

योजना
Planning

दिल्ली विकास प्राधिकरण

अनुभाग MASTER PLAN SECTION

मिसिल संख्या P.1(58)/90-MP

टिप्पणी

पत्र-व्यवहार

विषय

DRAFT MINUTES OF THE TECHNICAL COMMITTEE
MEETING HELD ON 15.10.90

डायरी सं० _____ तिथि _____ किस को भेजी _____ हस्ताक्षर _____
कार्यालय आने की | जाने की

डायरी सं० _____ तिथि _____ किस को भेजी _____ हस्ताक्षर _____
कार्यालय आने की | जाने की

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12/11/90

15-11-90

DELHI DEVELOPMENT AUTHORITY
MASTER PLAN SECTION

Minutes of the Technical Committee meeting held on 15.10.90 at 9.30 A.M. in the Conference Room of Vikas Minar, 5th Floor, Delhi Development Authority, I.P. Estate, New Delhi.

The following were present:

DELHI DEVELOPMENT AUTHORITY:

1. Sh. C. Noronha, Vice-Chairman (in the chair)
2. Sh. W.D. Dandage, Engineer Member
3. Sh. J.C. Ghambir, Commissioner (Plg.)
4. Sh. Santosh Auluck, Chief Architect
5. Sh. S.C. Gupta, Director (DC&P)
6. Sh. R.G. Gupta, Director (TYA)
7. Sh. P.C. Jain, Director (AP&B)
8. Sh. P.N. Gongre, Jt. Director (TYA)
9. Sh. N.K. Aggarwal, Jt. Director (Plg.)
10. Sh. A.K. Gupta, Jt. Director (B)
11. Sh. Bandupadhyay, Jt. Director (Rohini)
12. Sh. Ashok Kumar, Jt. Director (Dwarka)
13. Sh. A.K. Jain, Jt. Director (ZP)
14. Sh. Vijay Risbud, Jt. Director (Narela)
15. Sh. Prakash Narain, Jt. Director (T)
16. Sh. C.P. Rastogi, Jt. Director (WE&SA)
17. Sh. M.N. Khuler, Senior Architect.
18. Sh. B.L. Khurana, C.E. (Electrical),
19. Sh. P.M. Parate, Dy. Director (Plg.)
20. Sh. Shamim Ahmed, Dy. Director (L)
21. Sh. H.S. Sikka, Dy. Director (ZP)
22. Sh. R.C. Aggarwal, Architect, (Rohini)
23. Sh. Anil Barai, Dy. Director (MP) (Convenor)

P.W.D. DELHI ADMINISTRATION:

24. Sh. Hari Ram, Ex. Engineer (PWD XX)
25. M.C.D.
25. Sh. A.P. Shathi, Addl. Town Planner
26. Sh. P.S. Tomar, Asstt. Education Officer For Item No. 1

DE.S.U.

27. Sh. D.K. Suri, Ex. Engineer (Plg. IV)
28. Sh. D.D. Mathur, Advisor, Slum Department, DDA

SPECIAL INVITEES:

EDUCATION DEPARTMENT, DELHI ADMN.

29. Sh. B.D. Bahugona, Dy. Director, Edn. (CW) For Item No. 1

B.P.C.L.

30. Sh. L. Chhabra, Chief Division Manager For Item No. 3

DELHI FIRE SERVICE

31. Sh. G. Jaggi, Dy. C.F.O. For Item No. 5
32. Sh. C.B. Mehta, Plot Holder of Shanker Garden. For Item No. 2

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MINUTES OF THE TECHNICAL COMMITTEE MEETING HELD ON 15.10.90 AT 9.30 A.M. IN THE CONFERENCE ROOM OF VIKAS MINAR, I.P. ESTATE, NEW DELHI UNDER THE CHAIRMANSHIP OF VICE-CHAIRMAN, DDA

Item No.1

Sub : Allotment of land for Middle School
F.18(22)89-Instl.

The issue was discussed in detail and Technical Committee decided that minimum ^{0.4 ha} ~~one acre~~ land be allotted for a primary school. ^{Amended} Further, the primary school sites shown in approved layout plans need not be changed. Such sites which are more than ^{0.6 ha} ~~one~~ acres in area ^{may} be considered for allotment to ^a middle school on the recommendations by Delhi Administration, Education Department. For ~~Secondary~~ and ~~Higher Secondary~~ schools, ^{0.6 hectares} ~~one~~ acres site be allotted whereas for a composite school, as recommended in MPD-2001, ^(3.5 to 3.9 ha) ~~one~~ acres land be considered for allotment. ~~Under~~ The schemes be formulated as per norms given in MPD-2001.

^{As} development ^{middle} Controls for ~~various~~ school sites ^{have not been} are not indicated in MPD-2001, therefore, it was opined that Development Controls applicable for secondary and higher secondary schools, ^{vide MPD 2001} ~~indicated~~ in the MPD-2001 ^{may be} be followed for the construction of building on middle school sites also. Parking norms at the rate of one equivalent car space per hundred sq.mtr. for floor area ^{should} be adopted for such schools.

Item No.2

Sub : Regularisation of 5 plots falling between Shanker Garden Colony (free hold) and Bodella Residential Scheme (Vikas Puri)
F.50(8)69-Bldg.Pt.

This item was discussed in detail for ~~various~~ issues raised by the Members of the Technical Committee

and the ~~petitioners~~. It was opined that this item be again put up in the Technical Committee meeting after Commissioner (Lands) had reported on the status of land of 15 plots regularised by the DDA in 1971 and ^{in respect} ~~the land of these 5 plots~~ ^{as well as} under consideration. The report of Commissioner (Lands) should be ^{made} available within three weeks ^{meanwhile} time. ^{whether these plots form part of the approved layout plan} MCD may also confirm whether the services ^{are} also ^{has been made} available for all these plots, on the basis of the approved service plan. MCD representative may also be invited ^{to that} ~~in the~~ meeting of the Technical Committee ^{at that} when this item ^{will} is to be discussed ^{in due course}.

Item No.3

Sub : New retail outlet at community centre, Preet Vihar, Vikas Marg, New Delhi F.13(156)/86-Bldg.

Director, Building explained the item under reference. After detailed discussion, it was decided that keeping in view the comprehensive scheme of the Community Centre, ^a three dimensional model be prepared by the HUPW indicating the height of the compound wall in front of the shopping area ^{which should not be} not more than 1.23 mtrs. in height. ^{from} and the boundary wall on other sides. ^{the} Scheme should be formulated in such a manner that it merged with the community centre scheme at the same time it conforms to the safety regularisation. The scheme be put up before the Technical Committee as soon as it is finalised.

It was further desired that ~~meanwhile~~ ^{meanwhile} Building Section may further process the case for water connection etc. and the completion certificate be ^{issued} ~~considered~~ only when ~~the issue of~~ the height of the boundary wall is finally decided.

Item No.4

Sub : Guidelines for utilisation of Community service personnel units in the Group Housing Societies Scheme/CHBS/DDA's Scheme/Pool Housing Scheme of various Department of Government & Semi-Government. PA/DD(L)/Bldg./89/14

~~This item was~~ ^D deferred. It was desired that when this item is ^{next} considered, the Registrar Cooperative Societies may also be invited.

Item No.5

Sub : Fire safety guidelines for the low rise shopping cum-office complex with or without basement for storage.

2. Guidelines regarding fire safety measures and means of escape arrangements for the low rise group housing building having basement floor area less than 500 sq.mtrs. F.23(47)/86/Bldg.

After detail discussion, it was opined that clearance of the Chief Fire Officer from the fire safety angle should be obtained in case of all the group housing Cooperative Societies ^{schemes} before issuing the completion certificate. All such cases should be referred by the Building Department for the clearance.

It was also decided that ^{ex} explicit instructions be issued indicating the rights acquired by Cooperative group housing Societies after obtaining D-Form, provisional occupancy certificate (if any), ^{also} and occupancy certificate, as and when issued by the Buildings Department.

It was further opined that ^{when a} ~~in case of the~~ DDA project, ^{is brought up before} ~~when considered~~ by the Screening Committee, a representative of the Chief Fire Officer should also be associated, and based on the guidelines which may be issued by Chief Fire Officer, the Chief Architect should certify that in the project all these guidelines ~~have~~ been followed before such buildings are occupied.

It was felt that the building bye-laws of 1983 are based on 1979 ISI Code and subsequently to it, ISI has issued the revised code. Therefore, the unified building bye-laws ~~in~~ need to be further reviewed in the light of the latest code. It was decided that Engineer Member may convene a meeting, inviting Chief Fire Officer and other concerned officers to thrash out the issues pertaining to fire safety guidelines, keeping in view the provisions made in the revised ISI Code.

It was also opined that DDA should appoint an expert in the field of fire safety regularisation so ~~as~~ all the DDA projects and the schemes should be sanctioned by DDA, could be properly scrutinised at various stages of different level.

Item No.6

Sub : Approval of route alignment for erection of D/C Tower line with ACSE(GGAT) Conductor between Wazirabad II and proposed 33 KV Sub Station at Ashok Vihar
F.6(4)90-MP

Deferred.

Item No.7

Sub : Electrification of sub district centre at Hazi Nagar and Community Centre at Block-J Rajouri Garden

Deferred.

Item No.8

Sub : Comprehensive circulation study of Shahdara Ring Road to Trans-Yamuna Area
F.5(36)75-MP.Pt.II

Deferred.

Item No.9

Sub : Proposed flyovers by DTTEC

Deferred.

Signature

DELHI DEVELOPMENT AUTHORITY
MASTER PLAN SECTION

PA/DD/MP/90/

Dated: 11.10.90

Agenda for the meeting of Technical Committee to be held on 15.10.90 at 9.30 A.M. in the Conference Room of Vikas Minar at 5th Floor, Delhi Development Authority, I.P. Estate, New Delhi.

<u>Item No.</u>	<u>Subject</u>	<u>Page No.</u>
1.	Allotment of land for Middle School. F.18(22)/89-Instl. (Deffered)	1
2.	Regularisation of 5 plots falling between Shanker Garden Colony(Free Hold) and Bodella Residential Scheme(Vikas Puri). F.50(8)69-Bldg.Pt.	2 -3
3.	New retail outlet at community centre, Preet Vihar, Vikas Marg, New Delhi. F.13(156)/86-Bldg.	4-5
4.	Guidelines for utilisation of community service personel units in the group housing Societies Scheme/CHBS/DDA's Scheme/pool Housing Scheme of Various Department of Government and semá.Government. PA/DD(L)/Bldg./89/14	6-9
5.	1. Fire safety guidelines for the low rise shopping cum-office complexwith or without basement for storage. 2. Guidelines regarding fire safety measures and means of escape arrangements for the low rise group housing buildings having basement floor area less than 500 sq.mtrs. with or without lift. F.23(47)/86/Bldg.	10-11

Item No. 1

Sub:-Allotment of land for Middle School.

F.18(22)/89/Instl. (Deferred).

In MPD-62 as well as MPD-2001 there is no provision of standar for allotment of a site for middle school however, Delhi Development Authority has been allotting land for the purpose of Middle School.

2. The site earmakred for Primary school varying between 1.5 acres to 2.5 acres were generally recommended to be allotted with a break up of 50% of the site area for playground purpose and 50% for building purpose.

3. In MPD-2001 the Primary School sites size is 4000 sq. mts. (1 acre) while in most of the approved schemes the size of the Primary School sites is as per norms prescribed in MPD-1962 i.e.*6 hecets to 1 hecets.

4. The matter is placed before the Technical Committee for the consideration.

- i. If Middle Schools are to be considered for allotment of sites.
- ii. If yes then the quantum of land to be allotted with its break up.
- iii. Whether the plans already approved would require modifications in the site areas for such facilities conforming to the norms prescribed in MPD-2001.

per norms prescribed in MPD-1962 i.e.*6 hecets to

Item No. 2

Sub:-Regularisation of 5 plots falling between Shanker Garden Colony (Free Hold) and Bodella Residential Scheme (Vikas Puri).

F.50(8)/69-Building Pt.

The above subject matter was considered under Technical Committee meeting held on 16.7.90 wherein following decision was taken:

"The Technical Committee noted that these 5 plots were not the part of the original approved layout plan of Shanker Garden, nor these were forming part of the plan approved by the Municipal Corporation of Delhi. It was further noted that while formulating the Vikas Puri residential Scheme only those lands were taken into consideration which did not form part of the approved scheme of Shanker Garden. In Vikas Puri Residential Scheme the land use was shown for a park and therefore, the same should be followed. Technical Committee, further desired that in case there is some land which still remains unacquired and is to be developed as a park, necessary action should be taken by the Lands Section for their acquisition".

2. Shri C.B. Mehta, one of the plot owners vide his letter dated 23.8.90. addressed to V.C/DDA has stated:

- i. That in the services design chart of Shanker Garden Colony as approved by M.C.D. these plots were included.
- ii. The services as approved by M.C.D. in the year 1959 vide its resolution No.9 dated 23.6.1959 were laid down by the coloniser while in the set-back-cum-demarkation plan released by DDA in the year 1971. These plots were shown as park.
- iii. As per the decision of the Technical Committee that the land use in Vikas Puri Residential Scheme was shown as park which has already been developed and their plots were shown park in the plan approved by DDA while releasing the Building activity in the year 1971 and has further stated that the acquisition of these fully developed

plots in terms of services as approved by MCD at this stage can not be adjusted in the Vikas Puri Residential Scheme.

3. The case is placed before the Technical Committee for re-consideration.

Sub:-New Retail outlet at Community Centre, Preet Vihar, Vikas Marg, New Delhi.
F.13(156)/86:-Bldg.

A reference was received from Chief Divisional Manager, Bharat Petroleum Corporation Ltd., dated 22.8.90 for issue of 'C' Certificate for the Petrol Pump located in Preet Vihar Community Centre. The inspection was carried out by Vice-Chairman DDA, Engineer Member, C.E.(EZ), SEs, Director (Hort.) and Joint Director (TYA) and it was observed that the boundary wall constructed around the petrol pump in this area was not according to the prescribed height and desired that the action should be taken to get it modified as per building bye-laws and architectural control. It was also observed that structures in the community centre have come up, however, development works have not been undertaken. V.C. desired that the plan for development should be made available by the Chief Architect and Development works expedited.

2. Therefore, when the representative of M/s BPC met VC on 25.11.88 the VC again observed that the height of the boundary wall of the petrol pump be reduced to the level of sanction plan, i.e. 1.83 mtrs. Accordingly, the height of 1.83 mtrs. was marked by the concerned staff of the Building sanction on 28.11.88 so that M/s BPC could demolish the excess height. The Baharat Petroleum Corporation was again asked to rectify the boundary wall a number of times.

3. Accordingly, to the NOC dated 11.3.87 issued by DCP(Licencing) the boundary wall of 2 metres. height with fencing over the wall is to be provided. On the basis of the wall, the Chief Divisional Manager, BPC has requested for retaining the height of the boundary wall as 2 mtrs.

4. The building bye-laws of 1983 under bye-laws 14.17 provides as under:

a. Except with the special permission of the Authority the maximum height of the front compound wall shall

be 1.5 m. above the centre line of the front street.

b. The rear and side compound walls shall not have height more than 2.2.m above the central line of the service road in case it exists, otherwise 2m shall be measured above the central line of the front street. In the case of row-housing scheme the front boundary wall shall include the portion of the side boundary walls from boundary line to building line.

c. In case of a corner plot the height of the boundary wall shall be restricted to 0.75 m for a length of 5 m on the front and side of the intersections and the remaining height of 1.5 m shall be made up of railings.

d. However, the provision of (a), (b), and (c) are not applicable to boundary walls of institutional buildings like jails, sanatoria, hospitals,

Industrial buildings like workshops, factories and educational buildings like Schools, colleges, including the hostels.

e. no building boundaries shall be surrounded by barbed wire fence, prickly pear or other objectionable plant or milk hedge.

Note:-

The above provision shall not apply to the buildings/areas where boundary walls are forbidden or specific height has been recommended by the Authority or as per comprehensive plan/Zonal Plan/Master Plan regulations.

5. The said retail outlet is located in the preet Vihar Community Centre for which a comprehensive scheme has been formulated by HUPW, DDA. VC, DDA has opined that the matter be placed before the Technical Committee and representatives of BPC may also be invited in the said meeting.

6. The matter is accordingly placed before the Technical Committee for its consideration.

Sub : Guidelines for utilisation of Community Service Personnel units in the group Housing Societies Scheme/GHBS/DDA's Scheme/Pool Housing Schemes of various Deptt. of Govt. & Semi-Government.

PA/DD(L)/Bldg./89/14

The provision of Service Personnel Units in Cooperative Group Housing Schemes is based on the stipulations made in the Master Plan of Delhi. Accordingly, 5% of the total number of dwelling units is required to be provided for S.P. Units in the Cooperative Group Housing Schemes. The societies having area less than 2 acres are not insisted upon for the provision of S.P. Units in their schemes.

2. The provision of service personnel units @ 2% of the total land to accommodate 5% of the total population under the service personnel housing scheme is also made on the plots earmarked in co-operative House Building Societies areas, DDA's scheme and the Pool Housing Schemes constructed by various departments of Government and Semi-Government. These pockets revert back to the Authority from the House Building Societies along with other areas earmarked for community facilities etc.

3. The then Lt. Governor, Delhi has approved following policy for lands/pockets revert back to the Authority from the house building societies along with other areas earmarked for community facilities etc.

a. As these pockets revert back to the Authority, it would be feasible to construct the service personnel housing schemes in each pocket by the Authority as the housing scheme for this category of the people.

b. After the identification of the sites, as the services are already available, the layout plan and the building plan should be taken up immediately to construct these schemes and the houses so constructed should be offered to the identified group of the people under the service personnel housing such as washerman, chowkidar, gardner, barber, sweeper, electrician plumber, etc. to serve to various pockets/colonies, by the housing department on easy terms.

...contd... 2/-p.

c. There is no need to have a separate/independent registration scheme for such people but the people already registered with the Authority under the Janta category falling in these classified categories could be asked to apply for these houses once constructed.

d. The size of the DU for service personnel housing was designed keeping in view the size already decided equivalent to a built space on 26 sq.mt. size of plot area. While formulating the scheme possibility may also be explored to prepare the layout plan of such pockets, wherever feasible, to provide standard size plots (26 sq.mts.) with a standard design which may be offered and can be adopted by the individual to build a flat with his own resources.

4. The policy about the utilisation of the service personnel units in Cooperative Group Housing Societies has also been approved by the then Lt. Governor, as follows :-

a. 2% of the land to accommodate 5% of the DUs, is provided in each layout plan of more than 2 acres in size. The layout plan of group housing societies have been approved on the basis of 60 DUs per acre, thus the number of service personnel units wherever provided would be minimum 8.

b. In each group housing society, the design of DUs/flats, elevational treatment architectural control are different, therefore, it is important that the service personnel housing should be designed so as to merge with the concept of individual group housing/society. Therefore, each society should be asked to prepare and get the service personnel housing scheme approved under the building bye-laws on the basis of the norms of service personnel housing.

c. After the approval of the service personnel housing scheme a society may be given an option to build these flats with their own funds for the persons covered under the service personnel category to serve their society.

d. The society would be allowed to allot these service personnel housing flats to the persons of this category either on cash down basis rental basis, licence basis or on high purchase basis. The guidelines to be prescribed by DDA are asked the societies to keep informed of the action taken by the societies in accordance with the guidelines.

5. Further the utilisation of the service personnel units was deliberated at length. The proposal made in agenda was agreed to in principle and the following recommendations were made:

i) The service personnel units will be constructed by the society out of its common funds. These units will be treated under 'common area' and facilities' as per Delhi Apartment Ownership Act, 1986 clause-3 (j) (iv) of Chapter-I and will not be disposed of by transfer or on sale basis. These units/building will be utilised for lodging of persons employed for the management, administration, maintenance and safety of the property including offices and residences for care takers, watchman, janitors and of other persons engaged and employed in the management, administration, maintenance and safety of the property as per Appendix-III, Bye-Laws of Apartment Owners Association, Clause-2(viii) (d). The licence fee for the lodging of such persons mentioned above will be governed with Government of India rules for allotment of staff quarters.

ii. The societies which are having area less than 2 acres and do not provide S.P. Units, the deficiency charges on 2% of the area of the total land will be charged at pre-determined rate.

iii. The societies which are having area more than 2 acres and do not provide S.P.Units, the deficiency charges on 2% of the area of the total land will be charged at 3 times the pre-determined rate.

iv. The utilisation of the S.P.Units area for regular DUs will be charged on equivalent land component i.e. 67.45 sqm. as share of an individual member at 3 times the pre-determined rate.

v. The utilisation of S.P. Units area for commercial purposes other than cooperative stores, bank extension counter, community hall/centre, club and society office will not be allowed. The conversion of S.P.Units area into cooperative stores, bank extension counter, club, community hall/centre and society office being facility to the society as a whole will not be charged. The area for these uses will be @ 2 sqm. per DU or 300 sqm. whichever is more and will be counted in the FAR and ground coverage calculations. This has been derived from a number of references being received from the bigger societies to increase

the area of community hall/centre from existing norms of 300 sqm. irrespective to the size of the society.

6. The matter is placed before the Technical Committee for its consideration.

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI-1

No. F6/DFS/MS/90/139

Dated 2.2.90

FIRE SAFETY GUIDELINES FOR THE LOW RISE SHOPPING CUM OFFICE COMPLEX WITH OR WITHOUT BASEMENT FOR STORAGE

1. ACCESS: (a) The said complex shall be located on a main road having width not less than 6 meter.

(b) Main entrance to the premises shall be of adequate width to allow easy access to the fire engines and in no case it shall measures less than 5 meters. The entrance gate shall fold back against the compound wall of the premises thus leaving the exterior access way with in the plot, free for movement of fire service vehicles. If archway is provided over the main entrance the height of the archway shall not be at a height less than 4 meters.

2. OVERHEAD WATER STORAGE TANK: An overhead water storage tank, capacity 5,000 ltrs. minimum, exclusively for fire fighting purposes shall be constructed. The overhead tank capacity shall be increased and shall be calculated @ 1000 litres for each 100 sq.m. covered area. Suitable replenishment arrangement shall also be provided (or 1,00,000 ltrs. which ever is less)

3. PORTABLE FIRE EXTINGUISHERS: One Water Gas Pressure type fire extinguisher capacity 9 ltrs ISI mark or one Carbon Dioxide fire extinguisher capacity 4.5 kg. shall be provided per 150 sqm area or part there of at each floor. But minimum two fire extinguishers shall be provided at each floor.

4. ILLUMINATED EXIT SIGNS: Illuminated Exit Signs in the stair cases / Corridors shall be provided near each exit.

5. COMPARTMENTATION: Fire resisting fire/smoke check door of 1/2 hour to one hour shall be provided to segregate staircase. All the electrical pipe shafts and other apparatus shall be sealed horizontally and vertically. In case of lift, steel sliding door of 2 hour rating shall be provided in place of collapsible doors.

6. STAIRCASE: The staircase shall be located at the external wall and natural ventilation shall be ensured.

The width of the staircase shall not be less than 1.25 m with 30 mm treads and 15 mm riser. The staircase shall open at terrace.

In case of single staircase, it shall terminate at ground floor level and the access to the basement shall be by a separate staircase.

The staircase shall not be arranged round a lift shaft

Additional staircases shall be provided as per Building Bye laws 1983.

7. AUTOMATIC SPRINKLER SYSTEM: Automatic sprinkler system shall be provided in the following cases:

- i. Above 500 sqm of Basement
- ii Above 750 sqm shopping areas

In this case, the capacity of overhead water storage tank shall not be less than 20,000 ltrs.

FIRST AID HOSE REEL: First Aid Hose Reel with 30 meter of hose reel tubing having a bore of 20 mm and terminating into shut off nozzle of 5 mm outlet shall be provided on a revolving drum shall be provided in the staircase lobby/corridor at each floor including basement. The system shall conform to IS 884 Boosting arrangement shall also be provided.

9. **ELECTRICAL WIRINGS:** The distribution cables/wirings shall be laid through metal conduits, preferably concealed type with access for inspection. Earth leakage circuit Breaker shall be provided.

10. **MINIATURE CIRCUIT BREAKERS:** To eliminate the risk of fire due to electrical short circuits of sustained overloads, it is a MUST to install miniature circuit Breaker of appropriate current rating on suitable company made distribution Boards; Consumer Units for safety and protection of electrical installations in the building. The miniature circuit breaker must bear IS 8828-1978 certification mark.

NOTE: The above guide lines are only applicable to the low-rise complex having Ground floor for shopping and upper floors for office or commercial purposes with plot area less than 1,000 sqm. The plot area more than 1,000 sqm the drawings shall be got approved by Chief Fire Officer for detail fire safety recommendations.

sd/-

CHIEF FIRE OFFICER
DELHI FIRE SERVICE.

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI

No. F6/DPS/MS/90/CGH/ 1218.

15.2.90

Sub: - GUIDELINES REGARDING FIRE SAFETY MEASURES AND MEANS OF ESCAPE ARRANGEMENTS FOR THE LOW-RISE GROUP HOUSING BUILDINGS, HAVING BASEMENT FLOOR AREA LESS THAN 500 M² WITH OR WITHOUT LIFT.

1. ACCESS:
Main entrance to the premises shall be of adequate width to allow easy access to the fire engines and in no case it shall measure less than 5 metres. The entrance gate shall fold back against the compound wall of the premises thus leaving the exterior access way within the plot, free for movement of fire service vehicles. If archway is provided over the main entrance the height of the archway shall not be at a height less than 4 metres. All the passages around the bldg shall be constructed of hard surface capable of taking the load of fire appliances weighting upto 4 tons.
2. PORTABLE FIRE EXTINGUISHERS:
 - a. A fire point comprised of one water gas pressure type fire extinguisher capacity 9 litres. ISI mark and one carbon dioxide fire extinguisher capacity 4.5 Kg. ISI mark shall be installed near staircase on the ground floor at each block.
 - b. A Fire extinguisher carbon dioxide type of 6.8 kg. capacity ISI mark mounted on wheeled trolley shall be installed in the electric sub-station.
 - c. A fire extinguisher carbon dioxide type of 4.5 Kg. capacity ISI mark shall be installed in the diesel generator room.
 - d. A fire extinguisher carbon dioxide type of 6.8 kg. capacity ISI mark mounted on wheeled trolley shall be installed in the lift machine room.
 - e. Fire extinguisher Foam type of 9 litres. capacity ISI mark shall be installed in the parking areas @ one extinguisher per 150 sqm. area or part thereof.
3. ILLUMINATED EXIT SIGNS:
Illuminated exit signs in the stair cases/corridors shall be provided near each exit.

4. COMPARTMENTATION:

Fire resisting fire/smoke check door of $\frac{1}{2}$ hours to one hour shall be provided to segregate staircase. All the electrical pipe shafts and other apertures shall be sealed horizontally and vertically. In case of lift, steel sliding door of 2 hour rating shall be provided in place of collapsible doors.

5. STAIRCASE:

- a. The staircase shall be located at the external wall and natural ventilation shall be ensured.
- b. The width of the staircase shall not be less than 1.25 m with 30 mm treads and 15 mm riser. The staircase shall open at terrace.
- c. In case of single staircase, it shall terminate as ground floor level and the access to the basement shall be by a separate staircase.
- d. The staircase shall not be arranged round a lift shaft.
- e. Additional staircases shall be provided as per Building-Bye-Laws 1983.

6. ELECTRICAL WIRINGS:

The distribution cables/wirings shall be laid through metal conduits, preferably concealed type with access for inspection. Earth leakage circuit breaker shall be provided.

7. MINIATURE CIRCUIT BREAKER:

To eliminate the risk of fire due to electrical short circuits or sustained overloads, it is a must to install miniature circuit breaker of appropriate current rating of suitable company made distribution boards/ consumer units for safety and protection of electrical installations in the bldg. The miniature circuit breaker must bear I.S. 8826-1978 certification mark.

- B₃ -

NOTE:

The above guidelines are only applicable to the low-rise/group housing bldgs. having basement area less than 500 sqm. In case basement area is more than 500 sqm. the plans shall be got approved from the Chief Fire Officer for detailed fire safety recommendations.

Sd/--

CHIEF FIRE OFFICER
DELHI FIRE SERVICE

APPENDIX 'C' TO ITEM NO.4

-C₁-

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001

No.F.6/DFS/MS/90/1492

29.8.90

To

Shri A.K. Gupta,
Joint Director(Bldg.),
EDA, Vikas Sadan,
C-I Block, Building Section ,
INA., New Delhi.

Sub:- Low rise group housing building having basement floor area less than 500 sq. mtrs. with or without basement.

Sir,

This has reference to your letter No.F.23(47)/86/Bldg. dated 8.8.1990.

I am directed to clarify, that the guidelines/already issued by the Chief Fire Officer, Delhi Fire Service vide letter no.F.6/DFS/MS/90/CGHS/218, dated 15.2.90 are applicable to the low rise group housing building where basement is not provided. It is also clarified, that the same guidelines are also applicable to the schemes which were sanctioned earlier the issue of these guidelines.

Yours faithfully,

Sd/-

(GULSHAN JAGGI)
DY. CHIEF FIRE OFFICER-II
DELHI FIRE SERVICE

No. F.6/MS/DFS/88-1282

Dt.:- 29.8.88

From :- The Chief Fire Officer,
Delhi Fire Service,
New Delhi

to :- 1. Jt. Director (Bldg.), DDA, Vikas Saran, New Delhi
2. Chief Architect, NDMC, Palika Kendra, New Delhi
3. Executive Engineer (Bldg.), MCD, Town Hall, Delhi

Sir,

Number of requests are received from the Architects for the issue of No Objection Certificate in respect of the Group Housing Society Buildings which are below 15 mtrs. in height (low rise buildings).

As per the prevailing practice, we had been recommending underground water storage tank of 50,000 litres capacity yard hydrants, portable fire extinguishers for the above mentioned buildings, We are also recommending automatic sprinkler installations and fire/smoke check doors in case of basement area being more than 500 sq.mtrs. This was being done on the lines of Fire Advisory Committee recommendations. Whereas the building Bye-laws, 1983 do not provide any fire safety measures in the low rise residential buildings and where the basement area does not exceed 500 sq.mtrs.

In view of the above, it has been decided that the low rise residential buildings and where the basement area does not exceed 500 sq.mtrs. need not be referred Delhi Fire Service. However, the buildings which are identified at 6.2.4.1 of the building bye-laws and also where the basement area exceed 500 sq.mtrs. shall be examined by this department for the purpose of issue of fire safety directives.

I, therefore, request in future, you should not ask for no objection certificate for the residential buildings below 15 mtrs. in height and where the basement area does not exceed 500 sq.mtrs. from the Delhi Fire Service.

Yours faithfully,
sd/--
CHIEF FIRE OFFICER
DELHI FIRE SERVICE

CC: 1. DCFC-I&II
2. DO 'A' 'B' & 'C'
3. All ADOs

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI

No. F.6/DFS/MS/89/(Misc.)212

Dt. 16.2.89

To :

The Jt. Director (Bldg.)
Delhi Development Authority,
Vikas Sadan, INA,
New Delhi-23

Sub : Water supply schemes belonging to Coop. Group
Housing Schemes of Delhi/New Delhi

Sir,

Please refer your letter No.F.23(47)86/Bldg./23 dt. 24.1.89 on the subject cited above. In this connection, I am to inform you that various group housing societies of low rise in nature had represented their cases with regard to providing of underground static tank and fire hydrants in their society complex with specific references to the bldg. Bye -Laws K.10.2.1 in which the apartment bldgs. below 15m in height are not required to provide static tank for fire fighting and also yard hydrants etc.

In view of the representations the matter was discussed at length with other senior officers of Delhi Fire Service and it was decided that it should not insist for providing underground water storage tanks and yard hydrants in the low rise group housing society bldgs. Accordingly a circular No.F.6(MS/DFS/88-1282 dt. 29.8.88 was issued by the department. Therefore, the water connection schemes for fire fighting in such society bldgs. are not required to be cleared by this deptt.

Yours faithfully,

sd/-
CHIEF FIRE OFFICER
DELHI FIRE SERVICE

HEADQUARTERS : DELHI FIRE SERVICE: NEW DELHI

F C/ DFS/MS/89(Misc.) /834

Dt. :- 15.5.89

The Jt. Director (Bldg.)
Delhi Development Authority
Vikas Sadan, INA
New Delhi-23

Sub : Water supply scheme for Coop. Group Housing
Schemes of Delhi/New Delhi

Sir,

Kindly refer your letter No. F.23(47)86/Bldg. dated 13.4.89 on above referred subject and earlier letter of even No. dt. 24.1.89. A clarification in this regard was sent to you vide this office letter No. F.6/DFS/MS/89(Misc.)/212 dt. 16.2.89, copy enclosed. It is further clarified that issue of NOC for group housing societies, where height of the bldg. is less than 15m need not have fire hydrants/static water tanks, as such no certification should be needed from this deptt.

This is for your information and necessary action.

Yours faithfully,

sd/-

CHIEF FIRE OFFICER
DELHI FIRE SERVICE

Encl. :- As above.

Sub:-Fire safety guidelines for the low rise shopping cum-office complex with or without basement for storage.

Guidelines regarding fire safety measures and means of escape arrangements for the low rise group housing buildings having basement floor area less than 500 sqm. with or without lift.

F.23(47)/86-Bldg .

Chief Fire Officer, Delhi Fire Service, Delhi has forwarded guidelines for fire safety in respect of above two categories of building projects vide his letters dated 2.2.90 and 15.2.90 (Annexure A&B). It was further clarified by Dy. CFO-II vide his letter dated 29.8.90 that these guidelines are applicable to the low rise G.M. buildings where even basement is not provided, and are also applicable to the schemes which were sanctioned earlier to the issuance of these guidelines (Annexure-C).

A meeting was also held in the chamber of CFO, DFS for clarifying the applicability of these guidelines and according to the minutes received from the office of CFO, before occupancy/completion certificate is issued to low rise group housing scheme the implementation of the fire safety norms shall be ensured by DFS.

Earlier all the cases of the G.M. schemes, low rise or high rise, were required to obtain no-objection certificate/recommendations/directives from the DFS, Delhi. The CFO vide his letter dated 29.8.88, 16.2.89 and 15.5.89 (Annexure D, E & F) had informed that the residential buildings i/c G.M. schemes below 15 mtrs. in height and where the basement area does not exceed 500 sqm. should not be asked for NOC from DFS. Subsequently, a meeting was held in the room of Commissioner (Planning) DDA on 19.12.89 wherein it was agreed by the CFO that he will send us the guidelines which are to be implemented during the execution of buildings in the case of low rise G.M. schemes less than 15 mtrs. in height.

11
- -

According to building bye-laws of 1983, fire safety measures and clearance from CFO is required for the buildings above 15 mtrs. in height. Before these guidelines are implemented , an administrative order is required as these require addition/modification in the bldg. bye-laws -1983 the case is submitted before the Technical Committee for consideration.

Supplementary agenda for the meeting of Technical committee
to be held on 15.10.90 at 9.30 a.m. in the Conference room
of Vikas Minar, Delhi Development Authority, New Delhi.

Item No. Subject

- 6 Approval of route alignment for erection of D/C
Tower line with A³E (GGAT) Conductor between
Wazirabad II and proposed 33 KV Sub Station at
Ashok Vihar. F6(4)90-MP
7. Electrification of sub district centre at Hari
Nagar and community centre at Block, J Rajouri Garden
PAJTD (Plg.)-II/90/20
- 8 Comprehensive circulation study of Shabdara Ring
Road to Trans Yamuna area. F5(36)75-MP-Pt-II
9. Proposed flyovers by DTTDC
PAJTD/90/263.

Laid on the Table

Sub: Approval of route alignment for erection of D/J Tower line with 132KV (SST) Conductor between Wazirpur-II and proposed 33KV substation at Ashok Vihar.

File No. 76(4)901E.

This case was placed in the Technical Committee Meeting held on 31.7.90 under item No.1 (copy placed as Annexure I). The item was deferred for want of details of the route alignment on physical survey plan of the area as informed by D.A. vide letter No. 76(4)901E/582 dt. 23.8.90.

2. Suptg. Engineer (E.C.) DDCU vide letter dt. 17.9.90 (copy placed as Annexure II), has informed that as per the survey conducted by them 1500 Euclyptus trees shall required to be cut to clear the corridor for the erection of the H.T. line. It is also mentioned in the said letter that DDCU shall undertake to plant the required number of trees as per the prescribed norms.

3. The case is put up to the Technical Committee for:

- i) Approval of H/T Towerline route subject to its clearance from the Railways for crossing the D.A.
- ii) Permission to cut 1500 Euclyptus trees and to plant three times number of trees of other varieties in consultation with Landscape Architect, DDA.

Annexure I for Item N .6

Subj- Approval for the points alignment for erection of I/C Tower line with ACSR (GOAT) Conductor between Wazirpur-II and proposed 33 KV Sub-Station at Ashok Vihar.

D.3(A)/90-12.

The Executive Engineer (I.C.) DESU, vide letter No. ZEN (Fig. I)/D.2/123/772 dated 21.2.1990 submitted the proposal for a towerline between Wazirpur Phase-II and proposed 33 KV Sub Station at Ashok Vihar along with a Drawing No. 13-433/.

The case has been examined in the planning Wing of the DDA and it was noted that this entire towerline is passing through the green area between the railway line and Ashok Vihar, along the existing Western Yamuna Canal. This case was also discussed in the meeting held on 11.7.1990 in the chamber of Commissioner (Fig.) with the officers of DESU.

In principle, DDA has no objection for this tower line However, it was decided that the DESU shall submit the physical survey indicating the towers and the minimum number of trees required to be cut for providing this towerlines.

The item is placed before the Technical Committee for the:

1. Approval of towerline in principle from Wazirpur phase II to proposed 33 KV Sub-Station at Ashok Vihar.
2. The DESU shall submit the physical survey indicating the tower and the minimum number of trees required to be cut.
3. The DESU shall also plant 3 times the trees required to be cut for providing this towerline.

Annexure II for Item No.6

Dy. Director (IE),
VII Floor,
Vikas Linar.

-2-

Sub: Approval for the pt. alignment for erection of
D/C T/L with ACSEL Goat Conductor between W.P. XI
& proposed 33 KV S/Str. at A.V.

Dear Sir,

Ref. Your letter No. F6(4)90-11/582 dt. 20.3.90

On the subject cited above, the matter was again discussed in the
meeting with D.B.A. Engineers on 4.9.90.

As desired the area for corridor for erection of the
subject D/Crt. Tower line has been surveyed. It is informed that
it will require about 1500 nos. Eucalyptus trees to be cut for clear
corridor at the time of erection of the proposed tower line.

D.B.S.U. shall undertake to plant reqd. no. of trees
as per prescribed norms.

You are requested to convey the final approval of the
route-alignment.

Thanks,

Yours faithfully,

SE/-

Dt: 17/9/90

(S.P. CHOPRA)
S.E. Fig. I
D.B.S.U.

Item Ni. 7

(Laid on table.)

Sub:-Electrification of sub-district Centre at Hari Nagar and Community Centre at Block, 'J' Rajouri Garden.

PA/JD/(Plg.)II/90/20

Executive Engineer (electrical) Division-II DDA had approached senior Architect (West), for a Sub-Station site measuring 120 mt. X 90 mt. for the electrification of Schemes of sub-district centre Rajouri Garden in July, 1990.

2. Senior Architect (West) has taken a view that normally 33 KV Grid stations are provided to feed the area along with Commercial centres and the provision for the same has not been made in these commercial centres and has further advised to contact Planning Cell for identification of the site.
3. A site measuring 90x120 sq.mts. marked red on the copy of the plan (laid on the table) is reported to be acceptable to DESU.
4. The site is inspected by the undersigned along with commercial (Planning) and found suitable for the purpose.
5. The case is placed before the Technical Committee for its consideration.

Sub: Comprehensive circulation study of Shahdara Ring Road to Trans Yamuna Area. F5(36)75-MP-Pt.II

1. The Shahdara Ring Road in Trans Yamuna Consists of:

	Length in Km.	R/W as per MPD-2001.
a. Marginal Bundh Road from NH-24 to Vikas Marg to GT Road to Wazirabad Road (Road No. 59/63)	12 Km.	61 mts.
b. Wazirabad Road from its junction with Marginal Bundh Road to the junction of proposed road no. 70	10 km	61 mts.
c. Proposed road no. 70 from its junction with Wazirabad road to proposed road no. 62	1.85 km	45 mts.
d. Proposed road no. 62 from road no. 70 to its intersection with GT road/Road no. 56	1.25 km	61 mts.
e. Road no. 56 from its intersection with GT Road/Road no. 62 to NH-24	5.5 km	
f. NH-24 from its intersection with road no. 56 upto proposed Marginal Bundh road/NOIDA road intersection	4.0 km	91 mts.

Status of the said roads is given in Annexure-I

2. At present proposals of widening/improvements of existing roads, junction/intersections as also the grade separators at road intersections and level crossing are being implemented in piecemeal manner. From the status of the alignments of various roads in the Ring it will be seen that even important links like road no. 62, 70 & Marginal Bundh road no. 35A are yet to be constructed. Road & grade separator projects thus being dealt in more or less isolation. Considering the population within the ring, the existing/proposed uses of MPD-2001, there is going to be considerable generation & dispersal of traffic on ring road. It is therefore suggested that a comprehensive study on the lines of the study got done by PWD(DA) for Ring Road may be done from private consultants for Shahdara Ring Road also be identify.
 - i. Priority for development of missing/alternative links.
 - ii. Priority improvements of roads & junction/intersections on the ring in relation to existing/proposed uses.
 - iii. Priority for grade separators i.e. underbridge, over bridges, pedestrians subways etc. at different location.
 - iv. Guidelines for clearance of existing encroachments as per Govt. policy for implementation of road nos. 70, 62 & 35A
3. A study group comprising of Dir. (TYA) JD(T), CRRI & CE(PWD) and offices from other related deptts may be formed to monitor the study of the consultants which may be completed in a period of six months.
4. The case is put up to TC for consideration.

STATUS OF ALIGNMENT OF ROADS FORMING PART OF THE B.M.B. SCHEME

SR. NO. NAME OF THE ROAD	STATUS
1.a) Marginal Bundh Road from NH-24 to Vikas Marg	Detailed Alignment based on latest Drawing to be prepared P.T. Survey not supplied by PWD.
b) Marginal Bundh Road from Vikas Marg to G.R. Road	Approved by T.C. subject to clearance of Flood Department.
c) Marginal Bundh Road from G.T. Road to Wazirabad.	- do -
2. Wazirabad Road from its junction with M.B. Road to the junction of proposed road No.70.	Draft alignment is prepared upto the junction of Road No.69.
3. Proposed Road No.70 from Wazirabad road to proposed road No.62	Alignment was approved by authority vide res. No.51 dt. 4.6.82.
4. Road No.62 from Road No.70 to G.T. Road	Alignment approved by the Authority vide Res.No. 55 dt. 4.6.82.
5. Road No.56 from Road No.62/ GT Road intersection to NH-24	Alignment approved by the Authority vide Res.No.69 dt. 13.6.88
6. NH-24 from the intersection of Road No.56 to Marginal Bundh Road.	Draft alignment on 1:2000 scale prepared. Detailed alignment on 1:500 scale is yet to be prepared.

Sub : PROPOSED FLYOVERS BY DTTDC

1. PROPOSAL

In April, 1989, the Executive Council, approved a proposal for construction of a number of grade separators on important roads in Union Territory of Delhi. The Government has requested the Metropolitan Development Corporation to each traffic congestion on roads in Union Territory of Delhi.

2. DTTDC PROPOSAL

a. FIRST LOT

Accordingly, DTTDC had initiated the following improvement of intersections in the first phase.

- (i) Loni Road-Wazirabad Road.
- (ii) Outer Ring Road & J.B. Tito Marg (Near Chirag Delhi)
- (iii) Outer Ring Road and Aurbindo Marg (IIT Crossing)
- (iv) J.B. Tito Marg-Lala Lajpat Rai Marg (near Andrews Ganj Central School)

The flyover at Sl. No. (i) was recommended for the approval of the Authority by T/C on 25.9.1989. The Chairman, DTTDC, vide D.O. letter dated 20.8.90 (Annexure I) has informed that this flyover is in full swing of construction. This flyover was also approved by DUAC with a recommendation that the flyover at the next intersection i.e. the intersection of Wazirabad road and Road No. 66 shall be taken up simultaneously. The integrated scheme is yet to be submitted by DTTDC to DDA for the consideration of T/C and Authority.

The flyovers given at Sl. (ii) & (iii) are under revision as per Authority's resolution No. 54 dated 13.8.90 and (iv) has been referred to Min. of Transport for obtaining clearance.

The Chairman, DTTDC, has also informed that some preparatory work such as construction of slip roads, diversion of services etc. has already been initiated by DTTDC.

b. SECOND LOT

The DTTDC has already appointed the Consultants for the preparation of schemes for the improvement of following intersections :-

- (i) Ring Road - Africa Avenue
- (ii) Ring Road and Road to Saraswati, Fisher (near Wazirpur Depot)
- (iii) Outer Ring Road and Roshak Road.
- (iv) Patel Road, Shanker Road and Pusa Road.
- (v) G.T. Road and Road to Shakti Nagar.
- (vi) D.K. Gupta - Faiz Road intersection.

The DTTDC has appointed consultants for the above 6 proposed grade separators for traffic surveys/studies and for the preparation of conceptual plans.

c. THIRD LOT

The DTTDC has proposed to take up the following 6 intersections for improvement by providing grade separators.

- (i) Ring Road - Raj Ghat
- (ii) Ring Road - Near Nizamuddin Bridge.
- (iii) Ring Road - Khelgaon Marg
- (iv) Ring Road - Shanti Path
- (v) Ring Road - Maya Puri
- (vi) Ring Road - Madhuban Chowk.

3. AUTHORITY'S DECISION

L.G., Delhi, in its meetings held on 15.6.90, 5.7.90 and 20.7.90 reviewed the progress of fly-overs proposed by FWD, Delhi Admn., F.D, Yamuna Bridge Projects and DTTDC. During discussion, the L.G. desired that a Policy should be worked out on the various parameters of fly-over by taking into consideration the views expressed by DUAC from time to time. This policy should be put up before the Authority for general adoption.

A detailed agenda for 'grade separators in Delhi - Planning & Design Guidelines' was placed before the Authority in its Meeting held on 13.8.90.

The guidelines as approved by the Authority are as under :-

- (i) The priority should be given to traffic on the Ring Road and Outer Ring Road.
- (ii) Grade Separators shall be aesthetically well designed and fit in with the environment.

(iii) The problem of storm water drainage and cost the grade separator should be mainly over ground.

(iv) GRADE SEPARATOR GUIDELINES

- (a) On an. Road (60 mtr. w.) and parts of air. road (60 m r. w/a) shall consist of 3 lanes (3 mtr. each) in each direction and 3 lanes of 3 mtr. each for each direction of surface. However, where the space permits the lane width could be increased to 11 mtr.
 - (b) In case of Outer Ring Road where w/w is 45 mtr. a fly-over of 2 lanes in each direction (7.5 mtr. width) and similar provision on surface should be provided.
 - (c) A service road of about 3 mtrs. should be provided which could be reduced to 4.5 mtr. in case of 45 mtr. w/w.
 - (d) The minimum width of foot path should be 2 mtrs.
 - (e) The clear height of grade separator shall be 5.5 mtr.
 - (f) A strip of 3.5 mtr. shall be reserved on one side for the H.F. Tower line.
 - (g) The longitudinal section of flyover shall be aligned at 1 to 30 slope.
 - (h) The cycle movement depending on the volume shall be integrated with the grade separator either by engineering methods or by traffic management methods.
- (iv) (a) The grade separator scheme shall be extended on all arms upto the next major intersection.
- (v) (a) A proper land scape plan shall be prepared for the scheme.
- (b) The circulation of surrounding areas shall be properly integrated with the grade separator.
- (vi) All the grade separators presently under consideration by MID and DTDC shall be reviewed in the light of above guidelines and shall be processed, for approval.
- (vii) The specific conditions of environment at each crossing shall be given due consideration.
- (viii) All the new proposal for grade separators should be taken up on the basis of the priorities identified as per the study 'Priorities for road development of Delhi 2001 by CRRI'...

4. GENERAL OBSERVATIONS

(a) DDA

All these locations have been broadly examined. The position of road alignments and other related points which needs special attention while planning flyovers

in general is placed at Ann. II. However, the detailed scrutiny shall be made after the receipt of detailed drawings.

(b) RITES

G.M., RITES, vide letter No, RITES/UT/117/90 dated 20.6.90 has informed that the grade separator at Patel Road - Shanker Road. Pasa Road and Patel Road Shivaji Marg intersection have already been deleted as these are not feasible in view of proposed MRTS. Copy of the letter is placed at Ann.III.

5. ISSUES UNDER CONSIDERATION

a. Out of the 12 flyovers proposed by DTDC in the 2nd and 3rd lot, 7 are located on Ring Road, 2 are located on Outer Ring Road and 3 are located on roads other than Ring Road and Outer Ring Road. The flyovers initiated by DTDC in first lot are already at various stages of approval/revision. Out of 9 flyovers located on Ring Road/Outer Ring Road are as per the above guidelines (point (i) approved by the Authority. However, these locations do not confirm point (viii) of these guidelines.

The study (Priorities for Road Development-Delhi 2001) is yet to be completed by CRRI. In view of this, one of the following option may be considered by Tech. Committee.

(i) DTDC may get prepared as the guidelines approved by the Authority for the approval of Competent Authority. However, before taking up the construction work, the priorities could be decided by DTDC on the basis of the studies likely to be completed by CRRI shortly.

OR

(ii) DTDC may be requested to wait till the priorities are identified by CRRI study.

(b) Out of remaining 3 fly-overs, the DTDC has already dropped the proposal of flyover on D.B. Gupta Road and Faiz Road.

The Patel Road and Shanker Road fly-over is located on the East-West MRTS Corri-doors as identified by RITES and the RITES observations are given above in para 4(b) for the consideration of Tech. Committee.



Delhi Tourism & Transportation Development Corporation Limited

18-A, DDA, SCO Complex,
Defence Colony,
New Delhi-110024

(A Government Undertaking)

D.O.No.DTDC(Engg)I(01)/25/
Dated: 20.8.90

S. REGUNATHAN
CHAIRMAN.

दिल्ली विभाग प्रशासन
प्राप्ति संख्या: 15748
19 AUG 1990
सचिवालय अतिथिगता सचय

You may perhaps be aware that in April, 1989 the Executive Council approved a proposal for the construction of a number of grade separators on important road intersections by the Delhi Tourism & Transportation Development Corporation to ease Traffic congestion on roads in Delhi. Accordingly, D.T.D.C. has taken up works for the construction of grade separators at the following junctions in the 1st lot:-

- i) Loni-Wazirabad Roads
- ii) Outer Ring Road-J.B.Tito Marg (near Chirag Delhi)
- iii) Outer Ring Road-Aurobindo Marg (I.I.T. Crossing)
- iv) J.B.Tito Marg-Lala Lajpat Rai Marg (near Andrews Ganj Central School).

Construction of flyover at (i) above is in full swing, whereas proposals for (ii), (iii) & (iv) are under approval of Technical Committee/DUAC. However, at these intersections also, preparatory work such as construction of slip roads, diversion of services etc. has been taken in hand.

2. In the 2nd lot, we have initiated action for the improvement of following intersections:-

- i) Ring Road-Africa Avenue
- ii) Ring Road to Saraswati Vihar (near Wazirpur Depot)
- iii) Outer Ring Road-Rohtak Road
- iv) Patel Road-Shankar Road-Pusa Road
- v) G.T.Road-Shakti Nagar
- vi) D.B.Gupta-Faiz Road (Grade separator may not be provided at this intersection).

For these six proposals, we have appointed Consultants for traffic survey/studies and for preparation of conceptual plans. Preliminary discussions on various alternatives for

1176/50/T
2/19/90

Contd (Pg)

1/2/90

Pl. link with
person papers
& results

H.S. Neelam

improvement of intersections prepared by the Consultants have taken place with the senior officials of MCD, DDA, PWD etc. and these proposals will shortly be submitted for approval of Technical Committee/DUAC. Construction work of grade separators at these intersections will be taken up by DTDC after the conceptual plans are approved.

3. Chief Secretary took a meeting with the senior officers of MCD, DDA, PWD and NDMC on 31.7.90 to identify some more intersections where grade separators are to be constructed by the DTDC in the 3rd lot. These are -

- i) Ring Road - Raj Ghat
- ii) Ring Road - near Nizamuddin Bridge
- iii) Ring Road - Khelgaon Marg
- iv) Ring Road - Shanti Path
- v) Ring Road - Mayapuri
- vi) Outer Ring Road - Madhuban Chowk.

We are taking actions to appoint Consultants for these intersections.

4. I am bringing this to your notice as some of the intersections are on MCD roads. We shall send conceptual plans for these intersections to your Engineering Deptt in due course. Meanwhile, may I request you to please inform the concerned officers of M.C.D. in this regard so that necessary help is made available by them to provide details such as right of way, location of services etc. in respect of the roads under them.

Sd/-

(S. REGUNATHAN)

Shri R.D.Kapoor,
Commissioner,
Municipal Corporation of Delhi,
Town Hall, Chandni Chowk,
Delhi.

Copy to:-

1. Shri V.K.Kapoor, Chief Secretary, Delhi Admn., Delhi.
2. Shri Cecil Naronha, Vice-Chairman, DDA, New Delhi.
3. Shri V.S.Murti, Engineer-Member, DDA, New Delhi.
4. Shri J.C.Gambhir, Commissioner (PLG), DDA, New Delhi.
5. Shri B.Saxena, Secretary, PWD, Delhi Admn., Delhi.
6. Shri O.P.Goel, Chief Engineer, PWD (DAZ)-I, New Delhi.
7. Shri G.R.Ambwani, Engineer-in-Chief, MCD, Delhi.
8. Shri B.B.Nanda, Chief Engineer, MCD, Delhi.

(S. Regunathan)
Chairman

B. I. SINGAL

MIE, M.K.E. MICE (LON.), C. ENG. (UK)
GENERAL MANAGER (URBAN TRANSPORT)

RITES
(A GOVERNMENT OF INDIA ENTERPRISE)

No. RITES/UT/117/90
Date. 20.06.1990.

उपरोक्त पत्रिका में
संख्या १०३/१९९०
दिनांक २०.६.९०

To
Shri Surendra Srivastava,
Dy. Director (MP),
Deini Development Authority,
NEW DELHI.

Sub: Preparation and implementation of road alignment plans and intersection improvement, grade separations in the East West corridor (MRTS) route from Talax Bridge to Najafgarh Road.

Ref: Your letter NO.PS(43)74-MP/Pt-1, 250 dated/17/21.05.1990.

Sir,

It is noted that certain proposals for improvements to roads/road intersections are not being finalised till the decision on proposed Mass Rapid Transport System (MRTS) is taken. The issues raised in the note accompanying the letter referred to above are:-

- i) Roads need widening to accommodate MRTS.
- ii) Carriageway needs re-structuring.
- iii) Additional service roads may be required.
- iv) Openings (Entry/Exits) to MRT stations affect roads.
- v) Ventilating shafts/ ducts may affect road improvements.
- vi) Positioning of columns for elevated MRT.
- vii) Need for redesigning road alignment to accommodate MRT.
- viii) Need for modifications to intersection improvement plans including grade separation.

HTV
25/6/90

It has been suggested in the note that no major changes may be done in road alignment, widening of carriage way, improvements to road intesections. It has also been suggested that major works like grade separators etc., may be kept in abeyance till decision on MRTS is taken.

It is correct that the proposed MRT would affect various aspects of road improvemnts in varying degrees depending upon whether the MRTS is elevated, at-grade or underground.

Proposed East-west Corridor for Mass Rapid Transport System (MRTS) for Delhi from Tilak Bridge to Patel Nagar (12.kms) is fully underground with a minimum cushion of 2m above the tunnel box. Key plan showing East-West and North-South Corridors is enclosed. The alignment follows the existing roads, mostly the median except in some stretches where open land along the side of the road is available as in the case of the link road.

The effect of various aspects of road improvements on the undergorund MRTS is shown in Annexure-I. Widening of roads, restructuring of carriageway, provision of additional service roads and modifications to road intersection plans may not be necessary since the proposed MRTS is underground. The location of Entry/exists to stations would, however, need modifications. The proposals of grade separators would have maximum effect on the proposed underground MRTS.

Besides, during the construction, except where bored tunnelling is feasible, traffic diversions would be essential. Thus, a very close coordination is necessary not only at planning stage but during the construction also. It would, therefore, be advantageous to plan the road improvements and execute the same during the construction of MRTs, as the traffic would need diversion during the construction in some cases.

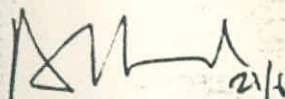
Item wise comments on the status of road alignments and intesections as mentioned in appendix B1, B2 and C1-C3 to the note accompanying your letter are shown in Annexure II and III. Detailed comments can be offered after examining the plans for the proposed alignment plans and improvements to road intersections.

It is observed from appendix C1-C3 that out of four proposals for grade separation at intersections along East-West corridor, two (Patel Road - Shankar Road - Pusa Road Intersection and Patel Road - Shivaji Marg Intersection) have already been deleted as these are not feasible in view of proposed MRTS. One proposal at intersection of Patel Road and Guru Ramsingh Road is feasible as the alignment is 40 m away from centre line of the road. Remaining one case, (Pusa Road-Ridge Road-Link Road intersection) the proposal will need to be examined with respect to the alignment of the MRTS though the MRT is 70 m away from the centre of the intersection.

Copies of the plans showing MRTS alignment of East-West Corridor at road intersections and station locations with entry exits are enclosed for your reference.

We will be glad to make a presentation on a suitable date on a weeks notice at RITES office or any other location to explain the proposed MRTS alignment. Please contact the undersigned or Shri N.S.Hirani on telephone No.3315692 to make the appointment.

It is presumed the presentation to be made is only for East-West Corridor and not for North-South corridor. This may kindly be confirmed.


(B.I.SINGAL)
GENERAL MANAGER(UT)

Encl: as above.

Lot - 2

Sl. No. Name of the Intersection	ABIS upto which the detailed alignment & cross section is to be shown.	R/W as per Master Plan	I/W as per Alignment Plan	Status of Alignment	Approval Details	Circulation of Community Centre, Distt. Centres & other important Projects as per MPD-2001 to be integrated.
1. Leal - Wazirabad Road.	Leal Road NORTH Upto Main Approach Head of Panchwati Colony. SOUTH Upto Main Approach Road to DDA Flats.	45.72 M.	45.72 M.	Approved by Authority	Res.No. 136 dt. 27.10.87	Wholesale Commercial & Facility Centre F-8 on the southern side of Wazirabad Road.
Wazirabad Road.	EAST Up to the starting point of Fly Over on Bahadra Saharanpur Hwy Line. WEST Upto Road No. 66	61.00 M.	61.00 M.	Draft Plan under process.	-	Truck Terminal on the northern side of Wazirabad Road.
2. Outer Ring Road - Tito Marg.	Tito Marg NORTH Upto Sirti Port Marg SOUTH Upto Road No. 15 EAST Upto Sawitri Cinema Road. WEST Upto Road Infront of IIR Petrol Pump	45.72 M.	45.72 M.	Prepared by TCEP-DRG.No.C/A-356	Plan not available	-
Prepared by TCEP-DRG.No.C/A-232	Res.No. 192 dt. 2.9.72 Approved by V.O. on 12.4.74 F.5(7)72 MP	45.72 M.	45.72 M.	Approved by Authority	Res.No. 70 dt. 13.6.88	-
3. Outer Ring Road - Anrubade Marg.	Anrubade Marg NORTH Hauz Khas Market Road SOUTH Upto Road No. 11 (Kataria Sarai Road) EAST Panch Saeel Marg WEST Band between Distt. Park & SDA Shopping Centre.	61.00 M.	60.00 M.	Approved by Authority	Res.No. 70 dt. 13.6.88	DTC Terminal & IIT Campus on the southern side of outer Ring Road.
Plan not prepared/available.	-	45.72 M.	45.72	Approved by Authority	Res.No. 70 dt. 13.6.88	DTC Terminal & IIT Campus on the southern side of outer Ring Road.
4. J.B. Tito Marg - Lal Lajpat Rai Marg	Tito Marg NORTH Upto Ring Road SOUTH Upto Sirti Port Road Lal Lajpat EAST Upto Nandivithi Marg Rai Marg. WEST -	45.72 M.	45.72 M.	Prepared by TCIO DRG.No. C/A-230	Plan not available.	Entry/Exit to Andrews Ganj Central School, Sadiq NER, DDA and Socio-Central Institutional Complex on the Western/Eastern sides of Tito Marg.
Approved by Co-ordination Committee on dt. 30.6.81	-	30.00 M	30.00 M.	Approved by Co-ordination Committee on dt. 30.6.81	Plan not available.	Entry/Exit to Andrews Ganj Central School, Sadiq NER, DDA and Socio-Central Institutional Complex on the Western/Eastern sides of Tito Marg.

ADRS upto which the detailed alignment & cross section is to be shown.

W/V as per Master Plan

W/V as per Alignment Plan

Status of Alignment

Approval details

Circulation of Co-Operative Centre, Distt. Centre & other Important Projects as per MID-2001 to be implemented.

Sl. No.	Name of the Intersection	ADRS upto which the detailed alignment & cross section is to be shown.	W/V as per Master Plan	W/V as per Alignment Plan	Status of Alignment	Approval details	Circulation of Co-Operative Centre, Distt. Centre & other Important Projects as per MID-2001 to be implemented.
1.	Ring Road - Rajghat Road	Ring Road SOUTH EAST WEST	91.00 M. 91.00 M. 30.48 M. 30.48 M.	91.00 M. 91.00 M. 30.48 M. 30.48 M.	Plan prepared by TCID -do- Plan prepared by TCID -do- Plan prepared by TCID -do- Plan prepared by TCID -do-	Details not available -do- -do- -do- -do-	Entry/Exit to Rajghat Shakti Stn. from Short Term Tourist Parking.
2.	Ring Road - Nizamuddin Bridge (J-24)	Ring Road NORTH SOUTH EAST WEST	63.00 M. 63.00 M. 91.00 M. -	- - - -	Plan not prepared/available -do- -do- -do-	- -do- - -	Approach to ISIT Nizamuddin.
3.	Ring Road - Knelgaon Harg	Knelgaon Harg. NORTH SOUTH EAST WEST	30.48 M. 30.48 M. 63.00 M. 63.00 M.	30.48 M. 30.48 M. - -	Plan prepared in UDA -do- Plan not prepared/available -do-	- - - -	Sofo-Cultural Compl.
4.	Ring Road - Shanti Path	Ring Road Shanti Path. NORTH SOUTH EAST WEST	63.00 M. 63.00 M. 45.00 M. 45.00 M.	63.00 M. 63.00 M. - -	Plan prepared by TCID -do- Plan not prepared/available. -do-	Details not available -do- - -	- - - -
5.	Ring Road - Haya Hurl Road.	Ring Road Haya Hurl Road. NORTH SOUTH EAST WEST	63.00 M. 63.00 M. 30.48 M. 45.72 M.	63.00 M. 63.00 M. 30.48 M. 45.72 M.	Plan prepared by TCID -do- Draft Plan prepared Plan prepared in UDA Plan prepared by TCID -do-	Details not available. -do- Approved by V.C. on 12.7.80 -do-	- - Entry/Exit from Warehousing Area -do-
6.	Outer Ring Rd. - Madhuban Clock.	Outer Ring Road NORTH SOUTH EAST WEST	63.00 M. 63.00 M. 45.72 M. 45.72 M.	63.00 M. 63.00 M. - -	Plan prepared by TCID -do- Part of Detailed Layout of Bohind -do-	Details not available -do- - -	P-54 Facility Centre at the crossing. -do-

MINUTES OF THE TECHNICAL COMMITTEE MEETING HELD ON 15.10.90 AT 9.30 A.M. IN THE CONFERENCE ROOM OF VIKAS MINAR, I.P. ESTATE, NEW DELHI UNDER THE CHAIRMANSHIP OF VICE-CHAIRMAN, DDA

Item No.1

Sub : Allotment of land for Middle School
F.18(22)89-Inst1.

The issue was discussed in detail and Technical Committee decided that minimum ^{0.4 ha} ~~one acre~~ land be allotted for a primary school. ^{Accordingly,} Further, the primary school sites shown in approved layout plans need not be changed. Such sites which are more than ^{0.6 ha} ~~one acre~~ in area ^{may} be considered for allotment to middle school on the recommendations by Delhi Administration, Education Department. For ~~secondary~~ and ~~higher secondary~~ schools, ^{2.6 hectares} ~~two acres~~ site be allotted whereas for a composite school, as recommended in MPD-2001, ^(3.5 to 3.9 ha) ~~three acres~~ land be considered for allotment. ~~Under~~ The schemes be formulated as per norms given in MPD-2001.

As development ^{Middle} Controls for ~~various~~ school sites ^{have not been} ~~are not~~ indicated in MPD-2001, therefore, it was opined that Development Controls applicable for secondary and higher secondary schools, ^{vide MPD 2001} ~~indicated~~ in the MPD-2001 ^{may be} followed for the construction of building on middle school sites also. Parking norms at the rate of one equivalent car space per hundred sq.mtr. for floor area ^{should} be adopted for such schools.

1 Jan 10/91
Deffered