

DELHI DEVELOPMENT AUTHORITY

Agenda for the meeting of the Advisory Council of the Delhi Development Authority to be held on Friday, the 22nd May, 1981 at 5.00 P.M. at Raj Niwas, Delhi.

I N D E X

Sl. Item No. No.	S u b j e c t	Page No.
1. 2	3	4
1. 4	Confirmation of the Minutes.	1
2. 5	Time Schedule for the Preparation of the Master Plan.	2
3. 6	Key issues for the Perspective Plan for Delhi, 5 1981-2001 - a) Population (b) basic services.	5
4. 7	Another item with the permission of Chair	

DELHI DEVELOPMENT AUTHORITY

Agenda for the meeting of the Advisory Council of the Delhi Development Authority to be held on Friday, the 22nd May, 1981 at 5.00 P.M. at Raj Niwas, Delhi.

Present:

No. Subject:- Confirmation of the Minutes.
4

The Minutes of the meeting of the Advisory Council of the Delhi Development Authority held on 25th March, 1981 are placed before the Council for confirmations.

RESOLUTION

No. Subject:- Time Schedule for the Preparation of the
5 Master Plan.

P R E C I S

In the last meeting of the Advisory Council the Tentative time schedule and out put programme intimated to the Ministry of Works & Housing in January, 1979 according to which the draft plan was to be completed in March, 1981 was discussed.

2. The Advisory Council observed that it would not be possible to complete plan preparation in 1981. Considering the magnitude and complexity of the problem, the Members approved that we should attempt to complete the plans by mid-1982.

3. In view of the above, the time schedule and the out put programme has been modified and revised. The Plan preparation upto the draft plan stage has been envisaged to be completed in the following four phases:-

- | | |
|-----------|---|
| Phase I | : Preliminary and threshold studies. |
| Phase II | : Studies and alternative patterns of development, forecasts, standards and land needs field surveys. |
| Phase III | : Perspective Plan alternative strategies and selection. |
| Phase IV | : Perspective Plan Final Draft. |

Phase I is already complete.

Phase II now has been divided into two parts and both are in progress:

- | | |
|---|--|
| a) Field Surveys and Primary data collection |) Major surveys to be completed by August, 81. |
| B) Studies for alternative patterns of development, forecasts, standards and land needs |) Major studies to be completed by November, 1981. |

Contd.....

The up-dated version of the background note prepared in March, 1981, (refer Annexure-I and Annexure-II) has been prepared which gives the latest position. It indicates the studies now completed and new surveys and studies started which are in progress.

SURVEYS AND STUDIES COMPLETED.

Detail	Unit undertaking
<u>SURVEYS:</u>	
7. Parking survey	Traffic & Transportation
10. Industries survey	Work centre.
11. Holding capacity survey of district centre (case - Nehru Place).	"
12. Informal sector survey	"
0. Hazardous Industries and Trade survey	"
a) Timber trade + saw mills	"
b) Plastic cloth, p.v.c. & rexine trade	"
0. Survey of waste materials in Delhi	"
0. Railway station facilities Survey	Traffic & Transportation.
0. D.T.C. Depot Survey.	"
<u>STUDIES:</u>	
13. a. Resettlement colonies	Shelter & Infrastructure.
b. Unauthorised colonies	Shelter unit.
c. Informal Sector	Work centre.

Contd...

SURVEYS AND STUDIES IN PROGRESS.

Sl. No.	Detail	Unit undertaking
<u>SURVEYS:</u>		
5.	Traffic Volume Survey	Traffic & Transportation.
0.	Public Transport facilities survey	"
0.	Cyclists interview survey	"
0.	Survey of household industries.	Work Centre
0.	Survey of Building Materials	"

STUDIES:

15.	Housing Finance	Shelter
36.	Land suitability study	Ecology & Lung spaces.
40.	Landscape flora and fauna	"
0.	Mixed land use study	Physical aspects.

RESOLUTION

Item No.: 4.

5.

Key issues for the Perspective Plan for Delhi, 1981-2001 - a) Population (b) basic services.

As a part of the preparation of the Perspective Plan for Delhi 1981-2001, the DDA has conducted a number of surveys and studies. The Plan preparation is at a stage where basic policy and key issues identified as under need to be discussed:-

1. Population
2. Basic services i.e. water supply, sewerage, electricity solid waste disposal.
3. Land need and land use intensity.
4. Traffic and transportation.
5. Housing
6. Employment and work centres.
7. Mixed land use.
8. Ecology and lung spaces.
9. Legal and institutional frame work.
10. Financing and plan implementation.

In the first instance, it is proposed to discuss the issues at No. 1 & 2 i.e. population and basic services.

a) Delhi's population 1981-2001: (Annexure III)

A paper on Delhi's population growth and projections for 2001 has been prepared in the Perspective Planning wing which was discussed in the Monitoring Group but has not since been discussed in the Advisory Council. In this paper, population projections worked out by Registrar General Census of India, Town and Country Planning Organisation and work studies for the Delhi Master Plan prepared in 1961 were studied and on assumed growth rates, projections were worked out by the perspective Planning wing.

Now the provisional figures for 1981 census for Delhi are available, a comparative picture of the population projections worked out by the Perspective Planning wing, Registrar General Census of India and the work studies for the Delhi Master Plan is given in the table below.

Contd.... /

PROJECTED POPULATION OF DELHI FOR 1981 (IN MILLIONS)

Sr.No.	Source	DELHI		Total
		Urban	Rural	
1.	Master Plan Work studies Vol.I(1961)	4.98	0.52	5.50
2.	Registrar Gen- eral's Expert Committee on Population Projections.	5.90	0.28	6.18
3.	Perspective Planning wing	5.66	0.47	6.13
4.	Provisional fig. of 1981 census.	5.22*	0.97*	6.19
		5.77**	0.47**	6.19

(* Likely to be)
 ** Revised to)

It would be seen that in case of total population the population projections worked out by the perspective Planning wing DDA, for the urban area are geniticlose to the provisional figures given by the Registrar General Census of India. In case of urban area, the provisional figure given by the Registrar General Census of India is 5.22. This was examined in the Perspective Planning Wing. . As the urban boundry taken by the Registrar General Census of India was not giving the true picture of the urban population, this was further discussed with the Registrar General and he intimated that they were modifying these figures by changing the urban boundary and the figures are likely to be very close to the figures given by us. The modified provisional figures are lekely to be published in about two weeks time.

Contd.....//

The provisional figures for urban Delhi and rural Delhi are now available and the provisional figures for the towns in the N.C.R. are also to be available in another two weeks time as per discussion with the Registrar General Census of India. A policy paper on population which is being prepared in the Perspective Planning Wing, is to be completed with the information expected from Census of India. Basically, the position for the population policy which was stated in the monographs on Population remains the same. The extract from the paper is reproduced:

"Given this background and considering the various factors governing the urban growth rate in Delhi, it would be realistic to expect a population growth of 126 lakhs by the year 2001. This of course is based on the assumptions of unrestrained natural growth and migration i.e. existing trends. It may be pointed out that this estimate of 128 lakhs for the union territory, as a whole and 122 lakhs for Delhi urban is comparable to the projections made by various organisations. Therefore, it is suggested that we may adopt these estimates for formulating the second development Plan. While planning for a higher growth rate of this size efforts also will have to be made to defuse and disperse the growth to the adjoining cities and towns. In other words, while planning for a higher population size it would be our endeavour to see that population of urban Delhi is limited to the minimum size possible by adopting measures of disposal simultaneously."

Contd.... /

- b) Basic Services i.e. Water supply, Sewerage, Electricity and solid waste disposal.

(i) Water Supply

I. EXISTING POSITION:

1. The responsibility:- The supply and maintenance of potable water is the responsibility of the Delhi Water Supply and Sewage Disposal Undertaking of DCD. It supplies water to NDMC and Cantonment area in addition to the area under its jurisdiction.

2. The Growth:- The growth of water supply facility in Delhi, since 1956 has been as below:-

	<u>IN MGD</u>					
<u>Water Works</u>	<u>1956</u>	<u>1961</u>	<u>1966</u>	<u>1971</u>	<u>1976</u>	<u>1981</u>
1. Chandrawal	60	90	90	90	90	90
2. Wazirabad	-	-	40	80	80	80
3. Okhla	6	6	6	6	6	6
4. Ranney Wells	-	-	-	5	20	20
5. Local Tubewells-		1	7	10	7	7
6. Haider Pur	-	-	-	-	50	100
Total	66	97	143	191	253	303

In addition to the 303 MGD of treated water, 32 MGD of untreated water is being supplied for gardening. The water supply thus works out to be about 54 g/c/d for domestic, commercial, industrial, communities facility & gardening. However, losses due to leakages & unauthorised tapping which is estimated to be about 20% to 25%, have not been taken into account.

3. Present Shortfalls:- According to the report of the committee on Delhi Water supply and Sewage 1975, 70 g/c/d of water supply was suggested adequate for domestic, commercial industrial and gardening purposes.

Taking this as a norm, the present shortage of water supply in Delhi for a population of 62 Lakhs, works out to be 16 g/c/d i.e. 99.2 MGD say 100 MGD.

II. Reasons of shortfall: The reasons of shortages in

contd/-

water supply in Delhi can mainly be attributed to the non-availability of raw water on one hand, and inadequacies of financial resources on the other.

III. Requirement in 2001: As per the estimates worked out in the Perspective Planning Wing, the population of Delhi in 2001 would be 128 Lakhs. Thus for the population of 128 lakhs the water requirement would be 896 MGD.

In addition to this augmentation of existing total water supply by regular municipal supply would be 7 MGD. The total water supply needed in 2001 A.D. would be = 903 MGD.

Year	Population	Additional Requirement	Total Supply in M.G.D.
1981	62 Lakhs	100 MGD	435
1986	74.63 Lakhs	95.48 MGD	530.48
1991	90.81 Lakhs	113.05 MGD	643.53
1996	107.85 Lakhs	119.28 MGD	762.81
2001	128.09 Lakhs	140.98 MGD	903.79

* Additional Requirement of Water is worked out @ 70 G/C/D.

V. Financial Requirement :-

Tentative financial requirements for the proposed augmentation in water supply in Delhi, during 1981-2001 have been worked out as below:-

Year	For Treatment plant in Lakhs of Rs. *	For distribution mains & reservoirs in Lakhs of Rs. **	For Secondary distribution mains in Lakhs of Rs. +	Improvement of existing water works in Lakhs. ++	Total in Lakhs of Rs.
1981	1250.00	1000.00	500.00	150.00	2900.00
1986	1193.50	954.80	477.40	143.22	2768.92
1991	1413.10	1130.50	565.25	169.58	3278.43
1996	1419.00	1192.80	596.40	178.92	3459.12
2001	1762.30	1409.80	704.90	211.47	4088.47
Total:-					16494.94

- * @ 1.25/- Gallon.
 ** @ Rs.1.00/-Gallon.
 + @ Rs.0.50/-Gallon.
 ++ @ Rs.0.15/-Gallon.

b)(ii) Sewerage, Electricity and Solid waste disposal:

Refer the Monographs enclosed.

RESOLUTION

DELHI DEVELOPMENT AUTHORITY

Minutes of the meeting of the Advisory Council of
the Delhi Development Authority held on 22nd May, 1981
at 5.00 P.M. at Raj Niwas, Delhi.

Present:

President

1. Sh. S. L. Khurana,
Lt. Governor, Delhi/Chairman, DDA.

Vice-Chairman

2. Sh.V.S.Ailawadi.

Non-official members:

3. Shri Harvender Singh, Hanspal,
Member Parliament,
Rajya Sabha.
4. Sh. Daljit Singh.

Official members:

5. Sh.H.R.Laroya,
Chief Architect, C.P.W.D.
6. Sh.R.K.Chaturvedi,
Director General,
Defence Land & Cantonment.
7. Sh.A.N. Singh,
Member (Hydro-Elect.),
Central Electricity Authority.
8. Sh.J.S. Marya, { He was represented by Sh.B.S.
Director General (R&D), { Mathur, Chief Engineer (Roads),
Ministry of Transport. { Ministry of Transport.
9. Sh.P.S.Endlaw, { He was represented by Sh.N.K.
Addl.General Manager,(Tels.) { Agrawal, Dy.Genl.Manager(CM),
Eastern Court, N.Delhi. { Delhi Telephones.

Secretary

10. Sh. Nathu Ram.

Special Invitee:

11. Sh. S. D. Srivastava,
Chief Secretary, Delhi. Enn.

10 05.10.20

Also report

12. Sh.Kawaljit Singh,
Finance & Accounts Member, DDA.
13. Sh.R.S.Gupta,
Engineer Member, DDA.

Contd....

14. Sh. Satish Chandra,
Commissioner (Housing), DDA.
15. Sh. Ved Parkash,
Chief Architect, DDA.
16. Sh. V. V. Bodes,
Director (P.P.W.), DDA.
17. Shri R. G. Gupta,
Director (T.T.), DDA.
18. Sh. J. C. Gambhir,
Director (CP), DDA.
19. Sh. S. C. Gupta,
Addl. Director (DC), DDA.
20. Sh. C. P. Rastogi,
Dy. Director (PP), DDA.
21. Sh. V. P. Gupta,
Dy. Secretary-I, DDA.

No. Subject:- Confirmation of the minutes of the last
4 meeting held on 25.3.1981.

Resolved that the minutes of last meeting of the Advisory Council of the Delhi Development Authority held on 25th March, 1981 be confirmed.

No. Subject:- Time schedule for the preparation of the
5 Master Plan.

Vice-Chairman, DDA, pointed out that the exercise of the preparation of the Master Plan for Delhi (1981-2001) is to be completed in four phases, out of which Phase I has since been completed. In phase-II, major surveys for the preparation of the Master Plan will be completed by August, 1981 and major studies by November, 1981. Addl. Dir. (C.P.) stated that details of surveys which are completed and which are under progress, is given in Annexure-II from pages 1 to 8. It was decided that efforts be made to complete the work within scheduled time now suggested.

The Council approved the above time schedule and the provision of adequate staff for the purpose in principle.

Contd.....

The salient features of the Informal Sector for which an extensive study was made by the Work Centres Unit of the Perspective Planning Wing of the DDA were also explained to the Council. It was observed that there are about 60% workers in the Informal Sector and unenumerated Sector. Actually there are 1.4 lac workers in the Informal Trade as against 20,000 estimated in the First Master Plan. This was an useful finding of the Informal Sector in Delhi and is required adequately to be incorporated in the plan under preparation.

No. 6 Subject:- Key issues for the Perspective Plan for Delhi 1981-2001.

The key issues which were mentioned in the agenda were discussed and it was felt that some of the issues were inter-related and therefore it will not be proper to take an isolated view. Members expressed the view that it will be necessary to know what will be the holding capacity of the city and its services and only then, the population projections may be incorporated. For the purpose of making of feasibility studies, the estimated urban population may serve as the basis for the planning policy. It was therefore decided that need for taking up studies as well as detailed planning may be looked into further by the Planning Department.

Arising out of this, members desired that the National Capital Region zone may also have to be spelt out in the preparation of the Second Master Plan. It was decided that this may be taken up with the TCPO.

It was also decided that monetary and financial implications of the additional population supporting facilities required may also be quantified as far as possible.

Members desired to have separate studies with regard to Holding Capacity of population based on availability of land services, facilities etc. and the feasibility of augmenting the services wherever possible.

The Chief Secretary, Delhi Administration, a special invitee in the Council's meeting, desired that micro level studies, which are being conducted by the DDA, may also be extended to other aspects like residential pattern, work centres etc. He also pointed out the need of rational sequence in the studies.

The Chief Secretary emphasised the need of Area Level Studies in various fields especially for the working class in the range of Rs. 300-600/- p.m. which will form a major part of the population in the next 20 years.

The population projections as shown in the agenda-note were explained to the Council. These projections are very near to the tentative figures supplied by the Registrar General Census of India. The estimated urban population of Delhi would be about 122 lacs during the next 20 years, which of course is double than what it is at present.

In this connection, the members highlighted the role of National Capital Region. It was desired that the N.C.R. concept may be finalised at the earliest through Town and Country Planning Organisation. It was also discussed that the financial implications involved in all the proposals should be taken up simultaneously.

Chief Secretary stated that the Master Plan for Madras City has been prepared recently and suggested that the Structure plan concept evolved therein may be studied by the DDA. Vice-Chairman, DDA stated that the matter has already been taken up at this level.

5.

NO. Subject:- Any other item with the permission of
7 Chair.

It was decided by the Council unanimously that the next meeting of the Advisory Council should be held on 15th July, 1981 at 4.30 P.M. at Raj Niwas and Secretary of the Advisory Council should ensure that the Agenda papers are sent to all the members by 7th July, 1981 positively.

Meeting ended with thanks to the chair.

Secretary,
Advisory Council,
Delhi Development Authority.

President,
Advisory Council,
Delhi Development Authority