad	Transplant
802	**B496B**	3	7	0.35	Bargad	Transplant
803	**B497**	4	6	0.4	Arjun	Transplant
804	**B498A**	10	11	1.2	Bargad	Transplant
805	**B498B**	5	6	0.4	Bargad	Transplant
806	**B498C**	3	4	0.25	Bargad	Transplant
807	**B499**	1.5	2	0.1	Putranjiva	Transplant
808	**B500**	12	16	1.9	Pipal	Transplant
809	**B501**	5	7	0.45	Leichhardt Pine	Transplant
810	**B502**	2	3	0.15	Neem	Transplant
811	**B503**	5	14	0.65	Ashoka	Transplant
812	**B504**	6	8	0.9	Arjun	Transplant

813	**B505**	6	8	0.45	Kadam	Transplant
814	**B506**	1	2	0.07	Beech	Transplant
815	**B507**	1	2	0.06	Semal	Transplant
816	**B508**	6	10	0.75	Kadam	Transplant
817	**B509A**	2	2.5	0.2	Anar	Transplant
818	**B509B**	2	2.5	0.25	Anar	Transplant
819	**B509C**	2	2.5	0.25	Anar	Transplant
820	**B510A**	2	3	0.2	Anar	Transplant
821	**B510B**	2.2	3	0.25	Anar	Transplant
822	**B510C**	2.5	3	0.3	Anar	Transplant
823	**B510D**	2.5	3	0.3	Anar	Transplant
824	**B510E**	2.5	3	0.25	Anar	Transplant
825	**B510F**	2	3	0.2	Anar	Transplant
826	**B511**	1	1.2	0.04	Shahtut	Transplant
827	**B512**	1.2	1	0.1	Putranjiva	Transplant
828	**B513**	14	16	1.7	Saras	Transplant
829	**B514**	10	13	1.05	Gular	Transplant
830	**B515**	6	6	0.7	Shahtut	Transplant
831	**B516A**	6	6	0.65	Amrud	Transplant
832	**B516B**	2	3	0.15	Amrud	Transplant
833	**B516C**	3	4	0.3	Amrud	Transplant
834	**B516D**	2	3	0.11	Amrud	Transplant
835	**B516E**	2	3	0.12	Amrud	Transplant
836	**B516F**	2	3	0.1	Amrud	Transplant
837	**B516G**	2	3	0.14	Amrud	Transplant
838	**B517**	4	12	1	Palm	Transplant
839	**B518**	3	3	0.14	Shahtut	Transplant
840	**B519**	1	2	0.07	Shahtut	Transplant
841	**B520A**	1	2	0.11	Gular	Transplant
842	**B520B**	1	2	0.09	Gular	Transplant
843	**B521**	1	1.5	0.06	Shahtut	Transplant
844	**B522**	1	2	0.09	Acacia	Transplant
845	**B523**	4	4	0.4	Gular	Transplant
846	**B524**	3	3	0.2	Arjun	Transplant
847	**B525**	4	4	0.3	Pipal	Transplant
848	**B526A**	5	5	0.4	Shahtut	Retain
849	**B526B**	4	5	0.45	Shahtut	Retain
850	**B526C**	4	5	0.4	Shahtut	Retain
851	**B527**	1	2	0.06	Neem	Retain
852	**B528**	10	14	1.35	Jamun	Retain
853	**B529**	12	14	1.7	Amaltash	Retain
854	**B530**	4	5	0.35	Putranjiva	Retain
855	**B531**	8	6	0.6	Putranjiva	Retain
856	**B532**	14	15	1.9	Putranjiva	Retain
857	**B533**	7	8	0.8	Putranjiva	Retain
858	**B534**	10	14	1.45	Amaltash	Retain
859	**B535**	6	8	0.5	Putranjiva	Retain
860	**B536**	5	8	0.45	Putranjiva	Retain
861	**B537**	8	7	0.7	Putranjiva	Retain
862	**B538**	6	7	0.4	Putranjiva	Retain
863	**B539**	8	12	1.3	Jamun	Retain

864	**B540A**	3	4	0.35	Putranjiva	Retain
865	**B540B**	5	6	0.45	Putranjiva	Retain
866	**B540C**	5	4	0.5	Putranjiva	Retain
867	**B541**	3	3.5	0.3	Putranjiva	Retain
868	**B542**	6	7	0.75	Putranjiva	Retain
869	**B543**	6	7	0.95	Beech	Retain
870	**B544**	12	13	1.2	Putranjiva	Retain
871	**B545**	8	12	0.8	Putranjiva	Retain
872	**B546**	12	17	2.1	Jamun	Retain
873	**B547**	10	15	1.7	Gular	Transplant
874	**B548**	1	1	0.07	Putranjiva	Retain
875	**B549A**	1	1.5	0.17	Pipal	Retain
876	**B549B**	1	1.5	0.15	Pipal	Retain
877	**B550**	8	10	1.8	Pipal	Retain
878	**B551**	5	3	0.2	Ficus	Retain
879	**B552**	2.5	3	0.2	Ficus	Retain
880	**B553**	3	3	0.2	Ficus	Retain
881	**B554A**	3	5	0.5	Neem	Retain
882	**B554B**	3	5	0.45	Neem	Retain
883	**B555**	2	3	0.25	Ficus	Retain
884	**B556**	3	5	0.4	Neem	Retain
885	**B557**	10	15	1.9	Pipal	Retain
886	**B558A**	7	9	1.4	Pipal	Retain
887	**B558B**	8	10	1.5	Pipal	Retain
888	**B559**	2.5	5	0.3	Beech	Retain
889	**B560**	3	3	0.2	Beech	Retain
890	**B561**	14	15	2.4	Gular	Retain
891	**B562**	7	8	1.4	Pipal	Retain
892	**B563**	9	15	2.5	Pipal	Retain
893	**B564**	3	6	0.4	Neem	Retain
894	**B565**	2	3	0.2	Ficus	Retain
895	**B566**	2	5	0.3	Beech	Retain
896	**B567A**	10	13	1.8	Shahtut	Transplant
897	**B567B**	8	10	1.1	Shahtut	Transplant
898	**B568**	6	8	1.1	Shahtut	Transplant
899	**B569**	13	16	2.8	Beech	Transplant
900	**B570**	12	9	1.05	Neem	Transplant
901	**B571**	12	16	2.3	Pipal	Transplant
902	**B572**	12	14	2.6	Beech	Transplant
903	**B573**	4	7	0.75	Bottlebrush	Transplant
904	**B574**	6	12	1	Ashoka	Transplant
905	**B575**	5	12	0.8	Ashoka	Transplant
906	**B576**	10	14	1.5	Bottlebrush	Transplant
907	**B577**	8	10	1.85	Ashoka	Transplant
908	**B578**	7	10	1.05	Ashoka	Transplant
909	**B579**	4	7	0.95	Bottlebrush	Transplant
910	**B580**	7	11	1.25	Ashoka	Transplant
911	**B581**	6	12	1	Ashoka	Transplant
912	**B582**	8	9	1.2	Bottlebrush	Transplant
913	**B583**	5	10	0.95	Ashoka	Transplant
914	**B584**	5	10	0.85	Ashoka	Transplant

915	**B585**	6	8	0.6	Bottlebrush	Transplant
916	**B586**	1	1.3	0.08	Mango	Transplant
917	**B587**	1.5	2.3	0.1	Phehera	Transplant
918	**B588**	1.5	2.2	0.09	A	Transplant
919	**B589**	2	2.7	0.17	Orchid	Transplant
920	**B590A**	6	8	1.3	Shahtut	Transplant
921	**B590B**	5	6	0.65	Shahtut	Transplant
922	**B591**	16	14	1.95	Moulsari	Transplant
923	**B592**	12	18	2	Semal	Transplant
924	**B593**	1.5	2.7	0.15	Imli	Transplant
925	**B594**	6	8	1.1	Putranjiva	Transplant
926	**B595**	2	5	0.35	Putranjiva	Transplant
927	**B596**	14	15	2.3	Putranjiva	Retain
928	**B597**	10	10	1.3	Putranjiva	Retain
929	**B598**	12	8	1.3	Putranjiva	Retain
930	**B599**	15	15	2.7	Gular	Transplant
931	**B600**	6	12	1.05	Alstonia Scholaris	Transplant
932	**B601**	7	14	1.15	Alstonia Scholaris	Transplant
933	**B602**	1.5	3	0.25	Putranjiva	Retain
934	**B603**	10	7	0.9	Putranjiva	Retain
935	**B604**	8	8	1	Putranjiva	Transplant
936	**B605**	0.5	1.2	0.03	Putranjiva	Transplant
937	**B606**	7	8	1.05	Putranjiva	Transplant
938	**B607**	10	16	1.8	Putranjiva	Retain
939	**B608**	1	1.2	0.03	Putranjiva	Retain
940	**B609**	0.4	1.5	0.03	Ashoka	Retain
941	**B610**	4	5	0.55	Putranjiva	Retain
942	**B611**	7	6	0.9	Putranjiva	Transplant
943	**B612**	6	8	0.8	Putranjiva	Transplant
944	**B613**	8	14	2.2	Beech	Transplant
945	**B614**	0.4	1.5	0.04	Ashoka	Retain
946	**B615**	0.5	1.1	0.04	Ashoka	Retain
947	**B616**	0.5	1.2	0.03	Ashoka	Retain
948	**B617**	0.5	1.3	0.04	Ashoka	Retain
949	**B618**	0.5	1.2	0.04	Ashoka	Retain
950	**B619**	0.8	1.6	0.06	Ashoka	Retain
951	**B620**	10	12	1.2	Beech	Retain
952	**B621**	0.4	1.6	0.02	Ashoka	Retain
953	**B622**	6	8	0.7	Putranjiva	Transplant
954	**B623**	8	12	1.3	Shahtut	Transplant
955	**B624**	10	11	1.7	Bakayan	Transplant
956	**B625**	3	7	0.6	Putranjiva	Retain
957	**B626**	4	6	0.5	Beech	Retain
958	**B627**	4	7	0.45	Putranjiva	Retain
959	**B628A**	5	8	0.65	Putranjiva	Retain
960	**B628B**	2	4	0.2	Putranjiva	Retain
961	**B629**	3	4	0.3	Putranjiva	Retain
962	**B630**	0.4	1.2	0.02	Ashoka	Retain
963	**B631**	0.4	1.2	0.04	Ashoka	Retain
964	**B632**	3	3	0.4	Beech	Retain
965	**B633**	0.4	2.3	0.02	Ashoka	Retain

966	**B634**	0.4	1.4	0.025	Ashoka	Retain
967	**B635**	0.4	1.4	0.025	Ashoka	Retain
968	**B636**	0.4	1.4	0.4	Ashoka	Retain
969	**B637**	6	8	0.9	Putranjiva	Retain
970	**B638**	7	9	0.7	Putranjiva	Transplant
971	**B639**	3	7	0.5	Putranjiva	Transplant
972	**B640**	6	9	1	Putranjiva	Transplant
973	**B641**	16	17	2.4	Jamun	Transplant
974	**B642**	8	10	1.2	Gular	Transplant
975	**B643**	6	9	0.85	Gular	Transplant
976	**B644**	3	3	0.4	Putranjiva	Transplant
977	**B645**	0.6	1.4	0.04	Ashoka	Retain
978	**B646**	0.6	1.4	0.04	Ashoka	Retain
979	**B647**	0.6	2.3	0.06	Ashoka	Retain
980	**B648**	0.6	2.3	0.08	Ashoka	Retain
981	**B649A**	1	1.5	0.2	Pipal	Retain
982	**B649B**	1	1.5	0.16	Pipal	Retain
983	**B649C**	1	1.5	0.17	Pipal	Retain
984	**B649D**	1	1.5	1.14	Pipal	Retain
985	**B650**	3	5	0.35	Putranjiva	Retain
986	**B651A**	10	18	3.8	Pipal	Retain
987	**B651B**	6	12	1.2	Pipal	Retain
988	**B652**	7	7	0.65	Putranjiva	Transplant
989	**B653**	7	10	0.8	Beech	Transplant
990	**B654**	6	8	0.65	Putranjiva	Transplant
991	**B655**	8	11	1	Putranjiva	Transplant
992	**B656**	20	20	3.45	Semal	Transplant
993	**B657**	8	8	1.05	Ficus	Transplant
994	**B658**	8	10	1.2	Gular	Transplant
995	**B659**	8	8	1.2	Putranjiva	Transplant
996	**B660**	2	3	0.15	Gular	Transplant
997	**B661**	5	7	0.4	Acacia	Transplant
998	**B662**	4	5	0.25	Acacia	Transplant
999	**B663**	2	3	0.16	Acacia	Transplant
1000	**B664**	4	5	0.25	Acacia	Transplant
1001	**B665A**	15	14	2.2	Gular	Transplant
1002	**B665B**	2	2	0.18	Gular	Transplant
1003	**B666**	3	5	0.45	Juniper	Transplant
1004	**B667A**	4	4	0.25	Linden	Transplant
1005	**B667A**	4	4	0.25	Linden	Transplant
1006	**B668**	3	5	0.35	Juniper	Transplant
1007	**B669**	2	2	0.15	Lagerstroemia Speciosa	Transplant
1008	**B670A**	1	2	0.2	Circaea Alpina	Transplant
1009	**B670B**	1	2	0.2	Circaea Alpina	Transplant
1010	**B670C**	1	2	0.17	Circaea Alpina	Transplant
1011	**B670D**	1	2	0.15	Circaea Alpina	Transplant
1012	**B670E**	1	2	0.16	Circaea Alpina	Transplant
1013	**B670F**	1	2	0.12	Circaea Alpina	Transplant
1014	**B670G**	1	2	0.08	Circaea Alpina	Transplant
1015	**B670H**	1	2	0.1	Circaea Alpina	Transplant
1016	**B671**	4	12	1.5	Palm	Transplant

1017	**B672**	4	4	0.45	Neem	Transplant
1018	**B673A**	1	4	0.2	Circaea Alpina	Transplant
1019	**B673B**	1	3	0.18	Circaea Alpina	Transplant
1020	**B673C**	1	3	0.15	Circaea Alpina	Transplant
1021	**B673D**	1	3	0.14	Circaea Alpina	Transplant
1022	**B673E**	1	3	0.13	Circaea Alpina	Transplant
1023	**B673F**	1	3	0.12	Circaea Alpina	Transplant
1024	**B673G**	1	3	0.11	Circaea Alpina	Transplant
1025	**B673H**	1	3	0.1	Circaea Alpina	Transplant
1026	**B674A**	1	3	0.12	Circaea Alpina	Transplant
1027	**B674B**	1	3	0.08	Circaea Alpina	Transplant
1028	**B674C**	1	3	0.1	Circaea Alpina	Transplant
1029	**B675**	3	3	0.25	Beech	Transplant
1030	**B676**	4	12	1.6	Palm	Transplant
1031	**B677A**	1	1.6	0.08	Mango	Transplant
1032	**B677B**	1	1.6	0.08	Mango	Transplant
1033	**B678**	1.5	3	0.16	Mualsari	Transplant
1034	**B679A**	1.5	3	0.18	Bargad	Transplant
1035	**B679B**	1.5	3	0.14	Bargad	Transplant
1036	**B679C**	1	3	0.1	Bargad	Transplant
1037	**B680**	2	2	0.15	Champa	Transplant
1038	**B681**	4	13	1.55	Palm	Transplant
1039	**B682A**	1	2.5	0.2	Circaea Alpina	Transplant
1040	**B682B**	1	2	0.16	Circaea Alpina	Transplant
1041	**B682C**	1	2	0.13	Circaea Alpina	Transplant
1042	**B682D**	1	2	0.11	Circaea Alpina	Transplant
1043	**B682E**	1	2	0.12	Circaea Alpina	Transplant
1044	**B682F**	1	2	0.06	Circaea Alpina	Transplant
1045	**B682G**	1	2	0.04	Circaea Alpina	Transplant
1046	**B683**	4	13	1.6	Palm	Transplant
1047	**B684**	4	12	1.45	Palm	Transplant
1048	**B685A**	2	2.5	0.18	Circaea Alpina	Transplant
1049	**B685B**	1	2	0.15	Circaea Alpina	Transplant
1050	**B685C**	1	1	0.08	Circaea Alpina	Transplant
1051	**B685D**	1	2	0.15	Circaea Alpina	Transplant
1052	**B685E**	1	2	0.12	Circaea Alpina	Transplant
1053	**B686**	4	12	1.5	Palm	Transplant
1054	**B687**	1	2	0.25	Olive	Transplant
1055	**B688**	4	12	1.4	Palm	Transplant
1056	**B689**	3	2.5	0.3	Jasmine	Transplant
1057	**B690**	4	11	1.3	Palm	Transplant
1058	**B691**	1.5	3.5	0.17	Mango	Transplant
1059	**B692**	7	14	1.4	Mango	Transplant
1060	**B693A**	1	2	0.1	Peregrina	Transplant
1061	**B693B**	1	2	0.1	Peregrina	Transplant
1062	**B693C**	1	2	0.08	Peregrina	Transplant
1063	**B693D**	1	2	0.1	Peregrina	Transplant
1064	**B693E**	1	2	0.08	Peregrina	Transplant
1065	**B693F**	1	2	0.09	Peregrina	Transplant
1066	**B694A**	1	2	0.11	Peregrina	Transplant
1067	**B694B**	1	2	0.1	Peregrina	Transplant

1068	**B694C**	1	2	0.12	Peregrina	Transplant
1069	**B694D**	1	2	0.13	Peregrina	Transplant
1070	**B694E**	1	2	0.15	Peregrina	Transplant
1071	**B694F**	1	2	0.11	Peregrina	Transplant
1072	**B694G**	1	2	0.11	Peregrina	Transplant
1073	**B694H**	1	2	0.12	Peregrina	Transplant
1074	**B695A**	1	2	0.13	Peregrina	Transplant
1075	**B695B**	1	2	0.1	Peregrina	Transplant
1076	**B695C**	1	2	0.11	Peregrina	Transplant
1077	**B695D**	1	2	0.11	Peregrina	Transplant
1078	**B695E**	1	2	0.12	Peregrina	Transplant
1079	**B696A**	1	2	0.18	Peregrina	Transplant
1080	**B696B**	1	2	0.11	Peregrina	Transplant
1081	**B696C**	1	2	0.11	Peregrina	Transplant
1082	**B696D**	1	2	0.1	Peregrina	Transplant
1083	**B696E**	1	2	0.1	Peregrina	Transplant
1084	**B697A**	2	3	0.18	Peregrina	Transplant
1085	**B697B**	2	3	0.17	Peregrina	Transplant
1086	**B697C**	1	2	0.14	Peregrina	Transplant
1087	**B697D**	1	2	0.11	Peregrina	Transplant
1088	**B698**	1.5	2	0.12	Jamun	Transplant
1089	**B699A**	1.5	3	0.17	Peregrina	Transplant
1090	**B699B**	1.5	3	0.15	Peregrina	Transplant
1091	**B699C**	1	2	0.1	Peregrina	Transplant
1092	**B699D**	1	2	0.14	Peregrina	Transplant
1093	**B699E**	1	2	0.12	Peregrina	Transplant
1094	**B699F**	1	2	0.1	Peregrina	Transplant
1095	**B700A**	1.5	3	0.17	Peregrina	Transplant
1096	**B700B**	1	2	0.15	Peregrina	Transplant
1097	**B700C**	1	2	0.15	Peregrina	Transplant
1098	**B700D**	1	2	0.16	Peregrina	Transplant
1099	**B700E**	1	2	0.12	Peregrina	Transplant
1100	**B701A**	2	3	0.2	Peregrina	Transplant
1101	**B701B**	1	2	0.15	Peregrina	Transplant
1102	**B701C**	1	2	0.15	Peregrina	Transplant
1103	**B701D**	1	2	0.11	Peregrina	Transplant
1104	**B702**	1.5	3.5	0.17	Mango	Transplant
1105	**B703**	1.5	4	0.3	Pine	Transplant
1106	**B704**	2	2.5	0.25	Mango	Transplant
1107	**B705**	4	9	1.35	Palm	Transplant
1108	**B706A**	1	4	0.17	A1	Transplant
1109	**B706B**	1	3	0.16	A1	Transplant
1110	**B706C**	1	2.5	0.15	A1	Transplant
1111	**B706D**	1	2.5	0.16	A1	Transplant
1112	**B707**	1.5	1.75	0.2	Maple	Transplant
1113	**B708**	20	12	3.4	Moulsari	Transplant
1114	**B709**	3	2.5	0.45	Palm	Transplant
1115	**B710**	2.5	2.5	0.2	Acacia	Transplant
1116	**B711**	2.5	3	0.45	Palm	Transplant
1117	**B712A**	1.5	2	0.2	Lemon	Transplant
1118	**B712B**	1.5	2	0.2	Lemon	Transplant

1119	**B712C**	1.5	2	0.2	Lemon	Transplant
1120	**B712D**	1.5	2	0.11	Lemon	Transplant
1121	**B712E**	1.5	2	0.16	Lemon	Transplant
1122	**B712F**	1.5	2	0.13	Lemon	Transplant
1123	**B713**	2.5	2.5	1.6	Palm	Transplant
1124	**B714A**	1.5	2	0.2	Lemon	Transplant
1125	**B714B**	1.5	2	0.25	Lemon	Transplant
1126	**B714C**	1.5	2	0.2	Lemon	Transplant
1127	**B714D**	1	1.5	0.15	Lemon	Transplant
1128	**B714E**	1	1.5	0.15	Lemon	Transplant
1129	**B714F**	1	1.5	0.1	Lemon	Transplant
1130	**B714G**	1	1.5	0.12	Lemon	Transplant
1131	**B715**	5	13	1.5	Palm	Transplant
1132	**B716**	4	13	1.45	Palm	Transplant
1133	**B717**	4	12	1.35	Palm	Transplant
1134	**B718**	5	12	1.35	Palm	Transplant
1135	**B719**	5	12	1.3	Palm	Transplant
1136	**B720A**	1.5	2	0.25	Lemon	Transplant
1137	**B720B**	1.5	2	0.2	Lemon	Transplant
1138	**B720C**	1.5	2	0.14	Lemon	Transplant
1139	**B720D**	1.5	2	0.13	Lemon	Transplant
1140	**B720E**	1.5	2	0.15	Lemon	Transplant
1141	**B720F**	1.5	2	0.12	Lemon	Transplant
1142	**B720G**	1.5	2	0.11	Lemon	Transplant
1143	**B720H**	1.5	2	0.1	Lemon	Transplant
1144	**B721A**	1.5	2	0.4	Lemon	Transplant
1145	**B721B**	2	2	0.2	Lemon	Transplant
1146	**B721C**	1.5	2	0.2	Lemon	Transplant
1147	**B721D**	1.5	2	0.15	Lemon	Transplant
1148	**B721E**	1.5	2	0.14	Lemon	Transplant
1149	**B721F**	1.5	2	0.17	Lemon	Transplant
1150	**B721G**	1.5	2	0.14	Lemon	Transplant
1151	**B721H**	1.5	2	0.11	Lemon	Transplant
1152	**B721I**	1.5	2	0.1	Lemon	Transplant
1153	**B722**	4	11	1.3	Palm	Transplant
1154	**B723**	9	12	1.4	Palm	Transplant
1155	**B724**	3	3	0.45	Palm	Transplant
1156	**B725**	2	2	0.25	Palm	Transplant
1157	**B726**	2	4	0.4	Palm	Transplant
1158	**B727**	3	5	0.55	Palm	Transplant
1159	**B728**	3	5	0.3	Gul Mohar	Transplant
1160	**B729**	9	9	1.9	Gular	Transplant
1161	**B730**	0.7	2	0.06	Ashoka	Retain
1162	**B731**	10	14	3	Jamun	Transplant
1163	**B732**	0.5	2	0.07	Mango	Retain
1164	**B733**	2	2	0.18	Arjun	Transplant
1165	**B734**	0.1	4	0.12	Acacia	Transplant
1166	**B735**	5	10	1.15	Putranjiva	Transplant
1167	**B736**	8	9	1.75	Putranjiva	Retain
1168	**B737**	6	10	1.3	Putranjiva	Transplant
1169	**B738**	4	7	0.65	Putranjiva	Transplant

1170	**B739**	10	11	2.05	Jamun	Transplant
1171	**B740**	6	12	1.4	Beech	Transplant
1172	**B741**	8	12	1.9	Jamun	Transplant
1173	**B742**	8	13	2.1	Jamun	Transplant
1174	**B743**	10	13	2	Jamun	Transplant
1175	**B744**	6	8	0.8	Ficus	Retain
1176	**B745**	7	10	1.3	Shahtut	Transplant
1177	**B746**	6	7	1.8	Jamun	Transplant
1178	**B747**	7	9	1.7	Shahtut	Retain
1179	**B748**	6	9	1.1	Sagwan	Retain
1180	**B749**	6	9	0.9	Sagwan	Retain
1181	**B750**	5	10	1.3	Sagwan	Transplant
1182	**B751**	0.4	1.3	0.05	Ashoka	Retain
1183	**B752**	4	8	0.6	Sagwan	Retain
1184	**B753**	7	12	1.6	Sagwan	Retain
1185	**B754**	3	8	0.9	Sagwan	Transplant
1186	**B755A**	3	6	0.65	Beech	Transplant
1187	**B755B**	3	6	0.7	Beech	Transplant
1188	**B755C**	3	6	0.8	Beech	Transplant
1189	**B755D**	2	4	0.2	Beech	Transplant
1190	**B756**	8	10	1.95	Jamun	Transplant
1191	**B757**	5	7	0.85	Beech	Retain
1192	**B758**	0.6	2	0.05	Ashoka	Retain
1193	**B759A**	6	7	1.1	Sagwan	Transplant
1194	**B759B**	2	2.5	0.85	Sagwan	Transplant
1195	**B760**	5	7	0.85	Sagwan	Transplant
1196	**B761**	4	6	0.6	Sagwan	Transplant
1197	**B762**	6	8	1.1	Sagwan	Transplant
1198	**B763**	6	8	0.9	Sagwan	Retain
1199	**B764**	0.6	2	0.05	Ashoka	Retain
1200	**B765**	0.6	2	0.05	Ashoka	Retain
1201	**B766**	0.6	1.5	0.04	Ashoka	Retain
1202	**B767**	5	8	0.75	Sagwan	Retain
1203	**B768**	7	10	1.4	Sagwan	Retain
1204	**B769**	0.6	2	0.05	Ashoka	Retain
1205	**B770**	10	12	2.2	Jamun	Transplant
1206	**B771**	0.5	2.5	0.17	Ashoka	Retain
1207	**B772**	0.5	2.5	0.17	Ashoka	Retain
1208	**B773**	0.5	2.5	0.15	Ashoka	Retain
1209	**B774**	1.5	1.5	0.09	Champa	Retain
1210	**B775**	7	6	1.4	Beech	Transplant
1211	**B776**	5	8	1.5	Beech	Retain
1212	**B777**	1	2.5	0.1	Ashoka	Retain
1213	**B778**	1	2.5	0.17	Ashoka	Retain
1214	**B779**	1.5	1.5	0.25	Palm	Transplant
1215	**B780**	1	1.5	0.16	Lemon	Transplant
1216	**B781**	3	3	0.27	Sagwan	Transplant
1217	**B782**	1	1.5	0.2	Pine	Transplant
1218	**B783**	1.5	3	0.18	Ashoka	Transplant
1219	**B784**	1.5	3	0.15	Ashoka	Transplant
1220	**B785**	1.5	3	0.2	Ashoka	Transplant

1221	**B786**	1.5	3	0.2	Ashoka	Transplant
1222	**B787**	1	4	0.15	Ashoka	Transplant
1223	**B788**	0.6	2	0.1	Ashoka	Transplant
1224	**B789**	0.6	1.7	0.08	Ashoka	Transplant
1225	**B790**	0.4	1	0.13	Palm	Transplant
1226	**B791**	0.6	1	0.12	Palm	Transplant
1227	**B792**	0.8	1	0.08	Palm	Transplant
1228	**B793**	2	2.8	0.18	Palm	Transplant
1229	**B794**	1	2	0.1	Palm	Transplant
1230	**B795**	1	1	0.05	Palm	Transplant
1231	**B796**	1	1.5	0.13	Palm	Transplant
1232	**B797**	13	9	1.9	Moulsari	Transplant
1233	**B798A**	4	5	0.8	Shahtut	Transplant
1234	**B798B**	3	5	0.6	Shahtut	Transplant
1235	**B799**	3	3	0.75	Shahtut	Transplant
1236	**B800**	2.5	2.5	0.65	Palm	Transplant
1237	**B801**	1	1.2	0.03	Palm	Transplant
1238	**B802A**	8	8	1.1	Shahtut	Transplant
1239	**B802B**	4	7	0.8	Shahtut	Transplant
1240	**B802C**	4	7	0.7	Shahtut	Transplant
1241	**B803**	1	3	0.07	Neem	Transplant
1242	**B804**	2	3	0.4	Palm	Transplant
1243	**B805**	0.6	2.5	0.025	Pipal	Transplant
1244	**B806**	1.5	1.5	0.35	Palm	Transplant
1245	**B807**	1	1	0.25	Palm	Transplant
1246	**B808**	2	4	0.3	Palm	Transplant
1247	**B809**	1.5	1.7	0.35	Palm	Transplant
1248	**B810**	2	3	0.2	Ticoma	Transplant
1249	**B811**	12	13	2.7	Moulsari	Transplant
1250	**B812**	2	2	0.18	Champa	Transplant
1251	**B813**	2	2	0.18	Champa	Transplant
1252	**B814**	4	4	0.45	Champa	Transplant
1253	**B815**	2	3	0.3	Champa	Transplant
1254	**B816**	6	6	0.7	Champa	Transplant
1255	**B817A**	1	3	0.17	Ticoma	Transplant
1256	**B817B**	1	3	0.1	Ticoma	Transplant
1257	**B817C**	1	3	0.12	Ticoma	Transplant
1258	**B817D**	1	3	0.08	Ticoma	Transplant
1259	**B818**	1	1	0.07	Putranjiva	Transplant
1260	**B819**	2	6	0.45	Ashoka	Retain
1261	**B820A**	1	3	0.09	Flower	Retain
1262	**B820B**	1.5	3	0.1	Flower	Retain
1263	**B820C**	1	3	0.05	Flower	Retain
1264	**B820D**	1	2	0.04	Flower	Retain
1265	**B821**	0.5	2.5	0.15	Ashoka	Retain
1266	**B822**	1	3	0.25	Ashoka	Retain
1267	**B823**	1	3	0.25	Ashoka	Retain
1268	**B824A**	0.4	1.2	0.06	Flower	Retain
1269	**B824B**	0.4	1.2	0.05	Flower	Retain
1270	**B824C**	0.4	1.2	0.04	Flower	Retain
1271	**B824D**	0.4	1	0.04	Flower	Retain

1272	**B825**	1	3	0.15	Ashoka	Retain
1273	**B826**	1	2.5	0.17	Ashoka	Retain
1274	**B827**	8	12	1.8	Amaltash	Retain
1275	**B828**	1	3	0.15	Ashoka	Retain
1276	**B829**	1	3	0.15	Ashoka	Retain
1277	**B830**	1	4	0.11	Ashoka	Retain
1278	**B831**	8	15	1.8	Saras	Retain
1279	**B832**	1	4	0.1	Ashoka	Retain
1280	**B833**	1	3	0.09	Ashoka	Retain
1281	**B834**	1	3	0.11	Ashoka	Retain
1282	**B835**	1	4	0.12	Ashoka	Retain
1283	**B836**	0.8	3	0.08	Ashoka	Retain
1284	**B837**	1	2	0.04	Putranjiva	Retain
1285	**B838**	0.8	3	0.09	Ashoka	Retain
1286	**B839**	0.8	3	0.07	Ashoka	Retain
1287	**B840**	0.8	2	0.05	Ashoka	Retain
1288	**B841**	0.4	2	0.05	Ashoka	Retain
1289	**B842**	0.5	2	0.04	Ashoka	Retain
1290	**B843**	10	12	1.7	Ficus	Transplant
1291	**B844**	1	2	0.04	Ashoka	Retain
1292	**B845**	6	10	0.9	Beech	Retain
1293	**B846**	0.4	2	0.05	Ashoka	Retain
1294	**B847**	0.4	2.5	0.05	Ashoka	Retain
1295	**B848**	8	8	1.2	Beech	Retain
1296	**B849**	8	12	1.3	Beech	Retain
1297	**B850**	0.5	3	0.08	Ashoka	Retain
1298	**B851**	0.4	3	0.1	Ashoka	Retain
1299	**B852**	1	3	0.17	Ashoka	Retain
1300	**B853**	1	3	0.17	Ashoka	Retain
1301	**B854**	2	4	0.17	Neem	Retain
1302	**B855**	0.4	3	0.07	Neem	Retain
1303	**B856**	0.7	1	0.25	Palm	Transplant
1304	**B857**	1	4	0.15	Ashoka	Retain
1305	**B858**	1	2.5	0.15	Ashoka	Retain
1306	**B859**	3	6	0.5	Ficus	Retain
1307	**B860**	1	2.5	0.07	Ashoka	Retain
1308	**B861**	1.5	4	0.12	Ashoka	Retain
1309	**B862**	1	3	0.07	Ashoka	Retain
1310	**B863**	7	8	0.8	Beech	Retain
1311	**B864**	1	3	0.06	Ashoka	Retain
1312	**B865**	8	10	1	Beech	Retain
1313	**B866**	1	3	0.08	Ashoka	Retain
1314	**B867**	1	3	0.09	Ashoka	Retain
1315	**B868**	2	3	0.35	Cascabela	Retain
1316	**B869**	2	3	0.16	A1	Retain
1317	**B870**	8	14	2.1	Beech	Retain
1318	**B871**	1	3.5	0.11	Ashoka	Retain
1319	**B872**	2	2.5	0.17	Orchid	Retain
1320	**B873**	2	3	0.25	Ficus	Retain
1321	**B874A**	0.4	1.1	0.06	Cascabela	Retain
1322	**B874B**	0.4	1.1	0.08	Cascabela	Retain

1323	**B874C**	0.4	1.1	0.03	Cascabela	Retain
1324	**B875**	2	2.5	0.15	Cascabela	Retain
1325	**B876A**	0.7	1.1	0.1	Cascabela	Retain
1326	**B876B**	0.7	1.1	0.07	Cascabela	Retain
1327	**B877**	1.5	2.5	0.15	Cascabela	Retain
1328	**B878**	1.5	1.5	0.15	Jasmine	Retain
1329	**B879A**	1	1.5	0.25	Gular	Transplant
1330	**B879B**	1	1.5	0.15	Gular	Transplant
1331	**B880**	1.5	1.5	0.16	Gular	Transplant
1332	**B881**	2	2	0.17	Cascabela	Transplant
1333	**B882A**	0.8	1.2	0.08	Cascabela	Transplant
1334	**B882B**	0.8	1.4	0.08	Cascabela	Transplant
1335	**B882C**	0.8	1.2	0.08	Cascabela	Transplant
1336	**B883A**	0.7	1.4	0.14	Cascabela	Transplant
1337	**B883B**	0.7	1.4	0.09	Cascabela	Transplant
1338	**B884A**	0.6	1.5	0.09	Cascabela	Transplant
1339	**B884B**	0.6	1.5	0.08	Cascabela	Transplant
1340	**B884C**	0.6	1.5	0.09	Cascabela	Transplant
1341	**B884D**	0.6	1.5	0.1	Cascabela	Transplant
1342	**B885A**	1	1.5	0.07	Cascabela	Transplant
1343	**B885B**	1	1.5	0.17	Cascabela	Transplant
1344	**B885C**	1	1	0.05	Cascabela	Transplant
1345	**B886A**	1	1.5	0.17	Cascabela	Transplant
1346	**B886B**	1	1.5	0.09	Cascabela	Transplant
1347	**B887**	4	6	0.8	Piliya	Transplant
1348	**B888A**	3	3	0.4	Cascabela	Retain
1349	**B888B**	2	2.5	0.2	Cascabela	Retain
1350	**B889**	3	3	0.55	Cascabela	Retain
1351	**B890**	3	3	0.35	Cascabela	Retain
1352	**B891A**	3	3	0.35	Cascabela	Retain
1353	**B891B**	2	2.5	0.2	Cascabela	Retain
1354	**B892**	2	3	0.3	Cascabela	Retain
1355	**B893**	2	3	0.28	Cascabela	Retain
1356	**B894**	2	3	0.2	Cascabela	Retain
1357	**B895**	2	3	0.2	Cascabela	Retain
1358	**B896**	3	3	0.35	Cascabela	Retain
1359	**B897**	2	3	11	Putranjiva	Retain
1360	**B898**	2	3	0.2	Cascabela	Retain
1361	**B899**	2	3	0.25	Cascabela	Retain
1362	**B900**	2	3	0.18	Cascabela	Retain
1363	**B901**	2	3	0.2	Cascabela	Retain
1364	**B902**	8	10	1.4	Saras	Retain
1365	**B903**	1	3	0.09	Cascabela	Retain
1366	**B904**	1	2	0.07	Cascabela	Retain
1367	**B905**	1	2	0.2	Cascabela	Retain
1368	**B906**	1	2	0.2	Cascabela	Retain
1369	**B907**	1	2	0.2	Cascabela	Retain
1370	**B908**	3	3	0.45	Cascabela	Retain
1371	**B909A**	0.6	1.5	0.07	Cascabela	Retain
1372	**B909B**	0.6	1.5	0.05	Cascabela	Retain
1373	**B909C**	0.6	1.5	0.04	Cascabela	Retain

1374	**B910**	0.7	4	0.09	Ashoka	Retain
1375	**B911**	0.6	3	0.08	Ashoka	Retain
1376	**B912**	2	3	0.25	Sagwan	Retain
1377	**B913**	0.6	2.5	0.07	Ashoka	Retain
1378	**B914**	0.6	2.5	0.07	Ashoka	Retain
1379	**B915**	8	8	1.7	Ficus	Retain
1380	**B916A**	6	8	0.8	Ficus	Retain
1381	**B916B**	6	8	0.8	Ficus	Retain
1382	**B917**	0.7	2	0.07	Ashoka	Retain
1383	**B918**	3	4	0.55	Beech	Retain
1384	**B919**	10	16	3.1	Gular	Retain
1385	**B920**	1	4	0.09	Ashoka	Retain
1386	**B921**	0.5	2	0.07	Ashoka	Retain
1387	**B922**	0.6	3	0.09	Ashoka	Retain
1388	**B923**	8	8	1.9	Ficus	Retain
1389	**B924**	1	3	0.17	Ashoka	Retain
1390	**B925**	1.5	1.5	0.16	Jasmine	Retain
1391	**B926**	1	4	0.2	Ashoka	Retain
1392	**B927**	2	2	0.4	Palm	Retain
1393	**B928**	2	4	0.45	Shahtut	Retain
1394	**B929**	1	2	0.09	Cascabela	Retain
1395	**B930**	1	3	0.2	Ashoka	Retain
1396	**B931**	1	4	0.09	Neem	Retain
1397	**B932**	6	8	0.85	Neem	Transplant
1398	**B933**	1	33	0.2	Ashoka	Transplant
1399	**B934**	2	6	0.4	Ficus	Transplant
1400	**B935**	1	2.5	0.08	Ashoka	Transplant
1401	**B936**	2	4	0.25	Ashoka	Transplant
1402	**B937**	1	3	0.11	Ashoka	Transplant
1403	**B938**	6	6	1.2	Beech	Transplant
1404	**B939**	1	3	0.2	Ashoka	Transplant
1405	**B940**	0.7	3	0.08	Ashoka	Transplant
1406	**B941**	0.8	3	0.11	Ashoka	Transplant
1407	**B942**	0.8	3	0.1	Ashoka	Transplant
1408	**B943**	0.7	3	0.09	Ashoka	Transplant
1409	**B944**	7	7	1.1	Ficus	Transplant
1410	**B945**	1	3	0.2	Ashoka	Transplant
1411	**B946**	1	4	0.25	Ashoka	Transplant
1412	**B947**	1	3	0.1	Ashoka	Transplant
1413	**B948**	1	2.5	0.07	Ashoka	Transplant
1414	**B949**	10	14	2.5	Jamun	Transplant
1415	**B950A**	0.3	1	0.08	Shahtut	Transplant
1416	**B950B**	0.3	1	0.06	Shahtut	Transplant
1417	**B950C**	0.3	1	0.05	Shahtut	Transplant
1418	**B950D**	0.3	1	0.03	Shahtut	Transplant
1419	**B950E**	0.3	1	0.03	Shahtut	Transplant
1420	**B951**	10	10	2.1	Ficus	Transplant
1421	**B952**	0.4	1.5	0.04	Ashoka	Transplant
1422	**B953**	0.7	3	0.08	Ashoka	Transplant
1423	**B954**	0.4	3	0.07	Ashoka	Transplant
1424	**B955**	1	2	0.05	C.B.	Transplant

1425	**B956**	0.7	3	0.1	Ashoka	Transplant
1426	**B957**	0.6	3	0.08	Ashoka	Transplant
1427	**B958**	0.6	4	0.09	Ashoka	Transplant
1428	**B959**	12	14	2.8	Jamun	Transplant
1429	**B960**	4	6	0.5	Neem	Transplant
1430	**B961**	12	14	2.6	Jamun	Transplant
1431	**B962**	1	3	0.15	Ashoka	Transplant
1432	**B963**	2	3	0.2	Pipal	Transplant
1433	**B964**	3	4	0.4	Palm	Transplant
1434	**B965**	3	4	0.5	Piliya	Transplant
1435	**B966**	1.5	2	0.25	Palm	Transplant
1436	**B967**	3	2	0.25	Champa	Transplant
1437	**B968**	3	2.5	0.3	Champa	Transplant
1438	**B969**	3	2.5	0.3	Champa	Transplant
1439	**B970**	2	2	0.15	Jasmine	Transplant
1440	**B971**	10	10	2.1	Moulsari	Retain
1441	**B972**	3	3	0.35	Amla	Transplant
1442	**B973**	1.5	2.2	0.4	Palm	Transplant
1443	**B974**	3	4	0.35	Neem	Transplant
1444	**B975A**	8	9	0.8	Moulsari	Retain
1445	**B975B**	7	8	0.7	Moulsari	Retain
1446	**B976**	12	8	1.3	Moulsari	Retain
1447	**B977**	1.5	1.1	0.25	Palm	Retain
1448	**B978**	1.5	1.5	0.35	Palm	Retain
1449	**B979**	1.5	1.5	0.3	Palm	Transplant
1450	**B980**	7	6	1.2	Moulsari	Transplant
1451	**B981**	6	5	0.7	Champa	Retain
1452	**B982**	5	4	0.6	Champa	Retain
1453	**B983A**	4	5	0.3	Champa	Retain
1454	**B983B**	3	4	0.2	Champa	Retain
1455	**B984**	5	6	0.75	Champa	Retain
1456	**B985A**	0.5	1.5	0.07	Ticoma	Retain
1457	**B985B**	0.5	1.5	0.08	Ticoma	Retain
1458	**B985C**	0.5	1.5	0.05	Ticoma	Retain
1459	**B985D**	0.5	1.5	0.06	Ticoma	Retain
1460	**B986**	4	4	0.3	Cascabela	Transplant
1461	**B987**	6	5	0.8	Champa	Transplant
1462	**B988**	4	4	0.5	Champa	Transplant
1463	**B989**	10	12	1.9	Beech	Transplant
1464	**B990A**	2.5	3	0.2	Champa	Transplant
1465	**B990B**	2.5	3	0.35	Champa	Transplant
1466	**B991**	4	4	0.6	Champa	Transplant
1467	**B992**	2	3	0.7	Palm	Transplant
1468	**B993A**	1	2	0.11	Amla	Transplant
1469	**B993B**	1	2	0.06	Amla	Transplant
1470	**B994**	0.7	1.2	0.08	Ficus	Transplant
1471	**B995**	1	1.5	0.2	Ficus	Transplant
1472	**B996**	0.6	1.2	0.06	Ficus	Transplant
1473	**B997**	6	6	0.7	Champa	Transplant
1474	**B998**	5	5	0.6	Champa	Transplant
1475	**B999**	2	3	0.5	Shahtut	Transplant

1476	**B1000**	12	11	1.5	Saras	Transplant
1477	**B1001**	1.5	3	0.07	Acacia	Transplant
1478	**B1002**	0.6	2	0.05	Neem	Transplant
1479	**B1003**	5	10	0.9	Cascabela	Transplant
1480	**B1004**	1.2	2.5	0.17	Amrud	Transplant
1481	**B1005**	6	4	0.65	Champa	Transplant
1482	**B1006**	6	5	0.55	Champa	Transplant
1483	**B1007**	6	5	0.5	Champa	Transplant
1484	**B1008A**	3	5	0.35	Champa	Transplant
1485	**B1008B**	4	5	0.35	Champa	Transplant
1486	**B1009**	7	12	1.4	Alstonia Scholaris	Transplant
1487	**B1010**	1.5	2	0.7	Palm	Transplant
1488	**B1011**	1.5	2	0.7	Palm	Transplant
1489	**B1012**	1.5	2	0.7	Palm	Transplant
1490	**B1013**	1.5	2	0.7	Palm	Transplant
1491	**B1014**	1.5	2	0.7	Palm	Transplant
1492	**B1015**	2	2.5	0.2	Jamun	Transplant
1493	**B1016A**	2	3	0.25	Gular	Transplant
1494	**B1016B**	2	3	0.2	Gular	Transplant
1495	**B1017**	3	3	0.35	Gular	Transplant
1496	**B1018**	3	3	0.2	Amrud	Transplant
1497	**B1019**	5	4	0.9	Alstonia Scholaris	Transplant
1498	**B1020**	2	2	0.6	Peregrina	Transplant
1499	**B1021**	2	1.5	0.6	Peregrina	Transplant
1500	**B1022**	7	12	1.6	Alstonia Scholaris	Transplant
1501	**B1023**	2	2	0.45	Peregrina	Transplant
1502	**B1024**	2	2	0.35	Peregrina	Transplant
1503	**B1025**	8	16	2.4	Alstonia Scholaris	Transplant
1504	**B1026A**	4	5	0.65	Alstonia Scholaris	Transplant
1505	**B1026B**	4	5	0.6	Alstonia Scholaris	Transplant
1506	**B1027**	1	1.2	0.8	Palm	Transplant
1507	**B1028**	1	1.2	0.8	Palm	Transplant
1508	**B1029**	1	1	0.7	Palm	Transplant
1509	**B1030**	1	1	0.7	Palm	Transplant
1510	**B1031**	1	1.2	0.8	Palm	Transplant
1511	**B1032**	5	7	0.75	Bargad	Transplant
1512	**B1033**	2	2	0.15	Sagwan	Transplant
1513	**B1034**	6	9	0.9	Cascabela	Transplant
1514	**B1035A**	0.5	1.5	0.08	Semal	Transplant
1515	**B1035B**	0.5	1.5	0.06	Semal	Transplant
1516	**B1036**	1.5	2	0.11	Palm	Transplant
1517	**B1037**	0	2	0.1	Palm	Transplant
1518	**B1038**	10	12	1.4	Arjun	Transplant
1519	**B1039**	6	10	1	Arjun	Transplant
1520	**B1040**	8	12	1.2	Arjun	Transplant
1521	**B1041**	6	12	1.3	Arjun	Retain
1522	**B1042**	0.15	3	0.1	Neem	Retain
1523	**B1043**	6	10	1	Arjun	Retain
1524	**B1044**	2	3	0.25	Bargad	Retain
1525	**B1045**	3	6	0.5	Arjun	Retain
1526	**B1046**	5	8	2.2	Beech	Retain

1527	**B1047**	5	9	0.75	Arjun	Retain
1528	**B1048**	6	11	1.1	Arjun	Retain
1529	**B1049**	6	1	1.1	Arjun	Transplant
1530	**B1050**	8	9	1.3	Arjun	Transplant
1531	**B1051**	1.5	2	0.2	X1	Transplant
1532	**B1052**	6	10	1.1	Arjun	Transplant
1533	**B1053**	7	11	1.45	Arjun	Transplant
1534	**B1054**	10	11	1.35	Neem	Transplant
1535	**B1055**	5	5	0.5	Champa	Transplant
1536	**B1056**	0.7	3	0.05	Pipal	Retain
1537	**B1057**	8	9	1.2	Neem	Retain
1538	**B1058**	10	11	1.35	Neem	Transplant
1539	**B1059**	3	4	0.3	Pipal	Transplant
1540	**B1060**	2	3	0.25	Pipal	Transplant
1541	**B1061**	2	3	0.25	Bakayan	Transplant
1542	**B1062**	2	3	0.25	Shahtut	Transplant
1543	**B1063A**	1	3	0.1	Bargad	Transplant
1544	**B1063B**	1	2	0.07	Bargad	Transplant
1545	**B1064**	1.5	2.5	0.15	Neem	Transplant
1546	**B1065A**	1	3	0.1	Pipal	Transplant
1547	**B1065B**	1	2	0.07	Pipal	Transplant
1548	**B1066**	5	5	0.75	Piliya	Transplant
1549	**B1067**	2	2	0.2	Jasmine	Transplant
1550	**B1068**	5	6	0.7	Piliya	Transplant
1551	**B1069**	1	1	0.16	Putranjiva	Transplant
1552	**B1070**	2	4	0.16	Neem	Transplant
1553	**B1071**	7	10	0.9	Neem	Transplant
1554	**B1072**	2	3	0.3	Piliya	Transplant
1555	**B1073**	1	1	0.3	Palm	Transplant
1556	**B1074**	1	1	0.3	Palm	Transplant
1557	**B1075**	1	1.2	0.4	Palm	Transplant
1558	**B1076**	14	14	2.5	Jamun	Transplant
1559	**B1077**	7	7	1.1	Beech	Transplant
1560	**B1078**	14	14	2.5	Jamun	Transplant
1561	**B1079**	12	14	2.25	Jamun	Transplant
1562	**B1080**	2	4	0.22	Neem	Transplant
1563	**B1081**	1	3	0.17	Ashoka	Transplant
1564	**B1082**	12	15	2.3	Jamun	Transplant
1565	**B1083**	1	1.5	0.08	Champa	Transplant
1566	**B1084**	8	8	1.25	Beech	Transplant
1567	**B1085**	15	15	2.7	Jamun	Transplant
1568	**B1086**	1.5	3	0.18	Beech	Transplant
1569	**B1087**	1.5	3	0.09	Lemon	Transplant
1570	**B1088**	4	5	0.15	Wood Apple	Transplant
1571	**B1089**	1.5	2.5	0.17	Bail Pathar	Transplant
1572	**B1090**	2	2	0.16	Lemon	Transplant
1573	**B1091**	2	1.5	0.15	Lemon	Transplant
1574	**B1092**	10	12	2	Pipal	Transplant
1575	**B1093**	2	4	0.07	Acacia	Transplant
1576	**B1094**	2	3	0.06	Acacia	Transplant
1577	**B1095**	2	3	0.09	Shahtut	Transplant

1578	**B1096**	1	2	0.04	Shahtut	Transplant
1579	**B1097**	1	2	0.04	Shahtut	Transplant
1580	**B1098**	1	1.5	0.03	Shahtut	Transplant
1581	**B1099**	1	1.5	0.03	Gular	Transplant
1582	**B1100**	1	3	0.05	Shahtut	Transplant
1583	**B1101**	1	2	0.02	Shahtut	Transplant
1584	**B1102**	2	3	0.1	Shahtut	Transplant
1585	**B1103A**	2	3	0.7	Gular	Transplant
1586	**B1103B**	2	3	0.08	Gular	Transplant
1587	**B1104**	2	3	0.1	Shahtut	Transplant
1588	**B1105**	2	3	0.4	Gular	Transplant
1589	**B1106**	2	3	0.09	Gular	Transplant
1590	**B1107**	2.5	4	0.11	Gular	Transplant
1591	**B1108**	1	2	0.07	Putranjiva	Transplant
1592	**B1109**	1	2	0.09	Gular	Transplant
1593	**B1110**	1	2	0.09	Gular	Transplant
1594	**B1111**	1	2	0.1	Gular	Transplant
1595	**B1112**	1	2	0.1	Gular	Transplant
1596	**B1113**	2	2	0.11	Gular	Transplant
1597	**B1114**	15	15	2.1	Saras	Transplant
1598	**B1115A**	5	5	0.5	Shahtut	Transplant
1599	**B1115B**	4	4	0.3	Shahtut	Transplant
1600	**B1116**	8	8	1.65	Beech	Transplant
1601	**B1117**	7	10	1.3	Beech	Transplant
1602	**B1118**	1	3	0.25	Orchid	Transplant
1603	**B1119**	2	4	0.5	Orchid	Transplant
1604	**B1120**	4	8	0.75	Orchid	Transplant
1605	**B1121**	4	8	0.7	Orchid	Transplant
1606	**B1122**	1	3	0.25	Orchid	Transplant
1607	**B1123A**	6	8	1.1	Shahtut	Transplant
1608	**B1123B**	4	6	0.85	Shahtut	Transplant
1609	**B1124**	8	12	1.7	Pipal	Transplant
1610	**B1125A**	10	10	1.7	Beech	Retain
1611	**B1125B**	4	6	0.55	Beech	Retain
1612	**B1126**	8	10	1.3	Beech	Retain
1613	**B1127**	8	8	1	Ficus	Retain
1614	**B1128**	13	15	2.75	Pipal	Transplant
1615	**B1129**	4	10	0.5	Cassia	Transplant
1616	**B1130**	4	10	0.65	Cassia	Transplant
1617	**B1131**	1	1.5	0.05	Wood Apple	Transplant
1618	**B1132**	4	5	0.4	Bankok	Transplant
1619	**B1133**	5	12	0.9	Cassia	Transplant
1620	**B1134**	10	14	2.4	Gular	Transplant
1621	**B1135A**	4	10	1	Lagerstroemia	Transplant
1622	**B1135B**	2	3	0.13	Lagerstroemia	Transplant
1623	**B1135C**	1	3	0.1	Lagerstroemia	Transplant
1624	**B1135D**	1	3	0.11	Lagerstroemia	Transplant
1625	**B1136**	2	4	0.3	Wood Apple	Retain
1626	**B1137**	5	4	0.5	Amla	Retain
1627	**B1138**	2	3	0.2	Chiku	Retain
1628	**B1139**	3	3	0.2	Chiku	Retain

1629	**B1140A**	1	2	0.15	Kikar	Retain
1630	**B1140B**	1	2	0.15	Kikar	Retain
1631	**B1141A**	1.5	4	0.16	Circaea Alpina	Transplant
1632	**B1141B**	1	3	0.13	Circaea Alpina	Transplant
1633	**B1142A**	1	3	0.15	Custurd Apple	Transplant
1634	**B1142B**	1	2.5	0.11	Custurd Apple	Transplant
1635	**B1142C**	1	2	0.12	Custurd Apple	Transplant
1636	**B1143**	2.5	4	0.25	Mangolia Grandiflora	Transplant
1637	**B1144**	6	8	0.8	Kadam	Transplant
1638	**B1145**	3	3	0.25	Powder Puff	Transplant
1639	**B1146**	3	3	0.25	Powder Puff	Transplant
1640	**B1147A**	3	2.5	0.2	Powder Puff	Transplant
1641	**B1147B**	2	2	0.11	Powder Puff	Transplant
1642	**B1148**	5	8	0.55	Kadam	Transplant
1643	**B1149A**	3	2	0.15	Powder Puff	Transplant
1644	**B1149B**	3	2	0.11	Powder Puff	Transplant
1645	**B1150A**	3	2.5	0.17	Powder Puff	Transplant
1646	**B1150B**	2	2	0.1	Powder Puff	Transplant
1647	**B1150C**	2	2	0.1	Powder Puff	Transplant
1648	**B1151A**	2	2.5	0.2	Powder Puff	Transplant
1649	**B1151B**	2	2	0.14	Powder Puff	Transplant
1650	**B1152**	3	2.5	0.25	Tropical	Transplant
1651	**B1153**	3	2.5	0.15	Powder Puff	Transplant
1652	**B1154A**	2	2.5	0.18	Powder Puff	Transplant
1653	**B1154B**	2	2.5	0.15	Powder Puff	Transplant
1654	**B1155**	3	2.5	0.2	Powder Puff	Transplant
1655	**B1156**	10	10	1.2	Moulsari	Transplant
1656	**B1157**	12	9	1.2	Moulsari	Transplant
1657	**B1158**	13	13	2.3	Semal	Transplant
1658	**B1159**	6	6	0.75	Moulsari	Transplant
1659	**B1160A**	0.5	1.5	0.04	Mango	Transplant
1660	**B1160B**	0.4	1	0.06	Mango	Transplant
1661	**B1161**	2	3	0.2	Kadam	Transplant
1662	**B1162**	2	3	0.15	Semal	Retain
1663	**B1163**	1.5	2	0.09	Beech	Retain
1664	**B1164**	2	2	0.07	Amrud	Transplant
1665	**B1165**	9	9	1.25	Moulsari	Retain
1666	**B1166**	8	8	2.4	Beech	Retain
1667	**B1167A**	2	4	0.2	Circaea Alpina	Transplant
1668	**B1167B**	1	3	0.15	Circaea Alpina	Transplant
1669	**B1167C**	1	3	0.15	Circaea Alpina	Transplant
1670	**B1167D**	1	3	0.1	Circaea Alpina	Transplant
1671	**B1168A**	3	4	0.35	Circaea Alpina	Transplant
1672	**B1168B**	2	3	0.12	Circaea Alpina	Transplant
1673	**B1169A**	3	4	0.2	Circaea Alpina	Transplant
1674	**B1169B**	2	3	0.17	Circaea Alpina	Transplant
1675	**B1169C**	1.5	2	0.12	Circaea Alpina	Transplant
1676	**B1170A**	3	4	0.25	Circaea Alpina	Transplant
1677	**B1170B**	2	3	0.15	Circaea Alpina	Transplant
1678	**B1170C**	1.5	2	0.12	Circaea Alpina	Transplant
1679	**B1171**	3	4	0.25	Circaea Alpina	Transplant

1680	**B1172**	4	5	0.35	Pipal	Transplant
1681	**B1173A**	2.5	3.5	0.25	Circaea Alpina	Transplant
1682	**B1173B**	2	3	0.17	Circaea Alpina	Transplant
1683	**B1173C**	1.5	2.5	0.15	Circaea Alpina	Transplant
1684	**B1174**	6	6	0.3	Champa	Transplant
1685	**B1175A**	1	2	0.11	Champa	Transplant
1686	**B1175B**	1	2	0.08	Champa	Transplant
1687	**B1176**	5	5	0.6	Champa	Transplant
1688	**B1177**	5	5	0.35	Champa	Transplant
1689	**B1178A**	1.5	3	0.17	Ficus	Transplant
1690	**B1178B**	1	3	0.12	Ficus	Transplant
1691	**B1178C**	1	3	0.1	Ficus	Transplant
1692	**B1178D**	1	3	0.08	Ficus	Transplant
1693	**B1179**	2	3	0.25	Amaltash	Transplant
1694	**B1180**	6	8	1.2	Neem	Transplant
1695	**B1181A**	5	10	0.9	Gular	Retain
1696	**B1181B**	4	8	0.75	Gular	Retain
1697	**B1182**	4	9	0.6	Cassia	Retain
1698	**B1183**	6	9	1.2	Amaltash	Retain
1699	**B1184**	5	11	0.7	Cassia	Transplant
1700	**B1185**	10	12	1.4	Ficus	Retain
1701	**B1186**	6	6	0.8	Champa	Transplant
1702	**B1187**	4	10	0.7	Cassia	Transplant
1703	**B1188**	6	8	1.4	Champa	Transplant
1704	**B1189**	7	10	1.3	Ficus	Retain
1705	**B1190**	6	6	0.85	Ficus	Retain
1706	**B1191**	6	8	1.1	Amaltash	Retain
1707	**B1192A**	3	7	0.6	Beech	Retain
1708	**B1192B**	3	7	0.8	Beech	Retain
1709	**B1192C**	3	7	0.9	Beech	Retain
1710	**B1192D**	6	8	1.1	Beech	Retain
1711	**B1193**	4	7	0.5	Shahtut	Retain
1712	**B1194**	10	9	1.4	Amaltash	Retain
1713	**B1195**	5	9	0.85	Orchid	Retain
1714	**B1196**	8	7	0.7	Neem	Retain
1715	**B1197**	6	12	1.3	Alstonia Scholaris	Retain
1716	**B1198**	4	8	1.1	Gular	Transplant
1717	**B1199**	6	6	0.7	Neem	Transplant
1718	**B1200A**	1	2	0.1	Bair	Transplant
1719	**B1200B**	1	2.5	0.12	Bair	Transplant
1720	**B1200C**	1	2	0.09	Bair	Transplant
1721	**B1201**	3	3	0.5	Pipal	Transplant
1722	**B1202**	4	12	1.2	Palm	Transplant
1723	**B1203**	2	3	0.1	Pipal	Transplant
1724	**B1204**	1	2	0.08	Neem	Transplant
1725	**B1205**	7	12	1.2	Jamun	Transplant
1726	**B1206**	1	1.5	0.06	Shahtut	Retain
1727	**B1207**	1	2	0.07	Shahtut	Retain
1728	**B1208A**	5	6	0.75	Pipal	Transplant
1729	**B1208B**	3.5	5	0.5	Pipal	Transplant
1730	**B1208C**	3.5	5	0.45	Pipal	Transplant

1731	**B1208D**	3	5	0.35	Pipal	Transplant
1732	**B1209A**	3.5	5	0.6	Beech	Transplant
1733	**B1209B**	3	4	0.3	Beech	Transplant
1734	**B1209C**	3	4	0.25	Beech	Transplant
1735	**B1210**	6	8	0.75	Pipal	Transplant
1736	**B1211**	1	2	0.09	Beech	Transplant
1737	**B1212A**	1	2	0.1	Pipal	Transplant
1738	**B1212B**	1	2	0.1	Pipal	Transplant
1739	**B1212C**	1	2	0.12	Pipal	Transplant
1740	**B1212D**	1	2	0.08	Pipal	Transplant
1741	**B1212E**	1	2	0.08	Pipal	Transplant
1742	**B1212F**	1	2	0.06	Pipal	Transplant
1743	**B1212G**	1	2	0.07	Pipal	Transplant
1744	**B1212H**	1	2	0.06	Pipal	Transplant
1745	**B1213**	4	6	0.85	Pipal	Transplant
1746	**B1214**	5	8	0.8	Pipal	Transplant
1747	**B1215A**	6	8	0.4	Pipal	Transplant
1748	**B1215B**	4.5	7	0.4	Pipal	Transplant
1749	**B1216**	8	10	1.4	Jamun	Retain
1750	**B1217**	3	6	0.6	Pipal	Transplant
1751	**B1218**	5	5	0.6	Beech	Transplant
1752	**B1219**	6	10	1.1	Beech	Retain
1753	**B1220A**	5	9	1.75	Saras	Retain
1754	**B1220B**	4	9	1.4	Saras	Retain
1755	**B1221**	6	6	0.9	Beech	Retain
1756	**B1222**	5	10	1.15	Putranjiva	Transplant
1757	**B1223**	6	8	0.9	Putranjiva	Transplant
1758	**B1224A**	8	8	1.4	Putranjiva	Transplant
1759	**B1224B**	1	1.2	0.7	Putranjiva	Transplant
1760	**B1225**	8	10	1.8	Saras	Retain
1761	**B1226**	6	10	1.1	Gular	Transplant
1762	**B1227A**	2	4	0.25	Acacia	Transplant
1763	**B1227B**	5	7	0.4	Acacia	Transplant
1764	**B1227C**	3	4	0.25	Acacia	Transplant
1765	**B1227D**	2	3	0.15	Acacia	Transplant
1766	**B1227E**	2	3	0.15	Acacia	Transplant
1767	**B1228**	4	5	0.45	Neem	Retain
1768	**B1229**	8	10	1.2	Putranjiva	Transplant
1769	**B1230**	8	8	1.8	Saras	Transplant
1770	**B1231**	4	5	0.4	Jamun	Transplant
1771	**B1232**	3	9	1.5	Palm	Transplant
1772	**B1233**	6	8	1.05	Neem	Transplant
1773	**B1234**	10	16	3.1	Shisham	Transplant
1774	**B1235**	6	8	0.75	Cashew	Transplant
1775	**B1236**	8	10	1.3	Cashew	Transplant
1776	**B1237**	5	8	0.85	Beech	Retain
1777	**B1238A**	6	10	1.15	Moringa	Retain
1778	**B1238B**	5	8	0.8	Moringa	Retain
1779	**B1238C**	6	10	1	Moringa	Retain
1780	**B1239A**	5	8	0.6	Pipal	Transplant
1781	**B1239B**	1	2	0.25	Pipal	Transplant

1782	**B1240**	8	8	1.1	Mango	Transplant
1783	**B1241**	6	8	1.4	Mango	Transplant
1784	**B1242**	4	10	0.6	Neem	Transplant
1785	**B1243**	5	10	0.65	Neem	Transplant
1786	**B1244**	4	7	0.5	Neem	Transplant
1787	**B1245**	6	8	0.65	Kadam	Transplant
1788	**B1246**	4	7	0.55	Neem	Transplant
1789	**B1247**	3	9	0.5	Shisham	Transplant
1790	**B1248**	3	9	0.35	Shisham	Transplant
1791	**B1249**	3	8	0.5	Shisham	Transplant
1792	**B1250**	3	6	0.3	Shisham	Transplant
1793	**B1251**	2.5	6	0.5	Semal	Transplant
1794	**B1252**	4	6	0.65	Neem	Transplant
1795	**B1253**	3	6	0.4	Neem	Transplant
1796	**B1254**	3	6	0.3	Beech	Transplant
1797	**B1255A**	3	6	0.4	Semal	Transplant
1798	**B1255B**	3	6	0.35	Semal	Transplant
1799	**B1256**	1	3	0.08	Shisham	Transplant
1800	**B1257**	1	3	0.08	Shisham	Transplant
1801	**B1258**	1	3	0.08	Shisham	Transplant
1802	**B1259A**	8	8	1.3	Neem	Transplant
1803	**B1259B**	3	5	0.3	Neem	Transplant
1804	**B1260**	0.4	1	0.16	Acacia	Transplant
1805	**B1261**	9	15	1.8	Pine	Transplant
1806	**B1262**	6	10	0.85	Gular	Transplant
1807	**B1263**	4	7	0.4	Sagwan	Transplant
1808	**B1264**	5	9	0.65	Sagwan	Transplant
1809	**B1265**	4	7	0.45	Neem	Transplant
1810	**B1266**	4	10	0.6	Semal	Transplant
1811	**B1267**	10	14	1.9	Ficus	Transplant
1812	**B1268**	6	8	0.9	Ficus	Transplant
1813	**B1269**	12	17	2.3	Saras	Transplant
1814	**B1270**	10	12	1.5	Mango	Transplant
1815	**B1271A**	6	6	0.7	Beech	Transplant
1816	**B1271B**	2	3	0.4	Beech	Transplant
1817	**B1271C**	2	3	0.1	Beech	Transplant
1818	**B1272**	4	6	0.35	Ficus	Transplant
1819	**B1273**	6	9	0.9	Neem	Transplant
1820	**B1274**	33	5	0.45	Shahtut	Transplant
1821	**B1275**	3	8	0.3	Sagwan	Transplant
1822	**B1276**	6	8	0.7	Bargad	Transplant
1823	**B1277**	3	6	0.25	Semal	Transplant
1824	**B1278**	3	7	0.35	Semal	Transplant
1825	**B1279**	3	7	0.3	Semal	Transplant
1826	**B1280A**	5	8	0.35	Shahtut	Transplant
1827	**B1280B**	4	7	0.3	Shahtut	Transplant
1828	**B1281**	4	9	0.5	Neem	Transplant
1829	**B1282**	3	8	0.5	Neem	Transplant
1830	**B1283**	4	12	0.5	Semal	Transplant
1831	**B1284**	6	10	0.75	Neem	Transplant
1832	**B1285**	6	9	0.6	Neem	Transplant

1833	**B1286**	6	9	0.6	Neem	Transplant
1834	**B1287A**	5	6	0.4	Ficus	Transplant
1835	**B1287B**	3	4	0.2	Ficus	Transplant
1836	**B1288**	5	6	0.5	Beech	Transplant
1837	**B1289**	6	6	0.3	Ficus	Transplant
1838	**B1290A**	5	6	0.5	Beech	Transplant
1839	**B1290B**	1.5	3	0.2	Beech	Transplant
1840	**B1291A**	5	6	0.4	Beech	Transplant
1841	**B1291B**	2	3	0.2	Beech	Transplant
1842	**B1292A**	7	10	0.9	Gular	Transplant
1843	**B1292B**	6	7	0.45	Gular	Transplant
1844	**B1292C**	6	7	0.8	Gular	Transplant
1845	**B1292D**	6	7	0.6	Gular	Transplant
1846	**B1293**	1	1.5	0.3	Shahtut	Transplant
1847	**B1294**	6	8	0.8	Neem	Transplant
1848	**B1295**	6	8	0.65	Neem	Transplant
1849	**B1296**	4	10	0.6	Saras	Transplant
1850	**B1297**	6	10	0.9	Semal	Transplant
1851	**B1298**	6	7	0.8	Jamun	Transplant
1852	**B1299A**	8	12	1	Shahtut	Transplant
1853	**B1299B**	4	8	0.4	Shahtut	Transplant
1854	**B1299C**	3	4	0.2	Shahtut	Transplant
1855	**B1300**	4	15	1.6	Palm	Transplant
1856	**B1301A**	6	9	0.8	Gular	Transplant
1857	**B1301B**	3	5	0.25	Gular	Transplant
1858	**B1302**	16	16	4.1	Pipal	Transplant
1859	**B1303**	6	10	1	Saras	Transplant
1860	**B1304**	4	6	0.5	Neem	Transplant
1861	**B1305**	3	6	0.35	Neem	Transplant
1862	**B1306**	6	8	0.55	Neem	Transplant
1863	**B1307**	6	9	0.6	Neem	Transplant
1864	**B1308**	3	10	0.6	Semal	Transplant
1865	**B1309**	5	9	0.65	Shisham	Transplant
1866	**B1310A**	3	10	0.5	Gular	Transplant
1867	**B1310B**	2	6	0.2	Gular	Transplant
1868	**B1311A**	7	8	0.9	Beech	Transplant
1869	**B1311B**	5	8	0.4	Beech	Transplant
1870	**B1311C**	7	8	0.6	Beech	Transplant
1871	**B1311D**	4	6	0.3	Beech	Transplant
1872	**B1312**	3	6	0.55	Beech	Transplant
1873	**B1313**	8	10	0.85	Saras	Transplant
1874	**B1314**	7	9	1.1	Pipal	Transplant
1875	**B1315**	4	6	0.35	Neem	Transplant
1876	**B1316**	6	6	0.25	Shahtut	Transplant
1877	**B1317**	10	5	0.45	Semal	Transplant
1878	**B1318**	6	9	0.4	Gular	Transplant
1879	**B1319**	7	10	0.5	Semal	Transplant
1880	**B1320**	6	8	0.4	Semal	Transplant
1881	**B1321**	6	10	0.7	Neem	Transplant
1882	**B1322**	74	9	0.45	Gular	Transplant
1883	**B1323**	4	8	0.5	Shahtut	Transplant

1884	**B1324**	4	7	0.3	Gular	Transplant
1885	**B1325**	5	8	0.45	Gular	Transplant
1886	**B1326A**	5	9	0.65	Bair	Transplant
1887	**B1326B**	3	7	0.45	Bair	Transplant
1888	**B1327**	8	10	1.15	Gular	Transplant
1889	**B1328**	2	10	1.4	Palm	Transplant
1890	**B1329**	7	12	0.9	Neem	Transplant
1891	**B1330**	4	8	0.45	Semal	Transplant
1892	**B1331**	4	6	0.3	Gular	Transplant
1893	**B1332**	3	8	0.5	Semal	Transplant
1894	**B1333A**	10	15	1.8	Pipal	Transplant
1895	**B1333B**	8	10	1.1	Pipal	Transplant
1896	**B1333C**	8	9	0.95	Pipal	Transplant
1897	**B1333D**	6	8	0.6	Pipal	Transplant
1898	**B1334**	5	10	0.7	Gular	Transplant
1899	**B1335**	4	9	0.5	Gular	Transplant
1900	**B1336**	5	8	0.6	Shisham	Transplant
1901	**B1337**	10	12	1.6	Cassia	Transplant
1902	**B1338**	7	12	0.8	Cassia	Transplant
1903	**B1339A**	8	14	1.9	Pipal	Transplant
1904	**B1339B**	6	12	1.4	Pipal	Transplant
1905	**B1339C**	3	6	0.3	Pipal	Transplant
1906	**B1340**	7	10	1.5	Pipal	Transplant
1907	**B1341**	8	12	1.1	Kikar	Transplant
1908	**B1342A**	8	8	0.6	Shahtut	Transplant
1909	**B1342B**	6	7	0.5	Shahtut	Transplant
1910	**B1343A**	8	8	1.4	Kikar	Transplant
1911	**B1343B**	8	9	1.2	Kikar	Transplant
1912	**B1344**	5	9	0.65	Neem	Transplant
1913	**B1345**	5	8	0.35	Beech	Transplant
1914	**B1346**	2	4	0.14	Acacia	Transplant
1915	**B1347A**	8	10	0.95	Pipal	Transplant
1916	**B1347B**	3	6	0.4	Pipal	Transplant
1917	**B1348A**	7	12	0.7	Gular	Transplant
1918	**B1348B**	4	8	0.5	Gular	Transplant
1919	**B1349**	10	6	0.9	Bair	Transplant
1920	**B1350**	8	10	1.45	Ficus	Transplant
1921	**B1351**	4	6	0.35	Ashoka	Transplant
1922	**B1352**	7	12	0.9	Ashoka	Transplant
1923	**B1353**	7	12	1.1	Ashoka	Transplant
1924	**B1354**	10	12	1.3	Gular	Transplant
1925	**B1355**	12	14	2.2	Gular	Transplant
1926	**B1356**	15	15	2.8	Pipal	Transplant
1927	**B1357**	8	14	1	Ashoka	Transplant
1928	**B1358**	9	8	0.9	Ashoka	Transplant
1929	**B1359**	6	9	0.9	Bottlebrush	Transplant
1930	**B1360**	1	6	1.1	Acacia	Transplant
1931	**B1361**	5	6	0.7	Ashoka	Transplant
1932	**B1362**	7	10	0.8	Bair	Transplant
1933	**B1363**	2	7	0.35	Gular	Transplant
1934	**B1364**	4	8	0.75	Ashoka	Transplant

1935	**B1365**	6	10	0.95	Pipal	Transplant
1936	**B1366**	5	10	0.65	Shahtut	Transplant
1937	**B1367**	7	14	1.2	Gular	Transplant
1938	**B1368**	3	5	0.35	Gular	Transplant
1939	**B1369**	4	8	0.35	Shahtut	Transplant
1940	**B1370**	3	7	0.25	Gular	Transplant
1941	**B1371**	6	10	0.7	Gular	Transplant
1942	**B1372**	5	6	0.35	Shahtut	Transplant
1943	**B1373**	4	10	0.6	Gular	Transplant
1944	**B1374**	6	10	0.9	Ashoka	Transplant
1945	**B1375**	5	12	0.9	Semal	Transplant
1946	**B1376**	8	9	1	Ashoka	Transplant
1947	**B1377**	6	10	0.9	Gular	Transplant
1948	**B1378**	6	8	0.8	Gular	Transplant
1949	**B1379**	7	6	0.5	Acacia	Transplant
1950	**B1380**	4	6	0.45	Gular	Transplant
1951	**B1381**	6	10	1	Gular	Transplant
1952	**B1382**	4	6	0.3	Gular	Transplant
1953	**B1383**	7	7	0.5	Acacia	Transplant
1954	**B1384**	3	8	0.4	Gular	Transplant
1955	**B1385**	3	1	0.3	Gular	Transplant
1956	**B1386**	15	15	3.9	Moulsari	Transplant
1957	**B1387**	4	8	0.4	Gular	Transplant
1958	**B1388**	4	4	0.5	Gular	Transplant
1959	**B1389**	3	7	0.4	Gular	Transplant
1960	**B1390**	5	10	0.7	Gular	Transplant
1961	**B1391**	6	8	0.5	Shahtut	Transplant
1962	**B1392**	5	4	0.3	Gular	Transplant
1963	**B1393**	6	8	0.6	Gular	Transplant
1964	**B1394**	6	7	0.45	Gular	Transplant
1965	**B1395**	4	8	0.45	Acacia	Transplant
1966	**B1396**	6	8	0.5	Gular	Transplant
1967	**B1397**	4	7	0.35	Beech	Transplant
1968	**B1398A**	3	6	0.6	Shahtut	Transplant
1969	**B1398B**	2	4	0.3	Shahtut	Transplant
1970	**B1399**	5	8	1	Shahtut	Transplant
1971	**B1400**	6	6	0.55	Neem	Transplant
1972	**B1401**	6	8	2.15	Beech	Transplant
1973	**B1402A**	3	8	0.5	Gular	Transplant
1974	**B1402B**	2	4	0.2	Gular	Transplant
1975	**B1403**	4	9	0.5	Gular	Transplant
1976	**B1404**	6	10	0.7	Gular	Transplant
1977	**B1405A**	5	6	0.55	Gular	Transplant
1978	**B1405B**	3	4	0.3	Gular	Transplant
1979	**B1406**	8	12	2.2	Beech	Transplant
1980	**B1407**	3	5	0.45	Acacia	Transplant
1981	**B1408**	7	10	0.8	Acacia	Transplant
1982	**B1409**	5	8	0.4	Gular	Transplant
1983	**B1410**	3	7	0.3	Gular	Transplant
1984	**B1411**	3	8	0.35	Gular	Transplant
1985	**B1412**	5	8	0.5	Shahtut	Transplant

1986	**B1413**	6	8	0.5	Gular	Transplant
1987	**B1414**	5	8	0.4	Gular	Transplant
1988	**B1415**	6	12	0.75	Shahtut	Transplant
1989	**B1416**	5	10	0.55	Shahtut	Transplant
1990	**B1417**	5	10	0.8	Shahtut	Transplant
1991	**B1418**	6	10	0.65	Acacia	Transplant
1992	**B1419**	4	6	0.4	Neem	Transplant
1993	**B1420**	6	6	0.6	Shahtut	Transplant
1994	**B1421**	3	4	0.25	Beech	Transplant
1995	**B1422**	18	16	3.2	Neem	Transplant
1996	**B1423**	5	8	0.5	Acacia	Transplant
1997	**B1424**	8	10	0.55	Acacia	Transplant
1998	**B1425A**	5	9	0.45	Acacia	Transplant
1999	**B1425B**	3	7	0.35	Acacia	Transplant
2000	**B1426**	6	7	0.6	Acacia	Transplant
2001	**B1427**	6	8	0.5	Acacia	Transplant
2002	**B1428**	5	6	0.6	Sagwan	Transplant
2003	**B1429**	6	10	1.1	Gular	Transplant
2004	**B1430**	6	8	0.5	Acacia	Transplant
2005	**B1431**	7	8	0.6	Acacia	Transplant
2006	**B1432**	6	8	0.5	Acacia	Transplant
2007	**B1433A**	6	8	0.45	Acacia	Transplant
2008	**B1433B**	4	6	0.2	Acacia	Transplant
2009	**B1434**	5	8	0.4	Acacia	Transplant
2010	**B1435**	4	4	0.3	Acacia	Transplant
2011	**B1436**	4	7	0.45	Acacia	Transplant
2012	**B1437A**	6	10	0.8	Sagwan	Transplant
2013	**B1437B**	5	9	0.65	Sagwan	Transplant
2014	**B1437C**	4	8	0.4	Sagwan	Transplant
2015	**B1438**	6	10	0.85	Neem	Transplant
2016	**B1439A**	6	10	0.8	Pipal	Transplant
2017	**B1439B**	4	8	0.3	Pipal	Transplant
2018	**B1440**	4	10	0.5	Pipal	Transplant
2019	**B1441**	2	6	0.45	Sagwan	Transplant
2020	**B1442**	3	5	0.35	Neem	Transplant
2021	**B1443A**	6	7	0.35	Bair	Transplant
2022	**B1443B**	6	7	0.3	Bair	Transplant
2023	**B1444**	3	5	0.4	Sagwan	Transplant
2024	**B1445**	6	8	0.4	Sagwan	Transplant
2025	**B1446**	4	6	0.35	Sagwan	Transplant
2026	**B1447**	4	7	0.5	Sagwan	Transplant
2027	**B1448**	5	9	0.5	Shahtut	Transplant
2028	**B1449**	3	4	0.4	Neem	Transplant
2029	**B1450**	6	6	0.5	Sagwan	Transplant
2030	**B1451**	4	8	0.4	Sagwan	Transplant
2031	**B1452**	5	8	0.6	Sagwan	Transplant
2032	**B1453**	5	8	0.7	Pipal	Transplant
2033	**B1454**	16	16	4.1	Neem	Transplant
2034	**B1455**	4	8	0.35	Sagwan	Transplant
2035	**B1456**	3	7	0.3	Sagwan	Transplant
2036	**B1457**	3	7	0.3	Sagwan	Transplant

2037	**B1458**	3	6	0.3	Sagwan	Transplant
2038	**B1459**	4	6	0.4	Sagwan	Transplant
2039	**B1460**	4	6	0.3	Sagwan	Transplant
2040	**B1461**	6	6	0.45	Sagwan	Transplant
2041	**B1462A**	4	10	0.5	Acacia	Transplant
2042	**B1462B**	3	8	0.3	Acacia	Transplant
2043	**B1463**	6	10	0.45	Acacia	Transplant
2044	**B1464**	1	6	0.65	Acacia	Transplant
2045	**B1465A**	3	5	0.4	Pipal	Transplant
2046	**B1465B**	3	5	0.35	Pipal	Transplant
2047	**B1466**	3	8	0.35	Sagwan	Transplant
2048	**B1467**	5	8	0.45	Sagwan	Transplant
2049	**B1468**	6	6	0.25	Sagwan	Transplant
2050	**B1469**	3	6	0.3	Sagwan	Transplant
2051	**B1470**	4	9	0.65	Sagwan	Transplant
2052	**B1471**	6	10	0.7	Sagwan	Transplant
2053	**B1472**	3	5	0.25	Sagwan	Transplant
2054	**B1473**	5	9	0.55	Sagwan	Transplant
2055	**B1474**	4	8	0.4	Sagwan	Transplant
2056	**B1475A**	3	6	0.15	Sagwan	Transplant
2057	**B1475B**	2	5	0.2	Sagwan	Transplant
2058	**B1476A**	4	8	0.3	Sagwan	Transplant
2059	**B1476B**	3	6	0.2	Sagwan	Transplant
2060	**B1477**	5	8	0.5	Sagwan	Transplant
2061	**B1478A**	6	12	0.7	Sagwan	Transplant
2062	**B1478B**	3	5	0.15	Sagwan	Transplant
2063	**B1479A**	6	12	0.8	Sagwan	Transplant
2064	**B1479B**	3	10	0.4	Sagwan	Transplant
2065	**B1480**	4	9	0.6	Sagwan	Transplant
2066	**B1481**	3	5	0.25	Sagwan	Transplant
2067	**B1482**	10	10	1.8	Beech	Transplant
2068	**B1483**	3	3	0.2	Sagwan	Transplant
2069	**B1484**	15	15	4.2	Gular	Transplant
2070	**B1485**	1	3	0.07	Ashoka	Transplant
2071	**B1486**	1	2	0.08	Ashoka	Transplant
2072	**B1487**	1	2	0.05	Ashoka	Transplant
2073	**B1488**	1	4	0.1	Ashoka	Transplant
2074	**B1489**	1	4	0.09	Ashoka	Transplant
2075	**B1490**	1	4	0.1	Ashoka	Transplant
2076	**B1491**	5	6	0.3	Magnolia	Transplant
2077	**B1492**	4	6	0.35	Pipal	Transplant
2078	**B1493**	2	4	0.2	Pipal	Transplant
2079	**B1494**	5	9	0.4	Sagwan	Transplant
2080	**B1495**	4	9	0.35	Pipal	Transplant
2081	**B1496**	3	8	0.35	Pipal	Transplant
2082	**B1497**	3	6	0.25	Pipal	Transplant
2083	**B1498**	3	6	0.7	Pipal	Transplant
2084	**B1499**	5	8	0.6	Gular	Transplant
2085	**B1500**	4	4	0.6	Pipal	Transplant
2086	**B1501**	4	8	0.75	Beech	Transplant
2087	**B1502**	6	10	0.75	Gular	Transplant

2088	**B1503**	3	7	0.45	Gular	Transplant
2089	**B1504**	4	8	0.55	Gular	Transplant
2090	**B1505**	3	3	0.3	Gular	Transplant
2091	**B1506A**	3	4	0.4	Pipal	Transplant
2092	**B1506B**	3	4	0.3	Pipal	Transplant
2093	**B1507**	2	4	0.25	Pipal	Transplant
2094	**B1508**	2	4	0.25	Pipal	Transplant
2095	**B1509**	3	2	0.2	Pipal	Transplant
2096	**B1510**	4	3	0.3	Gular	Transplant
2097	**B1511**	2	4	0.25	Pipal	Transplant
2098	**B1512**	3	4	0.3	Pipal	Transplant
2099	**B1513**	3	4	0.3	Pipal	Transplant
2100	**B1514**	2	3	0.2	Pipal	Transplant
2101	**B1515**	3	4	0.45	Pipal	Transplant
2102	**B1516**	3	4	0.45	Pipal	Transplant
2103	**B1517**	3	4	0.35	Pipal	Transplant
2104	**B1518**	2	2.5	0.3	Pipal	Transplant
2105	**B1519**	2	2	0.25	Pipal	Transplant
2106	**B1520**	5	6	0.6	Gular	Transplant
2107	**B1521**	4	5	0.45	Neem	Transplant
2108	**B1522**	6	8	0.6	Gular	Transplant
2109	**B1523**	4	6	0.45	Pipal	Transplant
2110	**B1524**	6	6	0.6	Shahtut	Transplant
2111	**B1525**	6	7	0.7	Pipal	Transplant
2112	**B1526**	2	3	0.4	Acacia	Transplant
2113	**B1527**	3	6	0.4	Pipal	Transplant
2114	**B1528**	4	5	0.5	Semal	Transplant
2115	**B1529**	3	4	0.35	Semal	Transplant
2116	**B1530**	5	5	0.6	Semal	Transplant
2117	**B1531**	3	4	0.25	Semal	Transplant
2118	**B1532**	2	4	0.15	Semal	Transplant
2119	**B1533**	4	8	0.6	Semal	Transplant
2120	**B1534**	5	8	1.85	Bargad	Transplant
2121	**B1535**	8	10	1.2	Gular	Transplant
2122	**B1536**	6	8	0.6	Pipal	Transplant
2123	**B1537**	10	12	1.8	Pipal	Transplant
2124	**B1538**	4	9	0.7	Pipal	Transplant
2125	**B1539**	6	10	0.6	Gular	Transplant
2126	**B1540A**	6	8	0.8	Gular	Transplant
2127	**B1540B**	4	7	0.4	Gular	Transplant
2128	**B1540C**	4	7	0.4	Gular	Transplant
2129	**B1540D**	4	6	0.35	Gular	Transplant
2130	**B1540E**	2	3	0.2	Gular	Transplant
2131	**B1541A**	4	8	0.5	Gular	Transplant
2132	**B1541B**	4	8	0.4	Gular	Transplant
2133	**B1541C**	4	7	0.35	Gular	Transplant
2134	**B1542A**	5	8	0.6	Gular	Transplant
2135	**B1542B**	4	8	0.45	Gular	Transplant
2136	**B1542C**	4	6	0.3	Gular	Transplant
2137	**B1543**	3	9	0.45	Gular	Transplant
2138	**B1544**	6	8	0.6	Gular	Transplant

2139	**B1545**	5	9	0.45	Gular	Transplant
2140	**B1546A**	5	7	1.1	Gular	Transplant
2141	**B1546B**	5	6	0.8	Gular	Transplant
2142	**B1547**	4	8	0.45	Gular	Transplant
2143	**B1548**	4	8	0.45	Gular	Transplant
2144	**B1549**	3	8	0.6	Acacia	Transplant
2145	**B1550**	9	8	0.4	Shahtut	Transplant
2146	**B1551**	2	4	0.2	Gular	Transplant
2147	**B1552A**	6	8	0.5	Gular	Transplant
2148	**B1552B**	4	8	0.45	Gular	Transplant
2149	**B1552C**	4	6	0.4	Gular	Transplant
2150	**B1553A**	3	10	0.5	Shahtut	Transplant
2151	**B1553B**	3	10	0.45	Shahtut	Transplant
2152	**B1554**	4	10	0.55	Gular	Transplant
2153	**B1555**	5	8	0.45	Gular	Transplant
2154	**B1556**	2	3	0.11	Gular	Transplant
2155	**B1557**	1	2.5	0.07	Gular	Transplant
2156	**B1558**	2	3	0.17	Acacia	Transplant
2157	**B1559**	4	3	0.2	Gular	Transplant
2158	**B1560**	2	3	0.11	Shahtut	Transplant
2159	**B1561**	3	7	0.45	Shahtut	Transplant
2160	**B1562**	6	8	0.35	Gular	Transplant
2161	**B1563**	5	8	0.55	Pipal	Transplant
2162	**B1564A**	1	3	0.07	Acacia	Transplant
2163	**B1564B**	1	3	0.07	Acacia	Transplant
2164	**B1565**	1	2	0.1	Beech	Transplant
2165	**B1566A**	2	4	0.12	Acacia	Transplant
2166	**B1566B**	1.5	3	0.1	Acacia	Transplant
2167	**B1566C**	1	2	0.08	Acacia	Transplant
2168	**B1566D**	1	2	0.05	Acacia	Transplant
2169	**B1567A**	6	10	0.6	Shahtut	Transplant
2170	**B1567B**	6	10	0.6	Shahtut	Transplant
2171	**B1568**	3	6	0.25	Gular	Transplant
2172	**B1569**	1	2	0.06	Neem	Transplant
2173	**B1570**	2.5	3	0.25	Pipal	Transplant
2174	**B1744C**	1	1	0.07	Pongamia Pinnata	Retain
2175	**B1757A**	1	3	0.1	Acacia Species	Retain
2176	**B1758B**	1	3	0.09	Acacia Species	Retain
2177	**B1758C**	1	3	0.08	Acacia Species	Retain
2178	**B1758D**	1	2	0.07	Acacia Species	Retain
2179	**B1758E**	1	1	0.07	Acacia Species	Retain
2180	**B1759A**	1	3	0.08	Acacia Species	Retain
2181	**B1759B**	1	3	0.06	Acacia Species	Retain
2182	**B1760A**	2	2	0.2	Acacia Species	Retain
2183	**B1760B**	1	1	0.07	Acacia Species	Retain
2184	**B1760C**	1	1	0.07	Acacia Species	Retain
2185	**B1761A**	1	1	0.07	Acacia Species	Retain
2186	**B1761B**	1	2	0.07	Acacia Species	Retain
2187	**B1762**	1	2	0.07	Acacia Species	Retain
2188	**B1763A**	1.5	3	0.1	Acacia Species	Retain
2189	**B1763B**	1.5	3	0.1	Acacia Species	Retain

2190	**B1763C**	1	1	0.09	Acacia Species	Retain
2191	**B1763D**	1	1	0.09	Acacia Species	Retain
2192	**B1763E**	1	1	0.07	Acacia Species	Retain
2193	**B1763F**	1	1	0.05	Acacia Species	Retain
2194	**B1763G**	1	1	0.06	Acacia Species	Retain
2195	**B1764**	1	1	0.06	Acacia Species	Retain
2196	**B1765A**	1	2	0.06	Acacia Species	Retain
2197	**B1765B**	1	2	0.09	Acacia Species	Retain
2198	**B1765C**	1	2	0.1	Acacia Species	Retain
2199	**B1766A**	1	2	0.05	Morus Alba	Retain
2200	**B1766B**	1	2	0.05	Morus Alba	Retain
2201	**B1766C**	1	2	0.04	Morus Alba	Retain
2202	**B1766D**	1	2	0.03	Morus Alba	Retain
2203	**B1767A**	1	2	0.07	Acacia Species	Retain
2204	**B1767B**	1	2	0.06	Acacia Species	Retain
2205	**B1767C**	1	2	0.1	Acacia Species	Retain
2206	**B1768A**	0.6	1.2	0.08	Ficus Racemosa	Retain
2207	**B1768B**	0.4	1	0.14	Ficus Racemosa	Retain
2208	**B1769A**	2	2	0.07	Ficus Racemosa	Retain
2209	**B1769B**	1	2	0.06	Ficus Racemosa	Retain
2210	**B1769C**	1	1	0.05	Ficus Racemosa	Retain
2211	**B1770A**	1	2	0.1	Acacia Species	Retain
2212	**B1770B**	1	0.4	0.06	Acacia Species	Retain
2213	**B1771**	0.3	2	0.07	Ficus Racemosa	Retain
2214	**B1772**	1	2	0.04	Acacia Species	Retain
2215	**B1773A**	1	1.5	0.15	Pongamia Pinnata	Retain
2216	**B1773B**	1	2	0.16	Pongamia Pinnata	Retain
2217	**B1773C**	1	1	0.17	Pongamia Pinnata	Retain
2218	**B1774A**	1	2	0.1	Pongamia Pinnata	Retain
2219	**B1774B**	1	1	0.11	Pongamia Pinnata	Retain

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 12)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that for the process of transplantation of trees an amount of Rs. 2.18 crore has been allocated in the tender for the said project and it will take approximately 5 months to complete the process of transplantation.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 5)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that the net present value (NPV) of the above said Deemed Forest Land has been paid. In case of any upward revision of rates of NPV during this period then the difference NPV amount will be paid.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

ANNEXURE II

OFFICE OF THE SUB DIVISIONAL MAGISTRATE (CHANAKYAPURI)
NEW DELHI DISTRICT, REVENUE DEPARTMENT
GOVERNMENT OF NCT OF DELHI
12/1, JAM NAGAR HOUSE, SHAHJAHAN ROAD, NEW DELHI-110011.

No. PA/SDM/CH.PURI//2021/ 4249-51 Dated:- 11-08-2021

The Supdtt. Engg.
Central Vista Project Circle-II
CPWD
Room No.6, E-Wing, Nirman Bhawan, New Delhi

Sub: Regarding request for issuance of FRA Certificate in r/o diversion of Forest Land for non-forest purpose-Construction of Common Central Secretariat-1,2,3 at Plot No.137, Rajender Prasad Road, New Delhi (Existing IGNCA Campus).

Sir,

Please refer to your letter No. 23(CCS)/SE/CVPC-II/2021-22/39 dated: 09.08.2021 on the cited subject above.

In this regard, it is informed here that as per Constitution (Scheduled Tribes) Order, 1950, there does not exist any notified tribe in Delhi.

This issues with the approval of District Magistrate, New Delhi.

11/8/2021

(GEETA GROVER)
SDM (CHANAKYAPURI),
NEW DELHI DISTRICT

Copy for information to:

1. The DCF (West Forest Division), Mandir Lane, New Delhi
2. PA to DM, New Delhi District, 12/1, Jam Nagar House, New Delhi

F. No. 21-105/2020-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003

Date: May 31st, 2021

To,

Shri. Ashwani Mittal,
Executive Enginee,
M/s Central Public Works Department (CPWD)
Central Vista Project Division-1,
A-201, IP Bhawan, IP Estate,
Connaught Place, New Delhi, Delhi-110001
Email: ashwani.mittal@gov.in

Subject: **Environmental Clearance for Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre along with Prime Minister's Residence, SPG Building and Vice President's Enclave, at 137, 120, 22A, 22B, 22C, 23D, 23C, 23B, 138, A&B Hutments, Part of Plot 30B and 108, New Delhi by M/s Central Public Works Department (CPWD) – Regarding.**

Sir,

This has reference to your Application/Proposal No. IA/DL/MIS/206262/2020; received on 27th March, 2021 through Parivesh Portal for Environmental Clearance (EC) for Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre along with Prime Minister's Residence, SPG Building and Vice President's Enclave, at 137, 120, 22A, 22B, 22C, 23D, 23C, 23B, 138, A&B Hutments, Part of Plot 30B and 108, New Delhi by M/s Central Public Works Department (CPWD).

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006; as amended and notified under the Environment (Protection) Act, 1986 (29 of 1986), the above-mentioned project/activity is covered under category 'B' of item 8(b) 'Townships and Area Development projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to non-existence of SEIAA in Delhi, the proposal required appraisal at Central level by sectoral EAC.

3. Accordingly, the abovementioned proposal for Environmental Clearance has been examined by the Expert Appraisal Committee (Infra-2) in its 64th meeting held during 12-13 April, 2021.

4. The details of the project, as per the application and documents submitted by the project proponent, and also as informed during the above-mentioned meeting of EAC (Infra-2) are as under:

i. The project is located at 137, 120, 22A, 22B, 22C, 23D, 23C, 23B, 138, A&B Hutments, Part of Plot 30B and 108, New Delhi with coordinates:

North - From: 28°36'39.27" To 28°36'53.78" (Latitude) and East - From: 77°13'37.61" To 77°11'59.83" (Longitude).

ii. The project is a 'Redevelopment'.

iii. Existing buildings for which redevelopment is proposed were constructed and operationalized before coming-in-force of the EIA notifications 1994/2006 except Jawaharlal Nehru Bhawan (MEA Office), for which EC was granted vide File No. 21-499/2006.IA.III dated 22.12.2006 by MoEF&CC.

iv. The project was granted ToR vide File No. 21-105/2020-IA-III dated 04.01.2021 by MoEF&CC.

v. The total plot area is 5,06,402.82 sqm, maximum FAR is 2 and total construction (Built-up) area of 17,21,500.0 sqm. The project will comprise of 51 Buildings. Maximum height of the building is 40 m. Existing Built-up area is 4,58,820 sqm (for all existing buildings). The details of building are as follows:

S. No.	Particulars	CCS 1-9 & CCC	CCS 10	PMR	SPG	VP Enclave	Total
1	Plot Area (~sqm)	3,51,125.0	17,846.10	60,702.80	10,117.00	66,611.40	5,06,402.82
2	Plot Area (~Acres)	86.77	4.41	15	2.5	16.46	125.14
3	Plot Area (~Hectare)	35.11	1.8	6.07	1.01	6.66	50.63
4	Plot nos	137,120, 22 (22A,22B,22C), 23 (23B,23C,23D)	138	A&B Hutments*	Part of Plot 30B	108	-
5	Permissible Ground coverage (~sqm)	1,75,551.50	8,923	30,351.40	5,059	33,305.70	2,53,190.41
6	Permissible FAR	2	2	2	2	2	-
7	Actual Ground Coverage (~sqm) achieved	1,35,750	4,920	9,500	5,050	9,500	1,64,720
8	Actual FAR achieved	2	1.34	0.3	2	0.27	-
9	Basement Area(~sqm)	4,46,800	11,300	NA	5,100	NA	4,63,200
10	Area To be demolishe	3,88,677	7,162	24,423	19,379	19,179	4,58,820

	d (BUA)/Existing BUA (~sqm)						
11	No. of Floors	2B+G+UG+6, 2B+G+1	2B+G+5	G, G+1, G+2	B+G+1	G, G+1, G+2, G+4	-
12	Total No of Buildings	10	1	10	1	29	51
13	Maximum Height(m)	40	27	12	10	15	-
14	Total Parking provided (~)	13,032	687	112	175	89	14,095
15	Landscape / Green Area (~sqm)	32,870	2,700	25,800	1,010	18,840	81,220
16	Total Employee Population (~)	51,900	400	1,000	500	1,000	54,800
17	Floating Population	12,400	300	500	300	500	14,000
18	Project Cost (~Cr)	13,450					13,450

vi. During construction phase, total water requirement (fresh water/potable) is expected to be 1,390 KLD which will be met by New Delhi Municipal Corporation (NDMC). During the construction phase, STP will be provided for pre-treatment of waste water for construction. Toilets will be provided for labor force.

vii. During operational phase, total water requirement of the project is expected to be 7,818 KLD and the same will be met by 2,609 KLD fresh water from NDMC and 5,209 KLD Recycled Water which shall be sourced from onsite STPs and Okhla STP. Wastewater generated (3,928 KLD) will be treated in phase wise STPs of total 4,100 KLD capacity. Total 9 STPs are proposed (1100 KLD for CCS 1,2,3; 1100 KLD for CCS 6,7,8; 825 KLD CCS 4,5; 500 KLD for CCS 9; 100 KLD for CCC; 40 KLD for CCS 10; 200 KLD for PMR; 35 KLD for SPG; 200 KLD for VP Enclave). 3,535 KLD of treated wastewater will be recycled and reused (1,286 KLD for flushing, 3,354 KLD for HVAC and 569 KLD for gardening etc.). Additional treated water requirement shall be supplemented from Okhla STP. No discharge is envisaged to be disposed in to municipal drain. However, drainage connection will be kept for emergency, abnormal and maintenance related operations.

viii. About 14.661 TPD solid wastes will be generated in the project. The biodegradable waste (5.924 TPD) will be processed in OWC and the non-biodegradable waste generated (7.240 TPD) will be handed over to authorized local vendor. Inert wastes (1.49 TPD) will be sent to landfill.

ix. The total power requirement during construction phase is 6,900 KW and will be met from NDMC and total power requirement during operation phase is 73,440 KW and will be met from NDMC.

x. Rooftop rainwater of buildings will be collected in 15 RWH tanks of total 3,050 cu.m capacity for water harvesting after filtration.

xi. Parking facility for 14,095 ECS is proposed to be provided.

xii. Proposed energy saving measures would save about 7 % of power.

xiii. Comparative analysis of existing /envision pollution load

S. No.	Parameter	Unit	Existing	After Expansion	Remarks
1	**LAND USE**				
1.1	Plot Area	sqm	5,06,403	5,06,403	There is no addition of land as the project is rehabilitation or resettlement
1.2	Built-up Area	sqm	4,58,820	17,21,500	Built-up Area increases, but remains within FAR Norms
1.3	Ground Coverage	sqm	1,74,109	1,64,720	Total ground coverage (footprint of all buildings considered in this EC application) will reduce by about 5.4%.
1.4	Maximum Height of Building	m	25	40	Within permitted norms
2	**WATER & WASTE WATER**				
2.1	Raw Water – Source	-	NDMC	NDMC	Permission letter from the Competent Authority will be taken prior to commencement of works
2.2	Water permission/ other permissions	-	NDMC	NDMC	No ground water will be abstracted for the project
2.3	Raw Water Details				
	a. Potable	KLD	692	2,609	Permission letter from the Competent Authority will be taken prior to commencement of works
	b. Non Potable	KLD	857	4,640	Treated wastewater will be sourced from NDMC's Okhla STP and used (after further polishing / treatment as required) for non-potable requirements.
	c. Irrigation	KLD	288	569	

	d. Total	KLD	1,837	7,818	
2.4	Waste water	KLD	1,125	3,928	The additional wastewater generated will be entirely re-used for HVAC, gardening and flushing purposes after complete treatment. Release into sewers will stop; however sewer connections will be maintained for abnormal and emergency conditions.
2.5	STP Capacity	KLD	Nil	4,100	Today maximum wastewater is let out into the drain. In the future, the entire wastewater will be treated and re-used completely, reducing stress on the public infrastructure and pollution load on the ultimate receptor (River Yamuna).
2.6	Reuse water	KLD	Nil	3,535	Currently reuse of water is not practiced and this will be practiced moving forward, as already mentioned.
3	**AIR QUALITY & POLLUTION CONTROL**				
3.1	No. of DG Sets	-	31	38	-
3.2	Total DG Set capacity	kVA	16,315	78,000	Increase in back-up power, will lead to increase in back-up DG set capacity.
3.3	No. of Vehicles (Parking Provided)	-	NA	14,095	-
4	**POWER DEMAND**				
4.1	Power Requirement via Grid	-	26,325.69 kVA	73,440 KW	-
5	**SOLID & HAZARDOUS WASTE MANAGEMENT**				
5.1	Hazardous Chemical				

	Storage at Site				
	a. Diesel	L/hr.	4,501	15,520	Considering 2 days of HSD requirement for DG sets
5.2	Solid Waste Generation	TPD	5.555	14.66	Increase in solid waste with increase in population; the system of Solid Waste Management will now be state-of-the-art and will entail in-house management of wastes through segregation and compost preparation with recyclables sold out. Inerts will be sent to landfill vis-a-vis the current system of disposing the entire wastes into the NDMC system.
5.2.1	Bio degradable Waste Generation	TPD		5.92	Currently wastes are sent into the NDMC system. It is proposed that these fractions will be converted to compost, in-situ using equipment within the buildings.
5.2.2	Non-Bio degradable (essentially recyclable) waste generation	TPD		7.24	These wastes will be sorted and sent for recycling.
5.2.3	Inert waste generation	TPD		1.49	These wastes will be sent to landfill
6	**ECOLOGY & BIODIVERSITY**				
6.1	Landscape / Green Area	sqm	41,009 (Area for CCS 1-9 & CCC)	81,220	Decrease in green areas within existing IGNCA (future CCS 1, 2 & 3); Increase in green areas in proposed VPE.
6.2	No. of trees in project area	No.	4,642	~3,165	It is expected that 1 tree per 80 sqm of open area.
6.3	No. of trees outside project area	No.	Nil	30,547	-

	attributable to compensatory afforestation				

xiv. The project is not located in Critically Polluted area.

xv. The project is located ~8.58 km from Okhla Bird Sanctuary, however it is outside the eco-sensitive zone of Okhla Bird Sanctuary. NBWL Clearance is not required.

xvi. Forest Clearance is not required.

xvii. Details of Court Cases/Litigations/Show Cause/Closure Notice issued against the project are given as follows:

S. No.	Case Details	Status
A	Supreme Court cases challenging change in land use (which was notified for 7 plots on 20.03.2020 while 1 plot (V P Residence) is in process of notification)	
1	SLP(C) Diary no. 8430 of 2020 filed by Sh Rajeev Suri	Hearing related to change in land use for all other 7 plots has been completed on 03.09.2020. Hon'ble Supreme Court dismissed all petitions on 05.01.2021.
2	Transferred Case(Civil) 229 of 2020 filed by Sh Rajeev Suri	
3	Transferred Case(Civil) 230 of 2020 filed by Sh Anuj Shrivastava	
4	Writ Petition (Civil) 853 of 2020 filed by Sh Kavas Kapadia and others	
5	Writ petition (Civil) 684 of 2020 filed by Sh Rajeev Suri against notification for inviting objections for change in land use of plot no. 1(VP Residence)	Disposed off on 28.08.2020
6	WP (C) 1378 of 2020 filed by Sh Rajeev Suri	Land use change for Plot No.108. Hon'ble Supreme Court directed that hearing will be taken up only after final Order is passed in matter at S.No. 1-4 above. Next date of hearing is pending.
B	Supreme Court cases challenging appointment of Consultant, granting of EC, no objection by Central Vista Committee, Approval by Delhi Urban Arts Commission, Heritage Conservation, Inviting of bids etc. for New Parliament Building	
1	Writ Petition (Civil) 510 of 2020 filed by Sh Rajeev Suri	Hearing concluded on 05th November 2020. Hon'ble Supreme Court dismissed all petitions on 05.01.2021.
2	WP(C) 638 of 2020 filed by Sh AGK Menon & Others	

3	WP(C) 681 of 2020 filed by Sh Rajeev Suri	
4	WP(C) 845 of 2020 filed by Smt Meena Gupta and others	
5	WP(C) 922 of 2020 filed by Sh Rajeev Suri	
C	Additional order passed on 07-12-2020	It was clarified that the authorities would be free to continue with procedural processes without altering the status of the site(s) in question in any manner, including to continue with the scheduled programme of foundation stone-laying on 10th December, 2020. Hon'ble Supreme Court finally dismissed all petitions on 05.01.2021.

xviii. Details of commitment as mentioned in the Form 1A/Conceptual Plan/EIA:

SN.	Project Phase	Capital Cost	Recurring Cost (Annual)
Environmental Monitoring Plan			
1.	Construction Phase	7 lakh	15.06 lakh
2.	Operation Phase	16.90 lakh	41.16 lakh
Environmental Management Plan			
1.	Construction Phase	134.8 Cr	9.71 Cr
2.	Operation Phase	113.91 Cr	16.89 Cr
Corporate Environment Responsibility			
1.	Construction / Operation phase	5.0 Cr	

xix. Details of Green belt development and tree felling/transplantation are given as follows:

S. No.	Particulars	Value	Unit
1	No. of trees at site	4,642	Nos.
2	No. of trees to be retained at site	1,412	Nos.
3	No. of trees to be transplanted	3,230	Nos.
4	No. of trees to be added as part of compensatory afforestation	32,300	Nos.
5	Area available for landscape/green cover	81,220	sqm
6	Plot area	5,06,402.82	sqm
7	Open area (considering 50% of plot area)	2,53,201.41	sqm
8	Tree requirement (1 tree per 80 m^2 of open area)	3,165	Nos.
9	Total No. of trees to be retained+planted within project area	3,165	Nos.

10	No. of additional trees to be planted within project area as part of compensatory afforestation	1,753	Nos.
11	No. of additional trees to be planted outside project area as part of compensatory afforestation	30,547	Nos.
	Total no. of trees, inside and outside project area after completion of construction	33,712	Nos.

xx. Expected timeline for completion of the project is as follows:

S. No.	Master Plan Component	Tentative Completion: Month & Year
1	Expansion of Parliament Building / Construction of New Parliament Building	Nov-2022
2	CCS 1, 2 and 3	May-23
3	VP Enclave	May-22
4	Executive Enclave*	Dec-22
5	PM Residence (PMR)	Dec-22
6	SPG Building	Dec-22
7	CCS 10	Mar-24
8	CCS 6,7,8	Jun-24
9	CCS 4, 5,9	Jun-25
10	Central Conference Centre (CCC)	Dec-26
11	APM	Sep-26

xxi. Investment/Cost of the project is INR 13,450 (Crore).

xxii. Employment potential: 46,700 persons (Temporary employment during Construction).

xxiii. Benefits of the project: Social: The Common Central Secretariat will consolidate all ministries of the Government of India and improve productivity and efficiency of administration. The Central Conference Centre will cater to their conferencing needs. These will also be connected by a people mover to the Delhi Metro. Modern and secure residential facilities for the Vice President and the Prime Minister will be equipped with all necessary spaces and infrastructure, including the Special Protection Group; Environmental: Landscape/greenbelt development, traffic decongestion, provision of STP, OWC, safety aspects including fire-fighting system, maximum use of treated waste water, well-designed network of storm water drains, rain water harvesting system etc.

5. The EAC (Infra 2), based on information and clarifications provided by the project proponent and detailed discussions held on the issues, has recommended granting environment clearance to the project. The aforesaid recommendation of EAC (Infra-2) is subject to certain specific conditions, as stipulated during its 64th meeting held during 12-13 April, 2021.

6. Based on recommendations of EAC (Inra-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project for Development/Redevelopment of Common Central Secretariat

Buildings and Central Conference Centre along with Prime Minister's Residence, SPG Building and Vice President's Enclave, at 137, 120, 22A, 22B, 22C, 23D, 23C, 23B, 138, A&B Hutments, Part of Plot 30B and 108, New Delhi by M/s Central Public Works Department (CPWD), under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the following specific and standard conditions:

A. Specific Conditions:

i. Fresh water requirement from local authority shall not exceed 2609 KLD during operational phase. As committed, no groundwater abstraction shall be abstracted during construction as well as operation phase of the project.

ii. As proposed, waste water shall be treated in 9 onsite STPs (1100 KLD for CCS 1,2,3; 1100 KLD for CCS 6,7,8; 825 KLD CCS 4,5; 500 KLD for CCS 9; 100 KLD for CCC; 40 KLD for CCS 10; 200 KLD for PMR; 35 KLD for SPG; 200 KLD for VP Enclave) having total 4100 KLD capacity. At least 3,535 KLD treated water from the STP shall be recycled and re-used for flushing, gardening, HVAC etc. There shall be no discharge of treated water to municipal drain except in case of emergency, maintenance etc. as proposed. All 9 STPs shall be equipped with continuous online monitoring system for measurement of discharge and water quality. Data shall be shared/linked with DPCC regularly with web link.

iii. The project proponents would commission a third-party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.

iv. The solid waste shall be duly segregated into biodegradable and non-biodegradable components and handled in separate area earmarked for segregation of solid waste. As committed, biodegradable waste shall be composted by use of OWC. Inert waste shall be dumped to authorized site. The recyclable waste shall be sold to resellers.

v. Area for greenery shall be provided as per the details provided in the project document i.e., area under plantation/greenery will be 81,220 sqm. As proposed, at least 4918 trees to be maintained within the project site during the operation phase of the project. The landscape planning should include plantation of native species. A minimum of 01 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

vi. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed, 15 nos. of RWH tanks of total capacity 3050 cu.m shall be maintained for rainwater harvesting after filtration.

vii. Project Proponent should install two continuous online AAQ Monitoring stations in the project area in consultation with Delhi Pollution Control Committee (DPCC) before the start of demolition work. Online Monitoring should cover parameters e.g. PM10, PM2.5 along with NOx, SOx , covering upwind and downwind directions during the construction period.

Periodical monitoring of AAQ shall also be carried out through certified laboratory in order to validate the data. Data so generated should be displayed digitally on site for public display.

viii. A detailed traffic management and traffic decongestion plan shall be drawn and implemented to ensure that the service of the roads near project site may not get adversely impacted during implementation of the project. The plan should stipulate, inter-alia, the path and appropriate time for the movement of vehicles to and from site. The Plan shall be vetted by concerned agency in the State Govt.

ix. Noise barriers/acoustics of adequate efficiency shall be provided at each construction site during construction phase.

x. As committed, atleast 50 anti-smog guns and 15 anti-smog towers shall be provided to curb air pollution during construction phase. 15 anti-smog towers shall be installed during operation phase as proposed.

xi. PP shall obtain the necessary permission for dewatering of ground water from Central Ground Water Authority (CGWA).

xii. The PP shall also provide adequate number of electric charging points (preferably more than 5 at each building parking area) in the parking areas for e-vehicles as committed.

xiii. PP should implement all measure for enhancing energy conservation up to at least 10% through use of solar energy.

xiv. Barricading shall be done as required having typical low pressure misting arrangements during construction phase as proposed.

xv. Construction and Demolition (C&D) Waste shall be managed as per the C&D Waste Management Rules, 2016. PP shall explore the options for recycling and reuse of the C&D waste within the project to the maximum extent and maintain records of the same to be shared in 6 monthly report as required to be submitted by PP to respective IRO, MoEF&CC.

xvi. Onsite STP of adequate capacity shall be provided during construction phase for pre-treatment of treated wastewater sourced from Okhla STP as committed. There shall be no discharge of treated wastewater from the construction site as proposed. Only treated wastewater shall be used for construction purposes.

xvii. The workmen shall be provided with adequate PPE such as Safety shoes, helmets, masks, ear plugs etc. depending on the nature of the work.

xviii. Proper housing, sanitation, medical facilities etc. shall be provided to the construction workforce.

xix. Conservation and Management plan shall be prepared for the proposed compensatory plantation and submitted to the Ministry.

xx. Air pollution management plan shall be prepared in the context of Graded Action Plan for Delhi & NCR and submitted to the Ministry.

xxi. Project Proponent shall implement the use of non-ozone depleting substances in central air conditioning systems.

xxii. Project Proponent shall implement the adoption of green building techniques or roof plantation to avoid the formation of heat island effect in the area.

xxiii. Paints and coatings with low or no VOC content shall be used for interior wall and ceiling surface area to reduce adverse health impacts on building occupants.

xxiv. Ready-mix concrete shall be used to the larger extent to minimize dust emissions at site. Concreting activity shall be scheduled to avoid traffic congestion at the site. Photographs of site in this regard shall be shared in

6 monthly report as required to be submitted by PP to respective IRO, MoEF&CC.

xxv. PP shall develop an Environmental Management System (EMS) and detailed Environment Management Plan (EMP) for each component. A certified third-party agency shall be commissioned to audit the EMS and EMP for the construction and operation phase of the project on quarterly basis. The audit report shall be submitted along with the 6 monthly report as required to be submitted by PP to respective IRO, MoEF&CC.

xxvi. The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.

B. Standard Conditions:

I. Statutory compliance:

i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightening etc.

iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.

iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.

vi. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.

vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

ix. The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.

x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

II. Air quality monitoring and preservation:

i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction

and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$) covering upwind and downwind directions during the construction period.

iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.

vii. Wet jet shall be provided for grinding and stone cutting.

viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.

x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation:

i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

iii. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance

as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

iv. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

v. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

vi. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.

vii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.

viii. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

ix. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

x. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

xi. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

xii. All recharge should be limited to shallow aquifer.

xiii. No ground water shall be used during construction phase of the project.

xiv. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

xv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

xvi. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.

xvii. No sewage or untreated effluent water would be discharged through storm water drains.

xviii. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as

per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

xix. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

xx. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention:

i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures:

i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

ii. Outdoor and common area lighting shall be LED.

iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management:

i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
ii. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover:

i. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
ii. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
iii. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VIII. Transport

i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
   a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
   b. Traffic calming measures.
   c. Proper design of entry and exit points.
   d. Parking norms as per local regulation.

ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues:

i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

ii. For indoor air quality the ventilation provisions as per National Building Code of India.

iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

v. Occupational health surveillance of the workers shall be done on a regular basis.

vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Miscellaneous:

i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/ SEIAA website where it is displayed.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal

Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

v. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

vi. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

vii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report

viii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

ix. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

x. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

xi. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.

xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).

xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xvii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

7. The Environmental Clearance is being granted to M/s. Central Public Works Department (CPWD) for Development/Redevelopment of Common Central Secretariat Buildings and Central Conference Centre along with Prime Minister's Residence, SPG Building and Vice President's Enclave, at 137, 120, 22A, 22B, 22C, 23D, 23C, 23B, 138, A&B Hutments, Part of Plot 30B and 108, New Delhi.

8. This issues with the approval of the Competent Authority.

(Dr. Dharmendra Kumar Gupta)
Director (S)

Copy to:

1. Principal Secretary (Environment and Forest) cum Chairperson (DPCC), Department of Environment, Government of NCT of Delhi, 6th Floor, C Wing, Delhi Secretariat, I P Estate, Delhi-110002.
2. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Jaipur, Camp Office, 5th Floor, Sector "H" Aliganj, Lucknow – 226020
3. Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
5. Guard File/ Record File/ Notice Board/MoEF&CC website.

(Dr. Dharmendra Kumar Gupta)
Director (S)

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 1)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that the forest land shall not be used for any other purpose other than that specified in the project proposal.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 2)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the Govt. of India.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 3)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that Violation of any of these conditions will amount to violation of Forest (Conservation) Act 1980 and action would be taken as per MoEF&CC Guideline F. No. 11-42/2017-FC dated 29/01/2018.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

Full Title of the Project: - Diversion of 8.11 Ha forest land for construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

Ref: Proposal No. FP/FL/OTHERS/124256/2021 **Date of Proposal: - 11/3/2021**

UNDERTAKING (ANNEXURE 4)

It is to certify that I Shri Deepak, Executive Engineer, C.V.P.D-VII, CPWD, Room No. 317, Vidyut Bhawan, Connaught Place, New Delhi-110001 have applied for diversion of 8.11 Ha of Deemed Forest land for the purpose of Construction of Common Central Secretariat 1, 2 & 3 at existing IGNCA building.

I hereby undertake that any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife will be followed.

Deepak
Executive Engineer, CVPD-VII,
Vidyut Bhawan, Connaught Place,
New Delhi-110001

(DEEPAK)
Executive Engineer
Central Vista Project Division-VII
CPWD, Vidyut Bhawan
New Delhi-110001

Counter Signed by: -

DEPUTY CONSERVATOR OF FOREST
WEST FOREST DIVISION

ANNEXURE 13

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय : सहायक निदेशक (उधान)
सेंट्रल विस्टा प्रोजेक्ट डिविजन -IV,
के.लो.नि.वि., कमरा न. 330, तीसरी मंजिल,
विद्युत भवन, नई दिल्ली - 110001

O/o. Assistant Director (Hort).
Central Vista Project Division - IV,
CPWD, Room no. 330, 3rd Floor
Vidyut Bhawan, New Delhi - 110001
E-Mail – adhcvp@gmail.com

File No. 23(CCS)/AD(H)/CVPD-IV/2021-22/ 02 Date: 08-10-2021

Handing over / Taking over

With reference to letter no. 8B/DLI/09/5/2021/FC dated 06/09/2021, issued by Deputy Inspector General of Forests (Central), allocation of DDA land and measuring 25.506 hact. For compensatory Afforestation under FCA 1980 at master green plan sector-29. Dwarka to CPWD, NCRTC and Northern railways. In which land measuring 8.11 hact. Land as highlighted on drawing. The area is demarcated with concrete boundary pillars with 10m spacing on all sides. The marked land is free from encroachment and litigation. Now the marked land with fixed poles is hereby handed over to DCF West Forest Department Delhi (Authorized Person).

Handed over by

Deepak Kundra

1. Deepak Kundra, 08/10/2021
Assistant Director Horticulture
Central Vista Project Division-IV,
Central Public Works Department

1 Taken over by 8.10.21
Gets Hand
D.R.O (West) Land Branch

2. DEVENDER KUMAR (F.G.)
Devender
8/10/2021

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

स्वच्छ भारत
एक कदम स्वच्छता की ओर

कार्यालय : कार्यपालक अभियंता
सेंट्रल विस्टा प्रोजेक्ट डिविजन - 7
के.लो.नि.वि., कमरा न. 317,
विधुत भवन, नई दिल्ली - 110001

O/o Executive Engineer
Central Vista Project Division - 7,
CPWD, Room No. 317,
Vidyut Bhawan, New Delhi - 110001
E-Mail – eecvpd7@gmail.com

File No. 55(1)/EE/CVPD-VII/2021-22/308 Date: 17/11/2021

To

Conservator of Forests
Department of Forests and Wildlife
GNCTD, IP Estate
New Delhi-110002

Deptt. of Forests & Wildlife
Received Copy
Date 22/11/21
A-Block, Vikas Bhawan, New Delhi-02

Subject: Stage-II Approval for construction of Common Central Secretariat 1,2&3 at the existing IGNCA building by CPWD

Online Proposal No: FP/DL/Others/124256/2021

Reference: Letter no. 55(1)/EE/CVPD-VII/2021-22/240 dated 08/10/2021 from this office.

Letter no. 55(1)/EE/CVPD-VII/2021-22/286 dated 10/11/2021 from this office.

Letter no. 13/FCA/CCS/2021-22/7136-37 dated 16/11/2021 from your office.

Madam,

This is in reference to the compliance report of Stage-I of subject work submitted by this office vide letter dated 10/11/2021 of this office and observations on same communicated by your goodself vide aforecited letter.

1. **Tree transplantation area:** In reference to this, please find enclosed herewith the co-ordinates of location (Annexure 1), where tree transplantation / translocation of CCS-1,2 & 3 is being proposed now.

   It is pertinent to mention here that contentious/overlapped area (Annexure 2) between land allotted to NHAI and CPWD is removed. Earlier it was proposed to transplant all the 1734 tree viz 100% required to be translocated. With the overlapped area being removed 1550 number of trees can still be accommodated in the rest of the area which is in compliance with the provisions of Tree Transplantation Policy as per which only 80% i.e. 1387 are required to be transplanted.

   Accordingly, it is proposed to transplant 1550 number of trees.

OFFICE OF THE CONSERVATOR OF FORESTS (WILDLIFE)
Dy No. 7803
Date 17/11/21

2. **FRA certificate:** Regarding FRA certificate in respect of diversion of forest land for non-forest purpose please find enclosed herewith the copy of same as Annexure – 3. It is specifically mentioned in the same that it is issued with the approval of DM (New Delhi).

You are requested to process the case of Stage-II clearance on priority basis.

Enclosed: Annexure 1 to 3.

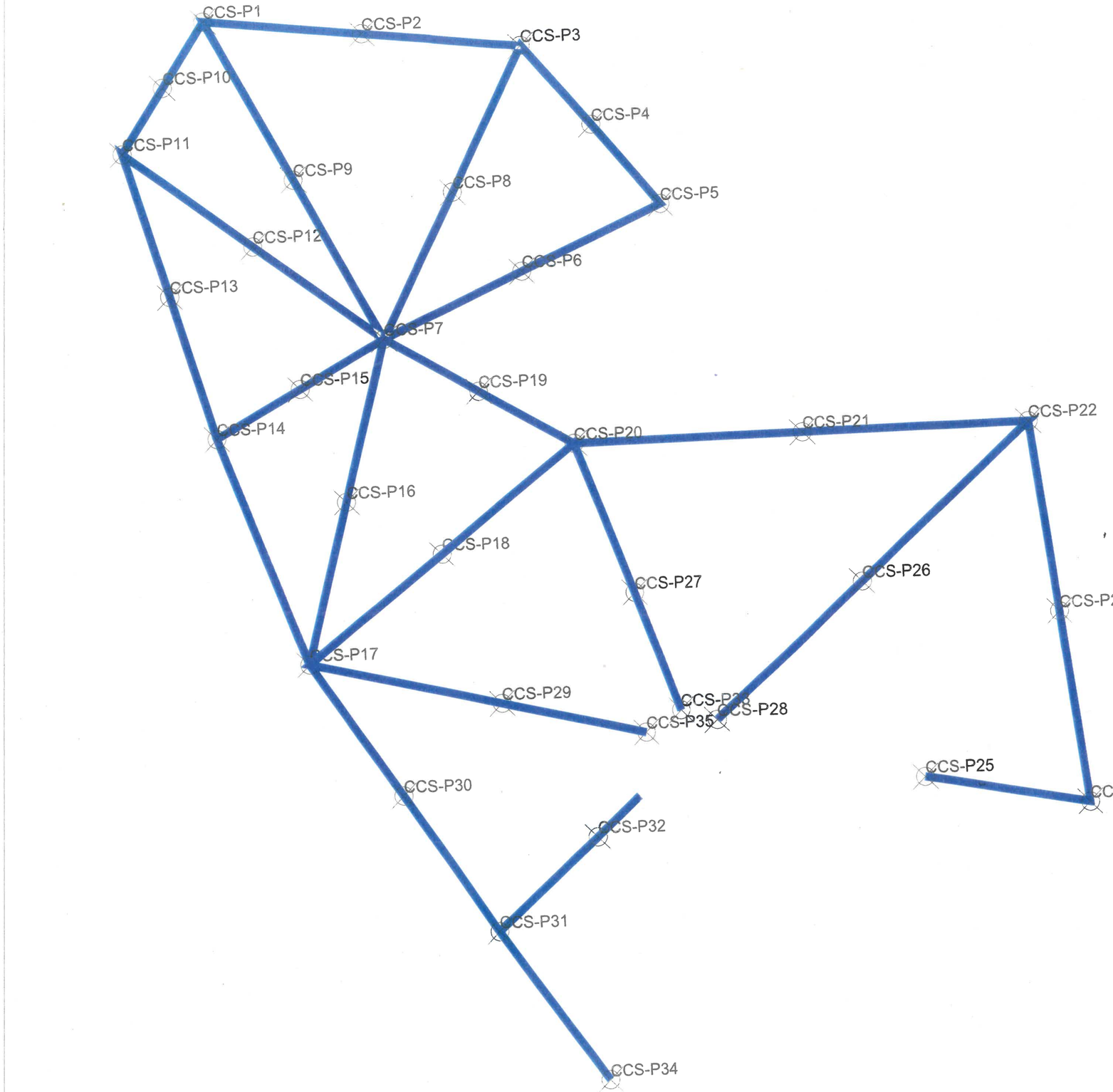
(Deepak)
Executive Engineer
CVPD – 7, CPWD
O/C New Delhi

Copy to:

1. SDG (PRND), CPWD, Nirman Bhawan, New Delhi
2. CE(C), CVPZ, CPWD, Nirman Bhawan, New Delhi
3. SE(C), CVPC-II, CPWD, Nirman Bhawan, New Delhi
4. DCF(West), Mandir Lane, Mandir Marg, New Delhi.

Executive Engineer
O/C

Annexure -I



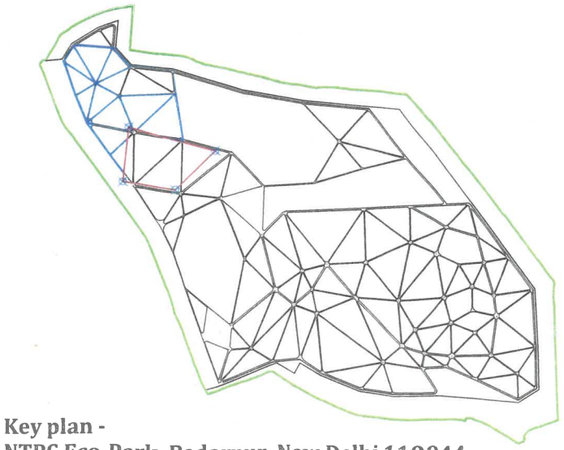
Notes for Tree Relocation/ Transplantation Strategy: -

Refer LARGE TREE TRANSPLANTING GUIDELINES – Sheet No. CPWD-CS-GD-PL-101A and Document No. CPWD-CS-GD-PL-101B (as submitted for reference)

In addition to the large tree transplanting guidelines, please follow the below measures –

1. Earth filling of 2m to 3m will be done in the area where tree transplanting to be done.
2. Distance from the edge of the road line to tree transplantation line should be 2 Mtr or more.
3. As far as possible same species should be considered to transplant in the linear and parallel arrangements along the road.
4. Tree transplantation should be considered for both sides of the road. Additionally, for CCS-P20 to CCS-P22, CCS-P1 to CCS-P11, CCS-P11 to CCS-P14, CCS-P14 to CCS-P17, CCS-P17 to CCS-P31, CCS-P31 to CCS-P34 transplantation should be considered for internal side.
5. The given coordinates are of the centre line of the road. Length of road is 3.90 KMs approx and is for 1550 trees only.

Geo Co-ordinates for transplantation of CCS123		
Value	**Latitude**	**Longitude**
CCS-P1	28° 31' 42.862"	77° 18' 28.566"
CCS-P2	28° 31' 42.442"	77° 18' 32.288"
CCS-P3	28° 31' 42.022"	77° 18' 36.009"
CCS-P4	28° 31' 40.313"	77° 18' 37.557"
CCS-P5	28° 31' 38.604"	77° 18' 39.104"
CCS-P6	28° 31' 37.357"	77° 18' 35.761"
CCS-P7	28° 31' 36.108"	77° 18' 32.415"
CCS-P8	28° 31' 39.066"	77° 18' 34.214"
CCS-P9	28° 31' 39.486"	77° 18' 30.492"
CCS-P10	28° 31' 41.530"	77° 18' 27.535"
CCS-P11	28° 31' 40.198"	77° 18' 26.503"
CCS-P12	28° 31' 38.154"	77° 18' 29.461"
CCS-P13	28° 31' 37.210"	77° 18' 27.435"
CCS-P14	28° 31' 34.222"	77° 18' 28.366"
CCS-P15	28° 31' 35.166"	77° 18' 30.392"
CCS-P16	28° 31' 32.773"	77° 18' 31.337"
CCS-P17	28° 31' 29.432"	77° 18' 30.258"
CCS-P18	28° 31' 31.590"	77° 18' 33.510"
CCS-P19	28° 31' 34.930"	77° 18' 34.589"
CCS-P20	28° 31' 33.747"	77° 18' 36.761"
CCS-P21	28° 31' 33.746"	77° 18' 42.148"
CCS-P22	28° 31' 33.746"	77° 18' 47.536"
CCS-P23	28° 31' 29.771"	77° 18' 48.039"
CCS-P24	28° 31' 25.796"	77° 18' 48.542"
CCS-P25	28° 31' 26.475"	77° 18' 44.661"
CCS-P26	28° 31' 30.583"	77° 18' 43.394"
CCS-P27	28° 31' 30.584"	77° 18' 38.007"
CCS-P28	28° 31' 27.863"	77° 18' 39.828"
CCS-P29	28° 31' 28.427"	77° 18' 34.755"
CCS-P30	28° 31' 26.620"	77° 18' 32.302"
CCS-P31	28° 31' 23.722"	77° 18' 34.412"
CCS-P32	28° 31' 25.571"	77° 18' 36.832"
CCS-P33	28° 31' 28.102"	77° 18' 38.984"
CCS-P34	28° 31' 20.548"	77° 18' 36.829"
CCS-P35	28° 31' 27.677"	77° 18' 38.112"



Key plan -
NTPC Eco-Park, Badarpur, New Delhi 110044

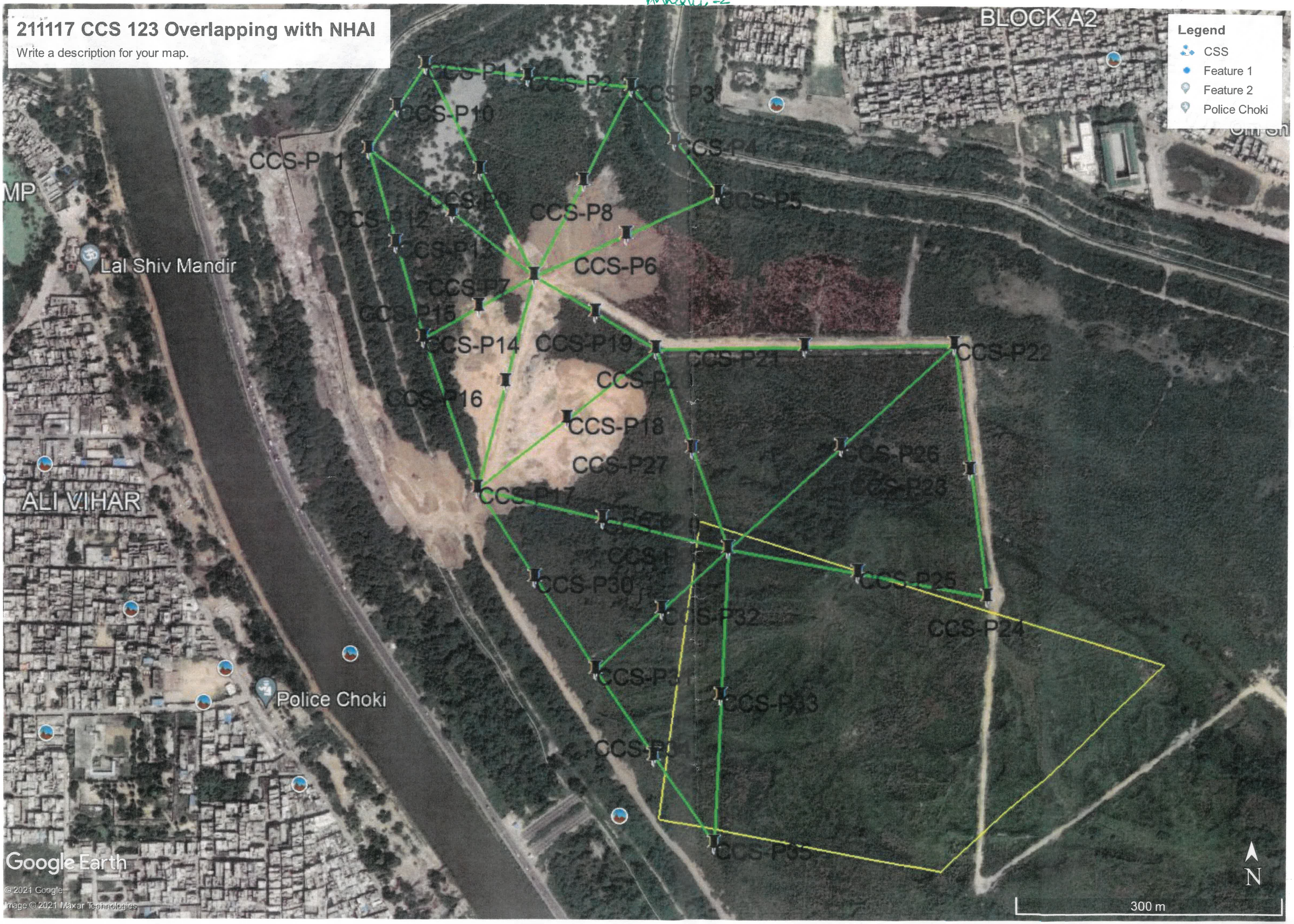
CCS 123 - Boundary lineout for Allocated site for Tree Transplantation

As on date : 17.11.2021

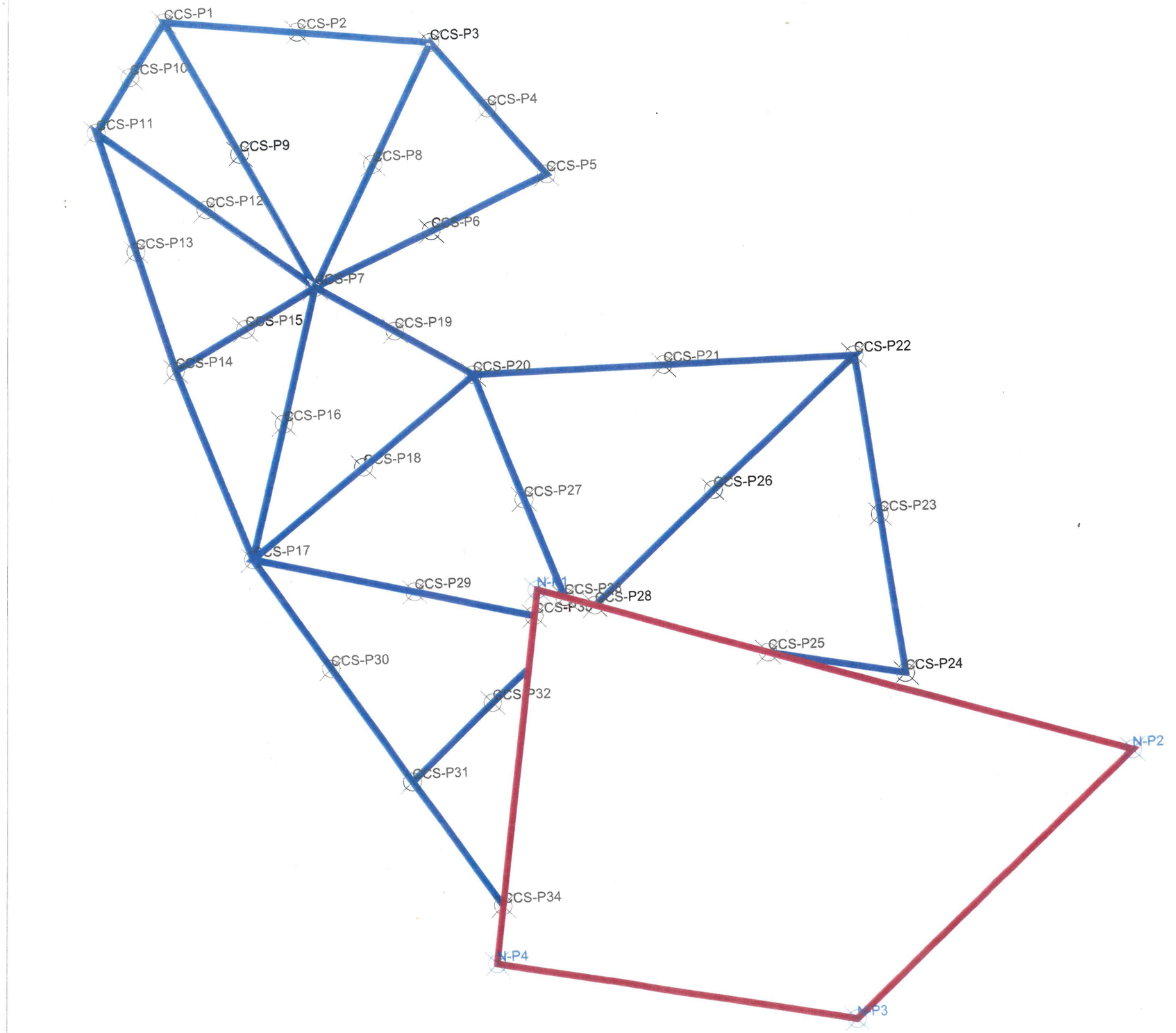
Annexure-2

211117 CCS 123 Overlapping with NHAI

Write a description for your map.



Annexure - 2



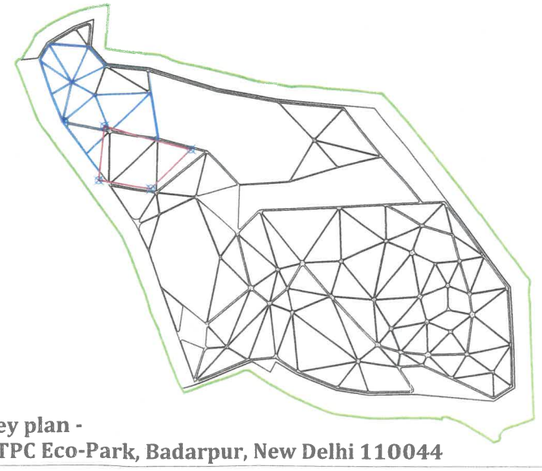
Notes for Tree Relocation/ Transplantation Strategy: -

Refer LARGE TREE TRANSPLANTING GUIDELINES – Sheet No. CPWD-CS-GD-PL-101A and Document No. CPWD-CS-GD-PL-101B (as submitted for reference)

In addition to the large tree transplanting guidelines, please follow the below measures –

1. Earth filling of 2m to 3m will be done in the area where tree transplanting to be done.
2. Distance from the edge of the road line to tree transplantation line should be 2 Mtr or more.
3. As far as possible same species should be considered to transplant in the linear and parallel arrangements along the road.
4. Tree transplantation should be considered for both sides of the road. Additionally, for CCS-P20 to CCS-P22, CCS-P1 to CCS-P11, CCS-P11 to CCS-P14, CCS-P14 to CCS-P17, CCS-P17 to CCS-P31, CCS-P31 to CCS-P34 transplantation should be considered for internal side.
5. The given coordinates are of the centre line of the road. Length of road is 3.90 KMs approx and is for 1550 trees only.

Geo Co-ordinates for transplantation of CCS123		
Value	Latitude	Longitude
CCS-P1	28° 31' 42.862"	77° 18' 28.566"
CCS-P2	28° 31' 42.442"	77° 18' 32.288"
CCS-P3	28° 31' 42.022"	77° 18' 36.009"
CCS-P4	28° 31' 40.313"	77° 18' 37.557"
CCS-P5	28° 31' 38.604"	77° 18' 39.104"
CCS-P6	28° 31' 37.357"	77° 18' 35.761"
CCS-P7	28° 31' 36.108"	77° 18' 32.415"
CCS-P8	28° 31' 39.066"	77° 18' 34.214"
CCS-P9	28° 31' 39.486"	77° 18' 30.492"
CCS-P10	28° 31' 41.530"	77° 18' 27.535"
CCS-P11	28° 31' 40.198"	77° 18' 26.503"
CCS-P12	28° 31' 38.154"	77° 18' 29.461"
CCS-P13	28° 31' 37.210"	77° 18' 27.435"
CCS-P14	28° 31' 34.222"	77° 18' 28.366"
CCS-P15	28° 31' 35.166"	77° 18' 30.392"
CCS-P16	28° 31' 32.773"	77° 18' 31.337"
CCS-P17	28° 31' 29.432"	77° 18' 30.258"
CCS-P18	28° 31' 31.590"	77° 18' 33.510"
CCS-P19	28° 31' 34.930"	77° 18' 34.589"
CCS-P20	28° 31' 33.747"	77° 18' 36.761"
CCS-P21	28° 31' 33.746"	77° 18' 42.148"
CCS-P22	28° 31' 33.746"	77° 18' 47.536"
CCS-P23	28° 31' 29.771"	77° 18' 48.039"
CCS-P24	28° 31' 25.796"	77° 18' 48.542"
CCS-P25	28° 31' 26.475"	77° 18' 44.661"
CCS-P26	28° 31' 30.583"	77° 18' 43.394"
CCS-P27	28° 31' 30.584"	77° 18' 38.007"
CCS-P28	28° 31' 27.863"	77° 18' 39.828"
CCS-P29	28° 31' 28.427"	77° 18' 34.755"
CCS-P30	28° 31' 26.620"	77° 18' 32.302"
CCS-P31	28° 31' 23.722"	77° 18' 34.412"
CCS-P32	28° 31' 25.571"	77° 18' 36.832"
CCS-P33	28° 31' 28.102"	77° 18' 38.984"
CCS-P34	28° 31' 20.548"	77° 18' 36.829"
CCS-P35	28° 31' 27.677"	77° 18' 38.112"
N-P1	28° 31' 28.343"	77° 18' 38.229"
N-P2	28° 31' 23.628"	77° 18' 54.865"
N-P3	28° 31' 17.331"	77° 18' 46.642"
N-P4	28° 31' 19.140"	77° 18' 36.571"



Key plan -
NTPC Eco-Park, Badarpur, New Delhi 110044

CCS 123 - Boundary lineout for Allocated site for Tree Transplantation

As on date : 17.11.2021

Annexure - I

211117 CCS 123

Write a description for your map.

Legend

- CSS
- Feature 1
- Feature 2
- Police Choki

BLOCK A2

CCS-P1
CCS-P2
CCS-P3
CCS-P10
CCS-P4
CCS-P11
CCS-P9
CCS-P8
CCS-P5
CCS-P12
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CCS-P30
CCS-P24
CCS-P32
CCS-P31
CCS-P34

MP

Lal Shiv Mandir

ALI VIHAR

Police Choki

Google Earth

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N

200 m

Annexure-3

OFFICE OF THE SUB DIVISIONAL MAGISTRATE (CHANAKYAPURI)
NEW DELHI DISTRICT, REVENUE DEPARTMENT
GOVERNMENT OF NCT OF DELHI
12/1, JAM NAGAR HOUSE, SHAHJAHAN ROAD, NEW DELHI-110011.

No. PA/SDM/CH.PURI//2021/ 4249-51 Dated:- 11-08-2021

The Supdtt. Engg.
Central Vista Project Circle-II
CPWD
Room No.6, E-Wing, Nirman Bhawan, New Delhi

Sub: Regarding request for issuance of FRA Certificate in r/o diversion of Forest Land for non-forest purpose-Construction of Common Central Secretariat-1,2,3 at Plot No.137, Rajender Prasad Road, New Delhi (Existing IGNCA Campus).

Sir,

Please refer to your letter No. 23(CCS)/SE/CVPC-II/2021-22/39 dated: 09.08.2021 on the cited subject above.

In this regard, it is informed here that as per Constitution (Scheduled Tribes) Order, 1950, there does not exist any notified tribe in Delhi.

This issues with the approval of District Magistrate, New Delhi.

11/8/2021

(GEETA GROVER)
SDM (CHANAKYAPURI),
NEW DELHI DISTRICT

Copy for information to:

1. The DCF (West Forest Division), Mandir Lane, New Delhi
2. PA to DM, New Delhi District, 12/1, Jam Nagar House, New Delhi