

4007-A

CENTRAL EMPOWERED COMMITTEE

(CONSTITUED BY THE HON'BLE SUPREME COURT OF INDIA
IN WRIT PETITION NO. 202/95 AND 171/96)

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F.No. 1-19/CEC/SC/2020 -Pt. (59)

Dated 9th September 2021

To

The Registrar
Supreme Court of India
New Delhi – 110001
(Atten: PIL Section)

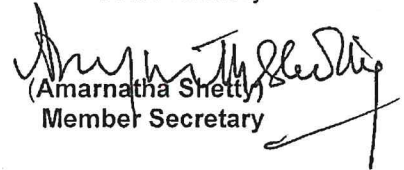
Sub: CEC REPORT NO. 10 OF 2021 – REPORT OF THE CEC IN IA NO. 169030 OF 2019 IN WRIT PETITION (C) NO. 202 OF 1995 FILED BY THE DELHI METRO RAIL CORPORATION LIMITED SEEKING PERMISSION OF THE HON'BLE SUPREME COURT FOR CONSTRUCTION OF METRO ALIGNMENT, TUNNELS AND METRO STATIONS LOCATED ON SOUTHERN RIDGE, SOUTH CENTRAL RIDGE AND MORPHOLOGICAL RIDGE FALLING ALONG THE 23.62 KM LONG METRO CORRIDOR BETWEEN AEROCITY AND TUGHLAKABAD STATION IN DELHI.

Ref: CEC's letter of No. 1-19/CEC/SC/2019-Pt. (59) dated 11th August 2021

Sir,

A corrigendum in respect of the CEC Report No. 10 of 2021 on the above subject submitted vide letter in the reference above is enclosed (four copies). It is requested that the corrigendum may please be placed before the Hon'ble Court.

Yours faithfully


(Amarnatha Shetty)
Member Secretary

Copy to:

1. Mr. Harish N. Salve, Sr. Advocate & Amicus Curiae.
2. Sh. A.D.N. Rao, Advocate & Amicus Curiae
3. Sh. Siddhartha Choudhary, Advocate & Amicus Curiae
4. The Secretary, Ministry of Environment, Forest and Climate Change, New Delhi

5. The Secretary, Ministry of Housing & Urban Affairs, New Delhi
6. The Chief Secretary, Government of NCT of Delhi and Chairman, Delhi Ridge Management Board, Delhi Secretariat, New Delhi
7. Vice Chairman, DDA, Delhi
8. The Principal Chief Conservator of Forests, Department of Forest & Wildlife, Govt. of NCT of Delhi
9. Managing Director, Delhi Metro Rail Corporation Ltd., New Delhi
10. Standing Counsel for the MoEF&CC
11. Standing Counsel for the Delhi
12. Applicant / Respondents in I.A. Nos. 169029/2019 and I.A. No. 169030 of 2019 and I.A. No.91869 of 2020 in W.P. (C) No. 202/1995
13. Sh. Ritwick Dutta, Advocate, Counsel for the Petitioner in W.P. (C) No. 1774/ 2021 in Hon'ble High Court of Delhi

CENTRAL EMPOWERED COMMITTEE

REPORT OF THE CEC IN IA NO. 169030 OF 2019 IN WRIT PETITION (C) NO. 202 OF 1995 FILED BY THE DELHI METRO RAIL CORPORATION LIMITED SEEKING PERMISSION OF THE HON'BLE SUPREME COURT FOR CONSTRUCTION OF METRO ALIGNMENT, TUNNELS AND METRO STATIONS LOCATED ON SOUTHERN RIDGE, SOUTH CENTRAL RIDGE AND MORPHOLOGICAL RIDGE FALLING ALONG THE 23.62 KM LONG METRO CORRIDOR BETWEEN AEROCITY AND TUGHLAKABAD STATION DELHI.

CORRIDGENDUM

In para 21 (b) in page no. 30 of the CEC Report No. 10 of 2021 in IA No. 169030 of 2019 in Writ Petition (C) No. 202 of 1995 filed by the Delhi Metro Rail Corporation Ltd - statutory forest clearance for diversion is given as of 12.98 ha. forest land. This may please be read as 7.42 Ha. of forest land.


(Amarnatha Shetty)
Member Secretary

Dated 09.09.2021

CENTRAL EMPOWERED COMMITTEE

REPORT No. 10 of 2021

IN

I.A No. 169030

IN

W.P. (C) No. 202 of 1995

**Filed by:-
Delhi Metro Rail Corporation Ltd.
(DMRC)**

Dated: 11th August 2021

INDEX

S.NO.	PARTICULARS	PAGE NO.
1.	Report of the CEC	1-32
2.	<u>ANNEXURE- R-1(Colly.)</u> Maps showing the alignment of the three Metro Corridors approved for construction in Phase-IV	33-38
3.	<u>ANNEXURE- R-2 (Colly.)</u> A Copy of the species wise list giving details of 6961 trees in different girth classes standing along the 23.62 km long metro corridor, located in Ridge / Forest Area including Morphological Ridge, Deemed Forest Area and Non – Forest land	39-40
4.	<u>ANNEXURE- R-3</u> A copy of the letter of DDA dated 19.01.2021	41
5.	<u>ANNEXURE- R-4 (Colly.)</u> A copy each of the letters of DDA dated 24.07.2020 and 04.02.2021 along with the Annexures	42-47
6.	<u>ANNEXURE- R-5</u> A copy of consent received from the Ministry of Defence vide letter dated 19.02.2021	48
7	<u>ANNEXURE- R-6</u> A copy of the consent received from Adhya Katyayani Shaktipeeth (Mandir) Trust i.e. Chhatarpur Mandir Trust	49

CENTRAL EMPOWERED COMMITTEE

REPORT OF THE CEC IN IA NO. 169030 OF 2019 IN WRIT PETITION (C) NO. 202 OF 1995 FILED BY THE DELHI METRO RAIL CORPORATION LIMITED SEEKING PERMISSION OF THE HON'BLE SUPREME COURT FOR CONSTRUCTION OF METRO ALIGNMENT, TUNNELS AND METRO STATIONS LOCATED ON SOUTHERN RIDGE, SOUTH CENTRAL RIDGE AND MORPHOLOGICAL RIDGE FALLING ALONG THE 23.62 KM LONG METRO CORRIDOR BETWEEN AEROCITY AND TUGHLAKABAD STATION IN DELHI.

The Applicant, Delhi Metro Rail Corporation Limited (herein after referred to as DMRC), has filed the I.A before this Hon'ble Court with the following prayer :

- a. *"Refer the matter to the Central Empowered Committee appointed by this Hon'ble Court for detail consideration and examination of the proposal of the Applicant for construction metro alignment, tunnels and metro station forming part of 22.34 km Aerocity – Tughlakabad Metro Corridor being proposed for construction for Phase IV of the MRTS Project on Southern / South Central / Morphological Ridge as enclosed in Annexure P-1.*
- b. *Allow the Applicant for carrying out the aforesaid Alignment / Tunnelling / station / shaft*

construction activity, in the Southern / South Central / Morphological Ridge for construction of the tunnels and metro corridor forming part of 22.34 km Aerocity – Tughlakabad Metro Corridor being proposed for construction for Phase IV of the MRTS Project, under the supervision of the Ridge Management Board; and

c. Pass such further orders as this Hon'ble Court may deem fit and proper in the facts and the circumstances of the case."

2. This Report is being filed pursuant to the order dated 02.02.2021 of this Hon'ble Court and after the meetings held on 11.02.2021 and 24.02.2021 with the representatives of Applicant DMRC and Forest Department of Delhi Government and after site visit on 05.03.2021 by Mr. P. V. Jayakrishnan, Chairman CEC, Mr. Amarnatha Shetty, Member Secretary CEC, Mr. Mahendra Vyas, Member CEC and Mr. A.D.N. Rao, Amicus Curiae and after considering the recommendation of the Ridge Management Board and after going through all the relevant documents submitted by the Applicant DMRC and the Forest Department, Delhi Government.

PHASE IV OF MASS RAPID TRANSPORT SYSTEM (MRTS)

3. The Applicant Delhi Metro Rail Corporation (DMRC) located in New Delhi was registered in the year 1995 under the Companies Act, 1956 with equal equity participation from the Central Government and the Delhi Government. DMRC is engaged in the time bound activity of providing Mass Rapid Transport System (MRTS) facility in the National Capital Territory of Delhi and in the National Capital Region (NCR). So far construction of network in three phases has been completed and 389 km operationalized including 29.7 km network of Noida Metro Rail Corporation and 11.7 km of Rapid Metro Gurugram.

4. The Phase – IV MRTS Project consists of six metro rail corridors out of which the following 3 metro corridors 65 kms in length have been approved for construction on priority by the Union Ministry of Housing and Urban Affairs:

- i. The 23.62 km Metro Corridor from Aerocity to Tughlakabad Station (Cost Rs. 9800 crores). The length of this corridor has increased from 22.34 kms to 23.62 kms because of integration of the proposed line in existing Sarita Vihar Depot;

- ii. the 28.920 kms Metro Corridor from Janakpuri West to R.K. Ashram Marg (Cost Rs. 11,650 crores); and
- iii. the 12.558 kms Metro Corridor from Mukundpur (Majlis Park) to Maujpur (Cost Rs. 3490 crores).

The three metro corridors are scheduled to be commissioned by the year 2024. Maps showing the alignment of the three metro corridors are enclosed as **ANNEXURE R-1 (Colly)** to this Report.

5. This Report deals with the construction of metro alignment, tunnels and stations in Southern Ridge, South Central Ridge and Morphological Ridge falling along the 23.62 km long Metro Corridor from Aerocity to Tughlakabad forming part of Phase IV Project.

AEROCITY – TUGHLAKABAD METRO CORRIDOR

6. The Aerocity – Tughlakabad Metro corridor originates from Aerocity adjacent to existing Aerocity Metro Station of Airport Express Line. The 23.62 kms long corridor has 15 stations of which 11 will be underground and 4 will be elevated. A stretch of 19.34 kms (73%) of the metro corridor will be underground and the remaining 4.28 kms will be

elevated. The names of the stations, location of interchange, details of distance between each station and whether elevated or underground are as under:

SNo.	Name of Station and whether interchange	Type of Station	Distance
1.	Delhi Aerocity (Interchange)	Underground	
2.	Mahipalpur	Underground	1.36 km from Aerocity
3.	Vasant Kunj	Underground	1.56 km from Mahipalpur
4.	Kishangarh	Underground	1.54 km from Vasant Kunj
5.	Chhatarpur (Interchange)	Underground	1.58 km from Kishangarh
6.	Chhatarpur Mandir	Underground	0.86 km from Chhatarpur
7.	IGNOU	Underground	1.46 km from Chhatarpur Mandir
8.	Neb Sarai	Underground	0.85 km from IGNOU
9.	Saket G-Block (Interchange)	Elevated	1.45 km from Neb Sarai
10.	Ambedkar Nagar	Elevated	0.72 km from Saket G Block
11.	Khanpur	Elevated	0.92 km from Ambedkar Nagar
12.	Sangam Vihar	Elevated	0.92 km from Khanpur
13.	Maa Anandmayi Marg	Underground	3.6 km from Sangam Vihar
14.	Tughlakabad Railway Station	Underground	0.8 km from Maa Anandmayi Marg
15.	Tughlakabad (Interchange)	Underground	0.91 km from Tughlakabad Railway Station

RIDGE AREA / MORPHOLOGICAL RIDGE AREA FALLING ALONG AEROCITY – TUGHLAKABAD CORRIDOR AND EXTENT OF TUNNELS

7. The Aerocity – Tughlakabad metro corridor passes through the Ridge Area and Morphological Ridge at 5 locations namely Mahipalpur, Kishangarh, Near Chhatarpur Mandir, IGNOU and Maa Anandmayee Marg T- Junction. The details are spelt out below.

RIDGE AT MAHIPALPUR STATION AND TUNNEL ON BOTH SIDES

i) At Mahipalpur, metro alignment is along Mahipalpur - Mehrauli Road. Since the notified Southern Ridge and the Morphological Ridge is spread over a large extent on both sides of the proposed alignment it is not possible to align the corridor outside the Ridge area. The alignment crosses through the notified Southern Ridge for a length of 166 m and the Morphological Ridge for a distance of 810 m. The tunnel area in the notified Southern Ridge is 1345 sqm and in the Morphological Ridge is 5876 sqm. However, for the construction of underground Mahipalpur Station an extent of 3870 sqm of land will be required on a permanent basis and 14770 sqm of land on a temporary

basis. The 14770 sqm of land shall be restored back by the Applicant on completion of construction works.

RIDGE AT KISHANGARH STATION AND TUNNEL ON BOTH SIDES OF STATION

ii) At Kishangarh alignment of the metro is along Mahipalpur - Mehrauli Road. The alignment passes through 1182 m of the notified South – Central Ridge and 252 m of the Morphological Ridge. Kishangarh Station is proposed underground at T – Junction of Aruna Asaf Ali Marg as there is no possibility of aligning the station and crossover outside the Ridge area because of built up area on both sides. The tunnelling area in the South Central Ridge is 7415 sqm and in the Morphological Ridge is 2773 sqm. However, for construction of underground Kishangarh Station and crossover portion an extent of 6319 sqm of land is required on a permanent basis and another 25232 sqm is required on a temporary basis. The 25232 sqm shall be restored back by the Applicant on completion of construction works.

TUNNEL PORTION NEAR CHATTARPUR MANDIR

iii) Tunnel portion near Chhatarpur Mandir on the metro alignment passes through 74 m of the notified Southern Ridge. The tunnel portion near Chhatarpur Mandir is 703 sqm.

RIDGE AT IGNOU STATION AND TUNNEL ON BOTH SIDES OF STATION

iv) To connect Mahipalpur - Mehrauli Road and the Mehrauli – Badarpur Road, the proposed alignment passes through 710 m of notified Southern Ridge and 94 m of Morphological Ridge at IGNOU. Since the Ridge is spread over a large extent across the IGNOU area it is not possible to align the corridor outside the ridge area. The tunnel area in the notified Southern Ridge is 4748 sqm and 1185 sqm in the Morphological Ridge. However, for construction of underground IGNOU Station an extent of 2835 sqm land is required on permanent basis and another 15667 sqm is required on temporary basis. The 15667 sqm of land shall be restored back by the Applicant on completion of construction works.

RIDGE AT MAA ANANDMAYEE MARG STATION AND TUNNEL ON BOTH SIDES OF STATION

v) The metro alignment crosses through the ridge area of the notified Southern Ridge for a length of 789 m and of Morphological Ridge for a distance of 1217 m. Maa Anandmayee Marg Station has been proposed underground on Mehrauli – Badarpur Road at T – Junction of Maa Anandmayee Marg. From Air Force Station to Maa Anandmayee Marg T – Junction the alignment is on the right side of Mehrauli – Badarpur Road and passes through the notified Southern Ridge and the Morphological Ridge. Since the spread of the ridge is on both sides of this alignment it is not possible to align the corridor outside the ridge area. The tunnelling work in the notified Southern Ridge is 9942 sqm and 11,109 sqm in the Morphological Ridge. However, for the construction of underground Maa Anandmayee Marg Station an area admeasuring 1100 sqm land is required on permanent basis and another 9935 sqm of land is required on temporary basis. The 9935 sqm of land shall be restored back by the Applicant on completion of construction works.

vi) Some areas of proposed PWD Elevated Road near Maa Anandmayee Marg Metro station are also falling in the Morphological Ridge. As the foundation for this elevated road shall be constructed by DMRC, therefore a temporary area of 4189 sqm and permanent area of 741 sqm required for the foundation work has been added in the Morphological Ridge area.

vii) Earlier a mid-tunnel ventilation shaft was planned to be constructed between tunnel from Sangam Vihar to Maa Anandmayee marg for which a temporary area of 2000 sqm and permanent area of 200 sqm was required in Southern Ridge. The scheme has since been revised. As per revised scheme, ventilation system has been accommodated at the start of tunnel by providing booster fans in Cut and Cover portion towards Sangam Vihar resulting in deletion of Mid-Shaft in this section. Accordingly, the land requirements for Mid-shaft has been deleted from the original proposal.

THE STATIONWISE DETAILS OF RIDGE / MORPHOLOGICAL RIDGE AREA FALLING IN AEROCITY TO TUGHLAKABD METRO CORRIDOR ARE AS UNDER:

8.

S. No.	Location	Purpose	Classification of Ridge	Ridge Length (m)	Tunnel Area (sqm)	Permanent Area (sqm)	Temporary Area (sqm)	Total Land Area (sqm)
1.	Mahipalpur tunnel on both sides	Station / Tunnel	Notified Southern Ridge	166	1345			
			Morphological Ridge	810	5876	3870	14770	18640
2.	Kishangarh Station tunnel on both sides	Station / Tunnel	Notified South Central Ridge	1182	7415	6319	25232	31551
			Morphological Ridge	252	2773			
3.	Tunnel portion near Chattarpur Mandir	Station / Tunnel	Notified Southern Ridge	74	703			
4.	IGNOU Station tunnel on both sides	Station / Tunnel	Notified Southern Ridge	710	4748	2835	15667	18502
			Morphological Ridge	94	1185			
5.	Maa Anandmayee marg Station and tunnel on both sides	Station / Tunnel	Notified Southern Ridge	789	9942			
			Morphological Ridge	1217	11109	1100	9935	11035
		Piers	Morphological Ridge			741	4189	4930
		Total		5294	45096	14865	69793	84658

In the tunnel portion no surface breaking is required as tunnelling will be done with the help of the tunnel boring machines and the tunnels will be 20 m below the ground. There will be minimal impact on the Ridge area including Morphological Ridge.

9. The details of the total length of the tunnel falling in Ridge / Morphological Ridge, the total area required for tunnel and the total permanent and temporary area of land required for the stations are as under:-

S. No.	Type of Ridge	Length of tunnel falling in Ridge (m)	Area required for tunnel (sqm)	Permanent land required for station (sqm)	Temporary land required for station (sqm)	Total area required (Tunnel & Station) (sqm)	No. of Trees
1.	Southern Ridge	1739	16738	2835	15667	35240	466
2.	South Central Ridge	1182	7415	6319	25232	38966	455
3.	Morphological Ridge	2373	20943	5711	28894	55548	151
	Total	5294	45096	14865	69793	129754	1072

It will be seen from the table above that the proposed alignment of Aerocity – Tughlakabad metro corridor, including for tunnels and stations, involves the use of 12.98Ha (129754 sqm) of notified forest area out of which 4.51 ha (45096 sqm) land area is required for tunnels. The remaining 8.46 ha area (12.97 Ha minus 4.51 Ha) is required for construction of metro stations. According to DMRC the extent of Ridge land including Morphological Ridge land that are proposed to be used are the minimum possible required for construction and it is not possible to align the corridor outside the Ridge area. Most of the temporary areas is required for the cut and cover construction of station, cross overs and entry / exits, auxiliary buildings and the like which are not avoidable. The temporary

areas will be backfilled and restored back after construction is over.

TREES TO BE FELLED AND TREES TO BE TRANSPLANTED AND COMPENSATORY PLANTATION INVOLVED

10. a) Presently DMRC submits the list of trees to be felled and trees to be transplanted to the Forest Department of Delhi Government. Thereafter, the Forest Department makes a site visit and during Joint Survey if any discrepancies are found the list is revised by DMRC and the revised list is submitted to the Forest Department.
- b) A total of 1072 trees are located in the Stations and Ridge area including Morphological Ridge as detailed below:

S. No.	Name of Station	Trees to be felled on land required permanently	Trees to be felled on land required temporarily	Total
1.	Mahipalpur	32	100	132
2.	Kishangarh	100	355	455
3.	IGNOU	104	230	334
4.	Maa Anandmayee Marg	11	140	151
	Total	247	825	1072

c) The location of the 1072 trees in the Ridge and Morphological Ridge is as below:

S. No.	Type of Ridge	Number of Trees
1.	Southern Ridge	466
2.	South Central Ridge	455
3.	Morphological Ridge	151
	Total	1072

TREES IN DEEMED FOREST AND IN NON – FOREST LAND

11. The total number of trees to be felled / transplanted in the 23.62 km long metro corridor is 6961 out of which a total of 1072 trees extending over 5.29 kms are in notified forests / Ridge and Morphological Ridge. Of the remaining 5889 trees (6961 trees minus 1072 trees) as many as 2536 number of trees identified are deemed forest located in 3.79 ha extending over a length of 0.97 kms in Chhatarpur and City Forest Hauzrani. The remaining 3353 number of trees identified are located in 27.06 ha non – forest land extending over a length of 17.35 kms.

The species wise list giving details of 6961 trees in different girth classes standing along the 23.62 km long metro corridor, located in Ridge / Forest Area including

Morphological Ridge, Deemed Forest Area and Non – Forest land is enclosed as **ANNEXURE R-2 (Colly.)** to this Report.

TREES TO BE TRANSPLANTED

12. A total of 2195 number of trees out of 6961 trees are proposed to be transplanted while the remaining 4766 trees are proposed to be felled.

COMPENSATORY AFFORESTATION OF SAPLINGS

13. DDA vide letter dated 19.01.2021 has provided the land for compensatory plantation of saplings under the Forest (Conservation) Act, 1980. As per this letter DDA has approved allocation of land measuring (15+10) 25 Ha at Dhusiras Village, Dwarka. A copy of the letter of DDA dated 19.01.2021 is enclosed as **ANNEXURE R-3** to this Report.

14. The felling of planted trees outside the forest are regulated under the provision of the Delhi Prevention of Trees Act, 1994 (DPT Act, 1994). The definition of a 'tree' under DPT Act, 1994 is as follows:

“tree means any woody plant whose branches spring from and are supported upon a trunk or body is not less than five centimetre at a height of thirty centimetres

from the ground level and is not less than one meter in height from the ground level.”

Thus all plants of and above one meter in height are treated as trees under this Act.

The DPT Act, 1994 also prescribes planting of a minimum of 10 times the number of trees for every tree felled. The Applicant is therefore required to obtain the requisite permission under the DPT Act, 1994. Compensatory planting in lieu of felling of 3353 number of trees located outside the forest will involve planting of about 34000 number of saplings.

15. The DMRC vide letter dated 27.07.2021 addressed to CEC has stated that the land for Compensatory Plantation has been provided by DDA vide letters dated 24.07.2020 and 04.02.2021. As per letter dated 24.07.2020 DDA has allocated locations within its greens to the DMRC for Compensatory Plantation. A copy each of the letters dated 24.07.2020 and 04.02.2021 along with the annexures are enclosed as **ANNEXURE R-4 (Colly)** to this Report.

16. DMRC has stated that transplantation of trees shall be done in the areas adjacent to the construction site and will be in scattered locations depending on the availability of space as per the area required for each trees. This will involve

multiple land owning agencies. Necessary co-ordination by the Forest Department shall be done with these agencies for transplantation. For example, consent received from the Ministry of Defence vide letter dated 19.02.2021 is enclosed as **ANNEXURE R-5** to this Report and the consent received from Adhya Katyayini Shaktipeeth (Mandir) Trust i.e. Chhatarpur Mandir Trust is enclosed as **ANNEXURE R-6** to this Report.

JUSTIFICATION FOR AEROCITY – TUGHLAKABAD CORRIDOR PROJECT

17. i) According to DMRC the proposed metro Corridor is to serve the densely populated areas of Mahipalpur, Vasant Kunj, Chhatarpur, IGNOU, Maidangarhi, Neb Sarai, Saket, Khanpur, Sangam Vihar and Tughlakabad. The alignment is based on the proximity to the populated areas to be served and which areas are mostly along the Mahipalpur – Mehrauli Road and Mehrauli – Badarpur Road. There have been and there still are many constraints while finalizing the alignment such as minimum distance from the Protected Monuments avoiding built up areas and at the same time also minimizing the Ridge area as there are large extent of Ridge areas along the corridor. The present alignment is the best fit alignment meeting the above

constraints and also simultaneously meets the technical requirements of metro alignments / stations and proximity to the target population to be served. There is a vast extent of Ridge on either side of the alignment because of which it has not been possible to shift the alignment out of Ridge area but efforts have been made to minimize the Ridge area involved. The daily ridership has been estimated at 1.66 lakhs trips per day by 2024.

ii) The proposed Aerocity – Tughlakabad corridor is to be integrated with Airport Express Line which provides metro connectivity of South Delhi to Indira Gandhi International Airport. It is also to be integrated with Samaypur Badli to HUDA City Centre Line (Yellow Line) at existing Chhatarpur Metro Station which integrates the metro connectivity of South Delhi to Gurgaon and Faridabad.

iii) This corridor provides connectivity to Chhatarpur Mandir, IGNOU University, Karni Singh Shooting Range and ASI Monuments including Tughlakabad Fort, Adilabad Fort and Ghyasuddin Tughlakabad Tomb.

iv) The vehicular traffic of IGI Airport from Delhi will get drastically reduced with consequent reduction in traffic on NH-8, Mahipalpur – Mehrauli Road, Mehrauli –

Badarpur Road apart from the Metro Project providing the connectivity to Line – 6 at Tughlakabad for commuters of Faridabad.

v) The reduction in vehicular traffic will also bring down the number of road accidents and pollution levels.

vi) Public interest is involved in the completion of Aerocity to Tughlakabad corridor as this corridor is the most feasible route economically, environmentally and technically for the purpose of the daily ridership and also will be covering a sizeable population.

RIDGE MANAGEMENT BOARD

18. The Ridge Management Board (RMB) in its meeting held on 14.07.2021 has after thorough deliberations agreed that the original alignment proposed by DMRC is the most suitable one because it involves minimum use of forest area (12.97 Ha) and minimum felling of trees (1072 trees). The RMB has therefore recommended the proposal subject to the following conditions:

- a) The User Agency shall obtain necessary permission for diversion of forest area for non-forestry purposes as per provisions under Forest (Conservation) Act, 1980.
- b) The User Agency shall deposit 5% of the project cost proportionate to the area falling within Morphological Ridge area to RMB fund on the lines of conditions imposed by Hon'ble Supreme Court of India in Writ Petition (Civil) 202 of 1995 titled T.N. Godavarman Thirumulpad Vs Union of India and Ors for management of the Ridge.

EXTENT AND IMPORTANCE OF DELHI RIDGE AREA / MORPHOLOGICAL RIDGE AREA AND ORDERS OF HON'BLE SUPREME COURT IN THIS REGARD

- 19. i) The Master Plan for Delhi Perspective, 2001, notified by the Delhi Development Authority (DDA) on 1st August, 1990, states that the Ridge in Delhi is defined as rocky out-crop of Aravalli Ranges stretching from the University in the North of Union Territory boundary to the South and beyond. **The Delhi Ridge area extends over 7,777 ha out of which 87 ha falls in Northern Ridge, 864 ha falls in Central Ridge,**

626 ha falls in South Central Ridge and 6200 ha falls in Southern Ridge. The ridge area has been classified and included in the Master Plan (Land use Plan) as Regional Park.

ii) The Government of National Capital Territory of Delhi by notification dated 24th May, 1994 under Section 4 of the Indian Forest Act, 1927 notified the 7,777 ha of Delhi Ridge area as Reserved Forests commonly referred to as Notified Ridge Area. The Delhi Ridge serves as the green lungs for Delhi and acts as a buffer against rising pollution levels. The pressures of rapid urbanization in Delhi have, over the years, threatened and adversely affected the forests in Delhi Ridge area. The Ridge area thus identified needs to be conserved with utmost care and should be afforested with the indigenous species with minimum of artificial landscape.

iii) This Hon'ble Court has passed a series of directions in Writ Petition (Civil) No. 4677 of 1985 for conservation and protection of Delhi Ridge. **Pursuant to this Hon'ble Court order dated 29th September, 1995 the Government of NCT of Delhi by order dated 6th October, 1995 constituted the Ridge**

Management Board (RMB) under the Chairmanship of Chief Secretary, Delhi. The Board has been assigned various functions relating to conservation and protection of Ridge. These include execution of the management scheme for the Ridge Forests, protection of boundaries of the Ridge and preparation and execution of detailed plans for up gradation of the Ridge.

iv) **This Hon'ble Court by order dated 10th October, 1995 directed that the Ridge Management Board shall ensure that the Ridge is not occupied or encroached by any person for any unauthorised purpose.** This Hon'ble Court further directed the Chairman RMB to file an affidavit by a responsible officer after every eight weeks, indicating the progress made in preserving the status of the Ridge as a forest and also keeping it free from encroachers.

v) **This Hon'ble Court by order dated 25.01.1996 and 13.03.1996 in IA No. 18 and IA No. 22 in Writ Petition (C) 4677 of 1985 directed that the uncultivated surplus land of Gaon Sabha falling in the Ridge area may be excluded from vesting in Gaon Sabha u/s 154 of the Delhi Land Reforms Act,**

1954 and made available for the purpose of Reserved Forest.

vi) The Government of NCT of Delhi in compliance of the above said orders of this Hon'ble Court issued Notification dated 2nd April, 1996 u/s 154 of the Delhi Land Reform Act, 1954 declaring 10,517 acres (about 4,206.68 ha) of uncultivated land of Gaon Sabha situated in Southern Ridge as surplus land and excluded the same for vesting in Gaon Sabha. Further by Notification dated 2nd April, 1996 placed the said 4206.68 ha land at the disposal of the Forest Department of Delhi Government and this 4206.68 ha of land stands included in the 7777 ha of Notified Ridge Area.

vii) This Hon'ble Court by order dated 9th May, 1996 directed that the Ridge is to be kept free from encroachers and its pristine glory must be maintained for all times.

viii) The Geological Survey of India (GSI) in the year 2001-02 carried out geological and geomorphological mapping of about 1482 sq km area of NCT of Delhi on 1:10,000 scale with a view to provide the base map for seismic microzonation of Delhi and which map was

published in the year 2006. **In the geological and geomorphological map prepared by the GSI the land forms found to be under rocky surface have been included and shown under the geomorphic unit “residual hills / Ridges”.** It is relevant to mention that all the areas identified as Residual Hills / Ridges in the geological and geomorphological mapping done by the GSI are not included and shown as Ridge areas in the MPD 2001 and MPD 2021. For example, the areas between Tughlakabad to Okhla via Greater Kailash and Nehru Place have been identified as Ridge areas in the said Report of GSI but are not included as Ridge areas in the MPD 2001 and MPD 2021.

ix) Initially, the clearance from the Ridge Management Board and the permission of this Hon'ble Court was being insisted upon only in respect of the Notified Ridge Areas. This Hon'ble Court by order dated 23.03.2007 has granted permission to the Delhi Metro Rail Corporation Limited for use of forest land and non-forest land falling in the Delhi Ridge area for the construction of the Central Secretariat – Qutab Minar – Gurgaon corridor of the metro line and by order dated 07.12.2007 has granted permission for use of forest land and non-forest land for construction of

Express Metro Link to the Airport through the Central Ridge.

x) Subsequently by order dated 03.11.2011 the Hon'ble High Court of Delhi in Writ Petition (Civil) No. 3339 of 2011, filed by Shri Ashok Kumar Tanwar, held that lands situated outside the Notified Ridge Areas but which have morphological features conforming to the ridge should be given the same protection as is given to the notified areas. Consequently, all the concerned agencies were restrained from carrying out construction works on such lands (Morphological Ridge) also referred to as "Extended Ridge Area" till necessary clearance from the Ridge Management Board and through the CEC the permission of this Hon'ble Court is first obtained.

20. This Hon'ble Court by orders issued from time to time, since 02.11.2012 and till 06.09.2019, has given permission to various agencies of Central Government and Delhi Government for carrying out construction activities in notified Ridge area on forest land and non-forest land situated outside the notified Ridge Area in extended Ridge Area / Morphological Ridge Area. These

include the Border Roads Organization, the Delhi Metro Rail Corporation Limited, Jawaharlal Nehru University, Central Bureau of Investigation, Ministry of Defence, Ministry of External Affairs, Ministry of Textiles, South Delhi Municipal Corporation, Delhi Development Authority, Central Public Works Department, National Highways Authority of India (NHAI) and the Delhi Police.

OBSERVATIONS AND RECOMMENDATIONS

21. After considering that

- i) the project is in public interest;
- ii) it is proposed to construct the 23.62 km long Aerocity to Tughlakabad corridor Mass Rapid Transport System forming part of Phase IV Project in Delhi at an estimated cost of Rs. 8230 crores and scheduled to be commissioned by year 2024;
- iii) the metro corridor will serve the densely populated areas and is integrated with
 - a) Airport Express Line which provides metro connectivity of South Delhi to Indira Gandhi International Airport;

- b) Samaypur Badli to HUDA City Centre (Yellow Line) at existing Chhatarpur Metro Station which integrates the metro connectivity of South Delhi to Gurgaon and Faridabad;
- iv) the vehicular traffic of IG Airport from Delhi will be drastically reduced with consequent reduction in traffic on NH-8, Mahipalpur – Mehrauli Road, Mehrauli – Badarpur Road apart from the Metro Project providing the connectivity to Line-6 at Tughlakabad for commuters of Faridabad;
- v) the total Ridge Area involved including Morphological Ridge is 12.97 ha extending over a length of 5.29 kms. Out of this 12.97 ha an area of 4.5 ha will be for tunnels 20 m below the ground while the remaining 8.4 ha is required for constructing Metro Stations;
- vi) since tunnel boring machines will be used surface breaking is limited to 8.4 ha. required for constructing metro stations and therefore there will be minimal impact to the ecology or structure on Ridge / Morphological Ridge;

- vii) the land required on permanent and temporary basis has been restricted to 14865 sqm and 69793 sqm respectively with minimal impact. The 69793 sqm land, held on temporary basis, shall be restored back after the completion of the Project;
- viii) it is not possible to align the corridor outside the ridge area;
- ix) the total number of trees involved is 6961 trees break up being 1072 trees located in 12.97 ha over a length of 5.29 km in Ridge Area including Morphological Ridge, 2536 trees located in 3.79 ha identified as deemed forest over a length of 0.97 kms and 3353 trees located on 27.06 Ha non-forest land over a length of 17.35 km. A total of 2195 trees out of 6961 trees are to be transplanted while the remaining 4766 trees are to be felled;
- x) the compensatory planting will involve about 34,000 saplings (ten times 3353 trees to be felled / transplanted) and will be located on land made available by DDA while transplantation of 2195 trees will be undertaken on open lands of DDA,

Ministry of Defence and multiple land owning agencies in the vicinity of the Project;

- xi) the corridor proposed has been found to be the most feasible route economically, environmentally and technically for the purpose of daily ridership and will be covering a sizeable population;
- xii) the Ridge Management Board has recommended the proposal;
- xiii) no viable alternative is feasible and the use of the ridge area has been restricted to the minimum; and
- xiv) this Hon'ble Court by orders issued from time to time has for site specific projects given permission to various Central Government agencies and Delhi Government for carrying out construction activities on forest land, deemed forests and non-forest land situated
 - a) in the Notified Ridge Area
 - b) outside the Notified Ridge Area but located in extended Ridge area / Morphological Ridge area which have morphological features.

it is recommended that this Hon'ble Court may consider permitting use of 12.98 ha. Ridge area including Morphological Ridge and 3.79 Ha of deemed forest land involving 6961 trees (break up being felling of 4766 trees and transplantation of about 2195 trees) for construction of metro alignment tunnels and metro stations in the Southern Ridge, South Central Ridge and Morphological Ridge along the 23.62 km Aerocity - Tughlakabad Metro Corridor forming part of Phase IV of the Mass Rapid Transport System (MRTS) Project subject to the following conditions :

- a) The Applicant Delhi Metro Rail Corporation Limited will deposit 5% of the Project cost proportionate to the area falling within the Southern Ridge, South Central Ridge and Morphological Ridge, with the Ridge Management Board Fund and which amount, under the close supervision of the Ridge Management Board, will be used by the Forest Department of Delhi Government for conservation and protection of the Delhi Ridge.
- b) The Applicant will obtain the statutory forest clearance for diversion of 12.98 ha. forest land falling in Southern Ridge, South Central Ridge and 3.79 ha.


of deemed forest for non-forest use in accordance with the provisions of the Forest (Conservation) Act, 1980 from the competent authority and shall comply with all the conditions that are laid down in the order to be passed for diversion of forest land.

- c) The 25 Ha of land allotted by DDA for compensatory afforestation in Dhusiras Village, Dwarka shall be notified as protected forests under the provisions of the Indian Forest Act 1927 and shall be managed by the Forest Department of Delhi Government.
- d) The area falling within the Delhi Ridge area / Morphological Ridge area will not be used for commercial purposes by the Applicant or any other party.
- e) The Applicant shall pay Net Present Value as assessed by the Forest Department, Delhi Government.
- f) The applicant shall obtain necessary approvals under the Delhi Preservation of Trees Act, 1994 from the competent authority before felling of trees standing on non-forest land.
- g) Compensatory plantation of 34,000 saplings of indigenous species, being ten times in lieu of 3353

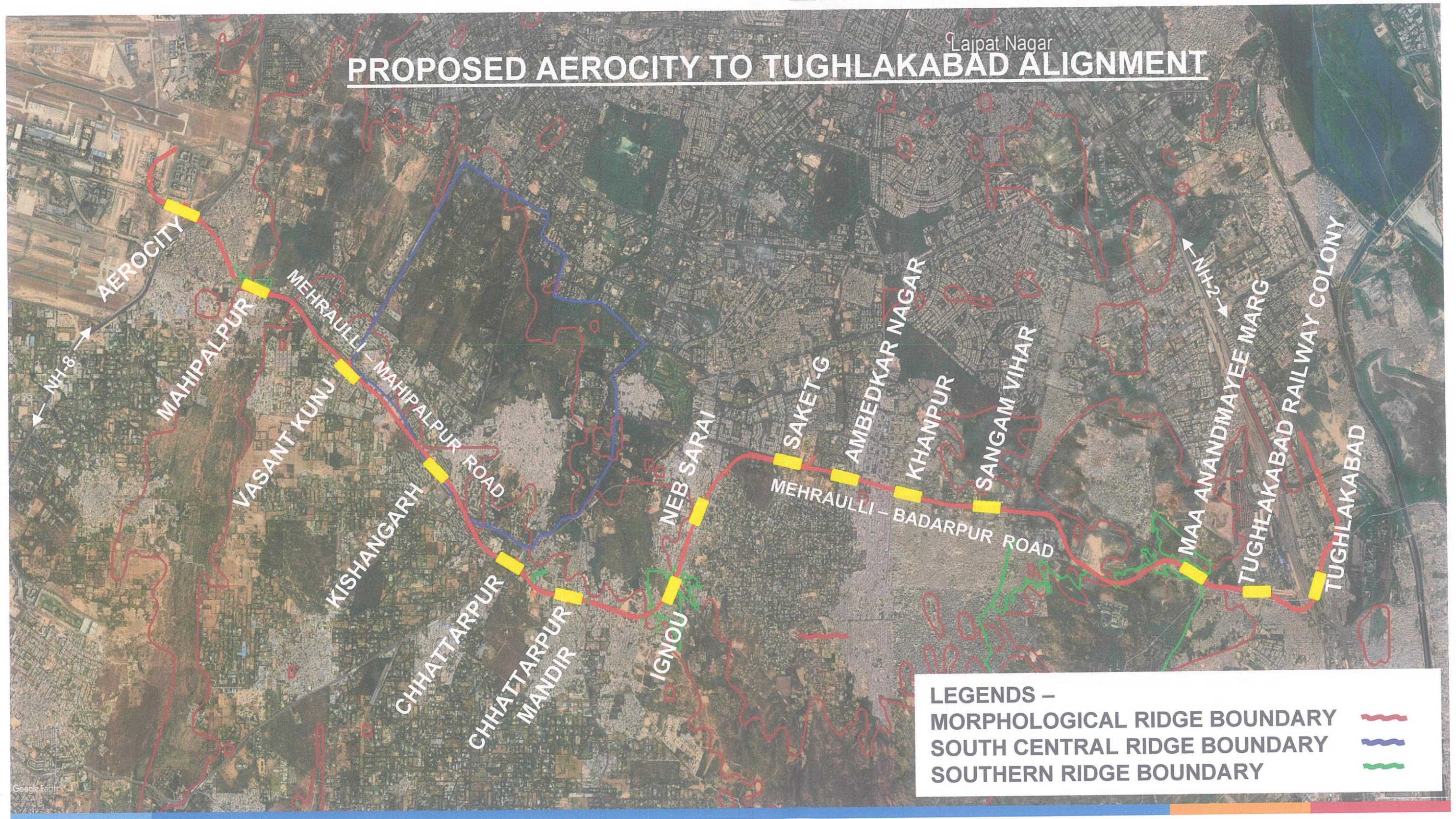
trees standing on non forest land and proposed to be felled / transplanted, will be undertaken by the Forest Department of Delhi Government on the lands provided by DDA for the said purpose.

- h) The cost of raising 34,000 saplings and raising compensatory afforestation in lieu of the diversion for forest land for non – forest use will be deposited in advance by the Applicant with the Forest Department of Delhi Government who will undertake the planting and maintenance of the above trees for seven years.
- i) Transplantation of 2195 trees will be undertaken by DMRC on open identified lands made available by DDA, Ministry of Defence and other multi land owing agencies including private trusts.
- j) The transplantation of trees will be undertaken near the impact area itself.
- k) The felling of trees proposed is limited to the bare minimum required for execution of the project.

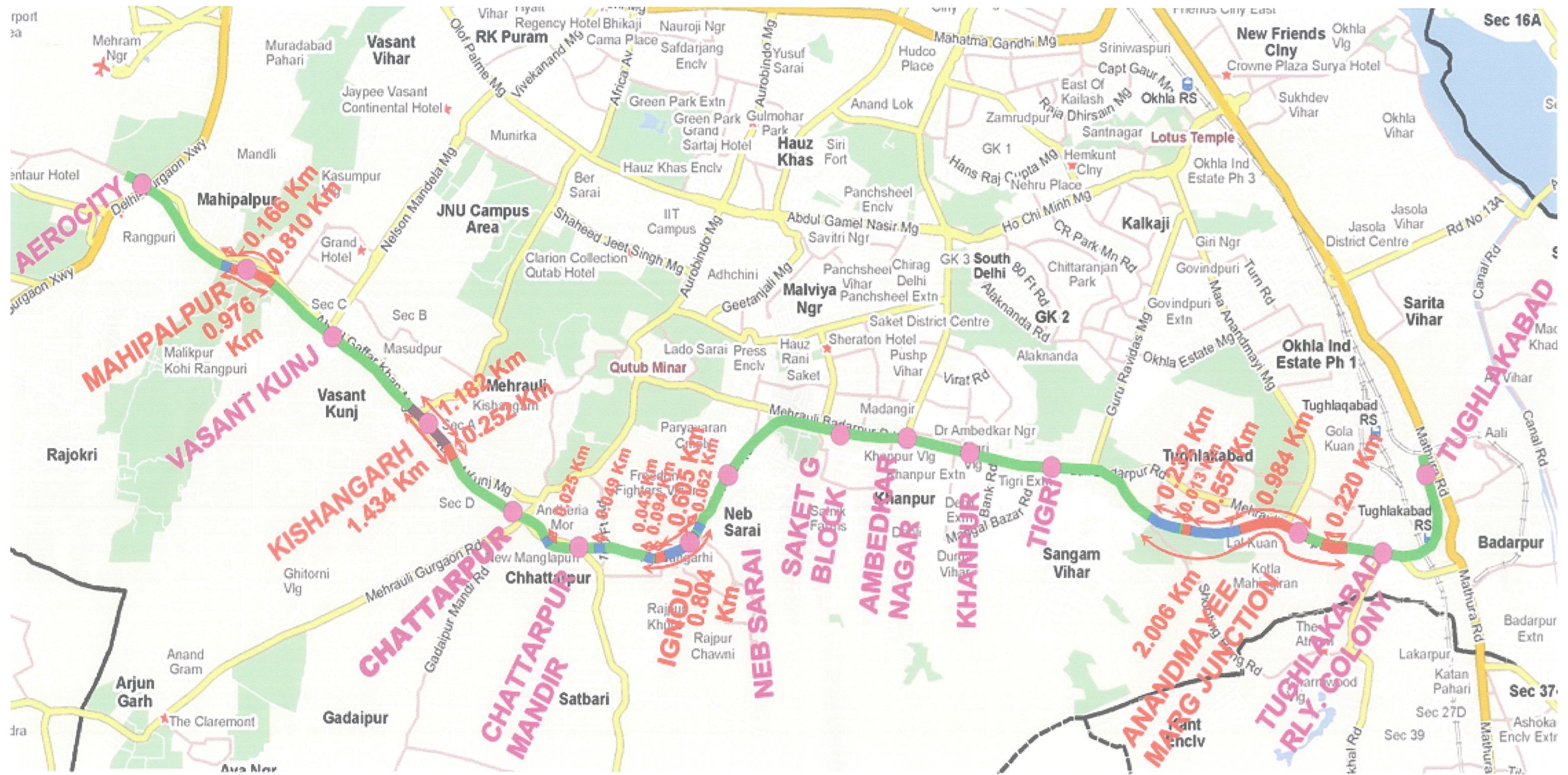
This Hon'ble Court may please consider this Report and may please pass appropriate order in the matter.


(Amarnatha Shetty)
Member Secretary

Dated: 11th August, 2021



PROPOSED AEROCITY TO TUGLAKABAD CORRIDOR 34



Legend -

DMRC Alignment

Notified South Central Ridge (1.182 km)

Stations

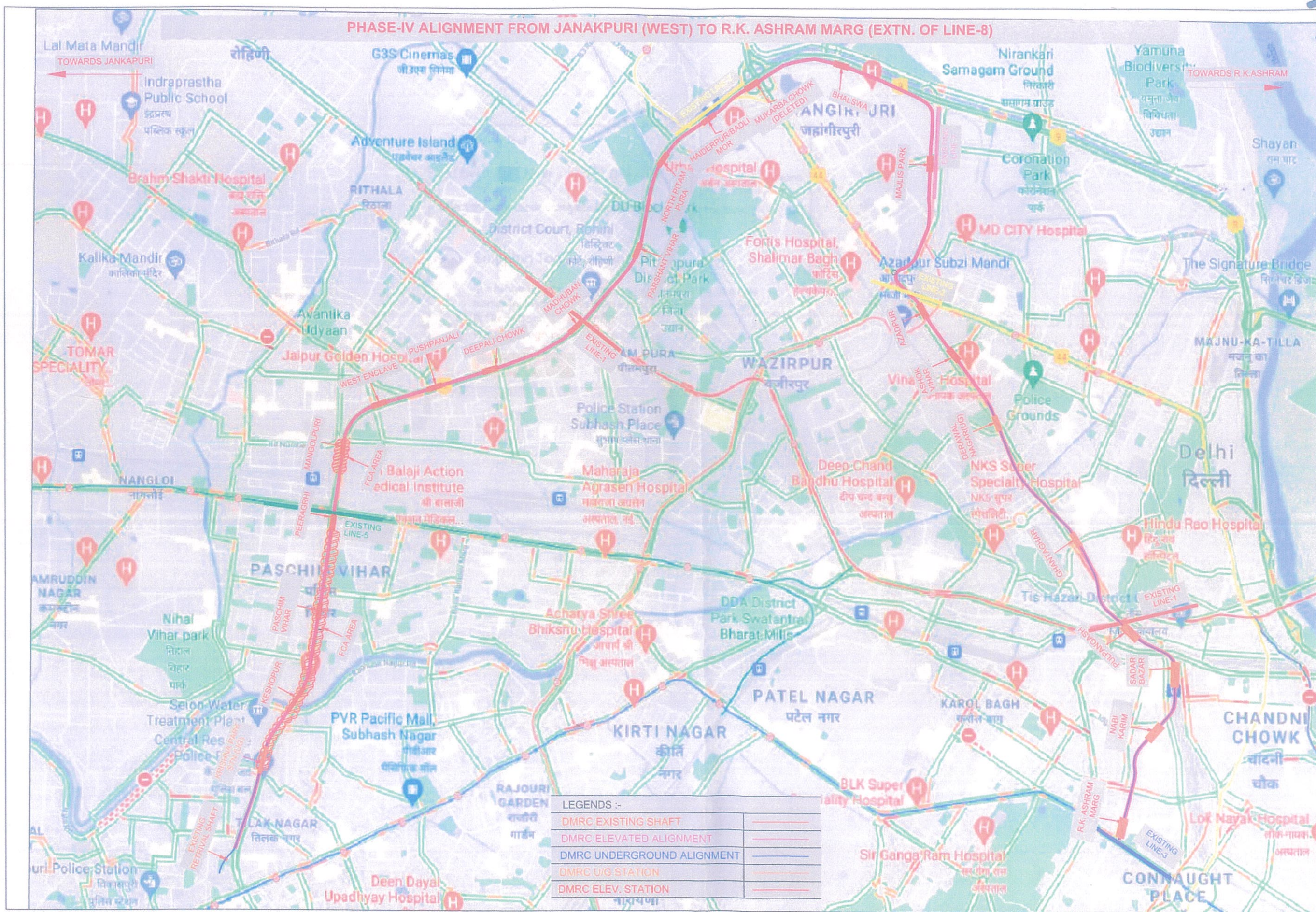
Morphological Ridge (2.373 km)

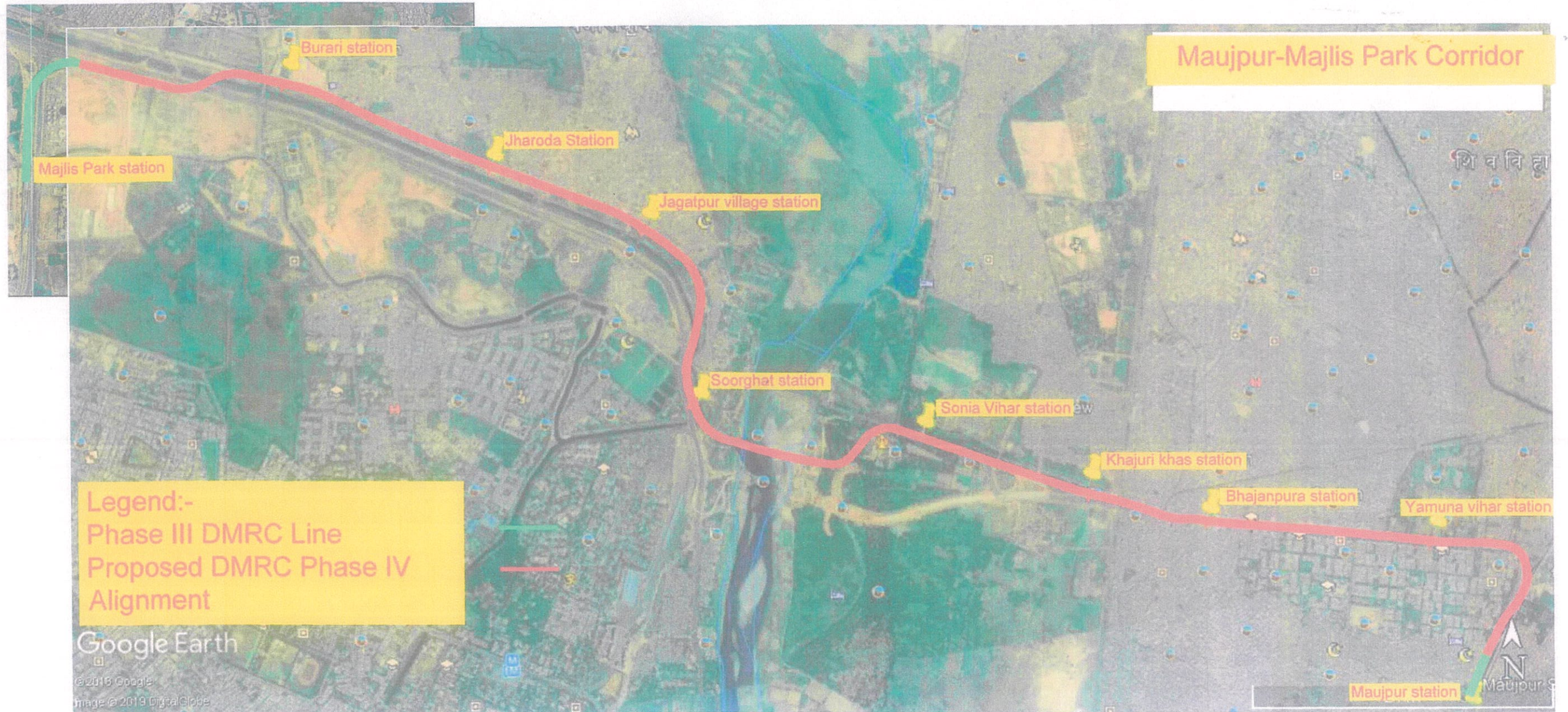
Notified Southern Ridge (1.739 km)

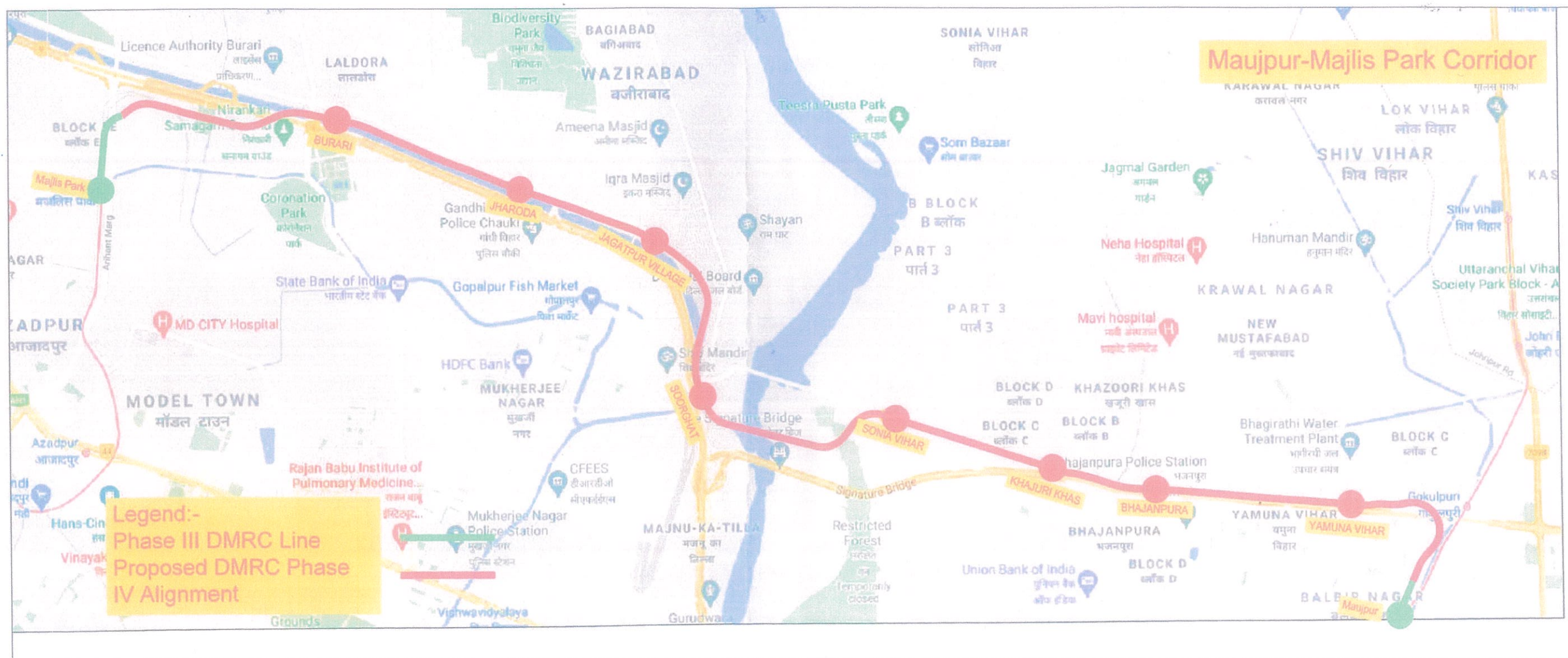
PHASE-IV ALIGNMENT FROM JANAKPURI (WEST) TO R.K.ASHRAM MARG (EXTN. OF LINE-8)



PHASE-IV ALIGNMENT FROM JANAKPURI (WEST) TO R.K. ASHRAM MARG (EXTN. OF LINE-8)







ANNEXURE-K.2(cally)

Tree Species Girth-Wise Detail of Aerocity to Tughlakabad Corridor (Phase-IV)

S.no.	Tree Species	Girth Wise Detail of Trees				
		≤30 cm	> 30 cm & ≤ 50 cm	> 50 cm & ≤ 100 cm	> 100 cm	Total
1	Kikar*	73	188	304	142	707
2	Subabul*	627	205	113	15	960
3	Safeda / Eucalyptus*	1	2	9	20	32
4	Babul	0	1	2	0	3
5	Aam/Mango	4	3	1	1	9
6	Alstonia	7	10	29	42	88
7	Amaltash	89	48	87	16	240
8	Amla	90	93	34	2	219
9	Amrud/Guava	6	4	1	2	13
10	Ashoka	118	54	32	18	222
11	Bargad	6	13	21	28	68
12	Ber	22	37	38	3	100
13	Ficus	61	13	9	2	85
14	Gular	6	4	4	4	18
15	Gulmohar	2	2	7	10	21
16	Jamun	10	18	14	9	51
17	Janglee Jalebi	3	0	4	2	9
18	Kadam	0	3	25	2	30
19	Kaner	247	51	11	1	310
20	Neem	211	209	284	175	879
21	Pakad	13	16	27	21	77
22	Palm	4	10	42	6	62
23	Papri	81	45	130	22	278
24	Pilkhan	5	16	25	16	62
25	Pipal	24	18	27	50	119
26	Sagwan	15	11	13	2	41
27	Semal	11	6	22	15	54
28	Shehtoot	44	45	44	34	167
29	Sheeshum	42	27	104	84	257
30	Khajur	0	0	5	24	29
31	Shirish	506	140	73	33	752
32	Bakayan	11	7	22	17	57
33	Mahaneem	1	0	9	27	37
34	Imli	2	2	3	4	11
35	Kachnar	1	6	1	0	8
36	Laseda	19	5	2	0	26
37	Arjun	1	1	3	0	5
38	Haar Singar	1	1	0	0	2
39	Chudail Papdi	4	2	2	0	8
40	Dhak	2	1	1	0	4
41	Ullu Neem	11	4	14	29	58
42	Bel Patra	1	3	0	1	5
43	Gudhal	2	0	0	0	2
44	Khair	8	7	8	0	23
45	Others	260	164	142	74	640
46	Dry	60	21	30	2	113
Total		2712	1516	1778	955	6961

*As Per Tree Transplantation Policy 2020, Leucaena leucocephala (Subabul), Eucalyptus globulus (Safeda / Eucalyptus) and Prosopis juliflora (Vialyati kikar) are the species of Invasive Exotic Trees and should not be considered for transplantation and will be excluded from the target of requiring minimum 80% of the trees affected by developmental activity to be transplanted.

Ranjit

Tree Species Detail of Aerocity to Tughlakabad Corridor (Phase-IV)

S.no	Tree Species	Ridge/Forest Area including Morphological Ridge	Deemed Forest Area	Non-Forest Land	Total No. of Trees
1	Kikar*	333	8	366	707
2	Subabul*	0	740	220	960
3	Safeda / Eucalyptus*	5	3	24	32
4	Babul	3	0	0	3
5	Aam/Mango	3	1	5	9
6	Alstonia	25	2	61	88
7	Amaltash	66	116	58	240
8	Amla	9	209	1	219
9	Amrud/Guava	3	2	8	13
10	Ashoka	20	14	188	222
11	Bargad	11	6	51	68
12	Ber	10	0	90	100
13	Ficus	24	2	59	85
14	Gular	1	9	8	18
15	Gulmohar	6	2	13	21
16	Jamun	12	6	33	51
17	Janglee Jalebi	6	0	3	9
18	Kadam	1	28	1	30
19	Kaner	11	40	259	310
20	Neem	150	408	321	879
21	Pakad	28	0	49	77
22	Palm	10	0	52	62
23	Papri	11	87	180	278
24	Pilkhan	2	5	55	62
25	Pipal	25	14	80	119
26	Sagwan	15	2	24	41
27	Semal	22	6	26	54
28	Shehtoot	13	16	138	167
29	Sheeshum	34	32	191	257
30	Khajur	0	0	29	29
31	Shirish	84	444	224	752
32	Bakayan	1	18	38	57
33	Mahaneem	8	0	29	37
34	Imli	1	5	5	11
35	Kachnar	0	1	7	8
36	Laseda	0	25	1	26
37	Arjun	0	0	5	5
38	Haar Singar	0	2	0	2
39	Chudail Papdi	0	4	4	8
40	Dhak	0	4	0	4
41	Ullu Neem	0	1	57	58
42	Bel Patra	0	4	1	5
43	Gudhal	0	0	2	2
44	Khair	0	0	23	23
45	Others**	119	158	363	640
46	Dry tree	0	112	1	113
Total		1072	2536	3353	6961

*As Per Tree Transplantation Policy 2020, Leucaena leucocephala (Subabul), Eucalyptus globulus (Safeda/ Eucalyptus) and Prosopis juliflora (Vialyati kikar) are the species of Invasive Exotic Trees and should not be considered for transplantation and will be excluded from the target of requiring minimum 80% of the trees affected by developmental activity to be transplanted.

** Others trees species include trees such as Champa, Kanji, Kigelia, Kanak Champa, Jasmine/Chameli, Chukrasia, Akon, Loveria, Bottlebrush, Peepli, Calendra, Ronjh, Mahagun, Banesh, Boral, OAK, Kawa, Ruber, Chandania, Sagona etc.

Yadav
26/7

Ranjit

ANNEXURE-R-3

41

4007-A

Receipt No. 60352/2021/010 Land
104/02/21

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

ANNEXURE-D

F.LD/IL/0062/2020 GOVT/34-O/o DY. DIRECTOR (IL) 136/

Dated: 19/01/2021

To
✓ The General Manager(Land)
Delhi Metro Rail Corporation Ltd
Barakhamba Road
New Delhi -110001

Sub: Request for providing land measuring (15+10) 25 Ha. for carrying out Compensatory Afforestation (CA) under FCA at Dhusiras Village, Dwarka for construction of Delhi MRTS Project Phase-IV (Revised).

Sir,

This is in supersession to this office letter dated 10.11.2020 and 08.01.2021 regarding compensatory afforestation under FCA in lieu of tree felling in the construction of or construction of Delhi MRTS Project Phase-IV.

In this regard, I am directed to inform that Competent Authority has been pleased to approve the allocation of land measuring (15+10) 25 Ha at Dhusiras Village, Dwarka under FCA in lieu of tree felling in the construction of for construction of Delhi MRTS Project Phase-IV

with the following terms and conditions: -

1. The Google imagery and list of the Geo-coordinates are enclosed herewith.
2. The agency may convey their and Forest Department's approval of the proposed land to Addl. Commr. (LS), DDA.
3. The land under reference shall remain under the ownership of DDA. Status of the green land shall be changed subsequently to "Protected Forest".
4. It is also stated that any additional condition deemed fit by the Competent Authority to maintain land under reference for protected forest can be added.

Encl: Location Plan & Geo-coordinates

(Sada Shiv)
Dy. Director (IL)

Copy for kind information to: -

1. Addl. Commr. (LS), DDA
2. Director (Hort.) North West, DDA
3. Director (LM)-II, DDA, Vikas Sadan, New Delhi-110023
4. Dy. Director (S)LD, DDA, Vikas Sadan, New Delhi-110023
5. PS to PC (Hort., LS) DDA for kind information of later

Dy. Director (IL)

ANNEXURE-R-4(Colly.)

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8
320



DELHI DEVELOPMENT AUTHORITY
Landscape & Environmental Planning Department
11th floor, Vikas Minar, ITO, New Delhi - 110002
Contact: 011-23370985. Email: kalpana.skurana2026@dda.gov.in



ANNEXURE- C1

No. LS/MISC/0003/2020/F1/-O/o DIRECTOR (LANDSCAPE)

Dated: 24th July 2020

To
Mr. M.K. Shukla
General Manager/Land, Delhi Metro Rail Corporation Limited
Metro Bhavan, Fire Brigade Lane, Barakhamba Road,
New Delhi-110001
Email: mridulshukla@gmail.com. Tel: 23417910/12, Fax- 23417921

Sub: Disbursement Amount of Compensatory Plantation.
Reference: Letter of this office 2nd July 2020.

Sir,

DDA has allocated locations to your agency within its greens for execution of Compensatory Plantation with respect to developmental project stated below. Plantation will be done by DDA on your behalf. You are required to pay an amount stated below, calculated @ Rs. 5700 per sapling to be planted, including a maintenance of 7 years. The said amount may kindly be deposited with DDA, Account no. 412102010053197 (Misc. Receipts A/C), Union Bank of India.

Requesting Agency	Delhi Metro Rail Corporation Limited
Project due to which Plantation requested for	Phase- IV of MRTS network for NCT of Delhi
Plantation Quantum	40,000 trees
Disbursement Amount @ Rs. 5700 per sapling	Rs. 22,80,00,000/- Rupees Twenty Two Crores, Eighty Lacs only

The information of the deposition may kindly be intimated to the office of the undersigned and a copy may be submitted to the concerned contact person on site for record.

This is issued with the approval of PC/Hort, I.S. Pers.

Kalpana
24 July 2020
Dr. Kalpana S. Khurana
Director, Landscape

Copy to:

1. Additional Commissioner, Landscape, for information please
2. Director, Horticulture (South East) for information Please
3. Director, Horticulture (North West) for information Please
4. Director, Horticulture (West) for information Please
5. Deputy Director, Horticulture Division-6, for compliance please
6. Deputy Director, Horticulture Division-2, for compliance please
7. Deputy Director, Horticulture Division-3, for compliance please
8. Assistant Director, Horticulture Division-5, for compliance please
9. Director (Finance) for information
10. DD Horti/ HQ for information
11. PS to Pr. Commissioner, Horticulture for kind information of latter

So Deputy (Land)
pl. prcm
31/7/20
30/07/20

Pr. Commissioner, Horticulture
05/8/2020

43

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163

320

S.No	Name of Scheme	Reference	Trees	Geo Coordinates	
				Latitude	Longitude
A. Horticulture Division-5 Concerned Assistant Director Mr. Satender, Mob. No: 9871012108					
1	District Park, Sec-10 Rohini	Swarn Jayanti	1000	28.7191352	77.1195799
2	Green belt Sector-24, Rohini.	Near pocket-5	250	28.72577	77.082772
3	Green Belt Sec-24 Rohini	Near Deep Vihar	200	28.729658	77.083252
4	Green belt at Sector-11, Rohini.	Near Balaji	200	28.72992	77.11069
5	Park at sec-23, Rohini		500	28.724016	77.081192
6	District Park, Part-1, Sec-29	along HIG flat	550	28.75884	11.08761
7	Park Block- D, Sector 29, Rohini.		500	28.678475	77.083002
8	M.P Green Area part-I Sec-29 Rohini	Near w.y canal	400	28.759115	77.095113
9	Park at Sec- 29-30 Rohini.	Pkt. D1, D2, D3 Sec-29 & Pkt. C1, C2, C3 Sec-30.	200	28.769278	77.089736
10	MP Green Area Sec-30, Rohini		800	28.760992	77.088305
11	Green Area Pkt-A1, A2, Sec-34, Rohini		250	28.76079	77.080552
12	Distt. Park Avantika Rohini. Sec-1		300	28.704511	77.093222
13	Green Belt along outer Ring Road Sector-3		200	28.697721	77.11647
14	Distt Park Sec-14 Rohini.	Chitra Gupta	500	28.709434	77.127954
15	NHP, H-Block, Sector - 15, Rohini.	Near Taxi Stand	200	28.709434	77.130315
16	Park & Play Ground sec-19 Rohini.	Baba Wala Bagh	200	28.736305	77.140439
17	Park and woodland site no. 3 sec- 5		200	28.724062	77.101608
18	Green area sec-28 Rohini. Part-1		620	28.754513	77.096653
19	M.P Green Area Sec- 28 Part-II Rohini	between LIG/MIG Flats	750	28.755228	77.098013
20	Park Pkt. C-4, Sector - 28		200	28.7617124	77.097558
21	M/O Green Belt Sector - 28, Pt. -I	Near 80 mtr. Road, rohini.	400	28.75288	77.09243
22	Green belt at Sector-11, (Ext.) Rohini.		200	28.73311	77.10567
23	Park Sec-25	Shahabad Dairy	200	28.737158	77.095216
24	Green Belt Sec-25, Rohini.	Near CNG Pump	500	28.728663	77.098000
25	Green belt at sector-32, rohini. Part-II		400	28.742500	77.090944
26	Green belt at sector-32, Rohini. Part-I		700	28.740395	77.076726
27	Green Belt Sector - 32,	Along 60 and 80 mtr. Wide road.	600	28.738365	77.081602
28	Green belt Sec-36	Near 100mtr Road	400	28.075418	77.057227
29	Green belt road Sec-36	30mtr wide road to 60 mtr	500	28.747208	77.066084
30	Green belt Sec-36	behind Helipad	250	28.751724	77.061189
31	Green belt Sec-37, , Rohini	Near Pkt-B-03	1700	28.748094	77.060108
32	Green belt at Sec-36, Rohini	between 30mtr. to 60mtr road helipad	600	28.747576	77.063562
33	Green belt Sec-37, Rohini	along 100mtr R/W	863	28.751128	77.054874
34	Totlot at Pkt-2, Blk-A, Sec-36, Rohini		241	28.751171	77.068473
35	Totlot at Pkt-3, Blk-A, Sec-36, Rohini		570	28.749882	77.066065
36	Totlot at Pkt-B, Sec-36, Rohini		300	28.751425	77.064606
37	Totlot at Pkt-1, Blk-C, Sec-36, Rohini		739	28.755702	77.063902
38	Totlot at Pkt-2, Blk-C, Sec-36, Rohini		700	28.753599	77.06409

44

10
320

162

39	Green belt Sec-37, Rohini	Near 60 m opposite heliport road	3190	28.745533	77.061103
40	Green belt and totlot park at Pkt-A1, Sec-37, Rohini		306	28.743649	77.063632
41	Totlot park at Pkt-B-3, Sec-37, Rohini		310	28.744857	77.059995
42	Totlot park at Pkt-C-1, Sec-37, Rohini		311	28.744976	77.058049
Total			22,000		

S.No	Name of Scheme	Reference	Trees	Geo Coordinates	
				Latitude	Longitude
B. Horticulture Division-6 Concerned Deputy Director, Mr. Raj Pal, Mob. No: 9599927245					
43	Master Plan Green, Siri Fort Phase-I	Rishal Wala	250	28.3248	77.1251
44	Master Plan Green, Siri Fort Phase-II		250	28.325	77.1379
45	Master Plan Green, Siri Fort Phase-III		250	28.3249	77.1332
46	Master Plan Green, Siri Fort Phase-IV		250	28.338	77.133
47	Master Plan Green Lado Sarai, Ph-II		200	28.52139	77.1957
48	Newly cleared area Ladha Sarai	125.50 Acres	200	28.51437	77.18924
49	Master Plan Green, Lado Sarai, Ph-I	Tara Wala	250	28.52558	77.1898
50	Scheme attached to Vijay Mandal- Begum Pur	completed	300	28.53602	77.20434
51	Park at Pul Prehladpur Ph-I		200	28.50272	77.2861274
52	Tughlakabad Recreational Complex Zone-III, Ph-I		200	28.50831	77.2671029
53	Area between Shooting Range to Haryana Border, Tughlakabad	122 Acre	200	28.19753	77.267198
54	Area under Flyover Defence Colony		200	28.58268	77.238
55	District Park Satpula Lake	Near Chirag Delhi & Khirki Village	200	28.53644	77.2261271
Total			2950		

45

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320

161

S.No	Name of Scheme	Reference	Trees	Geo Coordinates	
				Latitude	Longitude
C. Horticulture Division-2 Concerned Deputy Director. Mr. Saiekh Sharma. Mob. No: 9810999845					
56	Green Belt Mangol Puri Industrial Area Ph. II		200	28.6854249	77.0973577
57	District Park, C.H.B.S. Pitampura	Sanjay Van	200	28.6896167	77.0973577
58	District Park, Multan Nagar		200	28.6797805	77.1038805
59	Green Belt RSP, Tikri Kalan	P.V.C. Market	1500	28.6723147	76.9687412
60	Zonal green. Ashok Vihar Ph. IV		200	28.6861802	77.1719215
61	District Park, Ashok Vihar Ph. III	Baba Khimman Singh	200	28.689225	77.176677
62	Park at Picnic Hut, Ashok Vihar Ph. III		200	28.689493	77.181466
63	Park, Ashok Vihar Ph. IV.	Ashoka Garden	2500	28.6960288	77.1767646
64	District Park, Harsh Vihar Pitampura		200	28.691122	77.134635
65	District Park, Sanik Vihar Pitampura		200	28.693163	77.123383
66	District Park, Lawrence Road	Napal wala Bagh	200	28.681913	77.163295
67	District Park at Lawrence Road	M.D. Park	1500	28.684378	77.162980
68	District Park, Ashok Vihar Ph.- I.	Wazirpur Industrial Area	300	28.6971533	77.1587277
69	Children Park Ashok Vihar Ph. I	Ch. Lekh Ram Park	200	28.6915294	77.1712941
70	Green Belt, Ashok Vihar Ph.I. Block-E to I		250	28.6892985	77.1624135
71	Green Belt,Ashok Vihar Ph. I.	Near railway Line	600	28.6948439	77.1628344
72	District Park, Shostri Nagar Ph. III.	56 Bigha	500	28.6754896	77.1712726
73	Green area behind Amba Cinema	Land surrendered by Birla Textile at Shakti Nagar	200	28.6767539	77.1976089
74	Park at at Gulabi Bagh	Sindhora Kalan	200	28.679268	77.188705
75	District Park, Gulabi Bagh		500	28.671677	77.183486
76	Green area, Gopal Pur.	S.L.F. at	200	28.720469	77.218297
77	Green Belt, Dheerpur.		200	28.722108	77.214953
78	Green Between Railway Line and G.T.K. Road	Ismile Khan Wala Bagh.	200	28.692365	77.189404
79	Yamuna River Park Phase III Pt.- II		500	28.679897	77.229854
80	Park at Azadpur.	Land surrendered by Ajudhya Textiles Mills	200	28.705431	77.178038
81	Orchard, Azadpur	Parneshwari Wala Bagh	200	28.706002	77.180656
82	Coronation Park, Burari	Near Kingsway Camp.	500	28.722559	77.198172
83	Park, Azadpur at GTK road	Parneshwari wala bagh behind Hans cinema	200	28.704029	77.18196
Total			12250		

46

12
320

(60)

S.No	Name of Scheme	Reference	Trees	Geo Coordinates	
				Latitude	Longitude
D. Horticulture Division-3 Concerned Deputy Director. Mr. Devender Panwar. Mob. No: 7838227920					
84	Master Plan Green. Hustsal Ph.-I.		200	28.638235 28.637817	77.053814 77.053932
85	District Park, M-Block Vikas Puri.		200	28.634845 28.637631 28.633083	77.073584 77.073874 77.074249
86	DDA Land as green at Moti Nagar	HIL	200	28.6690075	77.1591998
37	DDA Green at Moti Nagar	Land surrendered by SEIL India Ltd.	600	28.6680428	77.1590348
88	DDA green at Moti Nagar	Land surrendered by Swatantra Bharat Mill.	400	28.6676793	77.1566858
89	Master Plan Green, Sayed Nangloi Ph.- I	Mango Orchard	200	28.6552988	77.0759583
90	Master Plan Green, Sayed Nangloi Ph.-II.	Mango Orchard	500	28.660595	77.0726485
91	Master Plan Green, Sayed Nangloi Ph.-III	Mango Orchard	500	28.6576822	77.0730969
Total			2800		
Grand total			40000		

ANNEXURE-R-4 (copy) 47

ANNEXURE-C 2

4007



DELHI DEVELOPMENT AUTHORITY
Landscape & Environmental Planning Department
11th floor, VikasMinar, ITO, New Delhi – 110002
Contact: 011-23370985, Email: kalpana.skurana2026@dda.gov.in



No.LS/MISC/0003/2020/F1/-O/o DIRECTOR (LANDSCAPE)

Dated: 04th February 2021

To,

Mr. M. K. Shukla
General Manager/ Land, Delhi Metro Rail Corporation Limited
Metro Bhavan, Fire Brigade Lane,
Email- mridulkshukla@gmail.com, Tel: 23417910/12. Fax- 23417921

Subject: Compensatory Tree Plantation

Reference: 1. Letter of this office dated 5th October 2020.
2. Letter of DMRC dated 22nd October 2020.
3. Letter of O/o AC/LS dated 29.01.2021.

Sir,

This is with reference to the above mentioned letters. Location of 60,000 saplings for compensatory plantation allocated to DMRC on the floodplains of River Yamuna has been re-distributed after request from your office citing technical reasons. The details are placed below and attached. All earlier terms and conditions remain the same.

Compensation Type		Plantation	
Requesting Agency		Delhi Metro Rail Corporation Limited	
Project due to which requested		Phase- IV of MRTS network for NCT of Delhi	
Plantation Quantum/ Area requested		60,000 trees	
Location Identified			
HD-9	Area location	Number of trees	Reference plan
1.	Wazirabad Barrage to ISBT Bridge on Eastern bank (Garhi Mandu)	15,000	Annexure A
2.	Geeta Colony to Shantivan Drain on Western Bank (Asita West)	10,000	Annexure B
HD-7	Area location	Number of trees	Reference plan
3.	ITO Barrage to NH-24 (CWG) Eastern Bank	20,000	Annexure C
4.	Madanpur Khadar near NTPC Water Treatment Plant on Western Bank	10,000	Annexure D
5.	NH-24 to DND Flyway along River Yamuna on Eastern Bank	5,000	Annexure E
Concerned DDA contact person	Horticulture Division- 9	Deputy Director (Hort.) Mr. Indraj Meena	
	Horticulture Division- 7	Deputy Director (Hort.) Mr. G. S. Meena	


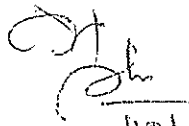
The revised geo-coordinates of the plantation may be intimated to the Forest Department, under intimation of the office of the undersigned. It may be noted that the area identified is for plantation only and not for transplantation of trees. You are requested to approach the Forest Department for site inspection. This is issued with the approval of Principal Commissioner, Horticulture.


Dr. Kalpana S. Khurana
Director, Landscape

Enclosure: Annexures A-E

Copy to:

1. Principal Chief Conservator of Forests, Department of Forests & Wild Life, GNCTD, A-Block, 2nd Floor, Vikas Bhawan, IP Estate, New Delhi-110002; Phone: 23370679
2. Additional Commissioner, Landscape, for information please
3. Advisor/LS, for information please
4. Deputy Director, Horticulture Division-7, for compliance please
5. Deputy Director, Horticulture Division-9, for compliance please
6. DD/Hort/HQ O/o PC (Pers/Hort/LS)
7. PS to Pr. Commissioner, Horticulture for kind information of latter please


S. D. G. (S. D. G.)

5/2/2021

ANNEXURE-R-5

ANNEXURE- E1

4040
Tele : 36029

HQ Delhi Area
Delhi Cantt-10

3747/DMRC/Q3L

19 Feb 2021

48

✓ Delhi Metro Rail Corporation Ltd
Office of the Executive Director / Civil/P-II
Press Enclave Road
Near Metro Station Malviya Nagar
New Delhi-110017

PERMISSION FOR TRANSPLANTATION OF TREES FROM MB ROAD TO 274 TRANSIT CAMP, KHANPUR

1. Please refer to DMRC letter No DMRC/ED/C/P-II/DC-04/10/491 dated 22 Jan 2021.
2. The issue of transplantation of trees from MB Road to 274 Transit Camp has been examined. It is to inform that there is already a tree plantation / transplantation plan in place for approx 1300 trees at 274 Transit Camp for which land has already been identified. Transplantation of additional 1,231 trees proposed by DMRC on Army Land at 274 Transit Camp would impinge on the already deficient A1 Defence Land required for construction of accommodation and allied infrastructure for administration and training of troops.
3. In view of the foregoing, only 257 trees which are presently existing within the Defence Land premises at Khanpur Camp itself may be considered for transplantation at suitable locations within Defence Land. The balance 974 trees may please be transplanted at any other location(s) by DMRC.

कॉमल
Col
कॉमल क्यू (लैंड)
Col Q (Land)
आलय दिल्ली एरि
HQ Delhi Area

Copy to:-

LW & E Dte/ Land (C & W)
QMG's Branch
HQ of MoD (Army)
DHQ Post Office
New Delhi-110011

HQ Western Command (Q/Land)
Pin 908543
C/o 56 APO

274 Transit Camp (Spl Type)
PIN-919274
C/o 56 APO

for info alongwith DMRC letter DMRC/ED/C/
P-II/DC-04/10/491 dt 22 Jan 2021.

Received on

36 01/3/21

O/o CPM/Q-DMRC

CM/F

PM/BA

PM/GB

Pl. look for suitable space for tree plantation at other loc.

may take up early.

So Draw (Land)

5/8/2021

Copy to:

AM/Land

'URGENT'

1374- PM/GB
2/3/2021

ANNEXURE-R-6

ANNEXURE-E2



49

ॐ नमो देव्यै महादेव्यै शिवायै सततम् नमः

श्री मातृ शरणम् ।

श्री मातृ शरणम् ॥

श्री आद्या कात्यायनी शक्तिपीठ (मन्दिर) ट्रस्ट

छत्तरपुर, नई दिल्ली-११० ०३०

“गद्दी श्री भगवती जी की”

संस्थापक

(ब्रह्मलीन) श्री दुर्गाचरणानुरागी बाबा संत नागपाल

23rd July 2021

दिनांक.....

With reference to offer submitted by Mr. Virender Kumawat from Delhi Metro.

We have no objection if they transplant tree of medium heights in the places shown to them within / outside our premises.

(Dr. Kishore Kumar Chawla)
C.E.O.