

CHAPTER – 7

TRANSPORT

Transportation has become very important in each stage of human civilisation in other words transport is regarded as a backbone of urban infrastructure and the lifeline of the city.

If the present means of transportation were not developed situation of the world would be totally different. Transportation has contributed much to the development of economy, social, political and cultural fields and uplifting their condition. Delhi being a capital city of India has got a sound transport system. The public transport system in the city comprises the Delhi Transport Corporation(DTC) bus system, the Delhi Metro, E-Rikshaw, Auto Rikshaw and the cabs/taxis etc. which cater the needs of the Delhiites. The objective of good Transport system is to facilitate the city resident for day today activities within our city. This is sought to be achieved by:

- Construction & redesigning of Roads for better traffic management, Road Bye-Pass, Express Corridors and Construction of RUB/ROB/Flyovers to make major roads signal free to improve the traffic flow on all major roads as well as barrier free pedestrians moments may be taken up.
- Construction of new Foot Over Bridges (FOBs) and maintenance of existing FOBs may be included for better result.
- Improvement of Bus Transport System by replacement of old fleet of DTC buses by new semi low-floor buses, making functional of Corporate Sector Bus Operating System in all 17 Clusters and construction of new BRT Corridors, Operation and Maintenance of existing BRT Corridor.
- Encourage greater use of public transport and non-motorized modes by offering financial assistance for this purpose.
- Construction of Multi-level Parking lots, new Bus Depots & Terminals, construction of new ISBTs/Redevelopment of existing ISBTs to improve the quality of Bus Transport system in Delhi.
- Building capacity (institutional and manpower) to plan for sustainable urban transport and establishing knowledge management system that would service the needs of all urban transport professionals, such as planners, researchers, teachers, students, etc.
- Raising finances, through innovative mechanisms that tap land as a resource, for investments in urban transport infrastructure.
- Reducing pollution levels through changes in traveling practices, better enforcement, strict norms, technological improvements etc.

- Addressing concerns of road safety and trauma response with special focus on pedestrian safety.

[₹ in crore]

| Sector | Annual Plan 2015-16 | | Annual Plan 2016-17 | | Annual Plan 2017-18 |
|----------------------|---------------------|---------------------------|---------------------|----------------|---------------------|
| | Revised Outlay | Expenditure | Approved Outlay | Revised Outlay | |
| PWD | 1610.00 | 1425.14 | 1943.00 | 1146.00 | 1183.00 |
| North DMC | 50.00 | 63.71 [50.00] | 165.00 | 100.00 | 31.00 |
| South DMC | 41.63 | 84.93 [41.63] | 70.00 | 50.00 | 10.00 |
| East DMC | 00.00 | 11.24 [NIL] | 30.00 | 13.00 | 2.00 |
| Transport Department | 2004.37 | 1987.25 | 1735.00 | 1772.00 | 1830.00 |
| Total | 3706.00 | 3572.27 [91.63] | 3943.00 | 3081.00 | 3056.00 |

I. PUBLIC WORKS DEPARTMENT

The budget provision has been kept for this PWD (Capital) is ₹ 1183 cr. for the year 2017-18.

1. Flyovers/Underpass

A. Construction of flyover/underpass between north Mahipalpur bypass to airport road near hanuman mandir new Delhi :-

Due to rapid increase in volume of road traffic and for decongestion of traffic for airport the construction of flyover/underpass between north Mahipalpur bypass to airport road near Hanuman Mandir New Delhi is to be constructed for which the approval of UTTIPEC is yet to be received. Approval from AAI is also awaited. Land acquisition from DDA is also awaited. The project will be completed within two years from date of start. The budget provision of ₹ 35 cr has been kept for this project in the year 2017-18.

B. C/o flyover/underpass at Karawal Nagar, Bhajanpura and Gagan Cinema on Mangal Panday Marg and underpass at Loni Road:-

Keeping in view the signal free movement and reduction in travel time the construction of flyover/underpass at Karawal Nagar, Bhajanpura and Gagan Cinema on Mangal Panday Marg and underpass at Loni Road has been taken under consideration. The project will be started after getting the

approval of UTTIPEC. Approval from DUAC is also awaited. The budget provision of ₹ 20 cr. has been kept for this project in the year 2017-18.

C. C/o under pass at Ashram Chowk:-

Under this project the main focus is to reduce decongestion of traffic on Ashram crossing on ring road. DDA vide their letter dated 14/07/2014 has granted 80% funds under Urban Development Fund (UDF) as per guideline the remaining 20% amount plus escalation amount of ₹ 50 lac was to be sanctioned by Delhi Govt. For the same, estimate was submitted to competent authority The budget provision of ₹ 50 cr. has been kept for this project in the year 2017-18.

D. Flyover at Majnu ka Tilla & Metcalf House on Outer Ring Road:-

Due to tremendous increase in traffic on Outer Ring Road, the flyover at Tilla & Metcalf House on Outer Ring Road is taken under consideration. The budget provision of ₹ 25 crore has been kept for this project in the year 2017-18.

E. East-West Corridor:-

This corridor starting from ISBT Anand Vihar(Road no 56) connecting east Delhi area along the Railway line to the intersection of outer ring road and Rohtak Road (Peera Garhi Chowk) via new Delhi Railway Station. Railway have to be pursued at higher level to allow C/o elevated corridors in their Right of way. The consultant has been appointed for the project and feasibility study is in progress. The budget provision of ₹ 10 cr. has been kept for this project in the year 2017-18.

F. North –South Corridor:-

This corridor starting from Signature Bridge to intersection of Dhaukuan. This will be lead to measure decongestion of traffic in the North-South area of Delhi. Proposal was submitted to UTTIPEC on 26/05/2016 and approval is awaited. The Consultant has been appointed for the project and feasibility study is in progress .The budget provision of ₹ 10 cr. has been kept for this project in the year 2017-18.

2. Signal free movement on outer Ring Road from Vikas Puri to Wazirabad (20 km)

As per Delhi MPD 2021 goals, for signal free movement on Outer Ring Road (ORR) and Ring Road (RR), which are the main arterial roads of Delhi, feasibility studies were carried out by PWD from Vikaspuri to Wazirabad (approx. 20km) on ORR in five different stretches. These stretches of road have got number of intersections which remain always chocked due to very heavy traffic on ORR and RR.

Most of the elevated corridors from Vikaspuri to Wazirabad have been completed during 2016-17 except corridor improvement Wazirabad to Mukerba chowk in which ₹ 20 crore has been kept and in other remaining elevated corridors, some amount has been kept in the year 2017-18 for clearance the pending bills.

The progress of these projects are as under:-

The Major components of Project are as under:-

| S. No | Name of Stretch with length | Length of Elevated Corridor / Details of flyovers | Cost (in crore) | Progress Mar'2016 |
|-------|--|---|-----------------|-------------------------------|
| (i) | Vikas Puri to Meera Bagh (4.30 km) on ORR | Elevated road : 3.30km | 559.60 | Completed and open to public |
| (ii) | Mangolpuri to Madhuban Chowk (3.90 km) on ORR | Elevated road : 2.60km | 423.05 | completed |
| (iii) | Madhuban Chowk to Mukarba Chowk (3.80 km) on ORR | Elevated road : 2.61km | 421.79 | Completed & opened to Traffic |
| (iv) | Mukarba Chowk to Wazirabad (8.00 km) on ORR | 4 Flyovers & 2 loops Total length: 4.09km. Also a new 6 Lane parallel 8.00 Km long divided road on other side of drain. | 633.17 | 95% |
| (v) | Mukarba Chowk to Wazirabad (parallel road from SGT Nagar to Wazirabad chowk) | Parallel road along NH-1 | 200.27 | Completed |

3.Construction of Half Flyovers

This scheme for construction of half flyovers has been launched in the last financial year to avoid traffic congestion. There are two projects, one at "Punjabi Bagh Club and second at Punjabi Bagh west near Janmashtmi Park are under consideration. A provision of ₹ 5.00 crore has been kept in BE 2017-18

4. (1)Corridor improvement of Outer Ring Road from IIT to NH-8
(2) Underpass at junction of BJ Marg and Inner Ring road

The construction of this corridor will ease traffic on the ORR and improve connectivity to central and North Delhi areas from the south. The cost of the project is ₹ 313.67 crore. The work has been started in the November 2013 but delayed

due to tree cutting permission, shifting of services and court cases. Now it will be completed by the end of 2018. A provision of ₹ 150 crore has been kept in the year 2017-18 for the said projects.

5. JNNURM Projects

13 PWD projects approved under JNNURM by Govt. of India, out of which 9 projects have been completed, one project (Karkari Mor) has been fully dropped, 1 project at Noida Mor has been partially dropped wherein, phase-I of this project has been completed while Phase-II of it has been dropped. The remaining two projects as mentioned below are in progress:-

5.1 C/o Signature Bridge and its approach over River Yamuna downstream of the existing Bridge at Wazirabad, Delhi

Construction of Signature Bridge and its approaches over river Yamuna downstream of existing bridge at Wazirabad Delhi is a replacement of existing two lane waziraabad bridge with eight lane bridge connecting north Delhi with Khajori khas in north East Delhi. The direct benefit of this bridge is easing out the flow of traffic between North Delhi and North East Delhi.

The overall progress is 92% and the target for completion of the project is June 2018. A provision of ₹ 100 crore has been kept for this project in the year 2017-18.

5.2 Alignment over Barapulla Nallah Project Phase-II

The project aimed to provide an efficient connectivity for general public by passing through busy Lala Lajpat Rai Path & Mathura road and connecting ring road. The work involves construction of an elevated road corridor of about 3.8 km starting from **Sarai Kale Khan to Jawahar Lal Nehru Stadium in phase-I** has already been completed and further connectivity **from JLN stadium to INA market in Bahaulah Phase-II** is in progress and 98% work of this project has also been completed except three locations (1) at Seva Nagar crossing, (2) near CVC building and (3) at Aurobindo Marg. A provision of ₹ 100 crore has been kept for this project in the year 2017-18. The cost of this project is 530 cr. and target date of completion is 31/12/2017.

6. Alignment over Barapulla Nallah Project Phase-III

The barapulla elevated road project Phase-III has been started in April 2015 from Sarai Kale Khan to Mayur Vihar Phase-I. The work is in progress and 45% work has been completed. There are two hindrances in completion of this projects.

- a. Land 8.5 acre. Is required from farmers which is yet to be acquired
- b. HT line of DTL is to be shifted for which approval has been received recently.

Target date of completion will be one and the half year after acquisition of land. The provision of ₹ 150 crore has been kept for this project in the year 2017-18 and it is not the part of the JNNURM.

7. Road Works

7.1 Road Strengthening/Resurfacing/Microsurfacing

Now the road works of PWD have been divided in four parts to improve riding quality and structural stability of roads. The four parts of the scheme are mentioned below:-

- a. **Strengthening of PWD roads (NH)**:-To improve riding quality and structural stability of roads in NH-10 and NH-24. A provision of ₹ 30 cr has been kept in BE 2017-18.
- b. **Strengthening of PWD roads (RR & ORR)**:- To improve riding quality and structural stability of roads in Ring Road and Outer Ring Road (RR&ORR). A provision of ₹40 crore has been kept in BE 2017-18.
- c. **Strengthening/Resurfacing/Microsurfacing of PWD roads (Arterial Road)**:- To improve riding quality and structural stability of roads in Arterial Roads. A provision of ₹75 crore has been kept in BE 2017-18.
- d. **Strengthening/Resurfacing/Microsurfacing of PWD roads (Roads with Right of way less than 30 meters)**:- To improve riding quality and structural stability of roads with right of way less than 30 metres. A provision of ₹75 crore has been kept in BE 2017-18.

8. Street-scaping of roads

Roads in Delhi needed improvements to make user friendly by providing street furniture and other amenities side by side creating good landscaping & horticulture works. The stretches of roads were identified in consultation with various road owning departments.

Street scaping and beatification of PWD roads without deteriorating traffic conditions will be made. 11 important stretches of roads have been identified for taking up improvement for providing barrier free pedestrian and other amenities and creating good land-scaping and horticulture work. The Budget provision of ₹ 20 crore

has been kept for 11 Nos. of identified Roads (70 Km) and Other PWD roads (150 Km) in the year 2017-18.

9. Foot Over Bridges

Under this scheme, Foot Over Bridges are being constructed on important roads like Ring Road and Outer Ring Road as per the requirement of pedestrians at particular locations. Subway Committee of Govt. of Delhi examines the requests for construction of FoBs depending upon the actual requirement and feasibility. A provision of ₹ 800 lakh has been kept for foot over bridges in the year 2017-18. Following foot over bridges has been taken under construction in the year 2017-18:-

- I. C/o foot over bridge at Saket Metro Station, saket i/c electrical works on MB Road.
- II. C/o foot over bridge with staircase & lifts for pedestrians across main Najafgarh road, adjoining Janakpuri (West), Metro Station.
- III. C/o foot over bridge with staircase & lifts for pedestrians at Swaran Park, Mundka between Metro Pillar No. 487-488.
- IV. C/o foot over bridge on Ring Road at Sanyas Ashram, Bela Road/Sanskrit Maha Vidhalaya, near ISBT, Kashmere Gate.
- V. C/o foot over bridge with staircase & lifts for pedestrian at Africa Avenue near Mohammad Pur Village.
- VI. C/o FOB at Kamal T-point (near restaurant) New Rohtak Road.
- VII. C/o foot over bridge at Road over bridge at Road No. 37 near Inder Lok Metro Station.
- VIII. C/o foot over bridge with staircase & lifts for pedestrian at Ullan Bator Mar.
- IX. C/o foot over bridge with staircase & lifts for pedestrians across patel Road adjoining Kirti Nagar metro station.

10. C/o of sky walk and foot over Bridge at W point & ITO junction:-

This project is for safe pedestrian movement at W point & ITO junction. The project is likely to start in Oct 2017 and to be completed by Dec 2018. Ministry of Urban Development has approved the sanction of fund from the urban development amounting to ₹ 43.47 crore (80% of ₹ 54.34 crore excluding cost of land) and a balance of ₹ 11.37 crore is to be borne by PWD, GNCTD for which expenditure sanction is sought form the competent authority, GNCTD.

The budget provision of ₹ 15 cr. has been kept for this project in the year 2017-18.

11. Improvement of Ring Road from Salimgarh bypass to ISBT:

To decongest traffic at ISBT Improvement of Ring Road from Salimgarh bypass to ISBT the said project has been taken into consideration. The budget provision of ₹ 5 crore has been kept for this project in the year 2017-18.

12. LED Screens

It is proposed to install LED screens at road crossing and other important locations for displaying Government messages and information for general public. These LED screens will be used for the displaying the information regarding pollution level/social messages/ traffic messages and any other information in the public interest as approved by the competent authority time to time. The ownership of project will be with PWD.

A Budget Provision of ₹ 25 crore has been kept in this financial year i.e. 2017-18.

13. CCTV Cameras

It is proposed to install CCTV cameras at various locations in streets, market and common public places for general safety of public and especially for safety of women. A Budget Provision of ₹ 130 crores has been kept in the year 2017-18.

14. Street light on dark spots

About 40,000 dark spots have been identified on 421 road stretches in Delhi. The Work of reducing dark spots on roads is in progress and shall be completed in this financial year. Provision of ₹ 40 crore has been kept in this financial year i.e. 2017-18.

II. DELHI MUNICIPAL CORPORATIONS

1. ROADS & BRIDGES

To overcome the frequent traffic congestions and chaos, it is proposed to construct over bridges, grade separator, subways, widening of roads, improvement in riding quality, construction of central verge, footpath, improvement of geometric of intersections, signalization of intersections etc. A Budget Provision of ₹ 1600 Lakh has been kept for “Urban roads” in the year 2017-18.

| [₹ in Lakh] | | |
|-------------|-----------------------------------|---------------------|
| S. No. | Agency | Plan Outlay 2017-18 |
| 1. | North Delhi Municipal Corporation | 1000 |
| 2. | South Delhi Municipal Corporation | 500 |
| 3. | East Delhi Municipal Corporation | 100 |
| | Total | 1600 |

2. CRF: ROAD PROJECTS

Under CRF, works approved by MORT&H, Government of India are being implemented. CRF Scheme is a project specific schemes and funds received from Govt. of India on reimbursement basis. A Budget Provision of ₹ 700 Lakh has been kept for “CRF” in the year 2017-18.

| [₹ in Lakh] | | |
|-------------|-----------------------------------|---------------------|
| S. No. | Agency | Plan Outlay 2017-18 |
| 1. | North Delhi Municipal Corporation | 100 |
| 2. | South Delhi Municipal Corporation | 500 |
| 3. | East Delhi Municipal Corporation | 100 |
| | Total | 700 |

3. C/o ROB/RUB

A Budget Provision of ₹ 2000 Lakh has been kept under “ROB/RUB” for local bodies as detail below in the year 2017-18

| [₹ in Lakh] | | |
|-------------|-----------------------------------|---------------------|
| S. No. | Agency | Plan Outlay 2017-18 |
| 1. | North Delhi Municipal Corporation | 2000 |
| 2. | South Delhi Municipal Corporation | NIL |
| 3. | East Delhi Municipal Corporation | NIL |
| | Total | 2000 |

Physical Targets and Achievements

The main objective is to improve Traffic Movement. A Scheme for Construction of 17 ROB/RUBs amounting to ₹ 42800 lakh was included in year 2008 by MCD. Following 17 Railway level crossings to be converted into ROB/RUBs.

(i) Vivek Vihar (ii) Sarai Kale Khan (iii) Sewa Nagar (iv) Bijwasan (v) Nihori Road, Narela (vi) Shakur Basti (vii) Kirti Nagar – Prem Nagar (viii) Samaypur Badali (ix) Swarn Park (x) Rampura (xi) Zakhira (Daya Basti (xii) Mundka (xiii) Sanjay Gandhi Transport Nagar (xiv) Mangolpuri (xv) Sultanpuri (xvi) Roshanara garden and (xvii) Kirari Narela.

Out of 17 ROB/RUBs, 2 projects have been dropped and for remaining 15 ROB/RUBs, 12 ROB/RUB have been constructed by North DMC and 2 RUB/ROB by South DMC and only 1 by East DMC. The estimated cost of works is ₹ 430 crore, which has been revised to ₹ 625 crore, out of which 50% cost is being shared by Railways and rest 50% money is being contributed by Govt. of NCT of Delhi in the form of Grant-in-aid.

III. TRANSPORT DEPARTMENT

1. PLANNING AND MONITORING CELL

It is proposed to strengthen this cell in the areas of Transport Planning and Research. The main activities proposed are collection, compilation and publication of transport related statistics and their analysis for policy changes and new policy initiatives, appraisal of schemes/projects. In this regard a detailed review of all the studies commissioned by the Transport Department will be carried out for formulating the plan of action.

As far as scientific approach in planning for long term and short term measures, it is necessary to have a validated data base which is regularly updated. The Planning and Monitoring Cell will maintain data such as vehicle registration, traffic volume, trip information, parking, movement of public transport, pollution level norms, accidents, enforcement and all other aspects of transport. A Budget Provision of ₹ 1 Lakh has been kept for "Planning and Monitoring cell" in the year 2017-18.

2. MOTOR DRIVING TRAINING SCHOOLS

The objective of this scheme is to impart training in driving skills to potential drivers and also upgrade the skills of existing drivers on scientific lines by employing modern equipments and highly trained instructors. Annually the licensing authorities in Delhi issue about 5 lakh driving licenses. In view of this, during the 10th Plan a new initiative was taken by the Transport Department for establishing premier motor training schools in the Delhi in the PPP mode. So far 3 schools have been established under this scheme:-

1. IDTR (Institute of Driving Training and Research), Loni Road, managed by M/s Maruti Udyog Ltd.
2. MDTS (Sarai Kale Khan) as an extension of IDTR Loni Road managed by M/s Maruti Udyog Ltd. Loni.
3. DTI (Driving Training Institute) Burari as a society managed by M/s Ashok Leyland Ltd.

The above initiative taken in the 12th Five Year Plan will be continued to open more Premier MDTS in PPP mode. During 2017-18, it is proposed to initiate action to set up a world class MDTS with state of the art facility. Already DDA has allotted land at Dwarka and Jhuljhuli Najafgarh. In addition to the above, it is also proposed to assist DTC for upgrading its Drivers Training School at Nand Nagri.

All Heavy Vehicle Driving License holders have to compulsorily undergo a refresher course at MDTS before getting the licenses renewed after 3 years. MDTS will be conducting suitable training programmes for which assistance will be provided under this scheme. A Budget Provision of ₹ 100 Lakh has been kept for “Motor driving training school” in the year 2017-18.

3. ROAD SAFETY & GIA to NGOS

Delhi has witnessed a phenomenal increase in both human and vehicular population during the past few decades. Ever-increasing number of road users competing for space on a road network has been the major threat for the safety on Delhi roads resulting into frequent road accidents, causing injuries and fatalities. The issues of managing traffic and ensuring safety on Delhi roads have become a major concern for all stakeholders. Road accidents create negative impact on the economy, public health and the general welfare of the people.

The Hon'ble Supreme Court has constituted the Committee on Road Safety on 22nd April, 2014 to monitor the steps taken by the Centre and State Governments to ensure road safety & to curb growing number of accidents. The Committee is monitoring the implementation of the road safety measures and compliance of its directions for the protection of commuters in the Country.

The State Road Safety Council was earlier constituted under the chairmanship of Commissioner (Transport) in 2005. However, on the directions of the Supreme Court Committee on Road Safety, the Government of NCT of Delhi has re-constituted the State Road Safety Council on 07.07.2017 under the Chairpersonship of Hon'ble Transport Minister, Govt. of Delhi to assure coordination among various agencies for safety of pedestrian, Non Motorized vehicles, Motorized vehicles & Road users, to assure safety measures for Road users and facilities for design for engineering, re-engineering, repair etc. on technical standards and to assure placing of signages on exact and effective places.

The District Road Safety Committees have also been established vide notification dated 17.06.2014 in all the eleven revenue districts of Delhi headed by the Deputy Commissioner of each district comprising Deputy Commissioner of Police; Deputy Commissioner Police (Traffic); Superintending Engineer (PWD); Superintending Engineer (MCD/NDMC); Superintending Engineer (DDA); Additional CDMO (Health); Deputy Director (Education); Motor Licensing Officer (Transport) of each district concerned as its Members and Additional District Magistrate Convener/Member of each district concerned. The District Road Safety Committees are performing the functions related to Road safety measures at the district level.

The Govt. of Delhi is taking various initiatives & will make sincere efforts in ensuring safe and efficient flow of traffic on the roads of Delhi through road safety education, improvement in road infrastructure with strict enforcement of traffic rules & regulations etc. in coordination with and association of all stakeholders and government agencies.

Under this scheme, Delhi Govt. has deputed Home Guards/Civil Defence Volunteers as “Marshals” in all DTC (evening and night shift) to allay the fear of crime and assure the safety and security of women commuters. The major portion of funds under the scheme on Road Safety is being utilized for the payment of their services. There is a proposal to deploy these Marshals in Cluster buses also.

Further for promoting and spreading the awareness of road safety in public, Road Safety Week is being celebrated by the GNCTD in the month of January every year as per the directions of MoRTH, Government of India. The events relating to participation in Perfect Health Mela and India International Trade Fair (IITF) are organized under this scheme.

A Budget Provision of ₹ 5000 Lakh has been kept for “Road Safety & GIA to NGOs” in the year 2017-18.

4. CONSTRUCTION / RENOVATION OF ZONAL OFFICE

At present, work related to issue of driving licenses and registration of vehicles is being done through all Zonal Offices. The construction/renovation work of Zonal offices is carried out under this scheme. Zonal office in Sukahdev Vihar has been constructed during pervious year. CCTV cameras will be installed in all zonal offices. A Budget Provision of ₹ 1400 Lakh has been kept for “Construction/Renovation of Zonal Office” in the year 2017-18.

5. INSTALLATION OF CCTV CAMERAS IN DTC & CLUSTER BUSES

A scheme for installation of CCTV cameras in DTC & Cluster Buses has been introduced to strengthen women safety and security in the buses. CCTV cameras in 200 DTC buses has already been installed on pilot basis . A provision of ₹ 9000 lakh under state plan and ₹ 1000 lakh under CSS has been kept for “installation of CCTV cameras in DTC & Cluster Buses” in the year 2017-18.

Transport Department GNCTD has requested to Ministry of Women, Child & Development, Govt. of India (GOI) to grant funds under the “Nirbhaya Fund” for installation of CCTV devices in DTC and Cluster buses under the CSS during 2017-18. Government has decided vide cabinet decision no. 2483 dated 20/06/2017 to install CCTV cameras in 6350 buses by 3 CCTV cameras in every DTC and cluster buses for implementation of initiatives aimed at enhancing the safety and security for women.

6. MASS RAPID TRANSIT SYSTEM (MRTS)

A Budget Provision of ₹ 115600 Lakh has been kept for “MRTS” in the year 2017-18 is as under:

| (₹ in lakhs) | |
|--|------------------------|
| Details | Plan Outlay 2017-18 |
| Equity | 20200.00 |
| Reimbursement of sales tax/other charges | 56000.00 |
| Reimbursement of Central Taxes | 39400.00 |
| TOTAL | 115600.00 |

The basic objective is to provide the much needed mass rapid transport infrastructure facility for entire Delhi areas and also to provide the interchange facility from peripheral routes to the radial metro routes.

The third phase of Delhi Metro would be completed by December 2018. The total metro network of Delhi for phase-III is as under:-

The proposed lines of Phase-III & Extensions are :-

| S. No. | Corridor | Length Kms. | Cost (₹ in crore) with taxes | Target date for completion |
|--------|--|---------------|------------------------------|----------------------------|
| 1. | Mukundpur - Shiv Vihar | 58.41 | 35523.78 | April, 2018 |
| 2. | Janakpuri west Munirka -Kalka Ji - Kalindikunj | 33.49 | | December, 2017 |
| 3. | Central Sectt. - Mandi House - Kashmiri Gate | 9.37 | | Commenced |
| 4. | Jahangirpuri - Badli | 4.49 | | Commenced |
| 5. | Dwarka - Najafgarh | 5.50 | 1070.00 | December, 2018 |
| 6. | Delhi Portion of Bahadurgarh (Mundka to Bahadurgarh) | 6.307 | 1079.00 | December, 2018 |
| 7. | Najafgarh to Dhansa | 1.18 | 565.00 | December, 2020* |
| | Total | 118.75 | 38237.78 | |

*The project has recently approved so it will be completed by Dec. 2020

Out of the 118.75 km of phase III, 55.02 Km is underground and 63.73 km is elevated/at grade. The capital cost of these corridors including taxes will be ₹ 38237.78/- crore for 118.75 Km stretch. The whole Phase-III project is expected to be completed by the end of December, 2018. For improving the metro ridership feeder services are also being strengthened by DMRC.

The Govt. of NCT of Delhi and Govt. of India has approved the DMRC Phase-IV project of 103.93 kms which will be expected to be completed in the year 2020-21. The proposed phase-IV corridors of Delhi Metro are as below:-

| S. No | Corridors | No. of Stations | | | | Length (km) | | | Capital Cost (₹ In Crore) |
|--------------|--------------------------------------|-----------------|-----------|-----------|-----------|--------------|--------------|---------------|---------------------------|
| | | Under ground | Elevated | At Grade | Total | Under ground | Elevated | Total | |
| i) | Rithala - Bawana - Narela. | 00 | 16 | 00 | 16 | 0.00 | 21.73 | 21.73 | 7836 |
| ii) | Janak Puri West to R.K. Ashram | 07 | 18 | 00 | 25 | 7.74 | 21.18 | 28.92 | 14522 |
| iii) | Mukundpur to Maujpur | 00 | 06 | 00 | 06 | 0.00 | 12.54 | 12.54 | 4476 |
| iv) | Inderlok to Indraprastha | 10 | 00 | 00 | 10 | 12.58 | 0.00 | 12.58 | 8421 |
| v) | Aero City to Tughlakabad | 10 | 05 | 00 | 15 | 14.62 | 5.58 | 20.20 | 11330 |
| vi) | Lajpat Nagar to Saket G Block | 01 | 05 | 01 | 07 | 2.07 | 5.89 | 07.96 | 3018 |
| Total | | 28 | 50 | 01 | 79 | 37.01 | 66.92 | 103.93 | 49603 |

7. MODERNISATION OF INFRASTRUCTURE FOR CERTIFICATION OF ROAD WORTHINESS OF VEHICLES

Under the provisions of Motor Vehicle Act, 1988 all Commercial Transport Vehicles are required to carry a valid "Certificate of Fitness" for road worthiness of vehicles without which the registration of the vehicle is treated as invalid. This Certificate is required to be obtained annually from the Competent Authority. Currently there are about 2, 71,985 transport vehicles which require the Certificate of fitness annually. This number will increase to about 3,00,000 vehicles by 2018. This intent to introduce more automated testing lanes so that every transport vehicle may be annually inspected on these automated lanes. The test data generated is automatically stored in computer without revealing test results to the operator to avoid subjective bias. All test equipments are networked. A Budget Provision of ₹ 50 Lakh in revenue and ₹ 100 Lakh in capital has been kept for "certification of road worthiness of vehicles" in the year 2017-18.

8. CONTROL OF VEHICULAR POLLUTION FROM EXHAUST OF MOTOR VEHICLES

This scheme is being implemented with the following objectives:

- To control pollution caused by motorized vehicles plying in Delhi.

- To create awareness amongst the motoring public in particular and public in large about the effects of various vehicular pollutants.
 - To enforce the statutory provision (prescribed in the Central Motor Vehicles Rules, 1989) for periodical pollution control certification on the motor vehicles plying in Delhi.
 - To provide adequate pollution checking and certification facilities in Petrol Pumps and Workshops.
 - To promote Environment friendly fuels viz CNG, LPG, etc.
 - To facilitate enforcement of pollution control related orders of Supreme Court and environment pollution (prevention & control) Authority for the NCR region.
- A Budget Provision of ₹ 540 Lakh has been kept for “control of vehicular pollution from exhaust of motor vehicles” in the year 2017-18.

8.1 Creation of Public Awareness

Following mass awareness activities are proposed for complying with the aims and objectives mentioned above:

- Advertisement in newspapers
- Installation of boards/ panels/kiosks on buses, bus shelters, etc.
- Printing of hand bills and other educational materials
- Holding of educational talks, seminars, workshops, street plays, exhibitions etc.
- Any other activity connected with creation of mass awareness.

8.2 Authorization of PUC Centres and Regulation Thereof

Rule 115(1) of CMV Rules, 1989 requires that every vehicle shall be maintained and driven as to comply with the standards prescribed in Rule 115(2) of CMV Rules, 1989. Rule 115(7) of CMV Rules, 1989 makes it compulsory for every motor vehicle more than one year old to carry a valid PUC Certificate by an agency authorised for this purpose by the State Govt. About 971 Petrol pumps and Workshops have been authorised to check the exhaust emission tuning of pollution vehicles and issue of Pollution Under Control Certificate for both petrol and diesel driven vehicles. Number of Pollution Under Control Certificate (PUCCs) issuing centres are targeted to be increased by 1000 during the year 2017-18.

9. RE-STRUCTURING/ REVIVAL OF DTC (Purchase of DTC buses)

DTC is the largest public transport entity in the NCR transporting about 28 lakh passengers and covering 9 lakh km per day. DTC operates 41,000 trips per day on about 578 city routes and 18 NCR routes. DTC has world largest eco-friendly CNG based fleet operator and thus, has cleaning up the environment of pride of its active contribution towards the city.

In Delhi, DTC will continue to play pivotal role in the multi-modal transit system of public transport apart from metro-rail. It has existing infrastructure of 45 depots. DTC has a current fleet size of 3944 buses comprising 1275 AC low floor buses, 2506 Non-AC low floor buses and 163 are Standard buses. A token Provision of ₹ 1 Lakh has been kept for “re-structuring/revival of DTC” in the year 2017-18.

Modernizing of the Fleet

- In the fleet of 3944 buses, 163 are Standard buses which have almost completed their economic life cycle and are required to be scrapped in order to reduce the running expenditure.
- In order to maintain a healthy transport fleet, DTC has initiated the proposal for procurement of new 1000 buses.

10. DEVELOPMENT OF ALTERNATIVE MODE OF TRANSPORT

The only solution to tackle the present urban transport problems in Delhi is by creating sustainable multi-modal transport such as High Capacity Bus System (HCBS), Monorail and LRT to supplement the Metro Rail and the present DTC and other bus services. Accordingly a plan known as the Integrated Multi-Modal Transit Systems has been approved by the Delhi Govt. for implementation by 2021.

(i) BUS RAPID TRANSIT (BRT)

Seven corridors have been identified under the scheme Bus Rapid Transit. For smooth operation of buses, such road stretches, that create bottlenecks in the running of buses, would be systematically improved through road re-engineering. Preferential traffic signalling for HCBS buses, at intersections, shall be provided to avoid delay at crossings. A token Provision of ₹ 1 Lakh has been kept for “BRTS” in the year 2017-18.

(ii) MONO RAIL

It has been decided by GNCT Delhi that DMRC will execute the first monorail project in Delhi.

DMRC has prepared DPR of the mono rail project for the proposed corridor from Shastri park metro station to Trilokpuri. DMRC has reviewed both the options i.e. (i) Shastri Park to Trilokpuri with Depot at Sanjay lake (11 km) (ii) Shastri Park –Trilokpuri to Mayur Vihar with Depot at Mayur Vihar (15.18 km). The completion cost of option (i) and option (ii) respectively comes to ₹ 2222/- crore and ₹ 2850/-crore. Both the options of funding of this project i.e. DMRC’s pattern of funding as well as PPP/BOT mode of execution of this project have been mentioned in DPR. A token Provision of ₹ 1 Lakh has been kept for “Monorail” in the year 2017-18.

11. DELHI UNIFIED METROPOLITAN TRANSPORT AUTHORITY (DUMTA)

In Delhi, there is a multiplicity of authorities dealing with transport like PWD, MCD, NDMC, DDA, Traffic Police, Railways, Delhi Metro Rail Corporation, NHAI, Transport Department and DTC etc. They are engaged in different activities like construction and maintenance of roads, subways, over bridges, providing of traffic signals, road furniture, enforcement of the Motor Vehicles Act, 1988 and the Rules framed there under etc. In order to bring forth effective coordination amongst various agencies the Central Government in the Ministry of Urban Development has proposed the setting up of a Unified Metropolitan Transport Authority to be called the Delhi Metropolitan Transport Authority through legislation. A draft bill was sent to Ministry of Home Affairs after approval of the Council of Ministers, Delhi. Ministry of Home Affairs took the comments from Ministry of Urban Development, Govt. of India and submitted back to the Transport Department, GNCTD with their suggestions. Now, Transport Department has incorporated the comments of MoUD & MHA for the approval of council of Ministers, Delhi. A Budget Provision of ₹ 1 Lakh has been kept for “DUMTA” in the year 2017-18.

12. STUDIES AND CONSULTANCY SERVICES

For the implementation of MPD 2021, Restructuring of DTC and planning for integration of roads and study of transport demand forecast and development of an integrated multi modal public transport network for NCT of Delhi, number of studies and consultancies will have to be awarded. These studies will be funded under this scheme.

The study is being conducted on route plan for optimum utilization of public transport having last mile connectivity in Dwarka Sub-city under this scheme. The work has been awarded to M/s DIMTS Ltd. A Budget Provision of ₹ 100 Lakh has been kept for “studies and consultancy services” in the year 2017-18.

13. DEVELOPMENT OF BUS TERMINALS AND DEPOTS

The objectives of the scheme are to create bus transport infrastructure for the benefit of the bus commuters. The scheme envisages purchase of land for bus terminals & bus depots and construction of terminals & depots over there. With the new acquisition of bus fleet under cluster scheme (DTC and private entities), Transport Department will require additional bus depots. Due to scarcity of land, the statutory authorities are pressing hard to have multi-level bus depots in place of the conventional bus depots. Improvement of existing depots and terminals are also supported under the scheme. Name of the new bus depots to be constructed during 2017-18 are as follows:-

1. DICHAUON Kalan II South West Distt. (5 acres)
2. Dwarka Sector-22 (10 acres)
3. Bawana Sector-1 (3.75 acres)
4. Rewla Khanpur South-West Distt. (4 acres)
5. Kharkhari Nahar (South-West Distt (5 acres)
6. Rani Khera-I Rohini Phase-V (6.67 acres)
7. Rani Khera-II Rohini Phase-V (6 acres)
8. Rani Khera-III Rohini Phase-V(6 acres)
9. Narela (10 acres)
10. East Vinod Nagar (4.8 acres)
11. Bawana Sector-5 (5 acres)

A Budget Provision of ₹ 10000 Lakh has been kept for “Development of Bus Terminals and Depots” in the year 2017-18.

14. LOAN TO DTIDC

At present, three ISBTs Kashmere Gate, Anand Vihar and Sarai Kale Khan are controlled by DTIDC.

The Anand Vihar ISBT will be rebuilt as per new norms integrating the Bus Stand with Rail and Metro. The old ISBT at Sarai Kale Khan is being rebuilt as a modern ISBT with the change in the development control norms in MPD 2021. The lay out transport integration plan is under consideration of UTTIPEC. Two more new ISBTs, on modern lines, are proposed to be constructed (i) in South-West at Dwarka and (ii) in North Delhi at Narela on PPP mode. Land for both the new ISBT's has been allotted by the DDA. 25% of total expenditure on up-gradation of ISBT Anand Vihar and Sarai Kale Khan has to be met by the Company and 75% loan is promised by NCRPB. Now the Anand Vihar ISBT and Sarai Kale Khan ISBT are under taken by PWD. A token Provision of ₹ 1 lakh has been kept for “loan to DTIDC” in the year 2017-18.

15. OPERATION AND CONTROL CENTRE – PRIVATE BUS CLUSTERS & PIS

Delhi Integrated Multi-modal Transit System Ltd (DIMTS) has been appointed by Government of Delhi to work as Integrated Mechanism under the overall supervision of Department of Transport, Govt. of NCT of Delhi to monitor and manage the restructured private stage carriage bus operations. Operational & control centre is established at ISBT Kashmere Gate to receive real DATA feed from automatic vehicle location system on real time basis. The buses are equipped with GPS device having GPRS connectivity to send real time data to the OCC. From this, location of the bus at any time can be ascertained and this information will be used to give the commuters expected time of arrival of the bus and also used for prosecution purpose whenever any violation is notice. GPS/GPRS System are being implemented in taxis and TSR in Delhi. The system will help for security of the passenger and location of the vehicle will be traced immediately. A Budget Provision of ₹ 100 Lakh has been kept for “operation and control centre-private bus cluster & PIS” in the year 2017-18.

16. VIABILITY GAP FUNDING TOWARDS CLUSTER BUSES:

The Government of NCT of Delhi initiated the Scheme for Corporatization of Private Stage Carriage Service to substitute the Blue line private stage carriage system under Public Private Partnership (PPP) model. Under this scheme, 457 stage carriage bus routes of Delhi have been divided into 17 distinct clusters. Presently 1700 cluster buses are operational in 9 clusters and the procurement of the 1000 new buses under cluster scheme will also be procured in this financial year.

The cluster system is based on a gross-cost model where fleet owners are remunerated on the basis of operational parameters irrespective of the fare box inflow. At the same time, the contract has in-built mechanisms to apply performance deductions in case of non-adherence to clearly enunciated performance benchmarks and also to

reward efficiencies above clearly defined levels of performance. The average higher earning of cluster buses (by 10-15%) compared to DTC buses on the same routes is chiefly attributable to state-of-the-art IT enabled monitoring.

Operational efficiencies and observance of performance benchmarks are monitored by DIMTS as the state government's IM (Integrated Mechanism) at the depots, on the street and at the Operations Control Centre with real-time data from the GPS/GPRS enabled AVLS (Automatic Vehicle Location System) on the location, speed, bus-stop dwell-time etc. of the buses. A Budget Provision of ₹ 40000 Lakh has been kept for "viability Gap funding towards cluster buses" in the year 2017-18.

17. ENCOURAGEMENT OF PEDESTRIAN & NON MOTORISED VEHICLES

A sustainable transport system must provide mobility and accessibility to all urban residents in a safe and environment-friendly mode of transport. This is a complex and difficult task as the needs and demands of people belonging to various income groups are not only different but also often conflicting the pedestrians, bicyclists and non-motorized rickshaws are the most critical elements in mixed traffic. If the infrastructure design does not meet the requirements of these elements all 99 modes of transport operate in sub-optimal conditions, it is possible to redesign the existing roads to provide a safe and convenient environment to non-motorized modes. This also results in improved efficiency of public transport vehicles and enhanced capacity of the corridor when measured in number of passengers per hour per lane. A token Provision of ₹1 lakh has been kept for "encouragement of pedestrian & Non motorised vehicles" in the year 2017-18.

18. CAR FREE DAY

To decongest the traffic as well as to minimize the vehicular pollution in Delhi, the Government of NCT of Delhi is making efforts to control the situation and to minimize the pollution. Govt of NCT of Delhi had decided to observe a Car Free Day on every 22nd day of the every month on various stretches of Delhi to encourage the citizen of Delhi to use the Public Transport Vehicles to minimize the vehicular Pollution. A token Provision of ₹ 1 Lakh has been kept for "Car free day" in the year 2017-18.

19. POLLUTION ANPR

Automatic Number Plate Recognition (ANPR) is a technology used for law enforcement purposes by the enforcement division of Transport Department, GNCTD. A token Provision of ₹1 lakh has been kept for "Pollution ANPR" in the year 2017-18.

20. FEEDER BUS SERVICE/ ELECTRONIC VEHICLE

To promote the use of electric vehicles, the Government will give exemption from payment of road tax on registration of electric vehicles. Govt. of NCT of Delhi decided to introduce / regularize e-rickshaws and feeder service for ensuring the last mile connectivity. A token Provision of ₹1Lakh has been kept for "feeder bus service/electronic vehicle" in the year 2017-18.